(198)

WVDEP OOG Internal Use Only
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AOR - Well Review Checklist

API Number: 47- 043 - 30619 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 6
Farm Name: Cecil Kinsey
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2541
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,851 Northing: 4,231,564
Elevation: 335
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-00619

RECORD of Well No. 6 on W. B. Humphrey Farm Acres

Field, District Clay County

Rig Commenced 19 Completed 19

Drilling Commenced Dec 11 1911 Completed Jan 31 1912

Cost per foot, 11½ Contractor, Hawkey & Inman Oil Co. Address, Hawkey, W. Va.

Drillers' Names Harry Earle & W. E. Kellerman

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6¼ Inch	6¼ Inch	5¼ Inch	5 3-16-Inch	4⅜ Inch
16						1910				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6¼ Inch	6¼ Inch	5¼ Inch	5 3-16 Inch	4⅜ Inch
						1910				

OIL WELL — GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
3/2/12	80qts.									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Sand &		40	40	E.T. = 1101.
Slate	40	205	165	
Coal	204	207	3	640' of 10" hole
Red Rock	207	255	48	
Sand	255	500	245	
Coal	500	506	6	
Sand	506	560	54	
Slate	560	575	15	
Sand	575	660	85	
Coal	660	667	7	Gas & 1 bbl Water.
Sand	667	815	148	
Slate	815	890	75	
Sand	890	990	100	
Slate	990	1080	90	
Sand	1080	1120	40	
Slate	1120	1140	20	
Salt Sand	1140	1825	685	Hole full of water 1765'
Slate	1825	1828	3	
Maxton Sand	1828	1835	7	
Slate	1835	1840	5	
Little Lime	1840	1889	49	
Pencil	1889	1890	1	
Big Lime	1890	2075	185	Gas 1970'
Keener	2075	2165	90	
Slate	2165	2200	35	
Squaw	2200	2280	80	
Slate	2280			
Berea	2571	2591	20	

30619

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

United Fuel Gas Company
NAME OF WELL OPERATOR
Charleston, W. Va.
COMPLETE ADDRESS
July 12 19 49.
WELL AND LOCATION
Duval District
Lincoln County
Well No. 6
W. C. Kingery Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Kenzie Browning and E. J. Elkins, Jr.
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by ____, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 15 day of June, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Berea	Set Bridge 20' above Berea at 2551'. Filled hole 100' with non-porous material. Set 10' cement plug on same, sealing off Berea Sand. 5' crushed stone on cement plug.					
Lime Injun	Set Bridge 30' below Big Injun Sand at 2195'. Filled hole through Big Injun and Big Lime with non-porous material at 20' above Big Lime. Set 10' Cement Plug on same at 1940' to 1930', sealing off Big Injur and Big Lime. 5' Crushed stone on Cement Plug.					
Salt Sand	Filled hole from 1930' with non-porous material to 20' above top of Salt Sand. Set 10' Cement Plug on same at 1120' to 1110', sealing off Salt Sand. 5' crushed stone on cement Plug.					
	Opened hole to 200'; set Bridge and 10' Cement Plug on same at 200' to 190'.					
	Filled hole with non-porous material to surface. Set Cement Marker 12" x 12" x 30", marking date of abandonment.					

COAL SEAMS			
(NAME)			
(NAME)			
(NAME)			
(NAME)			

DESCRIPTION OF MONUMENT
U. F. GAS CO.
W. C. KINGERY # 6
DATE OF ABANDONMENT

and that the work of plugging and filling said well was completed on the 20 day of June, 19 49.

And further deponents saith not.

E. J. Elkins Jr.
Kenzie Browning

Sworn to and subscribed before me this 20th day of June, 1949.

T. S. Hughes
Notary Public.

My commission expires:
April 1, 1951

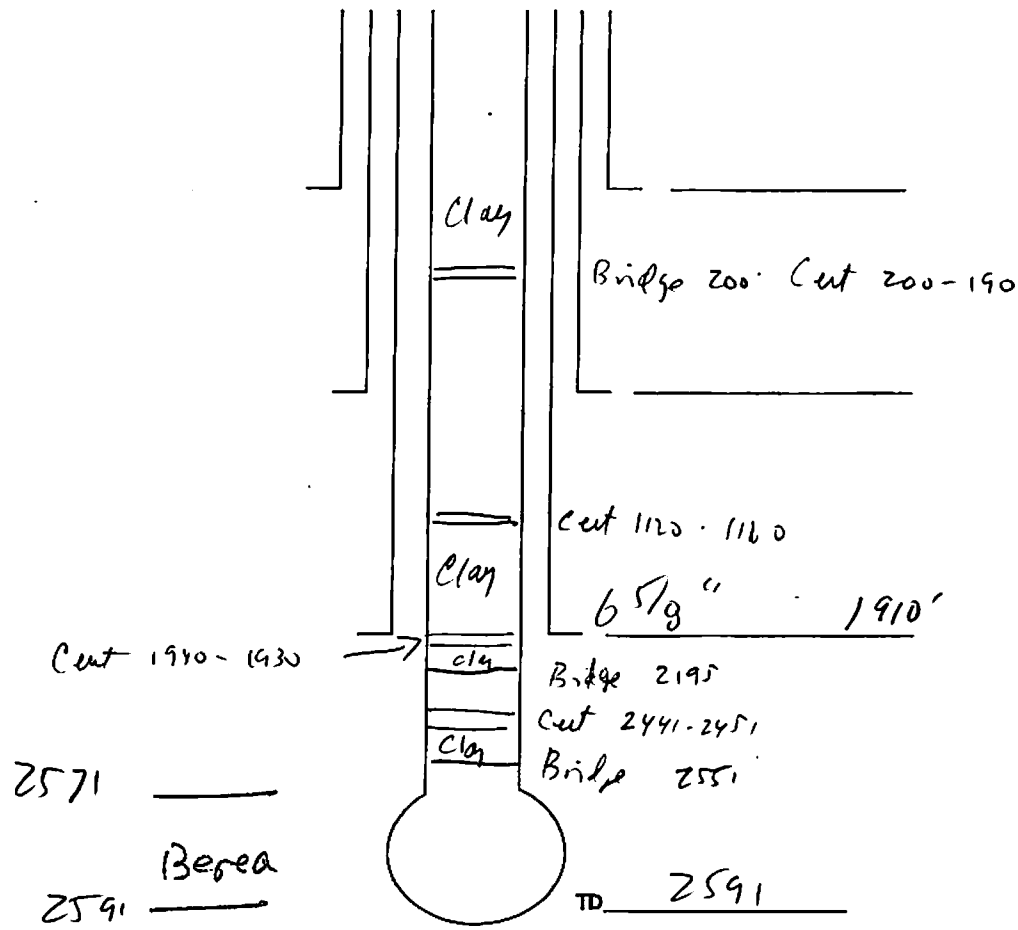
Permit No. Lin-619

79

Creed King 6

Griffithsville Unit #2 Field

47-043- 30619



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(199)

AOR - Well Review Checklist

API Number: 47- 043 - 30840 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 7

Farm Name: Creed Kingery

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2553

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 418,054 Northing: 4,232,108

Elevation: 334

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30840

RECORD of Well No. 7 on W. C. Hungay Farm ... Acres Eighty
Well Field, Duval District Lincoln County ...
Rig Commenced ... 19..., Completed ... 19...
Drilling Commenced Jan 23 1913, Completed March 12 1913
Cost per foot, 1.10 Contractor Weber Bros Address, Hamlin W Va
Drillers' Names D N Tawney & J M Bennett

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¾ Inch	6¾ Inch	6¼ Inch	5¾ Inch	5 3-16-Inch	4¼ Inch
13						1858				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¾ Inch	6¾ Inch	6¼ Inch	5¾ Inch	5 3-16 Inch	4¼ Inch
13						1858				

OIL WELL / GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
3/15/13	Light									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soft		10	10	
Sand	10	83	73	10" hole 360'
Red Rock	83	110	27	
Slate	110	140	30	
Red Rock	140	440	300	
Sand	440	640	200	
Coal	640	642	2	
Slate	642	683	41	
Coal	683	687	4	
Sand	687	787	100	Water enough to drill with
Lime	787	867	80	in sand from 687' to 787
Sand	867	927	60	
Slate	927	1007	80	
Lime	1007	1052	45	
Sand	1052	1155	103	
Black Lime	1155	1180	25	
Salt Sand	1180	1800	620	Hole filled up at 1180'
Black Lime	1800	1835	35	
Pencil Slate	1835	1848	13	
Big Lime	1848	2028	180	
Injun Sand	2028	2093	65	
Slate Shells & Slate	2093	2500	407	
Brown Shale	2500	2531	31	
Berea sand	2531	2553	22	

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30840

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER	West Virginia Pipe Project — NAME OF WELL OPERATOR
ADDRESS	Box 2452, Tulsa, Oklahoma — COMPLETE ADDRESS
COAL OPERATOR OR OWNER	October 17, 1949 — 19
ADDRESS	Duval — District — WELL AND LOCATION
South Penn Gas Company — LEASE OR PROPERTY OWNER	Lincoln — County
Parkersburg, West Virginia — ADDRESS	Well No. 7
	W. C. Kingery — Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA, }
County of Lincoln } ss:

Paul Mize and Ellis Sowards being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by West Virginia Pipe Project well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 13th day of September, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
	Pulled tubing. Set bridge at 2511' (20' above Berea) 2 sacks neat cement and 5' crushed stone, clay to 2411', cement to 2401'				1596' of 5-3/16"	1858' of 6-5/8"
	Set bridge at 2093' (bottom of Big Injun) 2 sacks neat cement and 5' crushed stone. Pulled 5-3/16" casing. Clay to 1888'					
	(30' below 6-5/8" casing) cement to 1878', 5' crushed stone, sealing hole completely below 6-5/8" casing. Pulled 6-5/8" casing					
	as balance of hole was plugged and filled. Set bridge at 1300'					
	(in Salt Sand) 2 sacks neat cement and 5' crushed stone, clay to 1160' (20' above Salt Sand) cement to 1150'. Set bridge at 250',					
	2 sacks neat cement and 5' crushed stone, clay to surface and erect monument.					

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT: 12" x 12" x 30"

and that the work of plugging and filling said well was completed on the 19th day of September, 1949.

And further deponents saith not.

Paul Mize
Ellis Sowards

Sworn to and subscribed before me this 20th day of October, 1949.

J R Osborne
Notary Public.

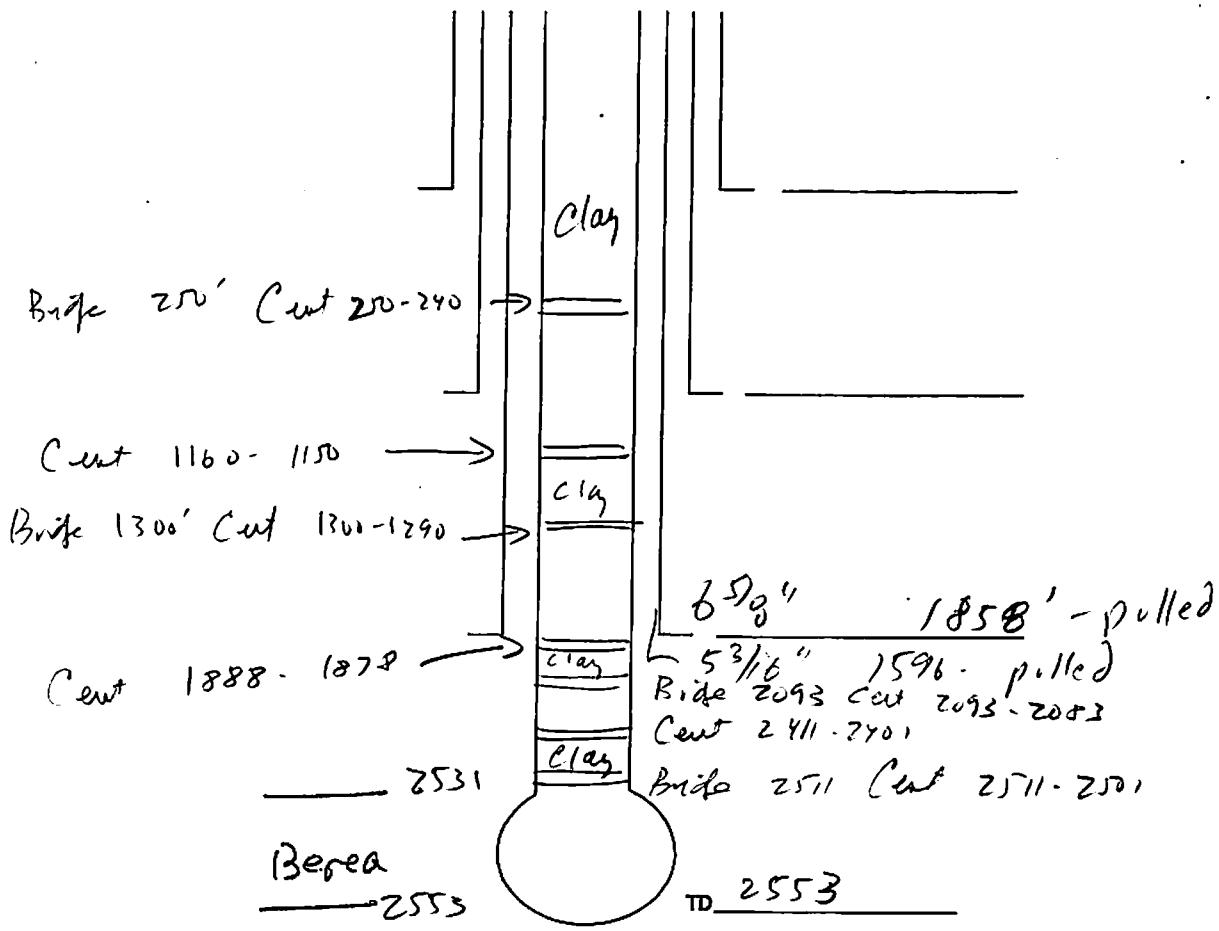
My commission expires: 10-9-57

Permit No. LIN-840

Creed Kinzey 7

Griffithsville Unit #2 Field

47-043- 30840



From Drillers Records/Plugging Records

*WVDEP OOG Internal Use Only
Rev. 6/14/16

200

AOR - Well Review Checklist

API Number: 47- 043 - 30841 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 8

Farm Name: Cloud Kingery

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2581

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 418,172 Northing: 4,232,103

Elevation: 329

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30841

RECORD of Well No. 8 on W. C. Gregory Farm Acres

Field, District County

Rig Commenced 19, Completed 19

Drilling Commenced March 22 1913, Completed May 17 1913

Cost per foot, 1.10 Contractor, Wheeler Bros. Address, Glenville, W.Va.

Drillers' Names D.H. Brown, J.M. Bennett, J.H. Stonestreet,

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4½ Inch
14						1888				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4½ Inch
14						1888				

OIL WELL — GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
5/21/13	80 qts.	2nd Bbls	1"	3/4	90 qts.					

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		10	10	10" hole 400'
Slate & Shells	10	225	215	
Sand	225	300	75	21 = 10 cu. ft.
Slate & Shells	300	430	130	
Sand	430	625	195	
Slate & Shells	625	700	75	
Sand	700	780	80	
Slate	780	880	100	
Sand	880	1000	120	
Slate	1000	1140	140	
Sand	1140	1165	25	
Slate	1165	1200	35	
Salt Sand	1200	1843	643	Hole full of water at 1245'
Big Lime	1843	1875	32	
Keener Slate	1875	1880	5	
Weir Lime	1880	2065	185	Gas at 2040'
Sunbury	2065	2130	65	
Slate & Shells	2130	2530	400	
Brown Shale	2530	2563	33	
Berea Sand	2563	2581	18	

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30841

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER	West Virginia Pipe Project — NAME OF WELL OPERATOR
ADDRESS	Box 2452, Tulsa, Oklahoma — COMPLETE ADDRESS
COAL OPERATOR OR OWNER	October 7, 1949 — 19 — WELL AND LOCATION
ADDRESS	Duval — District
South Penn Gas Company — LEASE OR PROPERTY OWNER	Lincoln — County
Parkersburg, West Virginia — ADDRESS	Well No. 8
	W. C. Kingery — Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Paul Mize and Ellis Sowards being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by West Virginia Pipe Project, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 19th day of September, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
	Pulled tubing, set bridge at 2543' (20' above Berea) 2 sacks neat cement and 5' crushed stone, clay to 2443', cement to 2433'. Set bridge at 2130' (bottom of Big Injun) 2 sacks neat cement and 5' crushed stone, clay to 1918' (30' below 6-5/8" casing) cement to 1908', 5' crushed stone, sealing hole completely below 6-5/8" casing. Pulled 5-3/16" casing. Pulled 6-5/8" casing as balance of hole is plugged and filled. Set bridge at 1300' (in Salt Sand) 2 sacks neat cement and 5' crushed stone, clay to 1180' (20' above Salt Sand) cement to 1170'. Set bridge at 250', 2 sacks neat cement and 5' crushed stone, clay to surface and erect monument.				255' of 5-3/16" 1888' of 6-5/8"	

COAL SEAMS (NAME) (NAME) (NAME) (NAME)

DESCRIPTION OF MONUMENT: 12" x 12" x 30"

RECEIVED OCT 10 1949 WEST VIRGINIA DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 1st day of October, 1949.

And further deponents saith not.

Paul Mize
Ellis Sowards

Sworn to and subscribed before me this 10th day of October, 1949.

J R Osborne
Notary Public.

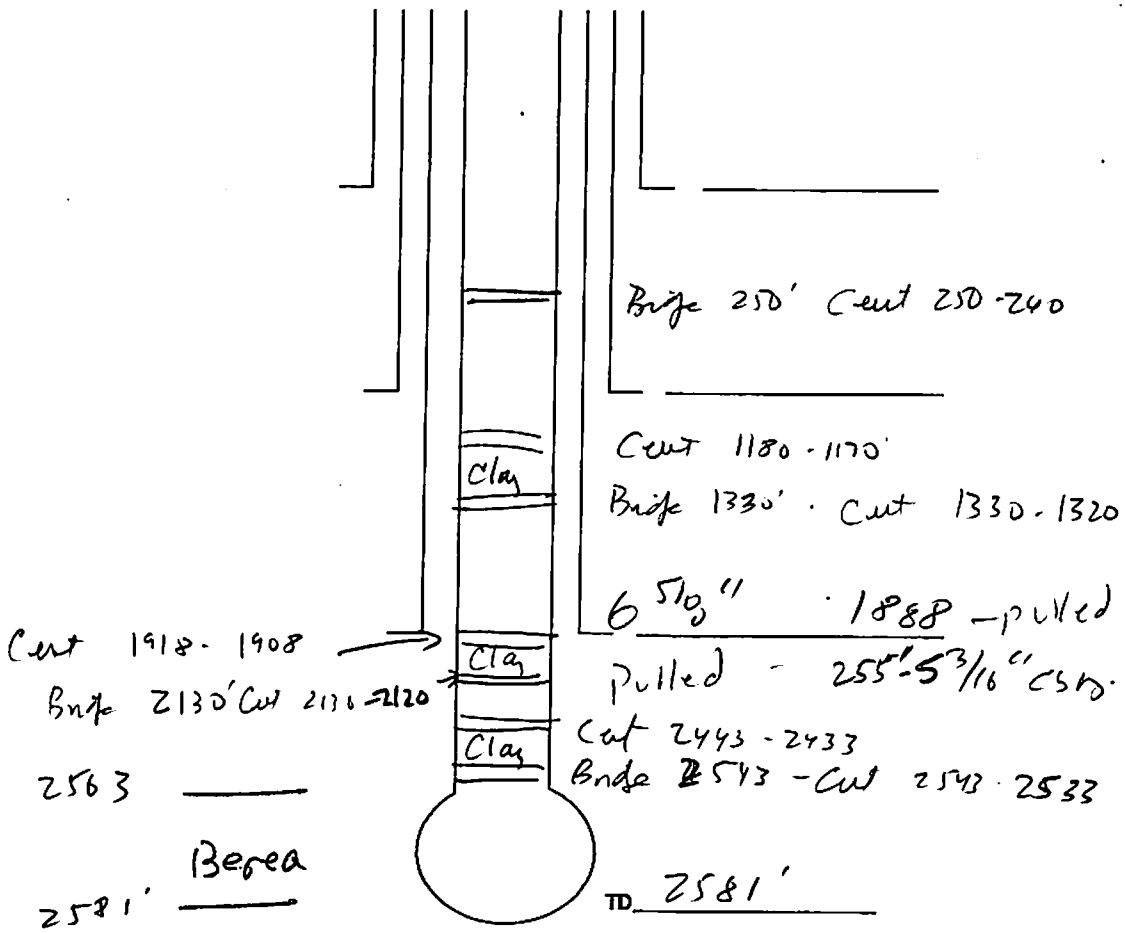
My commission expires:
Oct-9-1957

Permit No. LIN-841

Creed Kingsg B

Griffithsville Unit #2 Field

47-043- 30841



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

201

AOR - Well Review Checklist

API Number: 47- 043 - 30895 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 9
Farm Name: Creed Kingery
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2637
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,805 Northing: 4,232,019
Elevation: 339
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

WR 38 - NA

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

41-043-50073

RECORD of Well No. 9 on W. C. Hennessy Farm Acres

Field, District County

Rig Commenced 19, Completed 19

Drilling Commenced Sept 9 1913, Completed Oct 20 1913

Cost per foot, 1.75 Contractor, Ozark Drilling Co. Address, Graceby, Mo.

Drillers' Names J. S. Barnes / G. E. Drinkard

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6¾ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4¼ Inch
16						1960				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6¾ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4¼ Inch
16						1960				

OIL WELL / GAS WELL

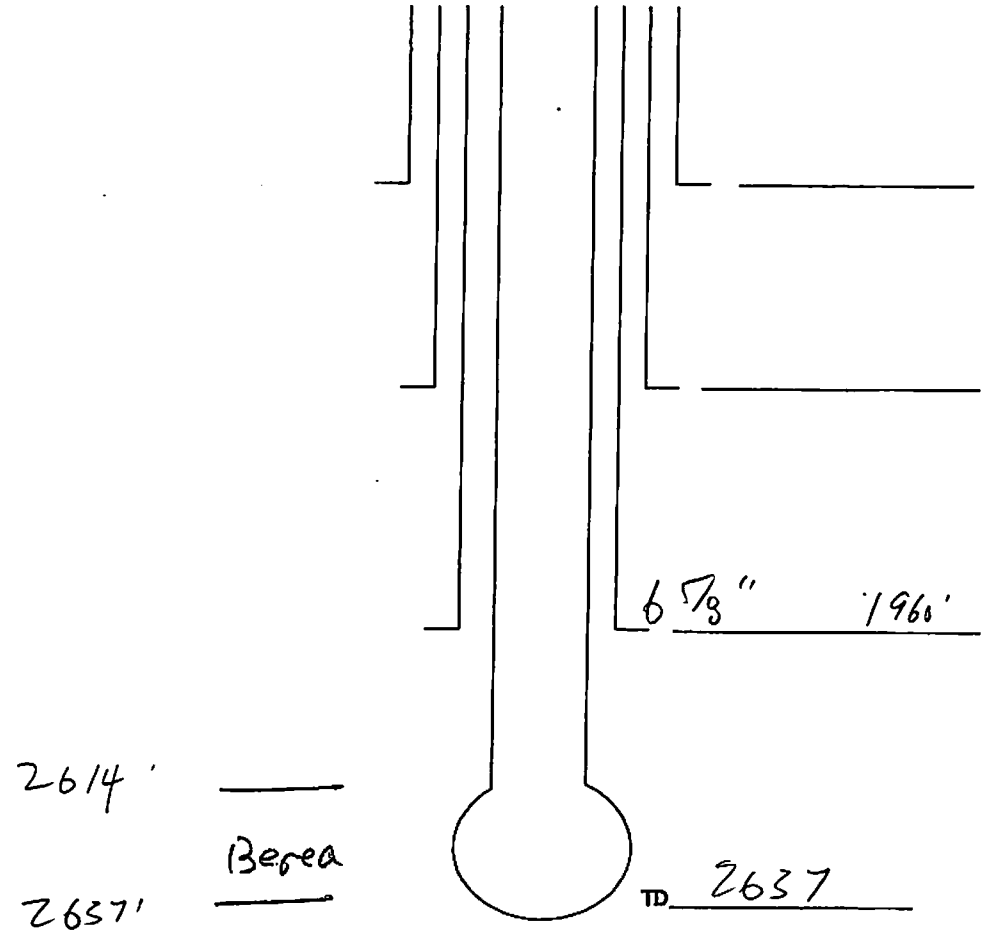
When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
10/22/13	80 qts									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil &	00	16	16	Water to drill with
Slate	16	76	60	260'
Sand	76	140	64	Reduced hole 535'
Slate	140	250	110	2' Coal 540'
Sand	250	535	285	
Slate	535	550	15	
Sand	550	640	90	Hole full water 1320'
Slate	640	840	200	
Sand	840	960	120	
Slate	960	1050	90	
Sand	1050	1150	100	
Slate	1150	1220	70	
Lost Sand	1220	1855	635	
Slate	1855	1865	10	
Wagon Sand	1865	1895	90	30'
Slate	1895	1910	15	
Black Lime	1910	1950	40	
Pencil Cave	1950	1955	5	
Big Lime	1955	2140	185	
Big Lime	2140	2225	85	
Slate & Shells	2225	2600	375	
Brown Shale	2600	2614	14	
Bena - Sand	2614	2637	23	

Creed Kingsry 9

Griffithsville Unit #2 Field

47-043- 30895



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

102

AOR - Well Review Checklist

API Number: 47- 043 - 30261 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 10

Farm Name: Creed Heirs

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2715

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,808 Northing: 4,231,843

Elevation: 365

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47.043-30261

RECORD of Well No. 10 on W. C. Gregory Farm ... Acres
... Field, ... District ... County ...
Rig Commenced ... 19..., Completed ... 19...
Drilling Commenced Oct 28 1913 Completed Dec 12 1913
Cost per foot, 1.15 Contractor, Boone Drilling Co Address, Glenville, W.Va.
Drillers' Names J.H. Haines & Geo Douglas

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¼ Inch	6¼ Inch	6¼ Inch	5¼ Inch	5 3-10-Inch	4¼ Inch
16						2045'				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¼ Inch	6¼ Inch	6¼ Inch	5¼ Inch	5 3-10 Inch	4¼ Inch
16						2045' pulled				

OIL WELL / GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
12/15/13	80qts.									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		16	16	water to drill with 690
Red Rock	16	75	59	
Slate	75	130	55	Reduced hole 480
Sand	130	170	40	from 10" to 8"
Slate	170	185	15	
Sand	185	250	65	hole full of salt water
Slate	250	480	230	at 1400
Sand	480	520	40	
Slate	520	690	170	
Sand	690	790	100	
Slate	790	850	60	
Sand	850	900	50	
Slate	900	970	70	
Sand	970	1070	100	
Slate	1070	1230	160	
Sand	1230	1270	40	
Slate	1270	1300	30	
Salt Sand	1300	1935	635	
Slate	1935	1945	10	
Maxton Sand	1945	1980	35	
Slate	1980	2000	20	
Black Lime	2000	2030	30	
Pencil Cave	2030	2035	5	
Little Lime	2035	2220	185	
Big Lime	2220	2305	85	
Slate	2305	2680	375	
Brown Shale	2680	2695	15	
Berea Sand	2695	2715	20	

Abandoned
10/1/41

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30261

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

Ira Hill
(If any) COAL OPERATOR OR OWNER
Yawkey, W. Va.
ADDRESS

COAL OPERATOR OR OWNER
ADDRESS

(Same as above)
LEASE OR PROPERTY OWNER
ADDRESS

SOUTH PENN NATURAL GAS COMPANY,
NAME OF WELL OPERATOR
Union Trust Building,
Parkersburg, W. Va.
COMPLETE ADDRESS

February 2, 1942.
WELL AND LOCATION

Duval District
Lincoln County
Well No. 10
W. C. Kingery Farm

STATE INSPECTOR SUPERVISING PLUGGING None

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Rex Mason and Thos. Jenkins being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by South Penn Natural Gas Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 18th day of September, 1941, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Berea	Clay	2715	2675			
	Cement	2675	2665			
Permanent Bridge at		2335		6-5/8"-2045'		----
B. Injun-B. Lime	Clay	2335	2045			
B. Lime	Clay	2045	2015			
	Cement	2015	2005			
Little Lime	Clay	2005	1980			
	Cement	1980	1970			
Salt Sand	Clay	1970	1280			
	Cement	1280	1270			
	Clay	1270	to surface			

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
8-1/4" csg. ext. 3' above surface. Filled with cement. Inscribed- on top- S.P.N.G.Co.-W.C.Kingery #10 - Abd. 10-1-41

and that the work of plugging and filling said well was completed on the 1st day of October, 1941.

And further deponents saith not.

Rex Mason
T. B. Jenkins

Sworn to and subscribed before me this 9th day of Feb., 1942.

G. R. Smith
Notary Public.

My commission expires: Dec. 7-1947

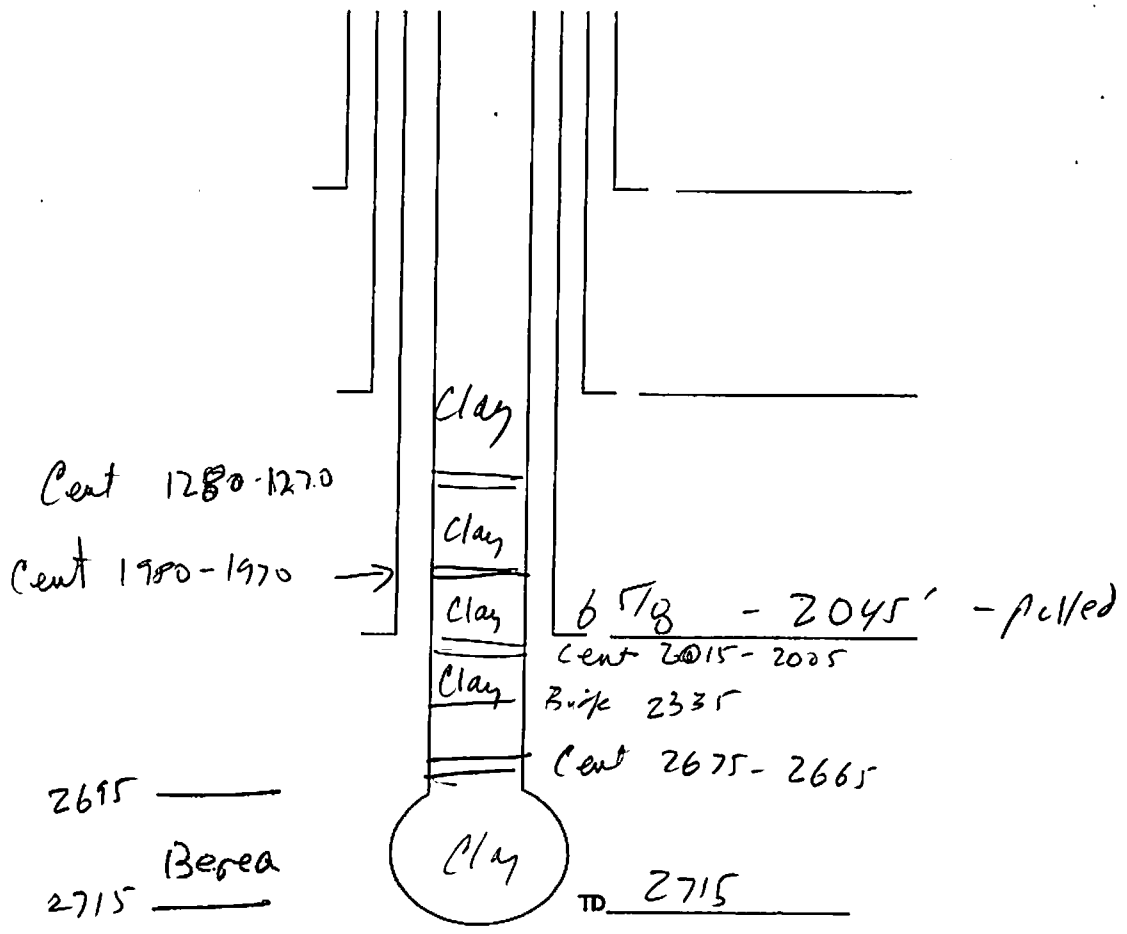
Permit No. LIN-261

JARRETT PRINTING COMPANY, CHARLESTON, W. VA.

Creed Kingrey 10

Griffithsville Unit #2 Field

47-043- 30 261



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

203

AOR - Well Review Checklist

API Number: 47- 043 - 30842 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 11
Farm Name: Creed Kingery
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2463
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 418,024 Northing: 4,231,950
Elevation: 289
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47.043 - 30842

RECORD of Well No. 11 on W. C. Hungry Farm Acres Gabell

Field, District County

Rig Commenced 10 Completed 19

Drilling Commenced March 14 1916. Completed May 22 1916

Cost per foot, 1.15 Contractor, Beam Drilling Co Address, Hawkinsville Ga.

Drillers' Names W. D. Rogers & J. Whitaker.

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¼ Inch	6⅝ Inch	6¼ Inch	5⅛ Inch	5 3-16-Inch	4¼ Inch
16				300		1763				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¼ Inch	6⅝ Inch	6¼ Inch	5⅛ Inch	5 3-16 Inch	4¼ Inch
16				300		1763				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	Size of Packer	Depth Set
5/24/16	80 qts	2nd Shot	8¼ 3/4	130 qts.		

GAS WELL

Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface		16	16	
Sand	16	56	30	3 Bailers water at 195'
Red Rock	56	86	30	
Sand	86	100	14	4 Bailers water at 535'
Slate	100	170	70	
Sand	170	210	40	
Slate	210	240	30	Hole full salt water at 1140'
Sand	240	300	60	
Slate	300	390	90	
Sand	390	470	80	CI = 968 +-
Slate	470	530	80	
Coal	530	535	5	
Sand	535	625	70	
Slate	625	700	75	
Sand	700	760	60	
Slate	760	850	90	
Lime Stone	850	875	25	
Slate	875	1075	200	
Salt Sand	1075	1700	625	
Slate	1700	1706	6	
Water Sand	1706	1716	10	
Slate	1716	1721	5	
Little Lime	1721	1754	33	
Cancel Cave	1754	1757	3	
Big Lime	1757	1937	180	
Big Lime	1937	1997	60	
Shale	1997	2057	60	
Shells	2057	2217	160	
Slate	2217	2422	205	
Brown Shale	2422	2442	20	
Rena Grit	2442	2463	21	

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30842

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

South Penn Gas Company
LEASE OR PROPERTY OWNER

Parkersburg, West Virginia
ADDRESS

West Virginia Pipe Project
NAME OF WELL OPERATOR

Box 2452, Tulsa, Oklahoma
COMPLETE ADDRESS

October 5, 1949 19

WELL AND LOCATION

Duval District

Lincoln County

Well No. 11

W. C. Kingery Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Donald E. Millison and E. J. Murray being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by West Virginia Pipe Project, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 13th day of September, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
	Pulled tubing. Set bridge at 2422' (20' above Berea) 2 sacks neat cement and 5' crushed stone on bridge, clay to 2322', cement to 2312', Pulled 5-3/16" casing. Set bridge at 1997' (bottom of Big Injun) 2 sacks neat cement and 5' crushed stone on bridge, clay to 1793' (30' below 6-5/8" casing, cement to 1783', 5' crushed stone, sealing hole below 6-5/8" casing. Pulled 6-5/8" casing. Set permanent bridge at 320', 2 sacks neat cement and 5' crushed stone. Pulled 8-1/4" casing as balance of hole was filled with clay. Erected monument.				834' of	5-3/16"
					311' of	6-5/8"
					300' of	8-1/4"

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
12" x 12" x 30"

OCT 19 '49
WEST VIRGINIA
DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 21st day of September, 1949.

And further deponents saith not.

Donald E. Millison
E. J. Murray

Sworn to and subscribed before me this 8th day of October, 1949.

J R Osborne
Notary Public.

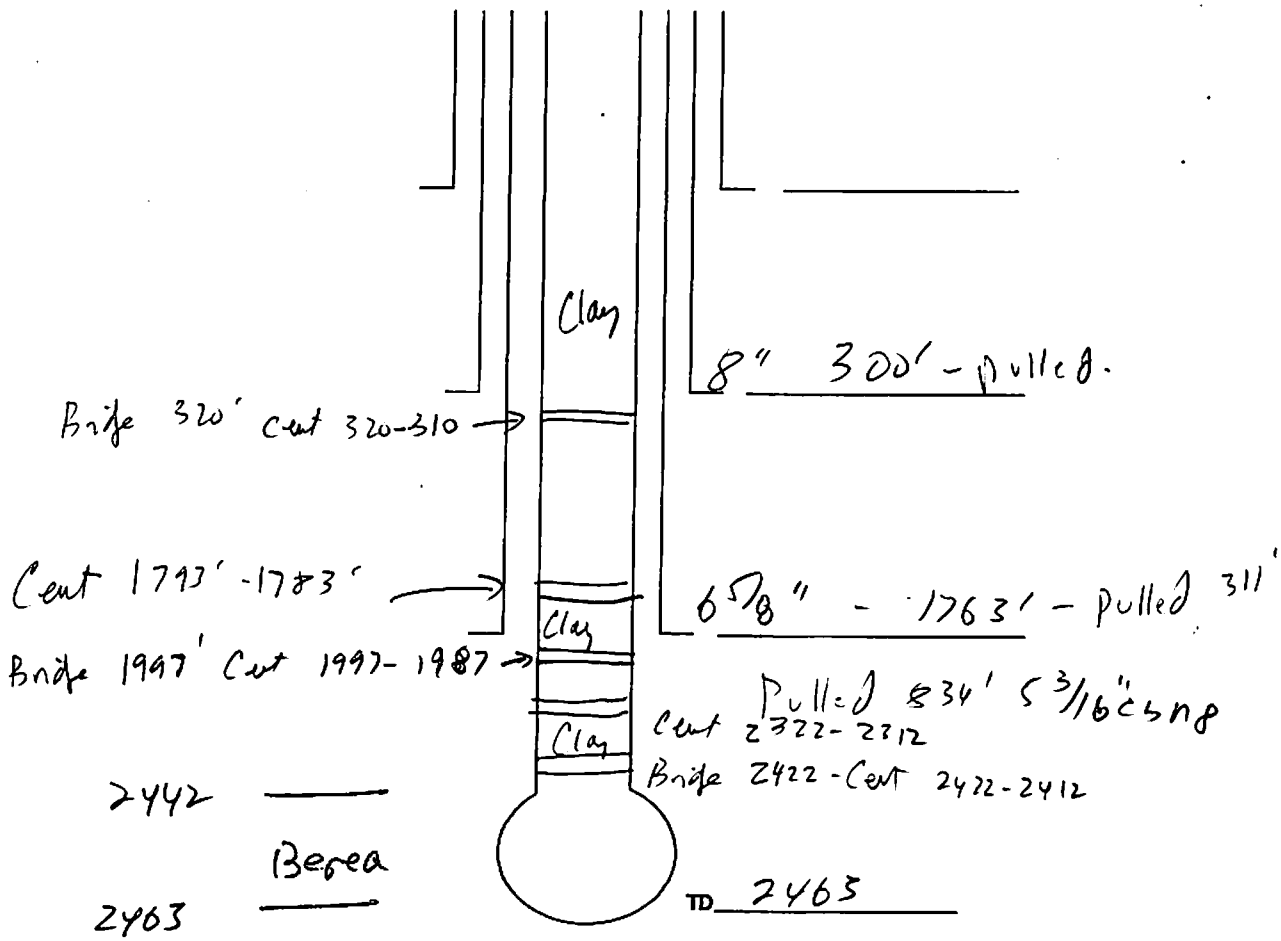
My commission expires:
Oct - 9 - 1957

Permit No. LIN-842

Creed Kinsey 11

Griffithsville Unit #2 Field

47-043- 30842



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(204)

AOR - Well Review Checklist

API Number: 47- 043 - 30843 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 12
Farm Name: Creed Kinsey
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2537
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 418,051 Northing: 4,231,817
Elevation: 308
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0
Bottom Hole Injection Pressure 0
Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30843

RECORD of Well No. 12 on W. L. Stingery Farm Acres Gville
Field, Davis District County
Rig Commenced 19 , Completed 19
Drilling Commenced May 30 1916 Completed July 12 1916
Cost per foot, 11½ Contractor, Beaver Drilling Co. Address,
Drillers' Names W. D. Rodgers & J. W. Haines

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¼ Inch	6¾ Inch	6¼ Inch	5¾ Inch	5 3-16-Inch	4¾ Inch
16				380		1840				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¼ Inch	6¾ Inch	6¼ Inch	5¾ Inch	5 3-16 Inch	4¾ Inch
16				380		1840				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
7/15/16	80 qts.			

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		16	16	
Red Rock	16	66	50	Hole full water at 180'
Slate	66	125	59	
Sand	125	185	60	
Slate	185	225	40	
Sand	225	315	90	
Slate	315	365	50	
Sand	365	405	40	
Slate	405	465	60	First salt water at 1195'
Sand	465	565	100	
Slate	565	595	30	
Sand	595	650	55	Hole full Salt Water at 1225'
Coal	650	655	5	
Sand	655	750	95	
Slate	750	815	65	
Sand	815	895	80	Shot. 10/10/18 - 170 qts. - Bessemer Brit.
Slate	895	925	30	
Sand	925	1000	75	
Slate	1000	1060	60	
Sand	1060	1110	50	
Slate	1110	1137	27	
Salt Sand	1137	1762	625	
Slate	1762	1767	5	
Morton Sand	1767	1787	20	
Slate	1787	1791	4	
Little Lime	1791	1824	33	
Pencil Cave	1824	1830	6	
Big Lime	1830	2010	180	
" Injun	2010	2070	60	
Slate	2070	2130	60	
Slate & Shells	2130	2498	368	
Brown Shale	2498	2518	20	
Brown L. [illegible]	[illegible]	[illegible]	19	

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30843

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

South Penn Gas Company
LEASE OR PROPERTY OWNER

Parkersburg, West Virginia
ADDRESS

West Virginia Pipe Project
NAME OF WELL OPERATOR

Box 2452, Tulsa, Oklahoma
COMPLETE ADDRESS

October 17, 1949 19

WELL AND LOCATION

Duval District

Lincoln County

Well No. 12

W. C. Kingery Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Donald E. Millison and E. J. Muzny being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by West Virginia Pipe Project, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 4th day of October, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Pulled tubing. Set bridge at 2498' (20' above Berea) 2 sacks neat cement and 5' crushed stone, clay to 2398', cement to 2388'. Set bridge at 2070', bottom of Big Injun) 2 sacks neat cement and 5' crushed stone, clay to 1870' (30' below 6-5/8" casing, cement to 1860', 5' crushed stone, sealing hole completely below 6-5/8" casing. Pulled 6-5/8" casing as balance of hole was plugged and filled. Set bridge at 1250' (in Salt Sand) 2 sacks neat cement and 5' crushed stone, clay to 1117' (20' above Salt Sand) cement to 1107'. Pulled 8-1/4" casing. Set bridge at 250', 2 sacks neat cement and 5' crushed stone, clay to surface and erected monument.				2 sacks neat	1840' of 6-5/8"	326' of 8-1/4"

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	12" x 12" x 30"
(NAME)	
(NAME)	
(NAME)	

and that the work of plugging and filling said well was completed on the 7th day of October, 19 49.

And further deponents saith not.

Donald E. Millison

E. J. Muzny

Sworn to and subscribed before me this 20th day of October, 19 49.

J R Osborne
Notary Public.

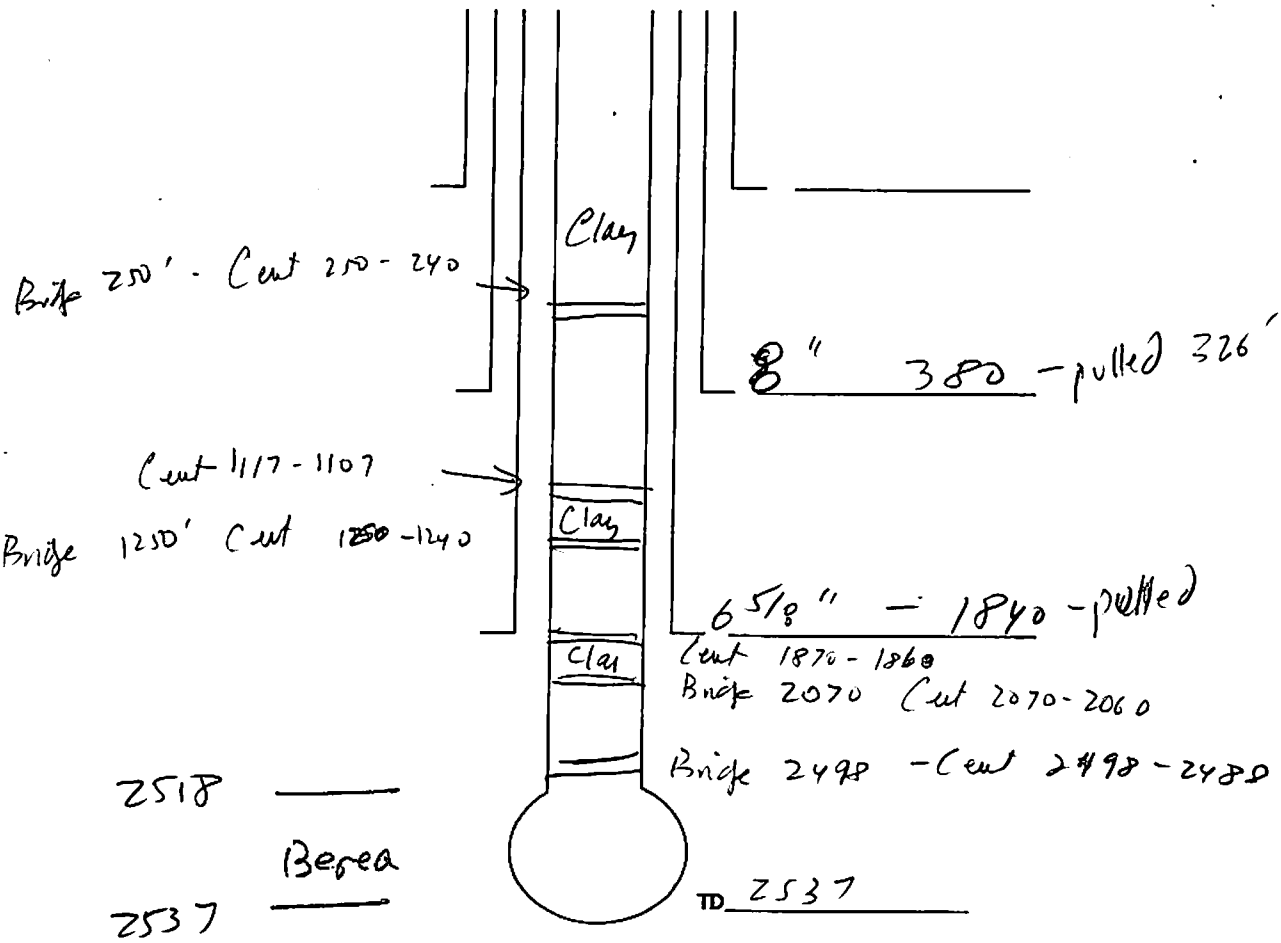
My commission expires:
10-9-57

Permit No. LIN-845

Creed Kinsey 12

Griffithsville Unit #2 Field

47-043- 30843



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

205

AOR - Well Review Checklist

API Number: 47- 043 - 30844 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 13

Farm Name: Creed Kingery

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2465

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 418,032 Northing: 4,231,596

Elevation: 293

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043 - 30844

RECORD of Well No. 13 on W. L. Stringer Farm. Acres
Field, Griffithsville District Hunter County Lincoln
Rig Commenced ..... 19 .., Completed ..... 19 ....
Drilling Commenced July 21 1916. Completed Sept 1 1916
Cost per foot, 1.5 Contractor Boone Drilling Co Address, Hawkey, W. Va.
Drillers' Names W. D. Rodgers J. W. Hayes

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¼ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4½ Inch
16				325'		1753				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¼ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4½ Inch
16						1753				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set
9/5/16	80qts						

GAS WELL

Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		16	16	
Slate	16	116	100	
Sand	116	291	175	
Slate	291	316	25	
Sand	316	340	24	
Coal	340	345	5	
Sand	345	445	100	
Slate	445	525	80	
Sand	525	725	200	
Slate	725	775	50	
Sand	775	835	60	
Slate	835	900	65	
Sand	900	980	80	
Slate	980	1020	40	
Sand	1020	1050	30	
Slate	1050	1075	25	
Salt Sand	1075	1675	600	
Slate	1675	1685	10	
Maxon Sand	1685	1705	20	
Black Lime	1705	1743	38	
Pencil Cave	1743	1748	5	
Big Lime	1748	1928	180	
" Injun	1928	1988	60	
Slate & Shells	1988	2188	200	
Slate	2188	2423	235	
Brown Shale	2423	2443	20	
Berea Grit	2443	2465	22	

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-3084

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

South Penn Gas Company
LEASE OR PROPERTY OWNER

Parkersburg, West Virginia
ADDRESS

West Virginia Pipe Project
NAME OF WELL OPERATOR

Box 2452, Tulsa, Oklahoma
COMPLETE ADDRESS

October 8, 1949 19

WELL AND LOCATION

Duval District

Lincoln County

Well No. 13

W. C. Kingery Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Odis Parsons and S. S. Stephens, Jr.

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by West Virginia Pipe Project, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 16th day of September, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Pulled tubing. Set bridge at 2423' (20' above Berea) 2 sacks neat cement and 5' crushed stone, clay to 2323', cement to 2313'. Set bridge at 1988' (bottom of Big Injun) 2 sacks neat cement and 5' crushed stone on bridge, clay to 1785' (30' below 6-5/8" casing) cement to 1773', 5' crushed stone, sealing hole completely below 6-5/8" casing. Pulled 6-5/8" casing as balance of hole was plugged and filled. Set bridge at 1200' (in Salt Sand) 2 sacks neat cement and 5' crushed stone, clay to 1055' (20' above Salt Sand) cement to 1045'. Set bridge at 250', 2 sacks neat cement and 5' crushed stone, clay to surface and erect monument.					1753' of 6-5/8"	

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
12" x 12" x 30"

OCT 1949
WEST VIRGINIA
DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 23rd day of September, 1949.

And further deponents saith not. Odis Parsons
S. S. Stephens, Jr.

Sworn to and subscribed before me this 10th day of October, 1949.

J R Osborne
Notary Public.

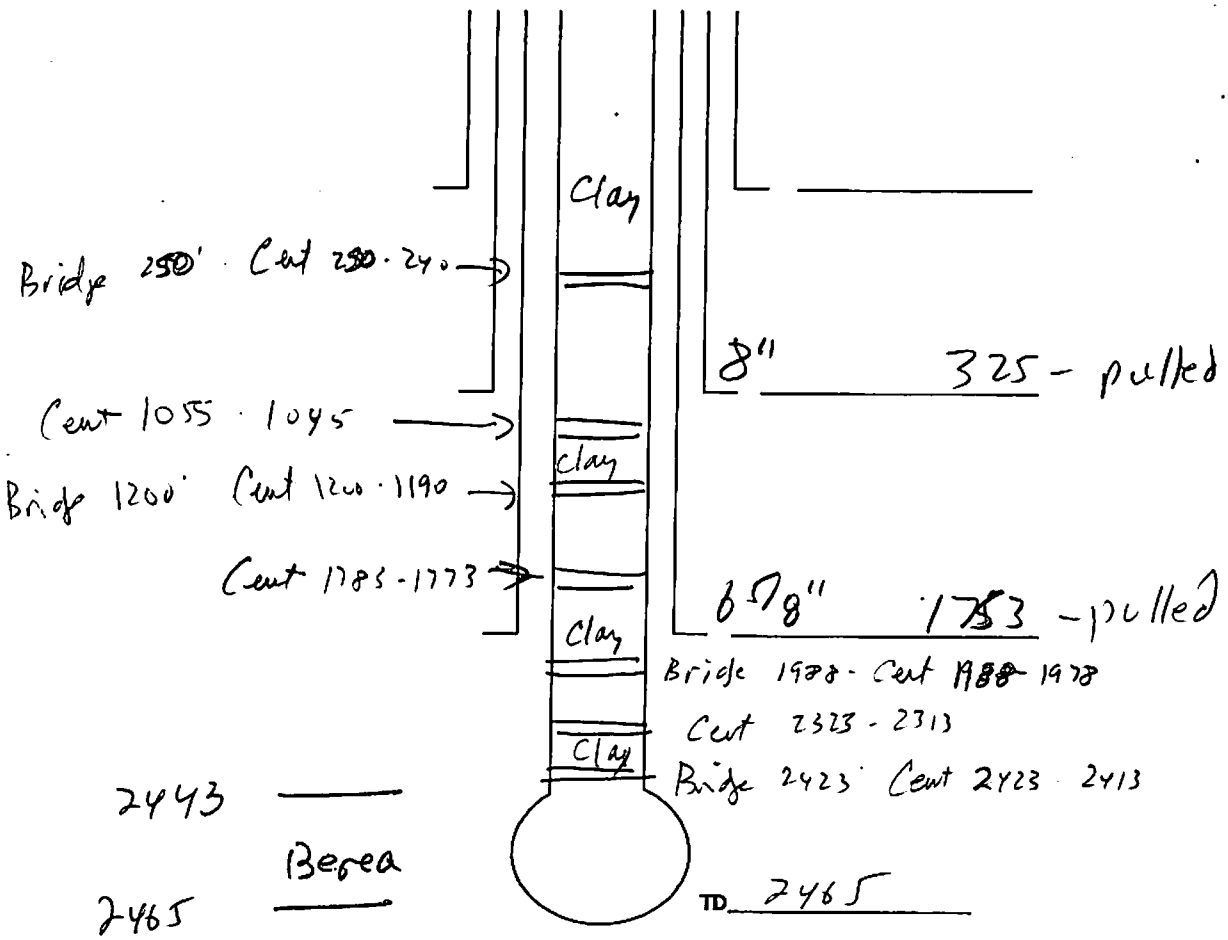
My commission expires:
Oct. 9-1957

Permit No. LIN-844

Creed Kingery 13

Griffithsville Unit #2 Field

47-043- 30844



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

206

AOR - Well Review Checklist

API Number: 47- 043 - 30270 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #:

Farm Name: J B Kingrey

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2443

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,270 Northing: 4,233,785

Elevation: 290'

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

RECORD of Well No. 1 on J. B. Simpson Farm ..... Acres 6 Gilfillan

Well Field Ovalo District Hackberry County Coke

Rig Commenced ..... 19..., Completed ..... 19...

Drilling Commenced July 26 19..., Completed Sept 10 1909

Cost per foot 1.00 Contractor Walter Bros Address Hawley

Drillers' Names E. L. Williford and Frank Burridge

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅝ inch	6⅝ inch	6¼ inch	5⅝ inch	5 inch	4½ inch
111				320		1730				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅝ inch	6⅝ inch	6¼ inch	5⅝ inch	5 inch	4½ inch
						1730 Pulled 1730				

OIL WELL **GAS WELL**

When Shot	Steel Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
9/11		2nd Shot 1/16/10		2000						

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface		14	14	El = 3..
Red Rock	14	40	26	
Salt	40	80	40	
Red Rock	80	120	40	
Salt	120	160	40	
Sand	160	300	140	
Gyp	300	304	4	
Gyp & Shells	304	350	46	
Sand	350	500	150	
Salt	500	520	20	
Sand	520	700	180	
Black Shale	700	820	120	
Sand	820	870	50	
Lime	870	890	20	
Salt	890	970	80	
Sand	970	1020	50	
Salt	1020	1050	30	
Salt Sand	1050	1685	635	Hole filled up at 1120'
Black Lime	1685	1720	35	with water from Salt Sand
Sugar Lime	1720	1725	5	
White Lime	1725	1905	180	Hole filled up while
Brown Sand	1905	1966	61	drilling Sand 200 ft.
Black Shale	1966	2421	455	
Lime Sand	2421	2443	22	
		"Abandoned" April 17, 1911.		

47043-30270

47-043-30270

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

(NO COAL) — COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
South Penn Natural Gas Co. — LEASE OR PROPERTY OWNER
Union Trust Building, Parkersburg, W. Va. — ADDRESS

SOUTH PENN NATURAL GAS COMPANY — NAME OF WELL OPERATOR
Union Trust Building, Parkersburg, W.Va. — COMPLETE ADDRESS
November 16, 1942. — 194 — WELL AND LOCATION
Duval — District
Lincoln — County
Well No. 1
J. B. Kingery — Farm
STATE INSPECTOR SUPERVISING PLUGGING — Calvin Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

G. W. Richards and Everett Richards being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by South Penn Natural Gas Co. well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 6th day of April, 1942, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
Berea	Red Clay	2443	2401			
	Cement	2401	2391			
Bridge Hole		1996				
B.Inj.-B.Lime	Red Clay	1996	1730	6-5/8" - 1730' - ----		
B. Lime	Red Clay	1730	1705			
	Cement	1705	1695			
L. Lime	Clay	1695	1665			
	Cement	1665	1655			
Salt Sand	Clay	1655	1030			
	Cement	1030	1020			
	Clay & Rock	1020	to surface.			

COAL SEAMS

DESCRIPTION OF MONUMENT

8-1/4" csg. ext. 3' above surface. Filled with cement. Inscribed on top: S.P.N.G.Co.-J.B.Kingery #1. Abd. Apr. 17-42.

and that the work of plugging and filling said well was completed on the 17th day of April, 1942.

And further deponents saith not.

x G. W. Richards x
Everett Richards

Sworn to and subscribed before me this 17th day of August, 1942.

B. Smith
Notary Public.

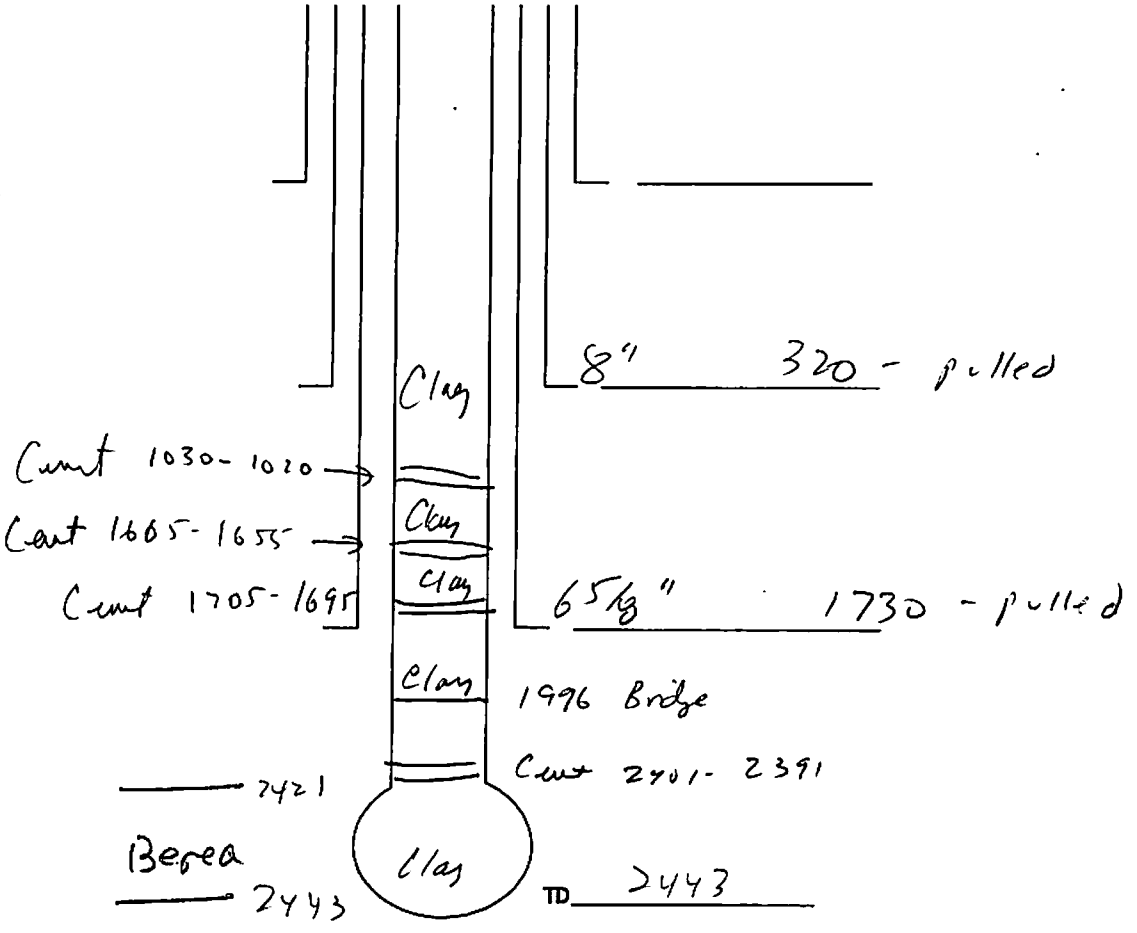
My commission expires: December 7-1947

Permit No. LIN-270

T B Kingrey 1

Griffithsville Unit #2 Field

47-043- 30270



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(207)

AOR - Well Review Checklist

API Number: 47- 043 - 30994 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 2
Farm Name: J B Kinser
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2425
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐ ✓
Easting: 416,230 Northing: 4,233,953
Elevation: 278
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30944

Record of Well No. 2 on J. B. Hunter Farm Acres Griffith
Well Field, Duvall District Grant County,
Rig Commenced 19 Completed 19
Drilling Commenced Sept 20 1909. Completed Oct 28 1909
Cost per foot. 1½ Contractor, Wells Bros Address, Fairmont
Drillers' Names, E. L. Stillwagon and Chas Engle

CONDUCTOR AND CASING USED IN DRILLING.

	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6¼ inch	6¼ inch	6¼ inch	5 3-16 inch	4¼ inch
Conductor						1730				
14										

CONDUCTOR AND CASING LEFT IN WELL.

	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6¼ inch	6¼ inch	6¼ inch	5 3-16 inch	4¼ inch
Conductor										

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
10/27		2 ms	1730 8	3/4 1/8 1/7

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		14	14	E.
Red Rock	14	44	30	280' 1 Boiler water
Slate	44	150	106	
Sand	150	210	60	300' 10" hole made
Slate & Shells	210	240	30	340 8" Casing used
Sand	240	300	60	
Slate	300	350	50	
Sand	350	500	150	Hole filled up to this
Slate & Shells	500	700	200	Salt Sand at 1120 ft
Slate	700	900	200	
Lime Shells	900	950	50	
Sand	950	1000	50	
Lime Shells	1000	1100	100	
Lime & Sand	1100	1680	580	
Slate	1680	1690	10	
Black Lime	1690	1720	30	
Pencil Cave	1720	1724	4	
Big Lime	1724	1904	180	
Big Injun	1904	1964	60	
Slate	1964	2064	100	
Coffee Sand	2064	2404	340	
Berea Sand	2404	2425	21	

47.043- 30994

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE COAL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
LEASE OR PROPERTY OWNER
ADDRESS

R. J. & L. Supply Company
NAME OF WELL OPERATOR
c/o Hallie Pack, Hamlin, West Virginia
COMPLETE ADDRESS
April 9, 19 51
WELL AND LOCATION
Duval District
Lincoln County
Well No. 2
J. B. Kingrey Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Ray Thompson and Kelly Roberts being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack, well operator, and participated in the work of plugging and filling the above well; that said work was commenced on the 1 day of March, 19 51, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Bridge Set At	2405'		2"	2419'	
	Neat Cement	2405'	2395'	5-1/2"	1750	None
	Crushed Stone	5'		7"	1730'	None
	Clay		1760'			
	Neat Cement	1760'	1750'			
	Crushed Stone	5'				
	Bridge Set At	1650'				
	Neat Cement	1650'	1640'			
	Crushed Stone	5'				
	Clay		1080'			
	Neat Cement	1080'	1070'			
	Crushed Stone	5'				
	Bridge Set At	300'				
	Neat Cement	300'	290'			
	Crushed Stone	5'				
COAL SEAMS	Clay to Surface			DESCRIPTION OF MONUMENT		
				Erected Marker According		
				Rule 18, 1931 Regulations		

and that the work of plugging and filling said well was completed on the 15 day of March, 19 51. And further deponents saith not.

Ray Thompson
Kelly Roberts

Sworn to and subscribed before me this 30 day of April, 19 51.

Notary Public.

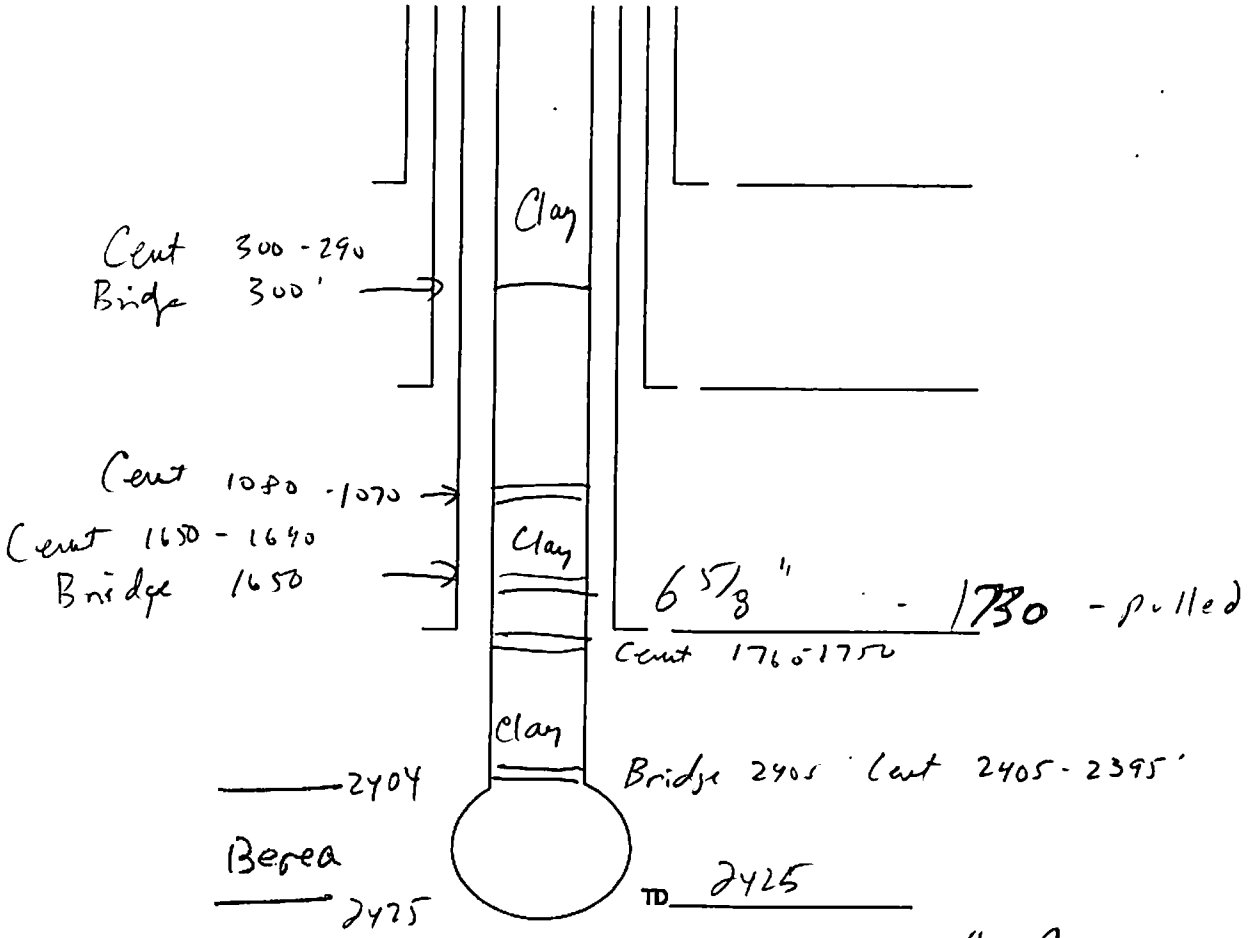
My commission expires:
My commission expires March 19, 1953

Permit No. LIN-994

J B Kingrey #2

Griffithsville Unit #2 Field

47-043- 30994



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

208

AOR - Well Review Checklist

API Number: 47- 043 - 30946 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 3
Farm Name: J R Kinsey
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2709
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,228 Northing: 4,234,150
Elevation: 270
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30946

Record of Well No. 3 on J. B. Hinzey Farm ... Acres 54 5/8

Well Field, Duvall District Sheridan County Lewis

Rig Commenced ... 19... Completed ... 19...

Drilling Commenced Jan 9 1904. Completed Dec 20 1904

Cost per foot 1.10 Contractor, Heller Bros Address, Jane Lew W. Va.

Drillers' Names, C. L. Stalnaker & Wm. H. Rhodes

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅝ inch	6⅝ inch	6¼ inch	5 9-10 inch	4½ inch
20						1710			

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅝ inch	6⅝ inch	6¼ inch	5 9-10 inch	4½ inch
20						1710			

OIL WELL

When Shot	Kind of Torpedo	1st Day's Production	Tubing	Rods
12/21/04	Qts	2nd Shot 40 bbls 24 hrs		

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Red Rock	20	40	20	240' 10" Fish Creek
Slate	40	80	40	110 8" casing used
Sand	80	140	60	
Slate	140	180	40	Hole filled with Sand X
Sand	180	200	20	Sand water at 1100'
Slate	200	240	40	
Sand	240	290	50	Elev 1233
Sand	240	460	170	
Lime Shells	460	530	50	
Sand	530	560	30	
Slate	560	590	30	
Sand	590	685	95	
Slate	685	785	100	
Sand	785	820	35	
Slate	820	1020	200	
Lime	1020	1040	20	
Slate	1040	1070	30	
Salt Sand	1070	1645	575	
Slate Coal	1645	1655	10	
Black Lime	1655	1695	40	
Pencil Cave	1695	1705	10	
Big Lime	1705	1864	159	
Keener Sand	1864	1920	54	
Slate	1920	2030	110	
Brown Shale	2030	2375	345	
Brown Shale	2375	2385	20	
Berea Sand	2385	2408	23	
Bot Hole	2408			

47-043-30946

FORM GG-B

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

NAME OF WELL OPERATOR: G. S. H. Supply Company

COMPLETE ADDRESS: c/o Hallie Pack, Hamlin, West Virginia

January 11, 19 51

WELL AND LOCATION

Duval District

Lincoln County

Well. No. 3

J. B. Kingrey Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Frank Pack and C. R. Thompson being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 10 day of December, 19 50, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
	Bridge Set At	2365'		6-5/8"	1710'	
	Neat Cement	2365'	2355'	2"	2402'	
	Crushed Stone	5'				
	Clay		1740'			
	Neat Cement	1740'	1730'			
	Crushed Stone	5'				
	Bridge Set At	1520'				
	Neat Cement	1520'	1510'			
	Clay		1050'			
	Neat Cement	1050'	1040'			
	Crushed Stone	5'				
	Bridge Set At	350'				
	Neat Cement	350'	340'			
	Crushed Stone	5'				
	Clay to Surface					

COAL SEAMS

(THICKNESS)
(THICKNESS)
(THICKNESS)
(THICKNESS)

DESCRIPTION OF MONUMENT: Erected Marker According Rule 18, 1931 Regulations

JAN 1951 WEST VIRGINIA DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 3 day of January, 19 51

And further deponents saith not.

Frank Pack
C. R. Thompson

Sworn to and subscribed before me this 15 day of January, 19 51.

Notary Public.

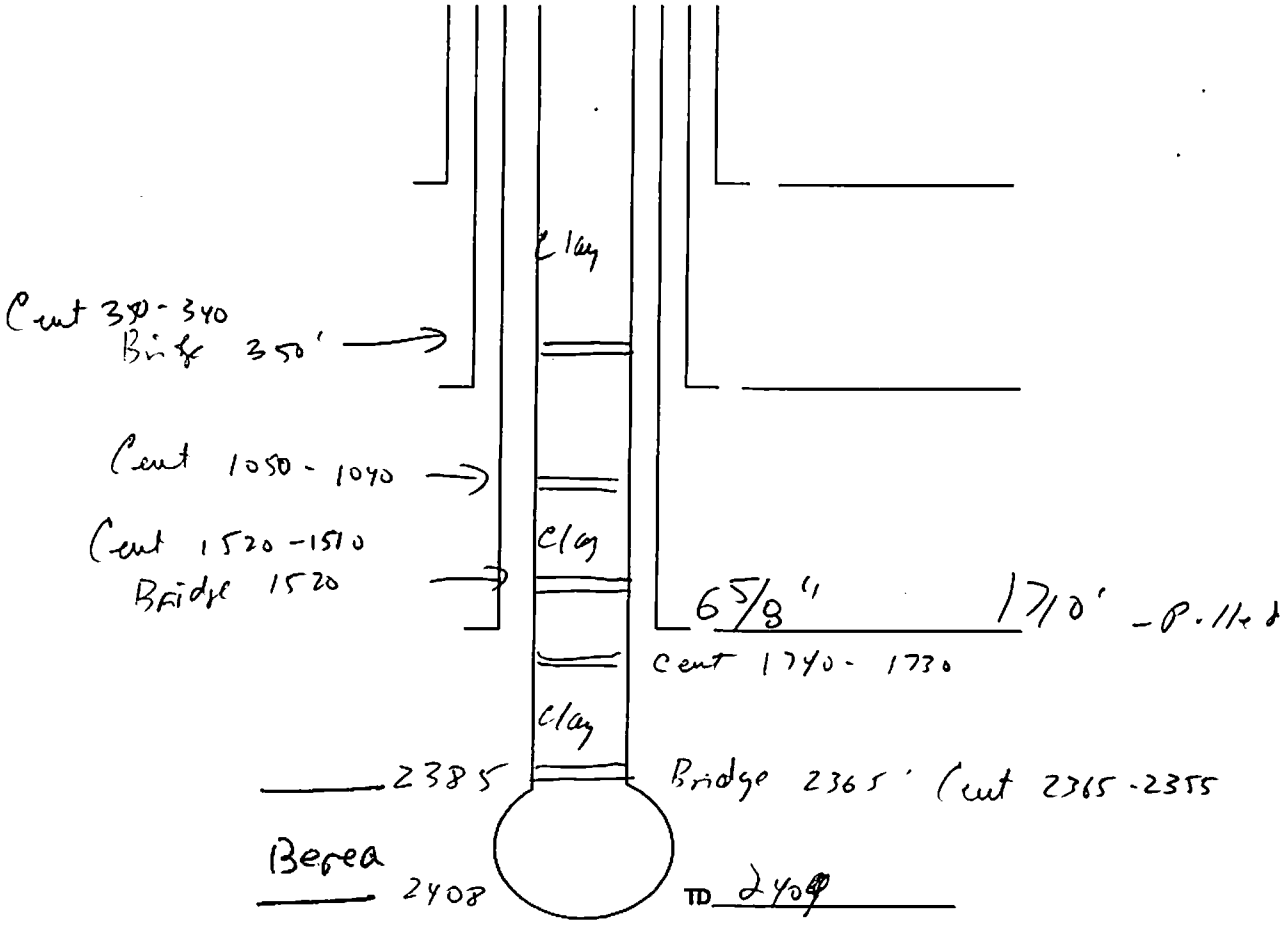
My commission expires:
April 4, 1957

Permit No. LIN-946

J R Kingery 3

Griffithsville Unit #2 Field

47-043- 30946



From Drillers Records/Plugging Records

209

WVDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

API Number: 47- 043 - 30947 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 4
Farm Name: J B Kinsey
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2329
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,286 Northing: 4,234,311
Elevation: 250
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-3094

RECORD of Well No. 4 on J. R. Summers Farm Acres Confidential

Wells Field. Dawes District Jefferson County Kanawha

Rig Commenced ____ 10__, Completed ____ 10__

Drilling Commenced June 14 1911, Completed July 26 1911

Cost per foot, 1.10 Contractors Wells Bros. Address Glenville W. Va.

Drillers' Names, J. H. Wells & Albert Bradley

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	6 inch	7¼ inch	6¼ inch	6¼ inch	5¼ inch	5 3-16 inch	4¼ inch
28				195'		1625'				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	6 inch	7¼ inch	6¼ inch	6¼ inch	5¼ inch	5 3-16 inch	4¼ inch
28				—		1625'				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
7/27/11	90 qts	2nd Hole 5 Bbls 1500 ft.		

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		28	28	
Slate	28	50	22	195 ft 10" Hole
Sand	50	100	50	8" Hole
Slate	100	125	25	
Sand	125	190	65	Hole filled up from
Slate	190	225	35	Salt Sand 1070'
Sand	225	250	25	
Slate	250	275	25	
Sand	275	405	130	
Coal	405	408	3	
Slate	408	425	17	
Sand	425	480	55	
Slate	480	500	20	
Sand	500	640	140	
Slate	640	690	50	
Sand	690	815	125	
Slate	815	840	25	
Sand	840	900	60	
Slate	900	925	25	
Salt Sand	925	1565	640	
Red Rock	1565	1575	10	
" Lime	1575	1610	35	
Cave	1610	1615	5	
Slate & Lime	1615	1785	170	
Lime	1785	1850	65	
Keener Shale	1850	2307	457	
Berea Sand	2307	2329	22	

47.043-30947

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

G. S. H. Supply Company
NAME OF WELL OPERATOR
c/o Hallie Pack, Hamlin, West Virginia
COMPLETE ADDRESS

January 13, 19 51
WELL AND LOCATION

Duval District

Lincoln County

Well No. A

J. B. Kingrey Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Frank Pack and Paul Weaver being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 11 day of December, 19 50, and that the well was plugged and filled in the following manner:

NAME OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Bridge Set At	2287'		2"	2303'	None
	Neat Cement	2287'	2277'	6-5/8"	581'	1044'
	Crushed Stone	5'		5-3/16"	1648'	262'
	Clay		1645'			
	Neat Cement	1645'	1635'			
	Crushed Stone	5'				
	Bridge Set At	1430'				
	Neat Cement	1430'	1420'			
	Crushed Stone	5'				
	Clay	905'				
	Neat Cement	905'	895'			
	Crushed Stone	5'				
	Bridge Set At	350'				
	Neat Cement	350'	340'			
	Crushed Stone	5'				
COAL SEAMS	Clay to Surface			DESCRIPTION OF MONUMENT		
(NAME)				Erected Marker According Rule 18, 1931 Regulations		
(NAME)						
(NAME)						
(NAME)						



and that the work of plugging and filling said well was completed on the 20 day of December, 19 50

And further deponents saith not.

Frank Pack
Paul Weaver

Sworn to and subscribed before me this 15 day of February, 1951.

Notary Public.

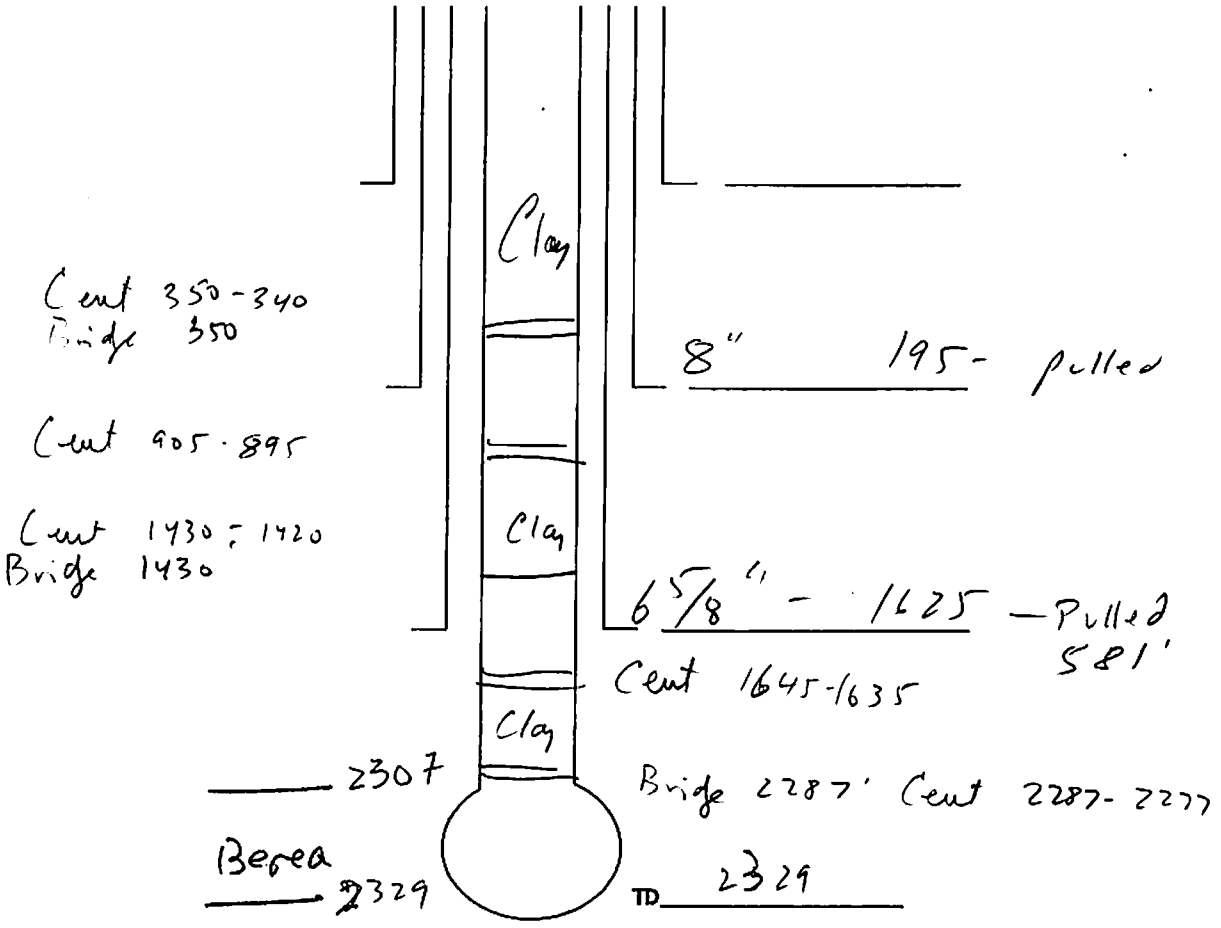
My commission expires:
April 1, 1957

Permit No. LIN-947

JB Kingrey 4

Griffithsville Unit #2 Field

47-043- 30947



From Drillers Records/Plugging Records

(40)

WVDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

API Number: 47- 043 - 30668 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 5
Farm Name: J B Kingrey
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2496
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,515 Northing: 4,234,369
Elevation: 304
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30668

Record of Well No. 5 on J. B. Haigley Farm Acres

Field, District County,

Rig Commenced 10 Completed 10

Drilling Commenced Aug 10 1911 Completed Sept 25 1911

Cost per foot, 1.10 Contractors Weber Bros Address Glenville W. Va.

Drillers' Names, Geo Bragg & Tom Summerfield

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	6 inch	7¾ inch	6⅝ inch	6¼ inch	5¾ inch	5 3/16 inch	4¾ inch
16						1803				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	6 inch	7¾ inch	6⅝ inch	6¼ inch	5¾ inch	5 3/16 inch	4¾ inch
16						1803				

OIL WELL **GAS WELL**

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
9/25/11	200 X.									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		16	16	
Red Rock	16	75	59	
Slate	75	100	25	
Red Rock	100	120	20	
Sand	120	140	20	
Red Rock	140	223	83	
Sand	223	260	35	
Slate	260	365	105	Reamed 10" hole at 365'
Sand	365	390	25	to 8"
Slate	390	420	30	
Sand	420	440	20	
Slate	440	570	130	trace of coal at 570'
Sand	570	580	10	" " " " 640'
Slate	580	610	30	
Sand	610	785	175	
Slate	785	890	105	
Sand	890	930	40	
Slate	930	1005	75	
Sand	1005	1080	75	
Slate	1080	1140	60	
1st Sand	1140	1753	613	hole filled full of water
Little Lime	1753	1788	35	at 1200'
Pencil	1788	1793	5	
White Lime	1793	1978	185	Cased 10' in white Lime
Injection Sand	1978	2038	60	
Berea Shale	2038	2455	417	
Brown Shale	2455	2475	20	
Berea Sand	2475	2496	21	

47-043-30668

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER — ADDRESS — COAL OPERATOR OR OWNER — ADDRESS — LEASE OR PROPERTY OWNER — ADDRESS

NAME OF WELL OPERATOR: United Fuel Gas Company
COMPLETE ADDRESS: Charleston, W. Va.
WELL AND LOCATION: May 10, 1949
Duval District
Lincoln County
Well No. 5
J. B. Kingery Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Lincoln } ss:

Clyde Satterfield and E. J. Elkins being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. H. Adkins well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 11 day of April, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
	SET A PERMANENT BRIDGE AT 2455' - 20' above Berea Sand. 2 sacks neat cement and 5' crushed stone on bridge. Filled with clay to 2355'. Neat cement 2355' to 2345'.					
	SET A PERMANENT BRIDGE AT 2068' - 30' below Big Injun. 2 sacks neat cement and 5' crushed stone on bridge. Filled with clay to 1833' - 30' below 6-5/8". Neat cement 1833' - 1623'. 5' crushed stone on cement plug.					
	PULLED 5-3/16" CASING					
	PULLED 6-5/8" CASING AS BALANCE OF HOLE WAS FILLED AND PLUGGED.					
	Continued Filling with clay to 1120' - 20' above Salt Sands. Neat cement 1120' - 1110'.					
	SET A PERMANENT BRIDGE AT 300'. 2 sacks neat cement and 5' crushed stone on bridge. Filled with clay to surface.					
	Erected marker such as is described in Rule 18, 1931 Regulations.					

COAL SEAMS (NAME) (NAME) (NAME) (NAME)

DESCRIPTION OF MONUMENT
U. F. GAS CO.
J. B. KINGERY # 5
DATE OF ABANDONMENT

and that the work of plugging and filling said well was completed on the 21 day of April, 1949.

And further deponents saith not.

E. J. Elkins Jr.
Clyde Satterfield

Sworn to and subscribed before me this 21 day of April, 1949.

P. S. Young
Notary Public.

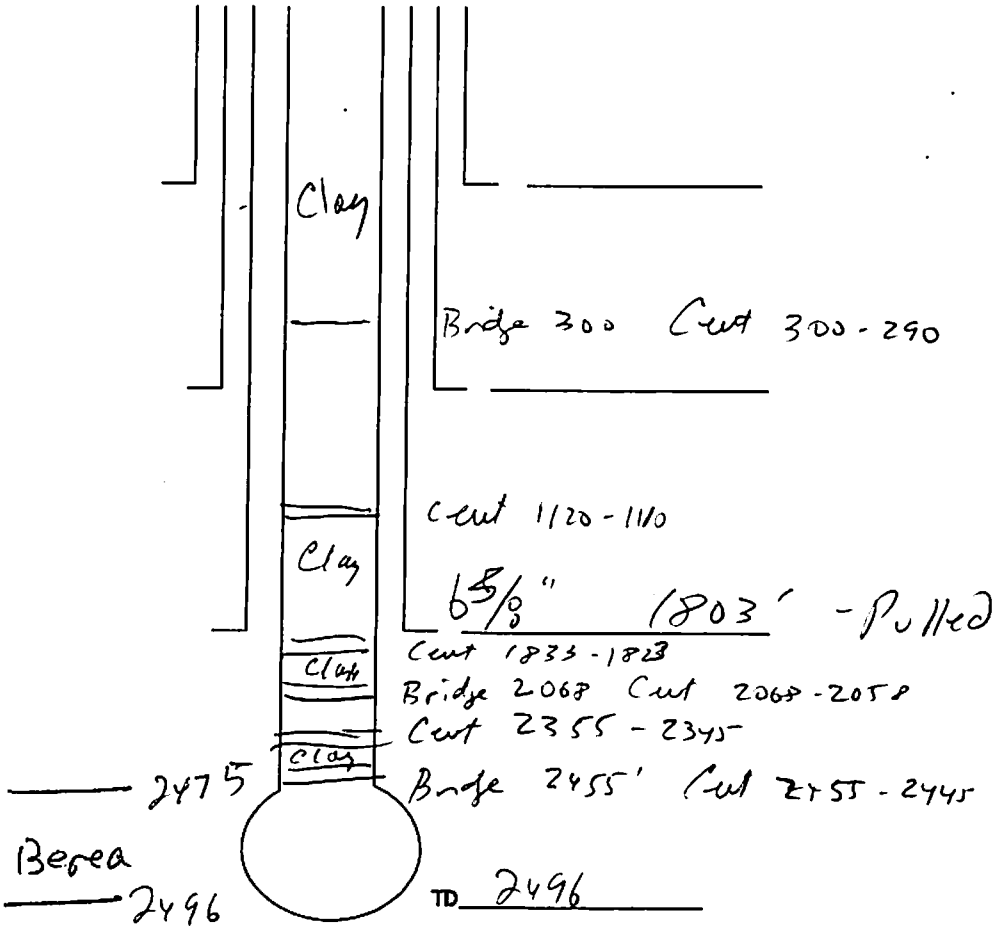
My commission expires: Apr 1, 1957

Permit No. LIN-668

JB Kingrey 5

Griffithsville Unit #2 Field

47-043- 30668



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30935 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 6

Farm Name: J B Kinsey

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2423

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,490 Northing: 4,233,930

Elevation: 280'

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47.043 - 30737

47-043-30939

RECORD of Well No. 6 on J. B. Hagerty Farm ____ Acres ____

Field, ____ District ____ County ____

Rig Commenced ____ 19__, Completed ____ 19__

Drilling Commenced April 15 1912, Completed June 4 1912

Cost per foot, 11¢ Contractor Hawkey & Trimmer Dist. Address, Hawkey, W. Va.

Drillers' Names Geo. Leslie and Dan Rogers

CONDUCTOR AND CASING USED IN DRILLING

Conductor	12 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4½ Inch
16		16				1723				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	12 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4½ Inch
16						1723				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
6/3/12	80 qts.	2nd Shot 6/19/12	1504 ft.	

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		16	16	El = 92
Sand	16	20	4	
Slate	20	200	180	3 Salon water 163'
Sand	200	250	50	
Slate	250	325	75	
Sand	325	370	45	
Coal	370	373	3	370' 10" hole
Slate	373	380	7	
Sand	380	500	120	
Slate	500	640	140	
Sand	640	700	60	
Slate	700	790	90	
Sand	790	850	60	
Slate	850	900	50	
Sand	900	1005	105	
Slate	1005	1020	15	
Salt Sand	1020	1670	650	Big water 1095'
Little Lime	1670	1705	35	Cased 10' in Lime
Big Lime	1705	1913	208	
Big Injun	1913	1973	60	
Berea Sand	2403	2423	20	

47-043-30939

FORM GG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER — NAME OF WELL OPERATOR: C.S. H. Supply Company

ADDRESS — COMPLETE ADDRESS: c/o Hallie Pack, Hamlin, West Virginia

COAL OPERATOR OR OWNER — WELL AND LOCATION: December 15, 19 50

ADDRESS — District: Duval

LEASE OR PROPERTY OWNER — County: Lincoln

ADDRESS — Well. No. 6

Farm: J. B. Kingrey

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA, } ss:
County of Lincoln }

Frank Pack and Clyde Satterfield being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 22 day of November, 19 50, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
	Bridge Set At	2383'		7"	1723'	None
	Neat Cement	2383'	2373'	5-3/16"	1409'	None
	Crushed Stone	5'		2"	2417'	None
	Clay		1753'			
	Neat Cement	1753'	1743'			
	Crushed Stone	5'				
	Bridge Set At	1540'				
	Neat Cement	1540'	1530'			
	Crushed Stone	5'				
	Clay		1000'			
	Neat Cement	1000'	990'			
	Crushed Stone	5'				
	Bridge Set At	550'				
	Neat Cement	550'	540'			
	Crushed Stone	5'				
COAL SEAMS	Clay to Surface			DESCRIPTION OF MONUMENT		
(NAME)				Erected Marker According		
(NAME)				Rule 18, 1931 Regulations		
(NAME)						
(NAME)						

DEC 1950 — W. VA. DEPT. OF MINES

and that the work of plugging and filling said well was completed on the 2 day of December, 19 50.

And further deponents saith not.

Frank Pack
Clyde Satterfield

Sworn to and subscribed before me this 21 day of December, 1950.

J. S. Lawson
Notary Public.

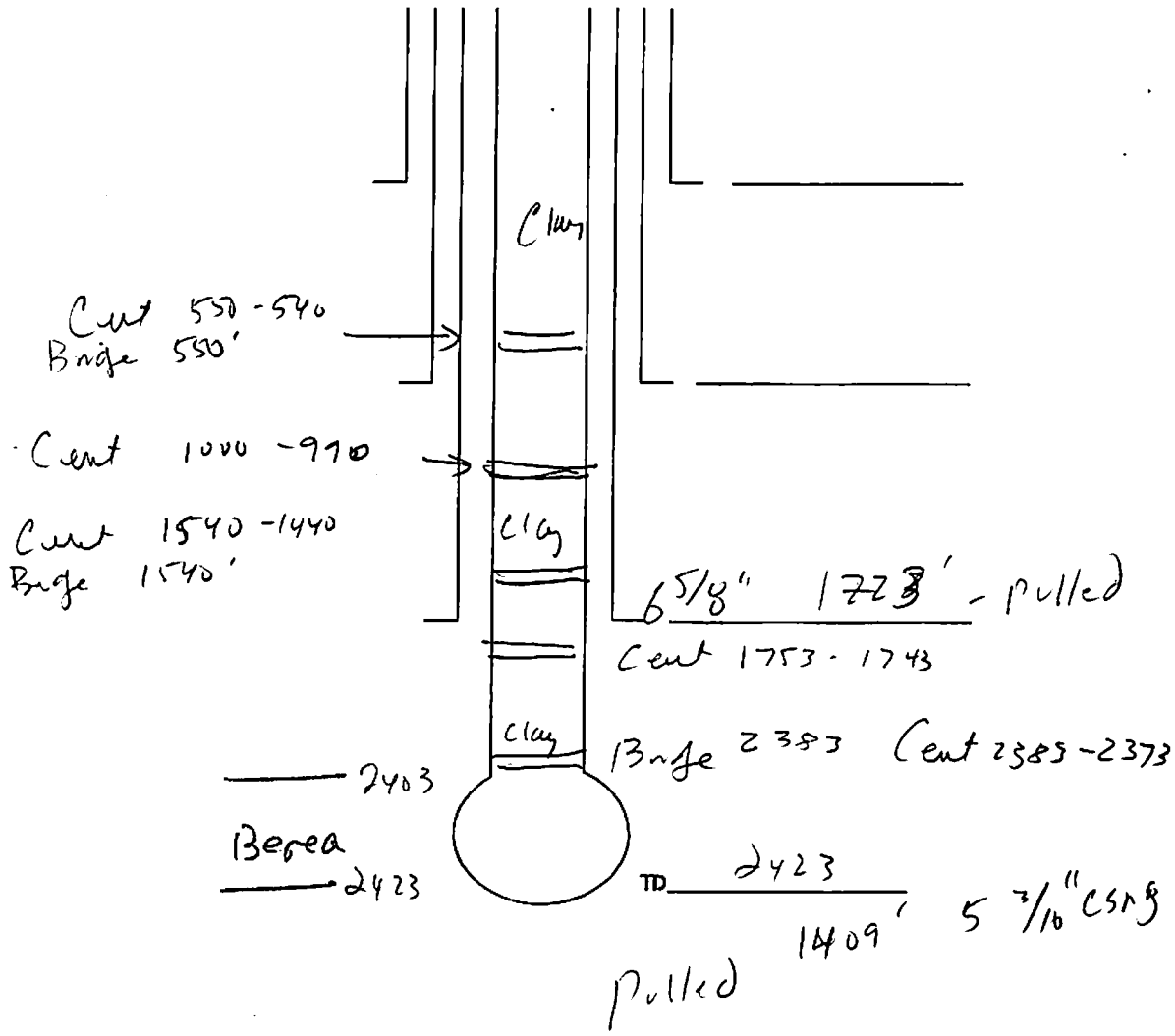
Permit No. LIN-939

My commission expires: April 1, 1957

J B Kinsey 6

Griffithsville Unit #2 Field

47-043- 30939



From Drillers Records/Plugging Records

212

WVDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

API Number: 47- 043 - 30680
Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 7
Farm Name: J B Kinsey
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2507
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,482 Northing: 4,234,225
Elevation: 308
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30680

30680

RECORD of Well No. 7 on H. B. Simpson Farm ..... Acres .....
Gabell Field, Doddridge District Clay Creek County .....
Drilling Commenced ..... 19..., Completed ..... 19....
Drilling Commenced March 8 1916, Completed April 15 1916
Cost per foot, 11½ Contractor Boone Drilling Co. Address, Clarksburg, W. Va.
Drillers' Names J. D. Davis & A. M. Johnson

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4½ Inch
16						1820				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4½ Inch
16						1820				

OIL WELL — GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
4/17/16	80 qts									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		16	16	El. 9
White & Red Rock	16	130	114	
Sand	130	145	15	
Slate	145	200	55	
Sand	200	280	80	Reduced hole from 10" to 8"
Slate	280	310	30	at 450'
Sand	310	360	50	
Slate	360	390	30	
Sand	390	460	70	
Slate	460	500	40	
Sand	500	590	90	
Slate	590	605	15	
Sand	605	705	100	
Slate	705	725	20	Hole full Show Gas
Sand	725	800	75	at 1190
Slate	800	825	25	
Sand	825	900	75	
Slate	900	965	65	
Sand	965	1015	50	
Slate	1015	1045	30	
Sand	1045	1100	55	
Slate	1100	1120	20	
Salt Sand	1120	1775	655	
Slate	1775	1783	8	
Black lime	1783	1811	28	
Pencil Cave	1811	1815	4	
Big lime	1815	1890	175	
Keener Sand	1890	2030	40	
Slate & Shells	2030	2463	433	
Brown Shale	2463	2484	21	
Pencil Cave	2484	2507	23	

47-043-30680

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER: _____
ADDRESS: _____
COAL OPERATOR OR OWNER: _____
ADDRESS: _____
LEASE OR PROPERTY OWNER: _____
ADDRESS: _____

NAME OF WELL OPERATOR: United Fuel Gas Company
COMPLETE ADDRESS: Charleston, W. Va.
WELL AND LOCATION: May 10, 19 49
Duval District
Lincoln County
Well No. 7
J. B. Kingery Farm

STATE INSPECTOR SUPERVISING PLUGGING: D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Clyde Satterfield and E. J. Elkins being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. H. Adkins well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 29th day of April, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
SET A PERMANENT BRIDGE AT 2464' - 20' above Berea Sand. 2 sacks neat Cement and 5' crushed stone on bridge. Filled with clay to 2361'.						
Neat Cement 2361' - 2354'.						
SET A PERMANENT BRIDGE AT 2060' - 30' below Big Injun. 2 sacks neat Cement and 5' crushed stone on bridge. Filled with clay to 1850' - 30' below						
6-5/8" casing Neat Cement 1850' - 1840'. 5' crushed stone on cement plug.						
PULLED 6-5/8" CASING AS BALANCE OF HOLE WAS FILLED AND PLUGGED.						
Continued filling with clay to 1100' - 20' above Salt Sands. Neat						
Cement 1100' - 1090'.						
SETA PERMANENT BRIDGE AT 350', 2 sacks neat cement and 5' crushed stone						
on bridge. Filled with clay to surface.						
Erected a marker such as is described in Rule 18, 1931 Regulations.						

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	U. F. GAS CO.
(NAME)	J. B. KINGERY # 7
(NAME)	DATE OF ABANDONMENT
(NAME)	

and that the work of plugging and filling said well was completed on the 3 day of May, 19 49.

And further deponents saith not.

E. J. Elkins Jr.
Clyde Satterfield

Sworn to and subscribed before me this 1 day of June, 19 49.

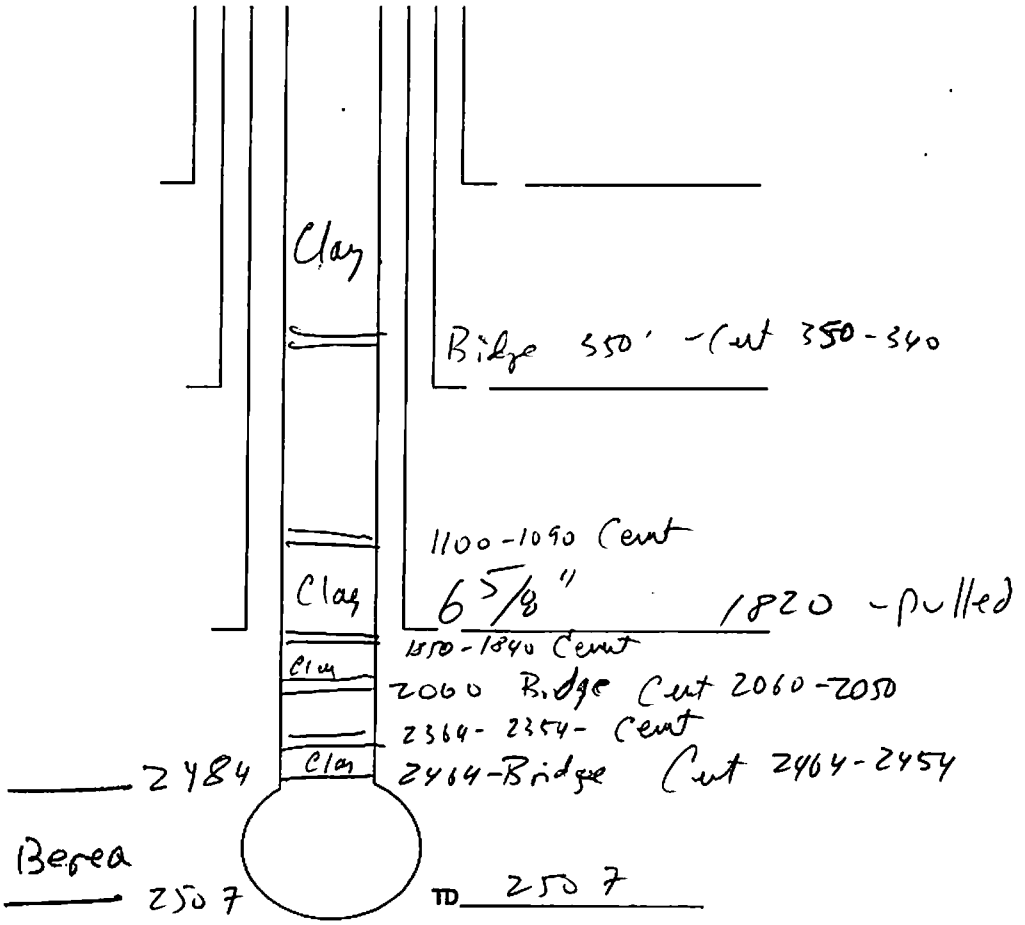
J. D. Lewis
Notary Public.
Permit No. LIN-680

My commission expires:
April 1, 1957

J B Kingery 7

Griffithsville Unit #2 Field

47-043- 30680



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(213)

AOR - Well Review Checklist

API Number: 47- 043 - 30948 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 8

Farm Name: J B Kingery

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2491

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,470 Northing: 4,234,078

Elevation: 305

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043 - 30948

RECORD of Well No. 8 on J.B. Kingery Farm Acres

Field, District County

Rig Commenced 19, Completed 19

Drilling Commenced April 24 19 16 Completed May 31 19 16

Cost per foot, 11¢ Contractor, Boone Drilling Co. Address, Stanley, Wyo.

Drillers' Names J.H. Haines, A.M. Shanblek, A.L. Norris.

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5¾ Inch	5 3-16 Inch	4½ Inch
16				470		1795				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5¾ Inch	5 3-16 Inch	4½ Inch
16						1795				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
June 2/16	80 qts.			

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		16	16	El-
Red Rock	16	56	40	
Slate	56	156	100	
Sand	156	230	74	
Slate	230	276	46	
Sand	276	370	94	
Slate	370	400	30	
Sand	400	465	65	
Slate	465	485	20	
Sand	485	585	100	Hole full Salt Water at 1180'
Slate	585	625	40	
Sand	625	705	80	
Slate	705	770	65	
Sand	770	860	90	
Slate	860	910	50	
Sand	910	985	75	
Slate	985	1045	60	
Sand	1045	1085	40	
Slate	1085	1100	15	
Salt Sand	1100	1725	625	
Slate	1725	1740	15	
Little Lime	1740	1775	35	
Pencil Cave	1775	1785	10	
Big Lime	1785	1965	180	
Big Injun	1965	2015	50	
Slate	2015	2075	60	
Shells	2075	2235	160	
Slate	2235	2451	216	
Brown Shale	2451	2471	20	
Berea Grit	2471	2491	20	

47.043 - 30948

OGM 66-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

NAME OF WELL OPERATOR: G. S. H. Supply Company

COMPLETE ADDRESS: c/o Hallie Pack, Hamlin, West Virginia

WELL AND LOCATION

January 2, 19 51

Duval District

Lincoln County

Well No. 8

J. B. Kingrey Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Lincoln } ss:

Frank Clark and Kyle Roberts being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 23 day of December, 19 50, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Bridge Set At	2451'		2"	2485'	None
	Neat Cement	2451'	2443'	5-3/16"	1826'	None
	Crushed Stone	5'		6-5/8"	1651'	144'
	Clay		1825'			
	Neat Cement	1825'	1815'			
	Crushed Stone	5'				
	Bridge Set At	1600'				
	Neat Cement	1600'	1590'			
	Crushed Stone	5'				
	Clay		1080'			
	Neat Cement	1080'	1060'			
	Crushed Stone	5'				
	Bridge Set At	350'				
	Neat Cement	350'	340'			
	Crushed Stone	5'				
COAL SEAMS	Clay to Surface			DESCRIPTION OF MONUMENT		
(NAME)				Erected Marker According Rule 18, 1931 Regulations		
(NAME)						
(NAME)						
(NAME)						

and that the work of plugging and filling said well was completed on the 29 day of December, 19 50.

And further deponents saith not.

Frank Clark
Kyle Roberts

Sworn to and subscribed before me this 4 day of January, 19 51.

Notary Public.

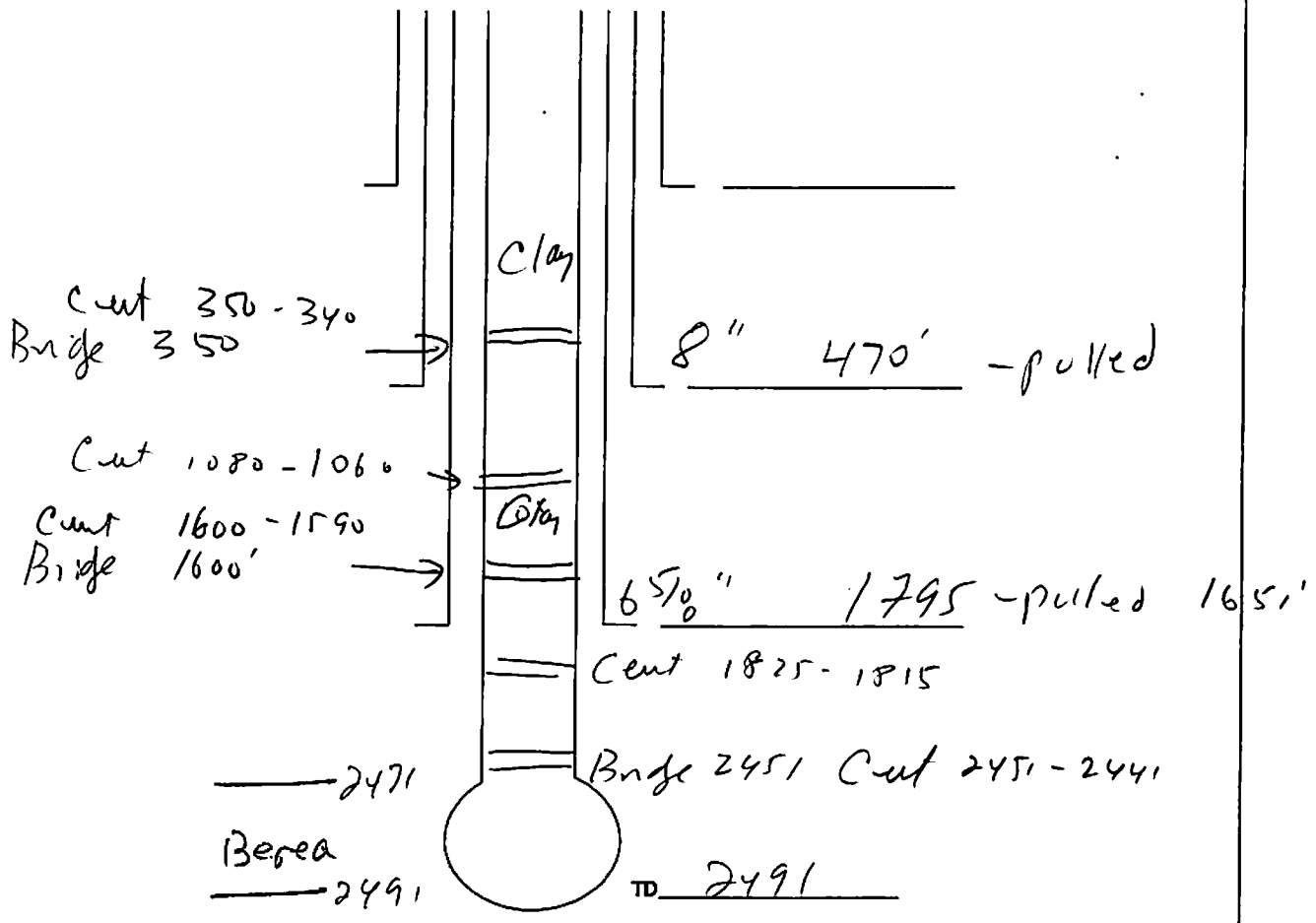
Permit No. LIN-948

My commission expires:
April 4, 1957

J R Kingery #

Griffithsville Unit #2 Field

47-043- 30948



, 5 3/16" csng

From Drillers Records/Plugging Records

1826

Pulled

WVDEP OOG Internal Use Only
Rev. 6/14/16

714

AOR - Well Review Checklist

API Number: 47- 043 - 30882 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 1

Farm Name: A 6 Laurence

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2590

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,117 Northing: 4,234,962

Elevation: 298

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

47-043-30882

Oil or Gas Well _____ (KIND)

Permit No. _____

Company United Fuel Gas Co.
Address Charleston, West Va.
Farm A. G. Lawrence Acres _____
Location (waters) Valley Fork
Well No. #1 Elev. _____
District Duval County Lincoln
The surface of tract is owned in fee by A. G. Lawrence
Address Griffithsville,
Mineral rights are owned by Same
Address _____
Drilling commenced 7-14-1909
Drilling completed 9-7-1909
Date Shot Shot with 210 quarts From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
Wa.	1886'	1886'	Depth set
8			
5 3/16			Perf. top
3			Perf. bottom
2	2590'	2590'	Perf. top
Liners Used			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
			0	150			
Red Rock			150	175			
Sand			175	210			
Slate			210	225			
Sand			225	250			
Slate			250	335			
Red Rock			335	460			
Sand			460	540			
Lime			540	580			
Slate			580	640			
Sand			640	650			
Slate			650	710			
Sand			710	1230			
Slate			1230	1855			
Salt Sand			1855	1880			
Little Lime			1880	1885			
Pencil Cave			1885	2070			
Big Lime			2070	2142			
Big Injun			2142	2212			
Slate			2212	2307			
Lime Stone			2307	2570			
Slate			2570	2590½			--- total depth
Berea Sand							



(Over)

DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL 47-043-30882

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

United Fuel Gas Company
NAME OF WELL OPERATOR

Charleston, West Va.
COMPLETE ADDRESS

Dec. 29, 1948 19
WELL AND LOCATION

Duval District

Lincoln County

Well No. 1

A. G. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

E. J. Elkins and Clyde Satterfield being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. H. Adkins, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 14 day of Dec., 19 48., and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CSG LEFT IN
Berea: Set bridge 20' above Berea at 2550'. Filled hole 110' with non-porous material. Set 10' Cement plug on same, sealing off Berea Sand. (2 sacks cement and 5' crushed stone on bridge.). Lime: Injun: - Set bridge 30' below Big Injun Sand at 2172'. Filled hole through Big Injun and Big Lime with non-porous material. Set 10' Cement plug on same 1916' to 1906' being 30' below pipe sealing off Big Injun and Big Lime. (2 Sxs. Cement & 5' crushed stone on same.) Salt Sand: Filled hole from 1906' with non-porous material to 20' above top of salt sand - Set 10' cement plug on same at 1210' to 1200', sealing off salt sand. (2 sxs Cement & 5' crushed stone on same) Filled hole as pipe was removed. Open hole to 200' - Set bridge and 10' cement plug on same at 200' to 190'. Filled hole with non-porous material to surface- Set cement marker 12" X 12" X 30" marking date of abandonment.						

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
A. G. Lawrence #1
U. F. G. Co.
Abdt. 12/24/48

RECEIVED MAR 1949 WEST VIRGINIA DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 24 day of Dec., 19 48

And further deponents saith not.

E. J. Elkins
Clyde Satterfield

Sworn to and subscribed before me this 24 day of Dec., 19 48

J. [illegible]
Notary Public.

My commission expires:
April 1, 1957

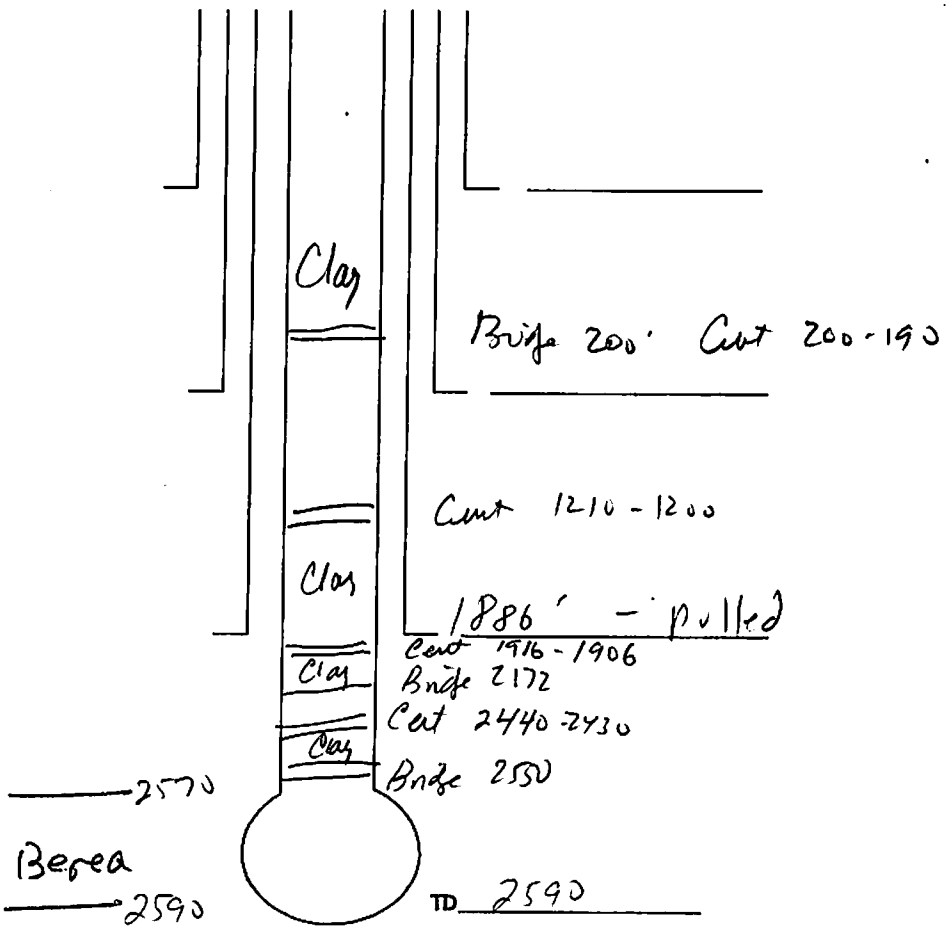
Permit No. L 560

LIN-560

A 6 Laurance #1

Griffithsville Unit #2 Field

47-043- 30882



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

(215)

API Number: 47- 043 - 30883 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 2

Farm Name: A 6 Laurance

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2487

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415,957 Northing: 4,234,978

Elevation: 303

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

47-043-30883

Oil or Gas Well _____ (KIND)

Permit No. _____

Company G. S. H. Supply Company
Address c/o Hallie Pack, Hamlin, West Virginia
Farm A. G. Lawrence Acres _____
Location (waters) _____
Well No. 1 Elev. 999-94
District Duval County Lincoln
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8¼			Depth set
6⅝	1902	1802	
5 3/16	1976	1976	Perf. top
3			Perf. bottom
2	1499	1499	Perf. top
Liners Used			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
			590	594			
Coal			1140	1707			
Salt Sand			1723	1732			
Maxon Sand			1760	1789			
Little Lime			1789	1794			
Pencil Cave			1794	1964			
Big Lime			1964	2020			
Big Injun			2444	2467			
Brown Shale			2467	2487			
Berea Sand							

JUL 1950
WEST VIRGINIA
DEPARTMENT OF MINES

(Over)

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30883

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

G. S. H. Supply Company
NAME OF WELL OPERATOR

c/o Hallie Pack, Hamlin, West Virginia
COMPLETE ADDRESS

September 19, 19 50
WELL AND LOCATION

Duval District

Lincoln County

Well No. 2

A. G. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA, }
County of Lincoln } ss:

Kelly Roberts and M. E. Pack being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 7 day of August, 19 50, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Bridge Set at		2467'		6 5/8"	711'	1091'
	Neat Cement	2467'	2457'	5½"	1925'	1'
	Crushed Stone	5'		2"	2468'	21'
	Red Clay to		1832'			
	Neat Cement	1832'	1822'			
	Crushed Stone	5'				
	Bridge at	1480'				
	Neat Cement	1480'	1470'			
	Crushed Stone	5'				
	Red Clay		1120'			
	Neat Cement	1120'	1110'			
	Crushed Stone	5'				
	Bridge At	700'				
	Neat Cement	700'	690'			
	Crushed Stone	5'				
	Red Clay		620'			
	Neat Cement	620'	565'			
	SealingCoal					
	Clay to Surface					

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	Erected Marker According
(NAME)	Rule 18, 1931 Regulations
(NAME)	
(NAME)	

SEP 1950 WEST VIRGINIA DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 8 day of September, 19 50.

And further deponents saith not.

Kelly Roberts

M. E. Pack

Sworn to and subscribed before me this 20 day of September 1950.

Notary Public.

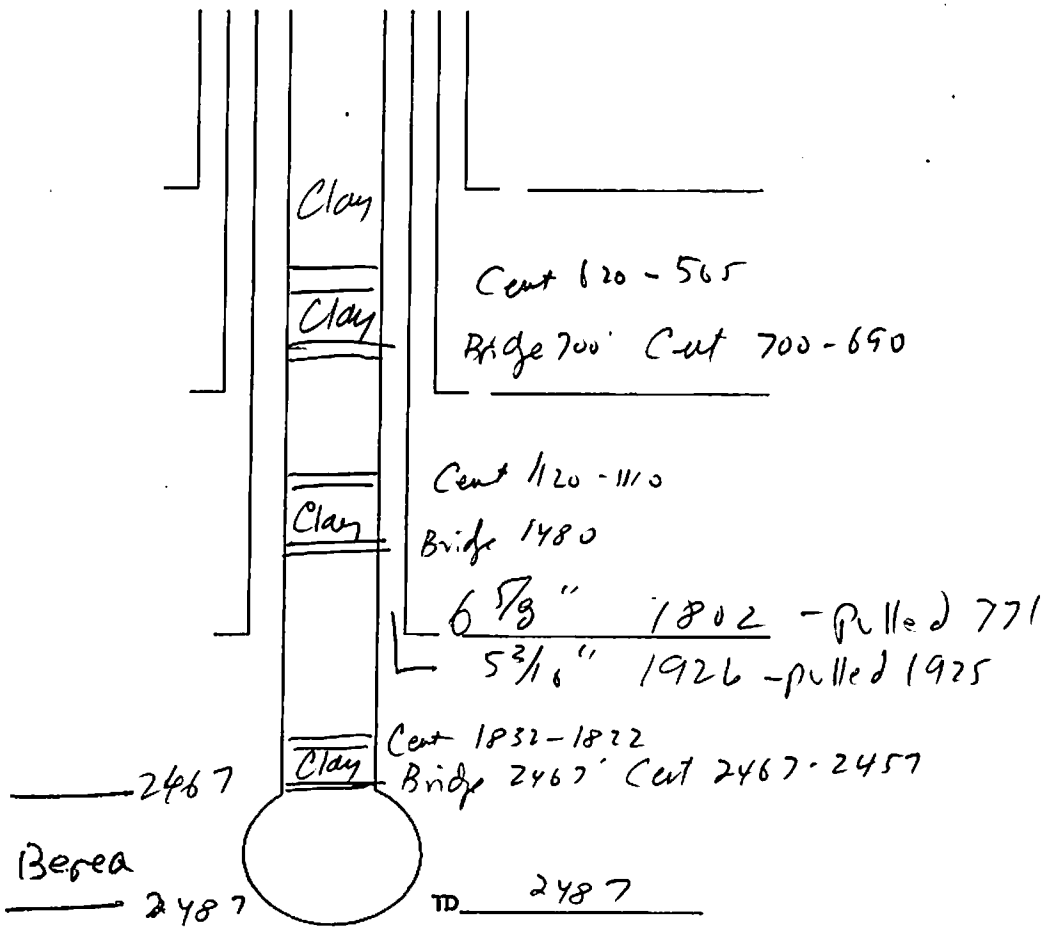
My commission expires: April 1, 1957

Permit No. LIN-883

A G Lawrence 2

Griffithsville Unit #2 Field

47-043- 30883



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(216)

AOR - Well Review Checklist

API Number: 47- 043 - 30997 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: A 6 Laurare

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2525

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415,927 Northing: 4,235,179

Elevation: 254

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

47-043-30997

Oil or Gas Well _____ (KIND)

Permit No. _____

Company P. J. & L. Supply Company
Address c/o Hallie Pack, Hamlin, West Virginia
Farm A. G. Lawrence Acres _____
Location (waters) _____
Well No. 3 Elev. _____
District Duval County Lincoln
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8¼			
6⅝	1624'		Depth set
5 3/16	1664'		
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Salt Sand			973	1546			
Little Lime			1586	1616			
Pencil Cave			1616	1624			
Big Lime			1624	1808			
Big Injun			1808	1856			
Black Lime			1954	2040			
Berea Sand			2299	2320			
Water				95			
Total Depth				2325			

FEB 1951
WEST VIRGINIA
DEPARTMENT OF MINES

(Over)

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 47-043-30997

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

P. J. & L. Supply Company
NAME OF WELL OPERATOR
c/o Hallie Pack, Hamlin, West Virginia
COMPLETE ADDRESS
April 9, 19 51
WELL AND LOCATION
Duval District
Lincoln County
Well. No. 3
A. G. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Roy Thompson and Kelly Roberts being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 14 day of February, 19 51, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Bridge Set At	2279'		7"	1624'	None
	Neat Cement	2279'	2269'	2"	2325'	None
	Crushed Stone	5'		5-3/16" None in well		
	Clay		1654'			
	Neat Cement	1654'	1644'			
	Crushed Stone	5'				
	Bridge Set At	1500'				
	Neat Cement	1500'	1490'			
	Crushed Stone	5'				
	Clay		953'			
	Neat Cement	953'	943'			
	Crushed Stone	5'				
	Bridge Set At	350'				
	Neat Cement	350'	340'			
	CrushedStone	5'				
	Clay to Surface					

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
Erected Marker According Rule 18, 1931 Regulations

4 MAY 1951 WEST VIRGINIA DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 21 day of February, 1951.

And further deponents saith not.

Roy Thompson
Kelly Roberts

Sworn to and subscribed before me this 30 day of April, 1951.

Notary Public.

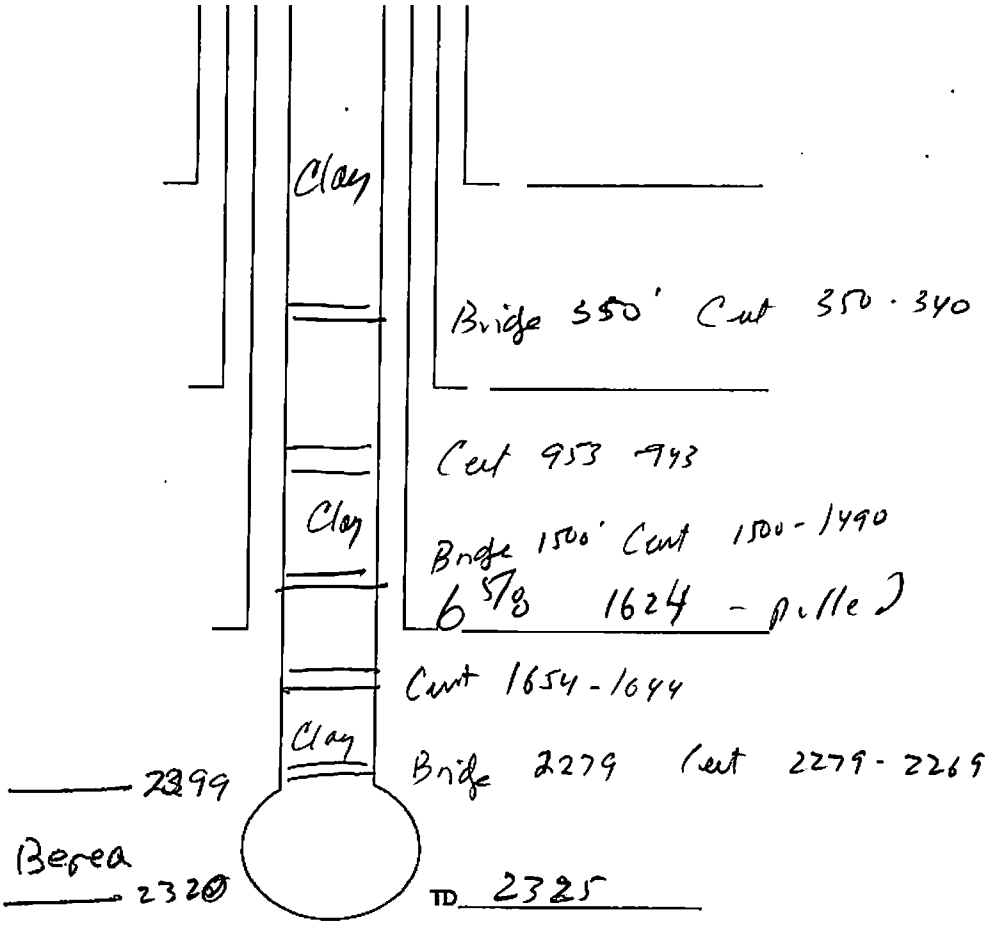
My commission expires:
~~My Commission Expires March 10, 1959~~

Permit No. LIN-997

A & Laurace 3

Griffithsville Unit #2 Field

47-043- 30997



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(27)

AOR - Well Review Checklist

API Number: 47- 043 - 30884 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 4

Farm Name: A G Lawrence

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2294

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,139 Northing: 4,235,173

Elevation: 267

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

47-043-3084

Oil or Gas Well _____ (KIND)

Permit No. _____

Company G. S. H. Supply Company
Address c/o Hallie Pack, Hamlin, West Virginia
Farm A. G. Lawrence Acres _____
Location (waters) _____
Well No. 4 Elev. 794.95
District Duval County Lincoln
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8¼	1607	1607	Depth set
6⅝			
5 3/16			Perf. top
3	1797	1797	Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Salt Sand		940	1550				
Little Lime		1550	1584				
Pencil Cave		1584	1592				
Big Lime		1592	1766				
Big Injun		1766	1806				
Brown Shale		2252	2272				
Berea Sand		2272	2294				

JUL 1950
WEST VIRGINIA
DEPARTMENT OF MINES

(Over)

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30884

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

G. S. H. Supply Company
NAME OF WELL OPERATOR
c/o Hallie Pack, Hamlin, West Virginia
COMPLETE ADDRESS

August 7, 19 50

WELL AND LOCATION

Duval District
Lincoln County
Well No. 4
A. C. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Hal Pack and W.C. Pack being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 16 day of July, 19 50, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CASING CSG LEFT IN
Bridge Set At		2274'				
	Cement	2274'	2264'			
	Crushed Stone	5'				
	Clay to	1632'				
	Neat Cement	1632'	1622'			
	Bridge at	1350'				
	Cement	1350'	1340'			
	Crushed Stone	5'				
	Clay to	920'				
	Neat Cement	920'	910'			
	Crushed Stone	5'				
	Bridge At	400'				
	Cement	400'	390'			
	Crushed Stone	5'				
	Clay to Surface					

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
Erected Marker According Rule 18, 1931 Regulations

RECEIVED AUG 1950 WEST VIRGINIA DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 30 day of July, 19 50.

And further deponents saith not.

Hal Pack
W.C. Pack

Sworn to and subscribed before me this 9 day of Aug., 19 50

Notary Public.

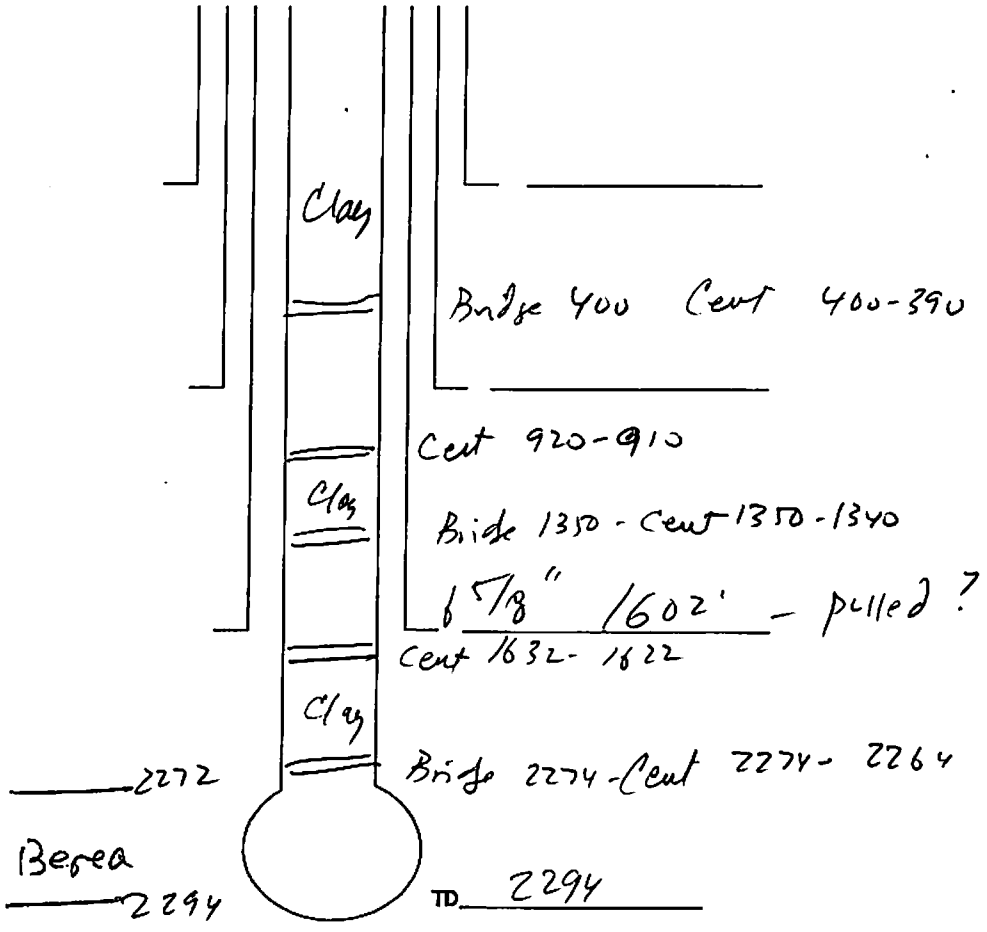
My commission expires:
April 1, 1957

Permit No. Lin-484

A G Lawrence 4

Griffithsville Unit #2 Field

47-043-30884



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

718

AOR - Well Review Checklist

API Number: 47- 043 - 02133 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 5
Farm Name: A 6 Lawrence
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2369
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,793 Northing: 4,235,080
Elevation: 264
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

FARM A. G. Lawrence — WELL (5) — ACRES — LEASE NO.

TOWNSHIP OR DISTRICT Duval — COUNTY Lincoln — STATE W. Va. — N. S. 80 E. M.P. 1264 W.

RIG COMMENCED — 19 — COMPLETED — 19 — CONTRACTOR

DR'G COMMENCED July 30 — 19 10 — COMPLETED Sept. 12 — 19 10 — CONTRACTOR G.L. Titus & Co.,

D. D. COMMENCED — 19 — COMPLETED — 19 — CONTRACTOR

FORMATION

KIND	TOP	BOTTOM	STEEL LINE MEASUREMENT	REMARKS
Sand	225	265		
Slate & Shell	265	344		
Sand	344	865		
Slate & Lime	865	960		
Sand	960	988		
Salt sand	1023	1608		
Slate	1608	1624		
Little lime	1624	1648		
Pencil cave	1648	1658		
Big lime	1658	1835		
Big Injun	1835	1895		
Black lime	1973	2063		
Berea sand	2348	2369		
Total depth		2369		
Gas	1070			
Big water	1123			

TOTAL DEPTH

CASING RECORD

SIZE	BOTTOM CASING (STEEL LINE)	PUT IN WELL (TALLY MEAS.)	PULLED (TALLY MEAS.)	LEFT WHEN
6-5/8	1702			
5 3/16		1231'		
4 1/2		1419'	5-11-73	
2 1/16	2369			
3 1/2	3900			

PACKERS

KIND	SIZE	DEPTH SET	DAT

TORPEDO RECORD

DATE SHOT	NO. QTS.	SIZE SHELL	TOP SHOT	BOTTOM	RES
9-12-10	60				
10-4-10	140				
10-26-10	300				

ABANDONMENT RECORD

FILLED WITH	FROM	TO	SIZE	PLUG KIND	DEPT

47-043-02133

REMARKS

5/11-73

Pulled 5 3/16" Casing hung on packer used as liner, No depth noted,

PRODUCTION RECORD

24 HOURS BEFORE SHOT — SAND — BBLS.

24 HOURS AFTER SHOT — SAND — BBLS.

GAS TEST

APPROVED BY

WR-38
Rev. 5/08

API# 47- 043 - 2133

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm Name: A.G. Lawrence — Operator Well No.: No. 5
Location: Elevation: 872' — Quadrangle: Garrett's Bend 7.5'
District: Duval — County: Lincoln
Latitude: _____ Feet South of: _____ Deg. _____ Min. _____ Sec.
Longitude: _____ Feet West of: _____ Deg. _____ Min. _____ Sec.

Well Type: Oil X Gas _____ WIW _____

Company: HG Energy LLC
5260 Dupont Road
Parkersburg, WV 26101
Agent: Philip S. Ondrusek

Coal Operator or Owner: NA
Coal Operator or Owner: NA

Permit Issued: 9/25/12

AFFIDAVIT

State of West Virginia, County of Wood ss:

Mark Miller and Roger McComas being first duly sworn according to law, depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 27th day of January, 20 11 and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED		LEFT
Cement	2332'	2221' (Tag)	6 5/8"	0'	1702'
Cement	1827'	1652'	5 3/16"	1731'	0'
Cement	1010'	900'			
Cement	461'	350'			
Cement	109'	0'			
	Perforated 6 5/8" casing - 4 Shots 1000' - 900', 450' - 350' & 100' to Surface.				
6% Gel Between Cement Plugs					

Description of monument: 8 5/8" x 6' and that the work of plugging and filling said well was completed on the 23rd day of October, 20 12

And further deponents saith not. Mark Miller

Roger McComas

Sworn and subscribed before me this 24 day of November, 20 12

My commission expires: Nov. 12 2018

Notary Public Tina L Pethtel

Affidavit reviewed by the Office of Oil and Gas: Ralph D Triplett

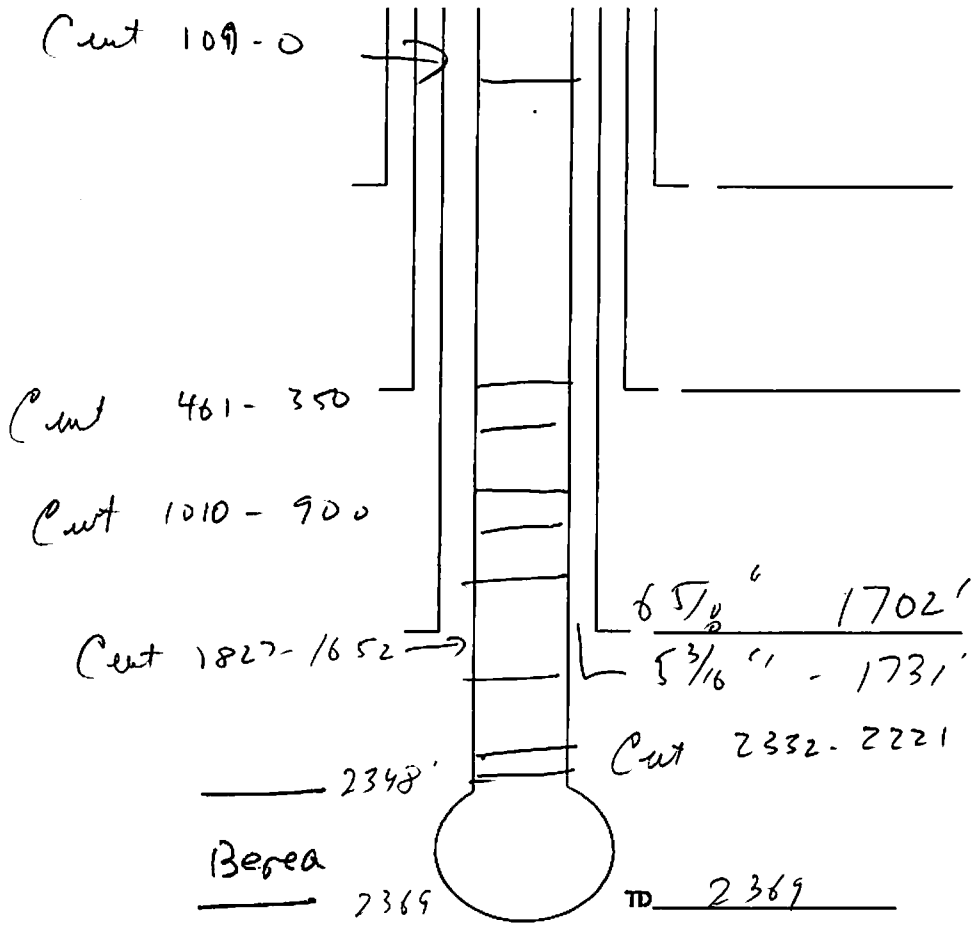
Title: District Inspector

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
TINA L. PETHTEL
HG Energy, LLC
5260 Dupont Road
Parkersburg, West Virginia 26101
My Commission Expires Nov. 12, 2018

A 6 Lawrence 5

Griffithsville Unit #2 Field

47-043- 02133



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(219)

AOR - Well Review Checklist

API Number: 47- 043 - 30285 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: #1
Farm Name: GT Lawver
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2491
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,524 Northing: 4,234,669
Elevation: 301
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

OG-10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30885

WELL RECORD

Oil or Gas Well _____ (KIND)

Permit No. _____

Company G. S. H. Supply Company
Address c/o Hallie Pack, Hamlin, West Virginia
Farm C. T. Lawrence Acres _____
Location (waters) _____
Well No. 1 Elev. 994.23
District Duval County Lincoln
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8¼	1797	1799	Depth set
6⅝			
5 3/16			Perf. top
3	1494	1494	Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

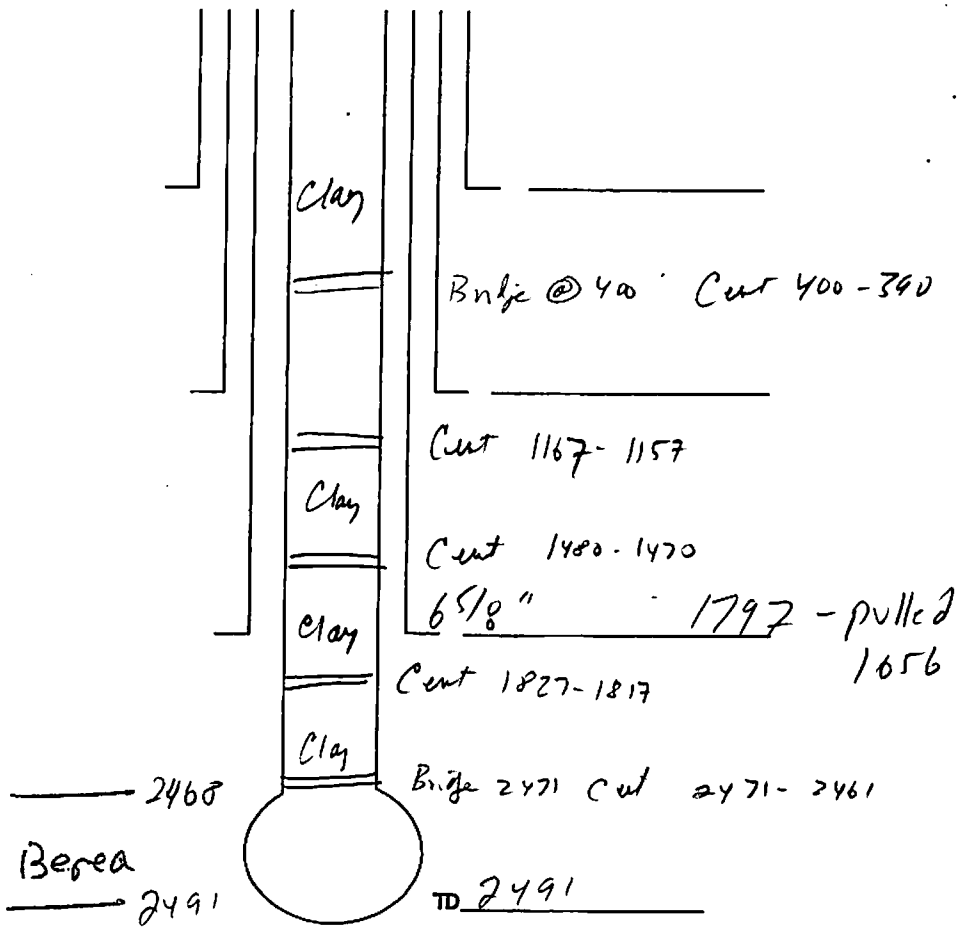
Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
			1187	1697			
Salt Sand			1703	1747			
Maxon Sand			1753	1787			
Little Lime			1787	1793			
Pencil Cave			1793	1933			
Big Lime			1933	2015			
Big Injun			2450	2463			
Brown Shale			2463	2491			
Berea Sand							

JUL 1950
WEST VIRGINIA
DEPARTMENT OF MINES

GT Lawrence 1

Griffithsville Unit #2 Field

47-043- 30885



From Drillers Records/Plugging Records

220

WVDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

API Number: 47- 043 - 30886 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 2
Farm Name: GT Lawance
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2520
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,370 Northing: 4,234,538
Elevation: 328
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

30286

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Oil or Gas Well _____ (KIND)

Permit No. _____

Company G. S. H. Supply Company
Address c/o Hallie Pack, Hamlin, West Virginia
Farm G. T. Lawrence Acres _____
Location (waters) _____
Well No. 7 Elev. 1011.95'
District Duval County Lincoln
The surface of tract is owned in fee by _____
_____ Address _____
Miners' rights are owned by _____
_____ Address _____
Drilling commenced _____
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8¼			
6¾	1916	1916	Depth set
5 3/16	2005'	2005'	
3			Perf. top
2	1 3-4"	1 3-4"	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Salt Sand			1220	1727			
Little Lime			1780	1810			
Pencil Cave			1810	1814			
Big Lime			1814	1968			
Big Injun			1968	2033			
Brown Shale			2482	2497			
Berea Sand			2497	2520			

JUL 1950
WEST VIRGINIA
DEPARTMENT OF MINES

(Over)

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

30886

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

G. S. H. Supply Company
NAME OF WELL OPERATOR

c/o Hallie Pack, Hamlin, West Virginia
COMPLETE ADDRESS

August 14, 19 50

WELL AND LOCATION

Duval District

Lincoln County

Well No. #2

G. T. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA, }
County of Lincoln } ss:

KELLY ROBERTS and CHARLES DENT being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 2 day of August, 19 50, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Bridge Set At		2500'				
	Cement	2500'	2490'			
	Crushed Stone	5'				
	Clay to	1846'				
	Neat Cement	1846'	1836'			
	Bridge Set At	1540'				
	Cement	1540'	1530'			
	Crushed Stone	5'				
	Red Clay	1200'				
	Neat Cement	1200'	1190'			
	Bridge Set At	400'				
	Cement	400'	390'			
	Crushed Stone	5'				
	Clay to Surface					

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	Erected Marker According
(NAME)	Rule 18, 1931 Regulations
(NAME)	
(NAME)	

and that the work of plugging and filling said well was completed on the 10 day of August, 1950.

And further deponents saith not.

Kelly Roberts
Charles Dent

Sworn to and subscribed before me this 29 day of Aug, 19 50.

Notary Public.

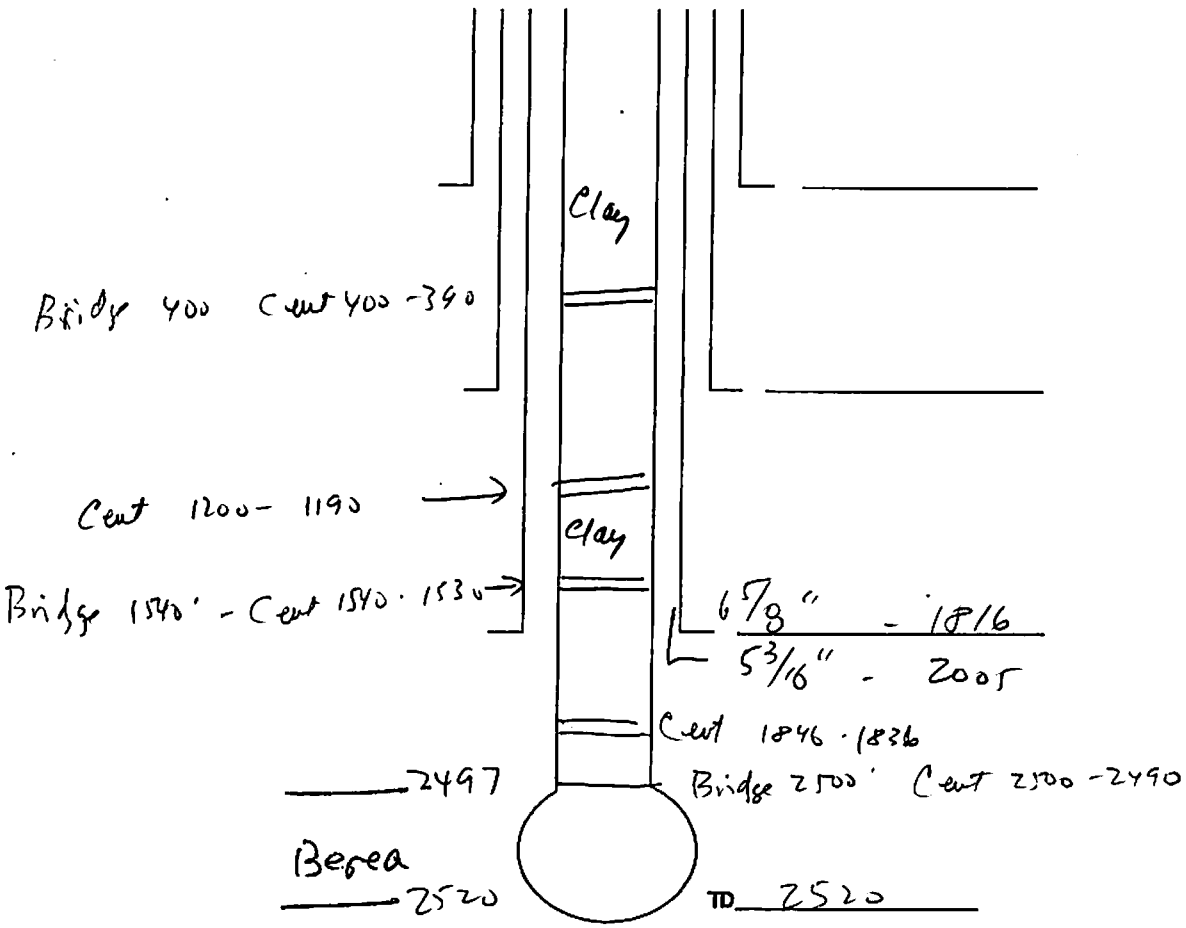
My commission expires:
Apr 1, 1957

Permit No. LIN-886

6T Laurance 2

Griffithsville Unit #2 Field

47-043- 30886



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

221

AOR - Well Review Checklist

API Number: 47- 043 - 30887 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: 6T Laurance

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2399'

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415,495 Northing: 4,234,835

Elevation: 263

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

30887

WELL RECORD

Permit No. _____ Oil or Gas Well _____ (KIND)

Company U. S. H. Supply Company
Address c/o Hallie Pack, Harlin, West Virginia
Farm U. T. Lawrence Acres _____
Location (waters) _____
Well No. 7 Elev. 901-41
District Duval County Lincoln
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10			Size of
8¼			
6⅝	1710	1710	Depth set
5 3/16	1939	1939	
3	2402	2402	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Salt Sand			1080	1575			
Little Lime			1665	1700			
Pencil Cave			1700	1710			
Big Lime			1710	1880			
Big Injun			1880	1935			
Berea Sand			2377	2399			

JUL 1950
WEST VIRGINIA
DEPARTMENT OF MINES

(Over)

47.043 - 30887

FORM OG-5

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
LEASE OR PROPERTY OWNER
ADDRESS

U. S. H. Supply Company
NAME OF WELL OPERATOR
c/o Hallie Pack, Hamlin, West Virginia
COMPLETE ADDRESS
September 12, 19 50

WELL AND LOCATION

Duval District
Lincoln County
Well. No. 3
G. T. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA, }
County of Lincoln } ss:

Hal Pack and Seymour Woodall being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 20 day of July, 19 50, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
		2379'		7"	1683'	None
Bridge Set At		2379'	2369'	5½"	1692'	None
	Cement	5'		2"	2405'	None
	Crushed Stone	1740'				
	Red Clay	1740'	1730'			
	Neat Cement	5'				
	Crushed Stone	1340'				
	Bridge	1340'	1330'			
	Neat Cement	1060'				
	Red Clay	1060'	1050'			
	Neat Cement	5'				
	Crushed Stone	400'				
	Bridge	400'	390'			
	Neat Cement	5'				
	Crushed Stone					
COAL SEAMS				DESCRIPTION OF MONUMENT		
(NAME)				Erected Marker According		
(NAME)				Rule 18, 1931 Regulations		
(NAME)						
(NAME)						

RECEIVED SEP 1950 WEST VIRGINIA DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 30 day of July, 19 50.

And further deponents saith not.

Hal Pack
Seymour Woodall

Sworn to and subscribed before me this 20 day of Sept., 19 50.

Notary Public.

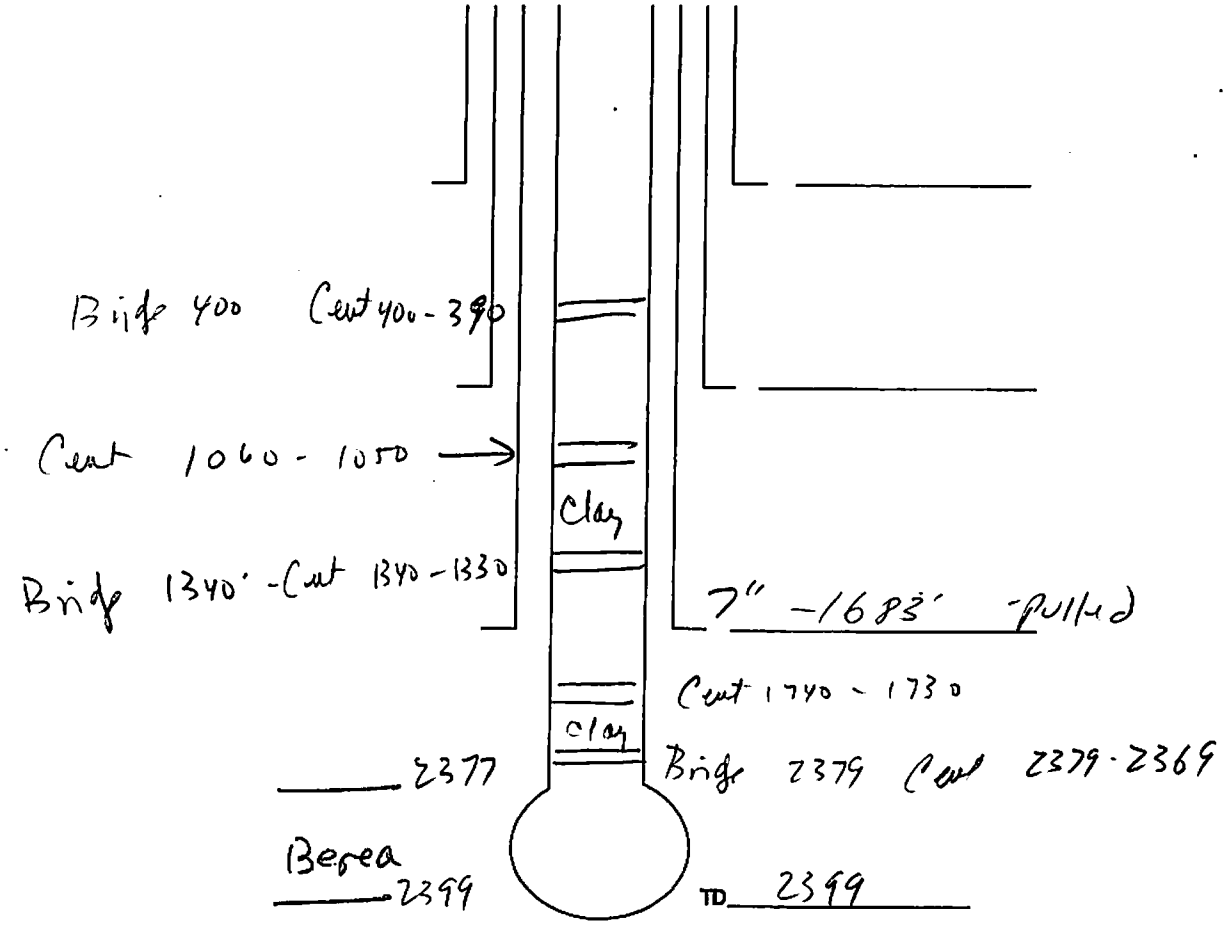
My commission expires: Apr. 1, 1957

Permit No. LIN-887

GT Laurance 3

Griffithsville Unit #2 Field

47-043- 30887



From Drillers Records/Plugging Records

Pulled 1692' 5 1/2" Csng

WVDEP OOG Internal Use Only
Rev. 6/14/16

(122)

AOR - Well Review Checklist

API Number: 47- 043 - 30993 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 4

Farm Name: 6T Lawrance

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (Non Waterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2490

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,316 Northing: 4,234,762

Elevation: 288'

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

09.10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30993

WELL RECORD

Oil or Gas Well (KIND)

Permit No.

Company P. J. & L. Supply Company
Address c/o Hallie Pack, Hamlin, West Virginia
Farm G. T. Lawrence Acres
Location (waters) Elev.
Well No. 4
District Duval County. Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by
Address
Drilling commenced
Drilling completed
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
Fresh water feet feet
Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8¼			Depth set
6⅝	1742		
5 3/16	1729		Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
				225			
Sand			225	1146			
Salt Sand			1146	1654			
Maxon Sand			1654	1701			
Little Lime			1701	1736			
Pencil Cave			1736	1740			
Big Lime			1740	1908			
Big Injun			1908	1976			
Berea Sand			2424	2447			
Total Depth				2450			



47-043-30993

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

P. I. & L. Supply Company
NAME OF WELL OPERATOR
c/o Hallie Pack, Hamlin, West Va.
COMPLETE ADDRESS
March 8, 19 51
WELL AND LOCATION
Duval District
Lincoln County
Well. No. 4
G. T. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Ray Thompson and Charles E. Dent being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 14 day of February, 19 51, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Bridge Set At	2430'		5-3/16"	1729'	None
	Neat Cement	2430'	2420'	7"	1350'	392'
	Crushed Stone	5'		2"	2450'	None
	Clay		1772'			
	Neat Cement	1772'	1762'			
	Crushed Stone	5'				
	Bridge Set At	1600'				
	Neat Cement	1600'	1590'			
	Crushed Stone	5'				
	Clay		1126'			
	Neat Cement	1126'	1116'			
	Crushed Stone	5'				
	Bridge Set At	300'				
	Neat Cement	300'	290'			
	Crushed Stone	5'				
COAL SEAMS	Clay to Surface			DESCRIPTION OF MONUMENT		
				Erected Marker According Rule 18, 1931 Regulations		

MAR 1951
WEST VIRGINIA
DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 28 day of February, 19 51.

And further deponents saith not.

Ray Thompson
Charles E. Dent

Sworn to and subscribed before me this 13 day of March, 19 51.

Davis C. Goslin
Notary Public.

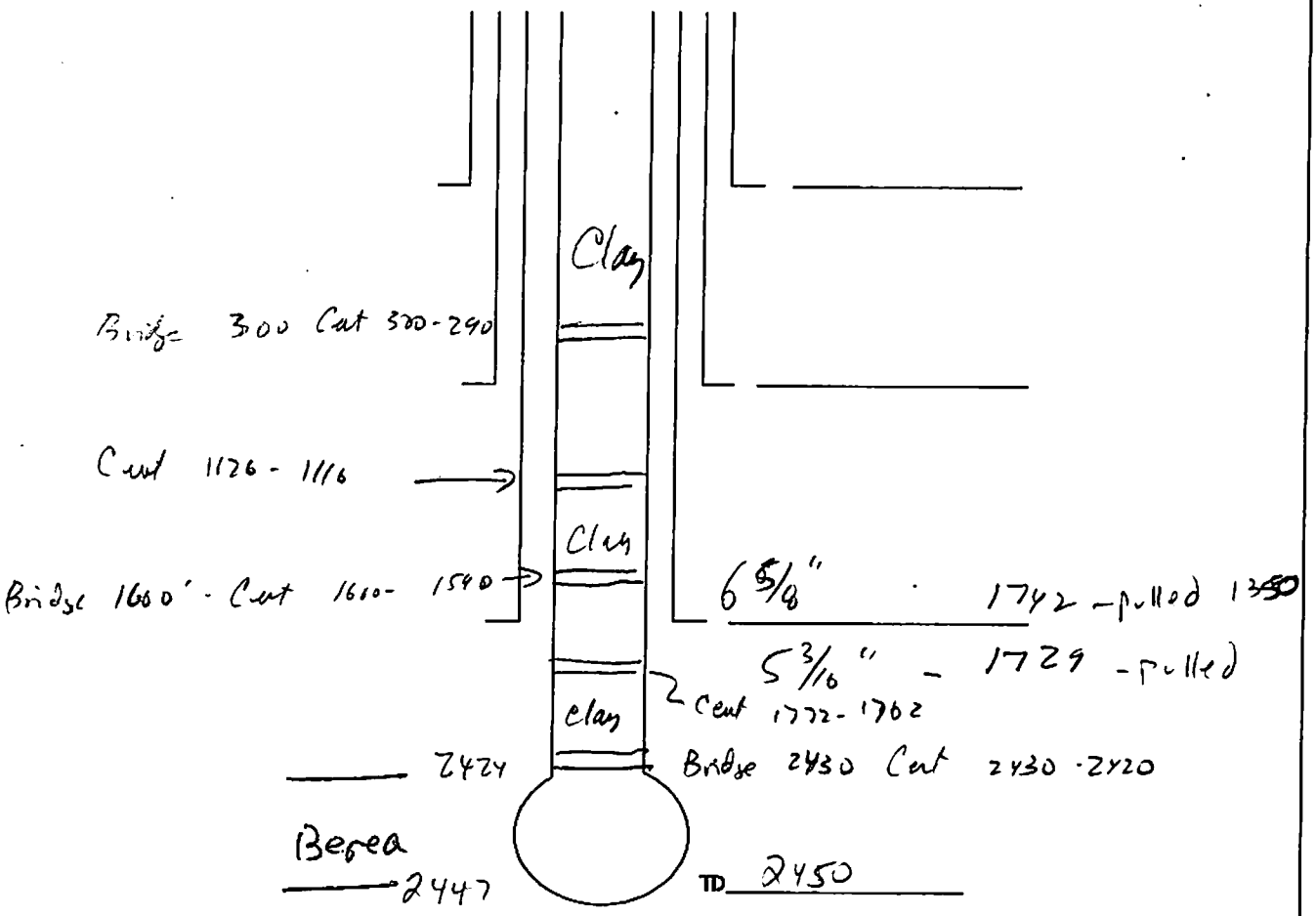
My commission expires: 10, 1953

Permit No. LIN-993

GT Lawrence 4

Griffithsville Unit #2 Field

47-043- 30993



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

223

API Number: 47- 043 - 30888 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 5
Farm Name: G T Lowrance
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2240
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,493 Northing: 4,235,030
Elevation: 924
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

OG-10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD 47-043-30888

Oil or Gas Well (KIND)

Permit No.

Company G. S. M. Supply Company
Address c/o Hallie Pack, Hamlin, West Virginia
Farm G. T. Lawrence Acres
Location (waters)
Well No. 5 Elev. 749.34
District Duval County Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by
Address
Drilling commenced
Drilling completed
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
Fresh water feet feet
Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8¼	1540	1640	Depth set
6⅝	1600	1600	
5 3/16			Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
			500	503			
Coal			602	606			
Coal			883	1457			
Salt Sand			1463	1480			
Maxon Sand			1492	1523			
Little lime			1523	1529			
Pencil Cave			1529	1702			
Big Lime			1702	1770			
Big Injun			2198	2219			
Brown Shale			2219	2240			
Berea Sand							

JUL 1950
WEST VIRGINIA
DEPARTMENT OF MINES

47-043 - 30888

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

NAME OF WELL OPERATOR: H. L. Lee Drilling Company

COMPLETE ADDRESS: c/o Hallie Pack, Hamlin, West Virginia

August 1, 19 50

WELL AND LOCATION

District: Duval

County: Lincoln

Well. No. 5

Farm: G. T. Lawrence

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Hal Pack and

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 18 day of July, 19 50, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATIONS	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Bridge Set At		2220'				
	Cement	2220'	2210'			
	Crushed Stone	5'				
	Clay to	1510'				
	Heat Cement	1510'	1500'			
	Crushed Stone	5'				
Bridge Set At		1250'				
	Cement	1250'	1240'			
	Crushed Stone	5'				
	Clay to	863'				
	Cement	863'	353'			
	Crushed Stone	5'				
Bridge Set At		700'				
	Cement	700'	690'			
	Crushed Stone	5'				
	Red Clay to	636'				
COAL SEAMS	Heat Cement	636	581	DESCRIPTION OF MONUMENT		
(NAME)	Red Clay	533		Erected Marker Accordin-		
(NAME)	Cement	533	476	Rule 13, DOI Regulations		
(NAME)	Sanding Off Cap					
(NAME)	Clay to Surface					

and that the work of plugging and filling said well was completed on the 23 day of July, 19 50

And further deponents saith not.

Hal Pack
W. C. Pack

Sworn to and subscribed before me this 4 day of August, 19 50

Notary Public.

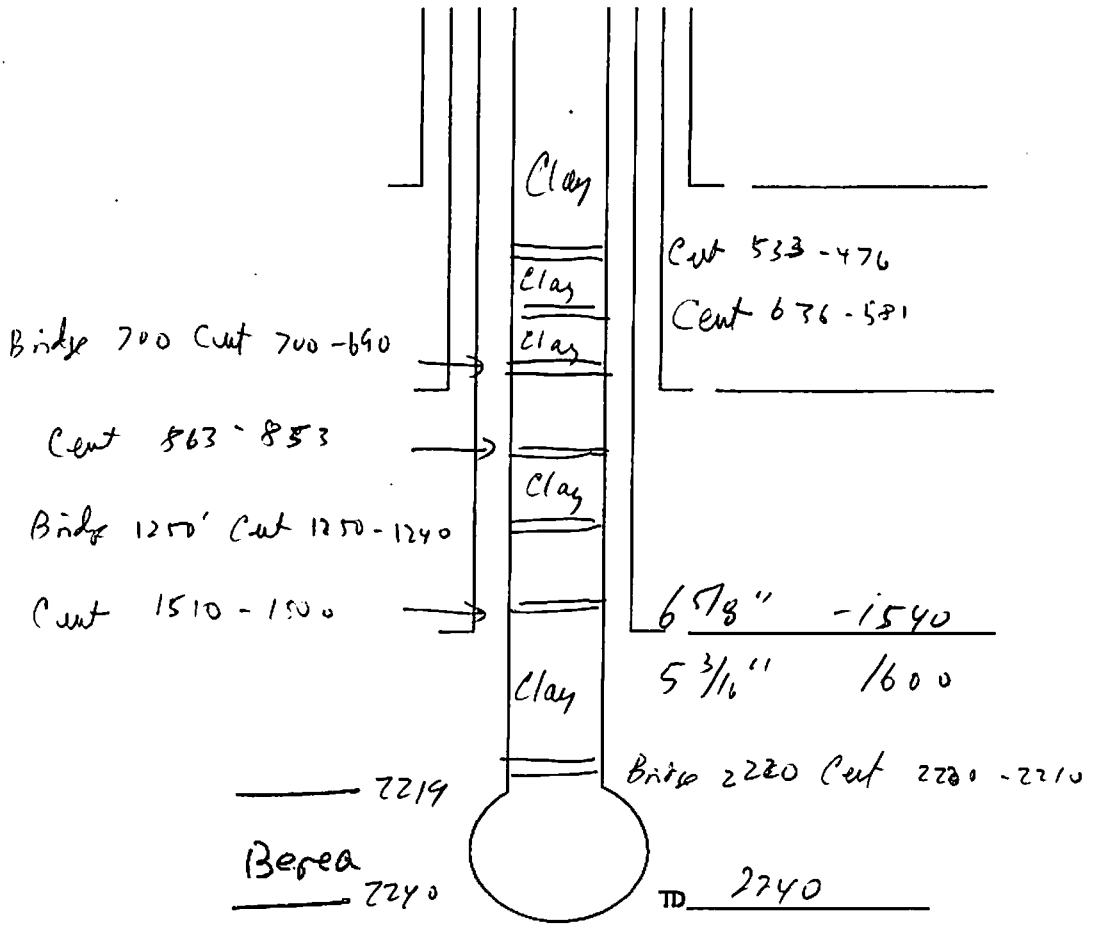
My commission expires: April 19-57

Permit No. 888

GT Lourance 5

Griffithsville Unit #2 Field

47-043-30888



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(224)

AOR - Well Review Checklist

API Number: 47- 043 - 02134 Area Permit Number: 2R AP
Operator Name: H6 Energy
Operator's Well #: 6
Farm Name: G T Lawrence
Field Name: Smithville Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2262
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,628 Northing: 14,235,138
Elevation: 232
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☒	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

Shirley Daniels

47-043-0134

Production
First 24 Hours from { Barrels Sand Hole. Approved.
Sand Hole. By

Farm, No. of Lease, No. Acres

Rural District Lincoln County West Virginia State

Well No. Six Date of Location

Rig Commenced 19
Rig Completed 19 Contractor,

Drilling Commenced September 22nd, 19 30
Drilling Completed October 28th, 19 30 } S.S. Elkins & Company, Contractor.

CASING RECORD

Size	Changes in Well	Put in Well	Drawn or Cemented	Pulled out of Well	Left in Well	Perforated from	Length of String left in Well
	Feet / In.	Feet / In.	Feet / In.	Feet / In.	Feet / In.	Feet / In.	Feet / In.
6-5/8	1542	1562	1562		1562		

Formation	Top	Bottom	Thickness
Sand & Slate	40	932	
Salt Sand	932	1472	
Slate	1472	1479	
Maxon Sand	1479	1500	
Slate	1500	1518	
Little Lime	1518	1546	
Pencil Cave	1546	1555	
Big Lime	1555	1731	
Big Injun Sand	1731	1784	
Slate & Shells	1784	1865	
Black Lime	1865	1966	
Slate & Shells	1966	2224	
Coffee Slate	2224	2244	
Berea Sand	2244	2262	
Total Depth		2262	

SHOT RECORD

Date	Size	Kind	Depth	Length of Shell	Time of Shot	Remarks
30	11	10	60			
31	2	10	170			
31	24	10	290			

Remarks

Water at 65'.
Water in Salt Sand at 1000'

Size	Casing Pulled	Date Left In	

Location El- 771.77

043-0134

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

COAL OPERATOR OR OWNER

COAL OPERATOR OR OWNER

ADDRESS

RECEIVED
OCT 11 1984
OIL & GAS DIVISION
DEPT. OF MINES

Jackson Development Co., Inc.
P.O. Box 498 ADDRESS OF WELL OPERATOR
Hamlin, WV 25523
COMPLETE ADDRESS

October 9, 1984

WELL AND LOCATION

Duval District
Lincoln County
Well No. #6
G. T. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING Jerry Holcomb, R.R. 1, Box 28, Hamlin, WV 25523

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Raymond Stowers and A. J. Pauley

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Jackson Development Co., Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 17th day of Sept., 1984, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL		PLUGS USED	CASING	
FORMATION			SIZE & KIND	CASG PULLED	CASG LEFT IN
	Total Depth	2262'			
	Cement	2262' - 2162'	2-3/8"	2262'	-0-
	Mud & Clay	2162' - 1625'			
	Cement	1625' - 1575'	5-1/2"	1593'	-0-
	Mud & Clay	1575' - 1562'			
	Pull 6-5/8" casing		6-5/8"	85'	1477'
	Mud & Clay	1562' - 1422'			
	Cement	1422' - 1372'			
	Mud & Clay	1372' - 932'			
	Cement	932' - 882'			
	Mud & Clay	882' - 300'			
	Cement	300' - 250'			
	Mud & Clay	250' - 100'			
	Cement	100' - Surface			
	Install monument		10-12-84		
COAL SEAMS			DESCRIPTION OF MONUMENT		
(NAME)			30" above surface with		
(NAME)			Inscription 47-043-2134-P		
(NAME)					
(NAME)					

and that the work of plugging and filling said well was completed on the 26th day of September, 1984

And further deponents saith not.

Raymond Stowers
A. J. Pauley

Sworn to and subscribed before me this 9th day of October, 1984

Notary Public.

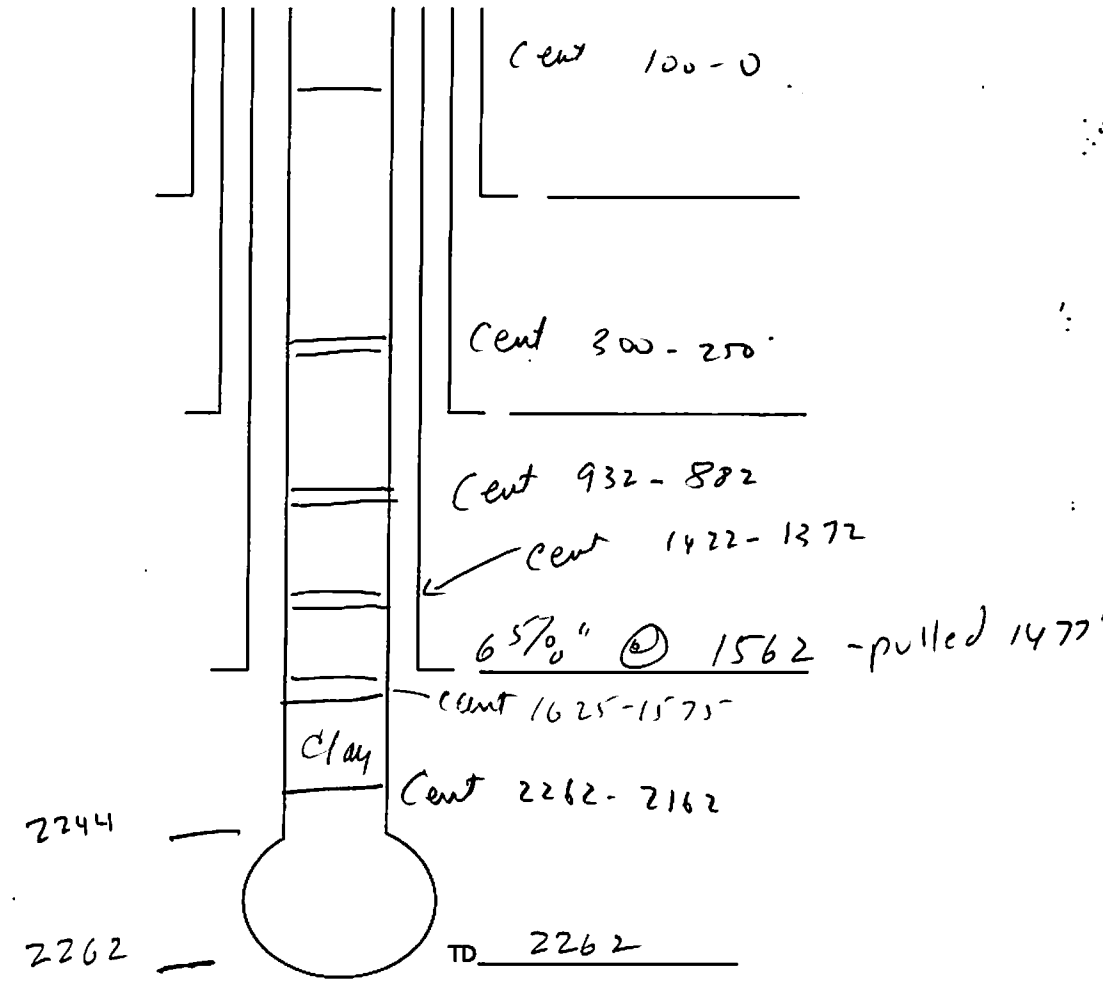
My commission expires:
March 1, 1994

Permit No. 2134-P

Cnv. - 2134-P

Griffithsville ~~Glover~~ Field #2

47-~~087~~-043-02134



Pulled 1593' 5½" csng

From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(225)

AOR - Well Review Checklist

API Number: 47- 043 - 30798 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 1

Farm Name: JT Lawrence

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2426

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,606 Northing: 4,236,081

Elevation: 280

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD 47-043-3079 8

Oil or Gas Well (KIND)

Permit No.

Company UNITED FUEL GAS COMPANY
Address Box 1273 - Charleston, W. Va.
Farm J. T. Lawrence Acres
Location (waters)
Well No. 1 Elev.
District Duval County Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by
Address
Drilling commenced October 29, 1912
Drilling completed January 6, 1913
Date Shot 1/3/13 From To
With 90 qts.
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
Fresh water feet feet
Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8¼	1773	1773	Depth set
6⅝	1800	1800	
5 3/16			Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
			0	80			
Red Rock			80	100			
Sand			100	135			
Slate			135	170			
Lime			170	180			
Slate			180	235			
Red Rock			235	275			
Shells		2	275	285			
Sand			285	330			
Slate			330	440			
Lime Shells			639	670			
Slate			670	770			
Sand			770	795			
Slate			795	805			
Black Lime			805	875			
Slate			875	930			
Sand			930	1010			
Slate			1010	1060			
Sand			1060	1080			
Slate			1080	1700			
Salt Sand			1700	1720			
Slate			1720	1765			
Little Lime			1765	1942			
Big Lime			1942	1980			
Big Injun			1980	2040			
Slate			2040	2160			
Shells			2160	2407			
Slate			2407	2426			
Berea Sand							H. W. Packer 5-3/16" x 6-5/8" x 10 set at 1600'

JUN 1949
WEST VIRGINIA
DEPARTMENT OF MINES

(Over)

47.043 - 30778
798

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
LEASE OR PROPERTY OWNER
ADDRESS

United Fuel Gas Company
NAME OF WELL OPERATOR
Charleston, W. Va.
COMPLETE ADDRESS
July 2 19 49.
WELL AND LOCATION
Duval District
Lincoln County
Well No. 1
J. T. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Clyde Satterfield and E. J. Elkins, Jr.
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. H. Adkins,
well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 26 day of June, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
SET A PERMANENT BRIDGE AT 2387' - 20' above Berea Sand. 2 sacks neat cement and 5' crushed stone on bridge. Filled with clay to 2287' Neat cement 2287' - 2277'						
SET A PERMANENT BRIDGE AT 2010' - 30' below Big Injun. 2 sacks neat cement and 5' crushed stone on bridge. Filled with clay to 1830' - 30' below 5-3/16" Casing.						
Pulled 5-3/16" Casing						
Set 10' neat cement and 5' crushed stone for plug - Sealing hole below 6-5/8" Casing. PULLED 6-5/8" CASING AS BALANCE OF HOLE WAS FILLED AND PLUGGED						
Continued filling with clay to 1060' - 20' above Salt Sands. Neat cement 1060' to 1050'. 5' crushed stone on cement plug.						
SET A PERMANENT BRIDGE AT 275' - in good formation (solid). 2 sacks neat cement and 5' crushed stone on bridge. Filled with clay to surface.						
Erected marker such as is described in Rule 18, 1931 Regulations.						

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	U.F.GAS CO.
(NAME)	J.T.LAWRENCE # 1
(NAME)	DATE OF ABANDONMENT
(NAME)	

and that the work of plugging and filling said well was completed on the 2 day of July 19 49.

And further deponents saith not.

E. J. Elkins Jr.
Clyde Satterfield

Sworn to and subscribed before me this 16 day of July, 19 49.

Notary Public.

My commission expires:
Sept 1, 1957

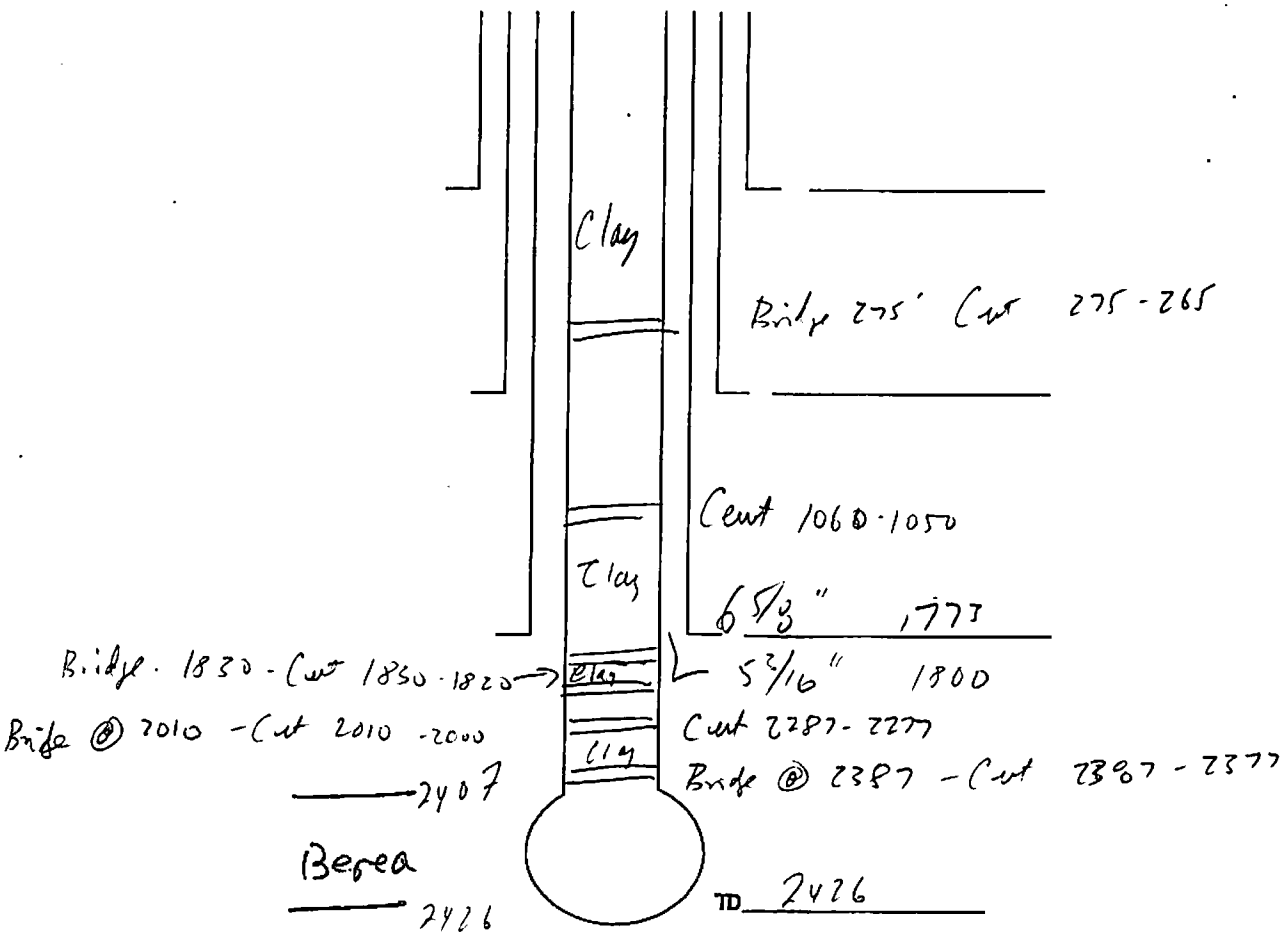
Permit No. LIN-798

(112)

JT Lowrance 1

Griffithsville Unit #2 Field

47-043- 30798



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

226

AOR - Well Review Checklist

API Number: 47- 043 - 30144 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 1

Farm Name: R A Laurence

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2630

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415,838 Northing: 4,234,235

Elevation: 345

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

WELL RECORD

47-043-30144

Permit No.

Company SOUTH PENN OIL COMPANY — Casing and Tubing — Used in Drilling — Left in Well — Packers

Address 411 Seventh Ave., Pittsburgh, Pa.

Farm W. A. Lawrence — Acres 76 — Size — Kind of Packer

Location (waters) Bear Fork — Elev. 1181.51 — 16 — Size of

Well No. 1

District Duval — County Lincoln — 13 — Depth set

The surface of tract is owned in fee by Catherine Hutmann

Griffithsville, W. Va.

Mineral rights are owned by W. L. Lawrence et al — 8 5/8 — 1315 — Perf. top

2916 Highland Ave. Address Huntington, W. Va. — 6 5/16 — Perf. bottom

Drilling commenced Oct. 26, 1909 — 5 — Perf. top

Drilling completed Dec. 9, 1909 — Liners Used — Perf. bottom

Date shot 12-14-09 — Depth of shot — Inch — Cond. — 16

Open Flow — 10ths Water in — Inch

— 10ths Merc. in — Cu. Ft.

Volume — Hrs.

Rock Pressure 20 361 — lbs. — hrs. — CASING CEMENTED — SIZE — No. FT. — Date

Oil — bbls. 1st 24 hrs. — COAL WAS ENCOUNTERED AT 753 FEET 56 INCHES

Fresh water — feet — feet — 839 FEET 45 INCHES FEET INCHES

Salt water 1315 — feet — feet — FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
				16			
Red Rock			16	128			
White Slate			128	240			
Red Rock			240	280			
Sand			280	328			
Red Rock			328	405			
Sand			405	483			
White Slate			483	513			
Sand & Slate			513	598			
Slate & Sand Shells			598	690			
Sand			690	753			
Coal			753	766			
Slate & Sand			766	839			
Coal			839	843			
Sand			843	935			
Slate			935	1015			
Slate & Sand Shells			1015	1128			
Slate			1128	1285		1315	
Salt Sand			1285	1841	Water		
Slate			1841	1844			
Sand			1844	1864			
Slate			1864	1874			
Sand			1874	1903			
Slate			1903	1906	1905 - 6 1/4"		
Little Lime			1906	2058			
Break			2058	2140			
Big Lime			2140	2190			
Injun Sand			2190	2235			
Squaw			2235	2322			
Slate			2322	2609			
Black Lime			2609	2630½			
Slate							
Berea Grit Sand				2630½			
Total Depth							

(Over)

47.043-30144

Form G-8

AFFIDAVIT IN TRIPLICATE TO TIME AND MANNER OF PLUGGING AND FILLING WELL

(Required by Section 9, Article 4, Chapter 22 of the Code)

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

J. L. Lawrence et al (?)
COAL OPERATOR OR OWNER
2716 Highland Ave., Huntington, W. Va.
ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

Catherine Huffman
LEASE OR PROPERTY OWNER
Griffithsville, W. Va.
ADDRESS

SOUTH PENN OIL COMPANY
NAME OF WELL OPERATOR
411 Seventh Avenue, Pittsburgh, Pa.
COMPLETE ADDRESS

May 16, 1938.

WELL AND LOCATION

Duval District
Lincoln County
Well No. 1
M. A. Lawrence Farm

AFFIDAVIT TO BE MADE IN TRIPLICATE. ONE COPY TO BE MAILED BY REGISTERED MAIL TO THE DEPARTMENT. ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) TO BE MAILED TO EACH COAL OPERATOR ABOVE NAMED AT THEIR RESPECTIVE ADDRESSES.

AFFIDAVIT

STATE OF WEST VIRGINIA,
COUNTY OF Lincoln } ss:

G. H. Crummett and

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by South Penn Oil Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 13th day of April, 1938, and that the well was plugged and filled in the following manner:

Manner in which sand was plugged:

Total Depth 2630'. 30' Red Clay bridge 1970' to 1940'. 6-5/8" casing collapsed at 1450', leaving in hole cement retainer, trip and circulating jars. Casing cemented inside and out 1600' to 1450'. 6-5/8" casing cut at 1450' and pulled. Filled with Red clay to 1265'. Set cement plug 1265' to 1255', sealing Salt Sand. Bridged hole 902' to 873'. Coal vein 845' to 839' (Land Department Well Record). Set cement plug 873' to 819', sealing Coal Vein. Filled with clay to 796'. Coal Vein 766' to 763'. ~~Manner in which coal was plugged:~~ (Land Department Well Record). Set cement plug 796' to 743', sealing Coal Vein. Filled with clay to surface.

Description of monument: Erect marker as described in Rule 18, 1931 Regulations.
All work done in workmanlike manner.

(THE ABOVE DESCRIPTION MUST BE IN DETAIL AND IN ACCORDANCE WITH THE PROVISIONS OF SECTION 10, ARTICLE 4, CHAPTER 22 OF THE CODE)

and that the work of plugging and filling said well was completed on the 4th day of May, 1938.

And further deponents saith not.

G. H. Crummett

Sworn to and subscribed before me this 18th day of May, 1938.

J. L. Smith
Notary Public.

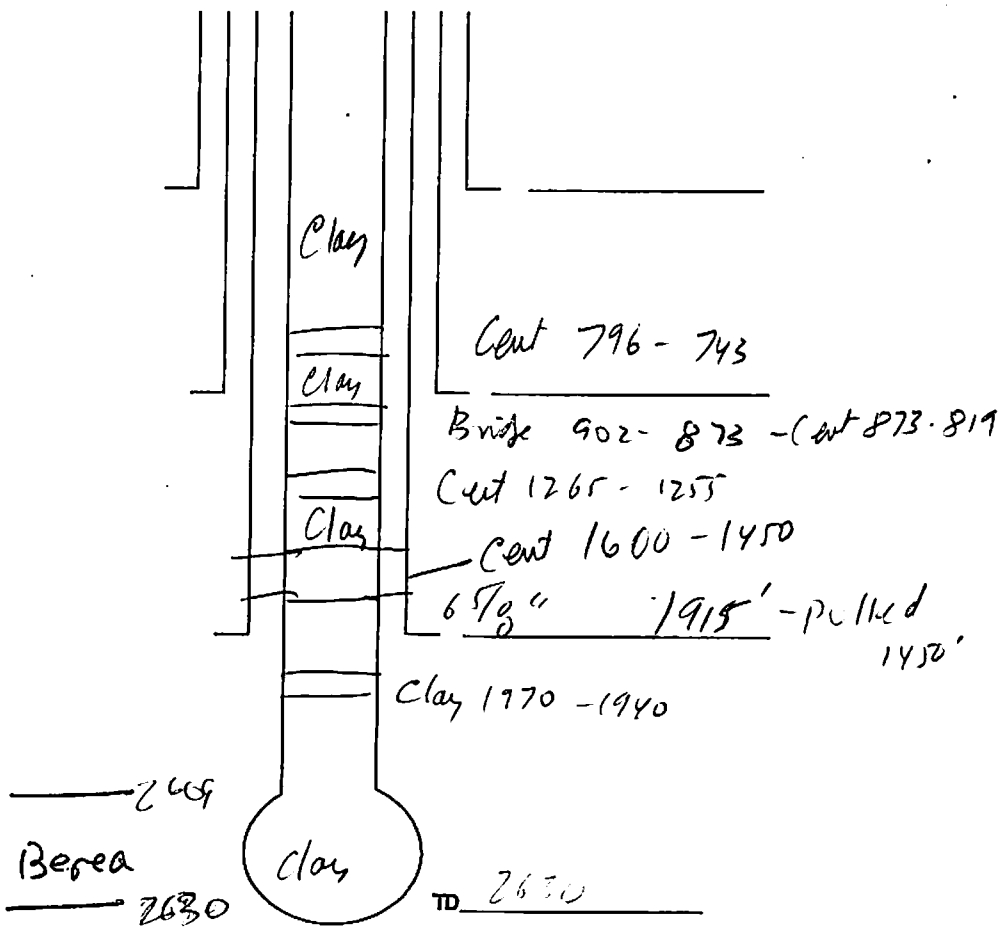
My Commission expires:
Dec. 7-1947

Lei-144

MA Lawrance 1

Griffithsville Unit #2 Field

47-043- 30144



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

227

AOR - Well Review Checklist

API Number: 47- 043 - Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 2

Farm Name: M A Lawrence

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well:

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,056 Northing: 4,234,202

Elevation: 331

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

WA 35 +38 NA

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

WVDEP OOG Internal Use Only
Rev. 6/14/16

228

AOR - Well Review Checklist

API Number: 47- 043 - 30905 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: M A Laurance

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2574

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,156 Northing: 4,234,734

Elevation: 323

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

OG-10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30905

WELL RECORD

Oil or Gas Well _____ (KIND)

Permit No. _____

Company G. S. H. Supply Company
Address c/o Hallie Pack, Hamlin, West Virginia
Farm M. A. Lawrence Acres _____
Location (waters) _____
Well No. 3 Elev. 1065.97
District Duval County Lincoln
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8¼			
6⅝	1900	1900	Depth set
5 3/16	1905	1905	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Salt Sand			1230	1815			
Little Lime			1830	1875			
Pencil Cave			1875	1885			
Big Lime			1885	2058			
Big Injun			2058	2130			
Brown Shale			2540	2552			
Berea Sand			2552	2574			

JUL 1950
WEST VIRGINIA
DEPARTMENT OF MINES

47-043-30905

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

NAME OF WELL OPERATOR: G. S. H. Supply Company

COMPLETE ADDRESS: c/o Hallie Pack, Hamlin, West Virginia

November 7, 19 50

WELL AND LOCATION

Duval District

Lincoln County

Well. No. 3

M. A. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Jack McCullough and W. E. Pack being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 23 day of October, 19 50, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Bridge Set At	2554'		6-5/8"	368'	1532'
	Neat Cement	2554'	2544'	5-3/16"	1952	None
	Crushed Stone	5'				
	Clay		1930'			
	Neat Cement	1930'	1920'	Crushed Stone 5'		
	Bridge Set At	1600'				
	Neat Cement	1600'	1590'			
	Crushed Stone	5'				
	Clay		1210'			
	Neat Cement	1210'	1200'			
	Crushed Stone	5'				
	Bridge Set At	400'				
	Neat Cement	400'	390'			
	Crushed Stone	5'				
	Clay to Surface					

COAL SEAMS

(NAME)

(NAME)

(NAME)

(NAME)

DESCRIPTION OF EQUIPMENT

Erected Marker According Rule 18, 1931 Regulations

NOV 1950 WEST VIRGINIA DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 30 day of October, 19 50.

And further deponents saith not.

Jack McCullough
W E Pack

Sworn to and subscribed before me this 9 day of Nov, 19 50.

Notary Public.

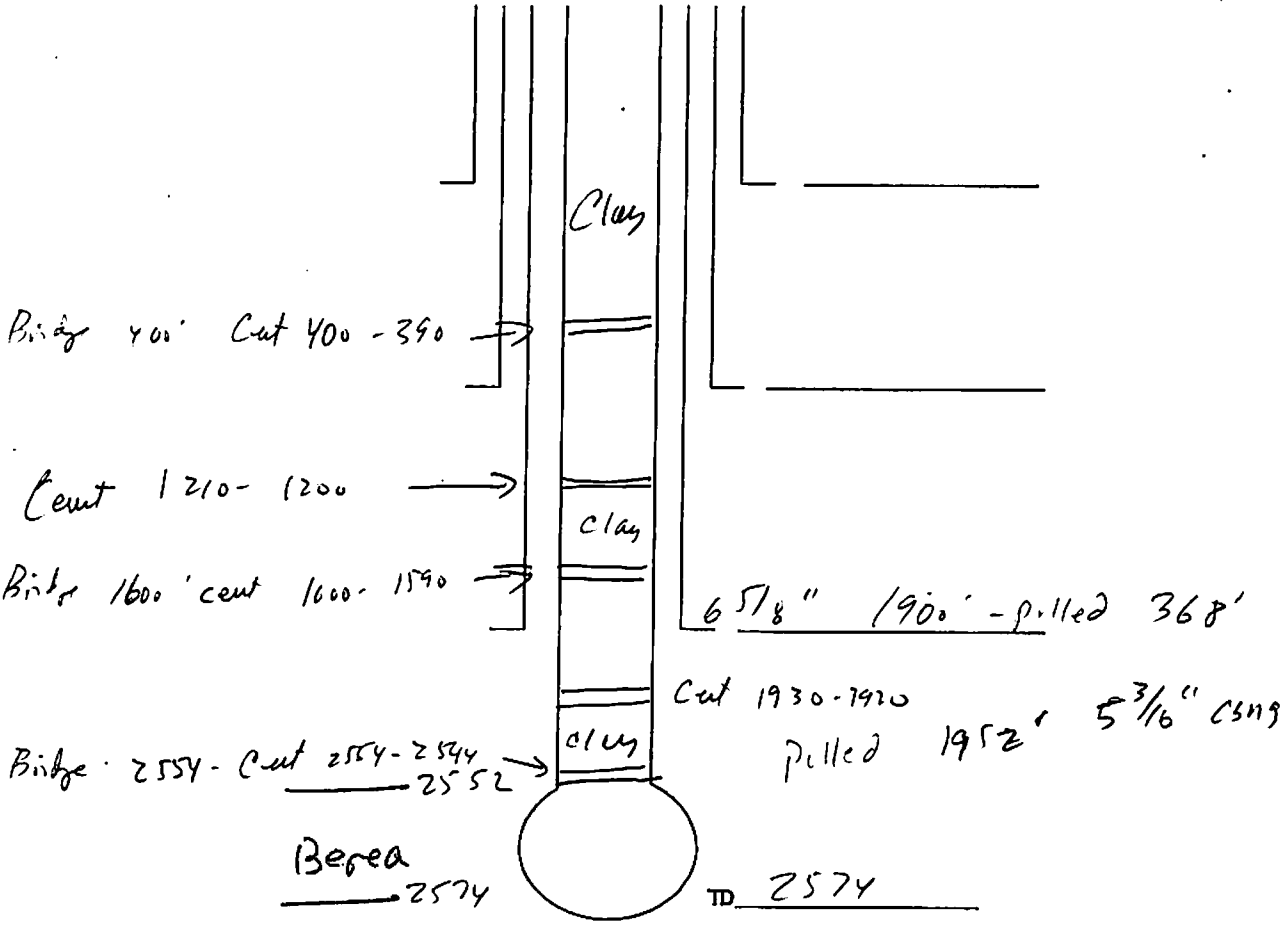
My commission expires:
April 1, 1957

Permit No. LIN-905

M A Lowrance 3

Griffithsville Unit #2 Field

47-043- 30905



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

229

AOR - Well Review Checklist

API Number: 47- 043 - 20 408 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 4

Farm Name: M A Lawrence.

Field Name: Griffithsville Unit 2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2569

Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,068 Northing: 4,234,636

Elevation: 306

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☒	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

GS-10

47.043-30408

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Oil or Gas Well OIL (KIND)

Permit No. ____

Company South Penn Natural Gas Company
Address Union Trust Bldg. Parkersburg, W. Va.
Farm M. A. Lawrence Acres 75
Location (waters) Bear Fork
Well No. 4 Elev. 1065.57
District Duval County Lincoln
The surface of tract is owned in fee by Catherine Huffman
Address Griffithsville, W. Va.
Mineral rights are owned by J. L. Lawrence et al
Rt. 5, Address Wabash, Indiana
Drilling commenced Jan. 4, 1910
Drilling completed Mar. 4, 1910
Date Shot 3-4-10- 90 Qts. To ----------
2-26-13- 150 Qts.
With -- --
Open Flow /10ths Water in ---- Inch
/10ths Merc. in --- Inch
Volume -- Cu. Ft.
Rock Pressure -- lbs. -- hrs.
Oil 15 bbls., 1st 24 hrs.
Fresh water 300 feet 850 feet
Salt water 1290 feet -- feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer -
16			-
13	16'	16'	Size of -
10	550' (Pulled)		-
8¼	1890'	1890'	Depth set -
6⅝			-
5 3/16			Perf. top -
3			Perf. bottom -
2			Perf. top -
Liners Used			Perf. bottom -

CASING CEMENTED - SIZE - No. Ft. - Date
- -

COAL WAS ENCOUNTERED AT - FEET - INCHES
- FEET - INCHES - FEET - INCHES
- FEET - INCHES - FEET - INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
			20	340			
Slate					Water	300	3 blrs.
			340	530			
Sand			530	555			
Slate			555	910			
Sand & Shells					Water	850	5 blrs.
			910	1230			
Slate & Shells			1230	1840			
Top Salt Sand					Water	1290	Hole full
			1840	1850			
Slate			1850	1875			
Little Lime			1875	1880			
Pencil Slate			1880	2060			
Big Lime			2060	2140			
Big Injun			2140	2210			
Slate			2210	2318			
Lime & --			2318	2530			
Slate & Shells			2530	2548			
Brown Shale							
Top Berea Sand			2548		Oil	2550	
				2569			
Total Depth							

MAY 1944
WEST VIRGINIA
DEPARTMENT OF MINES

(Over)

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30408

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

UNITED FUEL GAS COMPANY
NAME OF WELL OPERATOR

CHARLESTON, W. VA.
COMPLETE ADDRESS

APRIL 12, 19 49
WELL AND LOCATION

DUVAL District

LINCOLN County

Well No. 4

M. A. LAWRENCE Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. LAWSON

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of LINCOLN } ss:

E. J. ELKINS and KENZIE BROWNING

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. H. ADKINS, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 2 day of February, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Set a permanent Bridge at 2528' - 20' above Berea Sand. 2 Sacks neat Cement and 5' crushed stone on bridge. Filled with clay to 2428' neat Cement 2428' - 2418'.						
Set a Permanent Bridge at 2140' - bottom of Big Injun. 2 sacks neat cement and 5' crushed stone on bridge. Filled with clay to 1920' - 20' below 6-5/8" casing neat cement 1920' - 1910'. 5' crushed stone on cement plug.						
PULLED 6-5/8" CASING AS BALANCE OF HOLE WAS FILLED AND PLUGGED.						
Continued filling with clay to 1210' - 20' above salt Sands Neat Cement 1210' - 1200'.						
Set a Permanent Bridge at 250'. 2 sacks neat cement and 5' crushed stone on bridge. Filled with red clay to surface.						
Erected marker such as is described in Rule 18, 1931 Regulations.						

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
U. F. GAS CO.
M. A. LAWRENCE # 4
DATE OF ABANDONMENT

and that the work of plugging and filling said well was completed on the 10 day of March, 1949.

And further deponents saith not.

E. J. Elkins
Kenzie Browning

Sworn to and subscribed before me this 10 day of March, 19 49.

G. S. Davis
Notary Public.

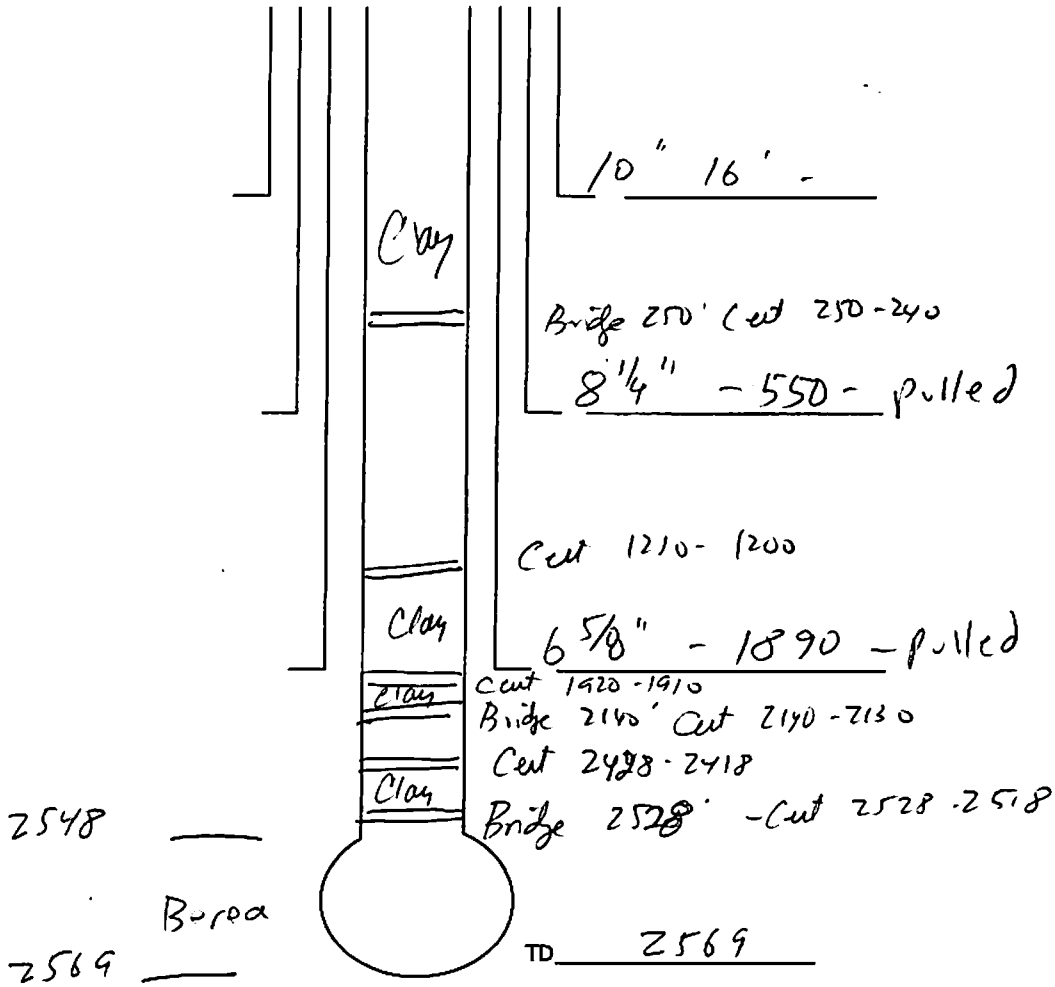
My commission expires:
April 1, 1957

Permit No. ~~LIN-638~~
LIN-572

MA Laurence 4

Griffithsville #2 ~~Clover~~ Field

47-~~087~~-043-30408



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

230

AOR - Well Review Checklist

API Number: 47- 043 - 30906 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 5
Farm Name: M A Lourance
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2663
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,862 Northing: 4,234,557
Elevation: 350
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

30906

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. _____ Oil or Gas Well _____ (KIND)

Company C. S. H. Supply Company
Address c/o Hall's Bank, Hamlin, West Virginia
Farm M. A. Lawrence Acres _____
Location (waters) _____
Well No. 6" Elev. 1141.04
District Duval County Lincoln
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10			Size of
8¼			
6⅝	1965'	1965'	Depth set
5 3/16			
3			Perf. top
2	2650	2650	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Salt Sand			1290	1900			
Little Lime			1920	1965			
Big Lime			1965	2115			
Big Injun			2115	2165			
Brown Shale			2620	2640			
Berea Sand			2640	2663			

JUL 1950

(Over)

47.043 - 30906

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

NAME OF WELL OPERATOR: C. S. H. Supply Company

COMPLETE ADDRESS: c/o Hallie Pack, Hamlin, West Virginia

October 31, 19 50

WELL AND LOCATION

Duval District

Lincoln County

Well No. 5

M. A. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA, }
County of Lincoln } ss:

John McCoy and W. S. Owens being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 14 day of October, 19 50., and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Set Bridge At	2643'				
	Neat Cement	2643'	2633'	6 5/8"	1955'	None
	Crushed Stone	5'				
	Clay		1995'	2"	2550'	None
	Neat Cement	1995'	1985'			
	Crushed Stone	5'				
	Bridge Set At	1750'				
	Neat Cement	1750'	1740'			
	Crushed Stone	5'				
	Clay		1270'			
	Neat Cement	1270'	1260'			
	Crushed Stone	5'				
	Bridge Set At	400'				
	Neat Cement	400'	390'			
	Crushed Stone	5'				
	Clay to Surface					

COAL SEAMS

(NAME)

(NAME)

(NAME)

(NAME)

DESCRIPTION OF MONUMENT

Erected Marker According Rule 18, 1941 Regulations

NOV 1950 WEST VIRGINIA DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 21 day of October, 19 50.

And further deponents saith not.

John McCoy
W. S. Owens

Sworn to and subscribed before me this 9 day of Nov, 19 50.

J. E. Lawson
Notary Public.

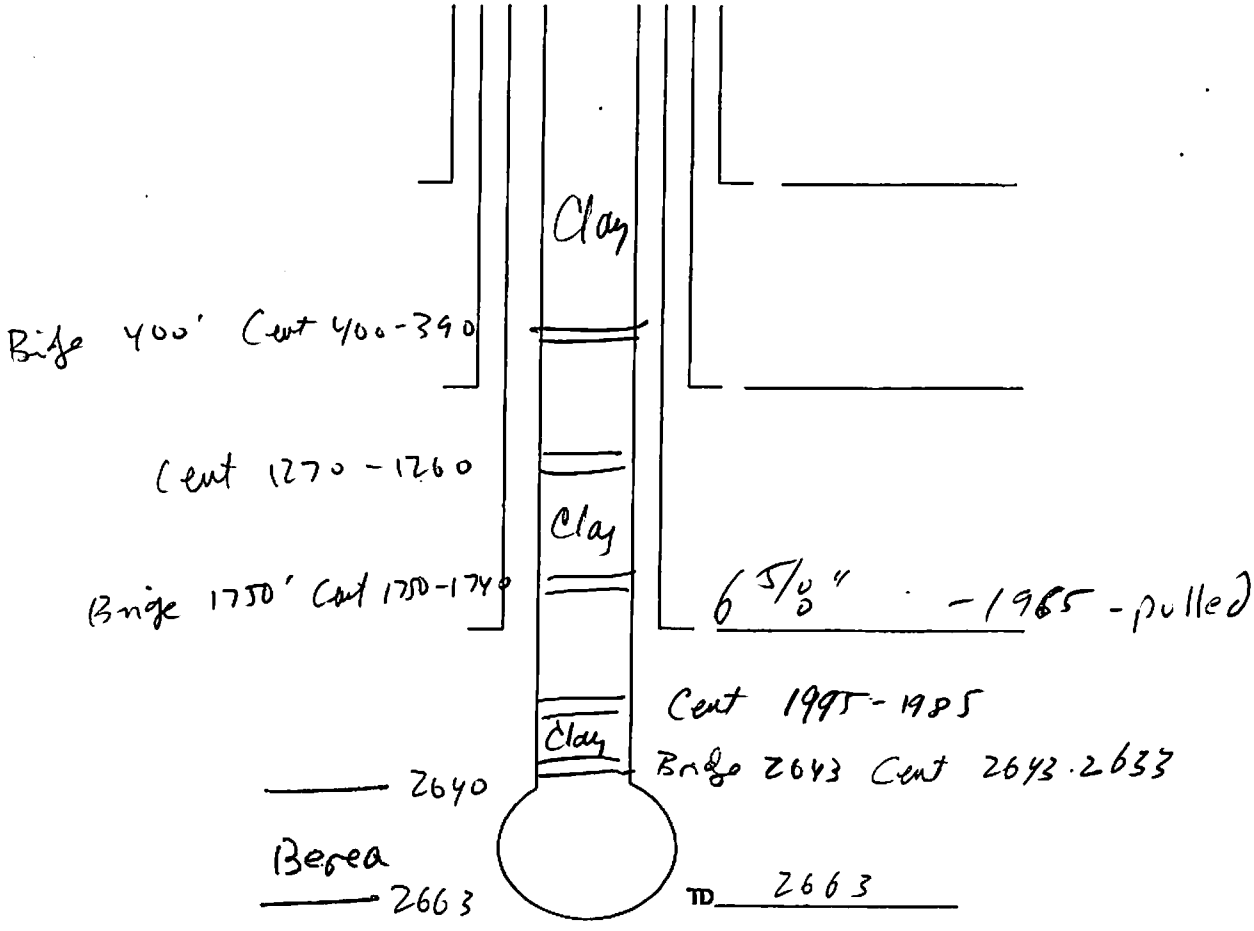
My commission expires: April 1, 1957

Permit No. LIL-036

MA Laurance 5

Griffithsville Unit #2 Field

47-043- 30906



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

231

AOR - Well Review Checklist

API Number: 47- 043 - 20998 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 6

Farm Name: M A Laurance

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2527

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415,635 Northing: 4,234,405

Elevation: 311

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

47-043-3099B

Oil or Gas Well (KIND)

Permit No.

Company P. J. & L. Supply Company
Address c/o Hallie Pack, Hamlin, West Virginia
Farm M. A. Lawrence Acres
Location (waters)
Well No. 6 Elev.
District Duval County Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by
Address
Drilling commenced
Drilling completed
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
Fresh water feet feet
Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8¼			Depth set
6⅝	1830'		
5 3/16			Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
			1175	1830			
Salt Sand			1830	2000			
Big Lime			2000	2060			
Big Injun			2505	2527			
Berea				2527			
Total Depth							



47.043-30998

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

P. J. & L. Supply Company
NAME OF WELL OPERATOR

c/o Hallie Pack, Hamlin, West Va.
COMPLETE ADDRESS

March 8, 19 51

WELL AND LOCATION

Duval District

Lincoln County

Well. No. 6

M. A. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Ray Thompson and Charles E Dent being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 15 day of February, 19 51, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Bridge Set At	2485'		7"	1890'	None
	Neat Cement	2485'	2475'	2"	2521'	None
	Crushed Stone	5'				
	Clay		1860'			
	Neat Cement	1860'	1850'			
	Crushed Stone	5'				
	Bridge Set At	1800'				
	Neat Cement	1800'	1790'			
	Crushed Stone	5'				
	Clay		1155'			
	Neat Cement	1155'	1145'			
	Crushed Stone	5'				
	Bridge Set At	350'				
	Neat Cement	350'	340'			
	Crushed Stone	5'				
COAL SEAMS	Clay to Surface			DESCRIPTION OF MONUMENT		
(NAME)				Erected Marker According Rule 18, 1931 Regulations		
(NAME)						
(NAME)						
(NAME)						

MAR 1951
WEST VIRGINIA
DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 23 day of February, 19 51.

And further deponents saith not.

Ray Thompson
Charles E Dent

Sworn to and subscribed before me this 13 day of March, 19 51.

Jessie C Ashworth
Notary Public.

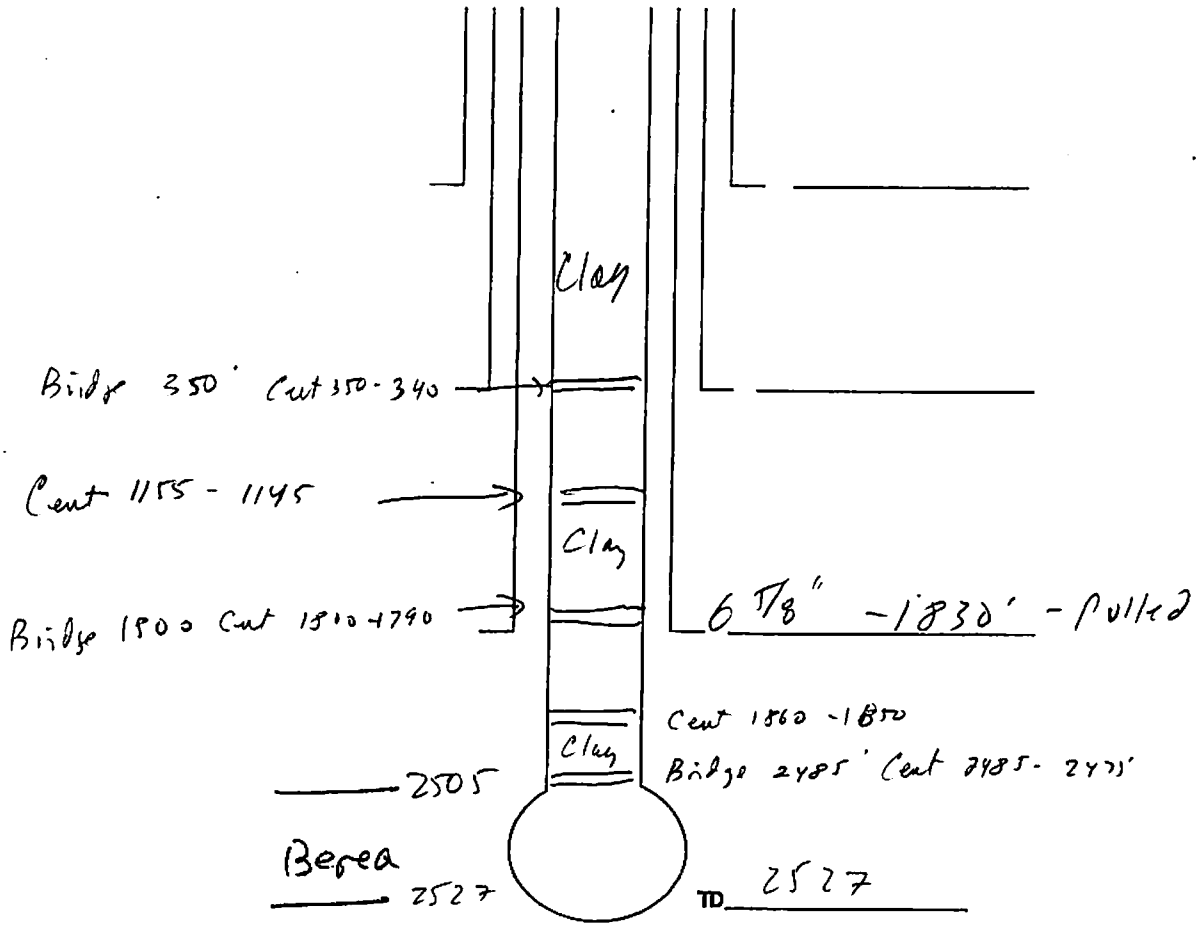
My commission expires:
My Commission Expires March 10, 1960

Permit No. LIN-998

M A Laurance 6

Griffithsville Unit #2 Field

47-043- 30998



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

232

AOR - Well Review Checklist

API Number: 47- 043 - Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 7

Farm Name: M A Laurance

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2428

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,126 Northing: 4,234,405

Elevation: 280

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Oil or Gas Well _____ (KIND)

Permit No. _____

Company United Fuel Gas Company
Address Charleston, W.Va.
Farm M.A.Lawrence Acres 73
Location (waters) Valley Fork
Well No. #7 Elev. _____
District Duval County Lincoln
The surface of tract is owned in fee by Same
Address Griffithsville
Mineral rights are owned by Same
Address Same
Drilling commenced June 22, 1911
Drilling completed August 5, 1911
Date Shot 8/4/1911 From 2402 To 2423
With 90 quarts Glycerine
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8¼			Depth set
6⅝	1743'		
5 3/16	1794'		Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Salt Sand			1000	1640			
Little Lime			1640	1720			
Pencil Cave			1720	1725			
Big Lime			1725	1915			
Big Injun			1915	1955			
Brown Shale			2388	2402			
Berea Sand			2402	2421'			

JAN 1949
WEST VIRGINIA
DEPARTMENT OF MINES

(Over)

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

NAME OF WELL OPERATOR: United Fuel Gas Company

COMPLETE ADDRESS: Charleston, W. Va.

WELL AND LOCATION: May 6, 19 49

Duval District

Lincoln County

Well No. 7

M. A. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING: D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

E. J. Elkins and Kenzie Browning being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. H. Adkins, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 12 day of March, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
SET A PERMANENT BRIDGE AT 2382' - 20' above Berea Sand. 2 sacks neat Cement and 5' crushed stone on bridge. Filled with clay to 2300'. Neat Cement 2300' - 2290'.						
SET A PERMANENT BRIDGE AT 1955' - bottom of Big Injun. 2 sacks neat cement and 5' crushed stone on bridge. Filled with red clay to 1824' - 30' below 5-3/16" Casing. Neat cement 1824' - 1814'. 5' crushed stone on cement Plug.						
PULLED 5-3/16" CASING						
PULLED 6-5/8" CASING AS BALANCE OF HOLE WAS FILLED AND PLUGGED. Continued filling with clay to 990' - 20' above Salt Sands. Neat Cement 990' - 980'.						
SET A PERMANENT BRIDGE AT 250'. 2 sacks neat cement and 5' crushed stone on bridge. Filled with clay to surface. Erected marker such as is described in Rule 18, 1931 Regulations.						

COAL SEAMS

(NAME)

(NAME)

(NAME)

(NAME)

DESCRIPTION OF MONUMENT

U. F. GAS CO.
7 M. A. LAWRENCE
DATE OF ABANDONMENT

and that the work of plugging and filling said well was completed on the 1 day of May, 19 49.

And further deponents saith not.

E. J. Elkins Jr
Kenzie Browning

Sworn to and subscribed before me this 1 day of June, 19 49

J. S. Davis
Notary Public.

My commission expires: Aug 1, 1957

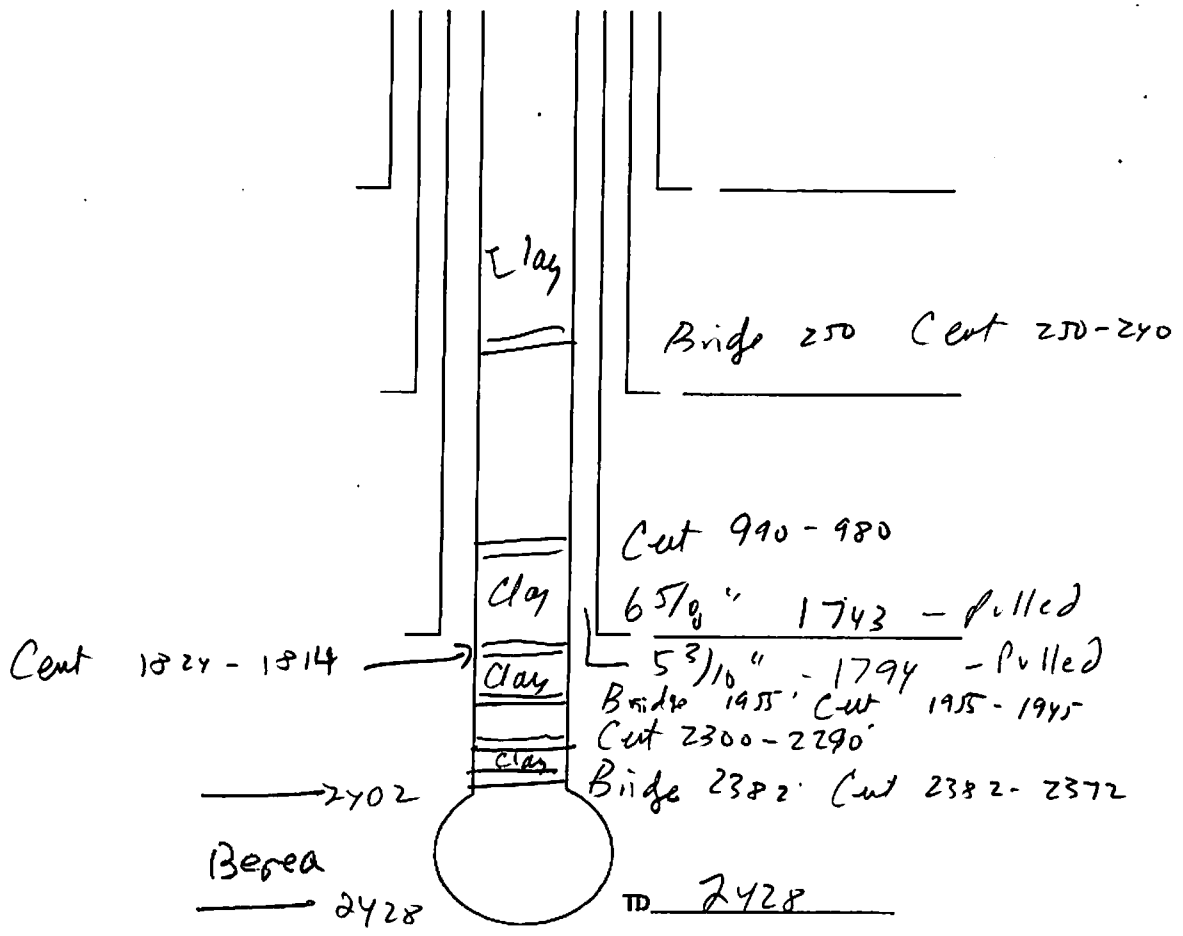
Permit No. DNR-631

LIN-571

R A Lawrence 7

Griffithsville Unit #2 Field

47-043-



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

233

AOR - Well Review Checklist

API Number: 47- 043 -30907 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 8

Farm Name: B A Lawrance

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2444

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415,565 Northing: 4,234,394

Elevation: 290

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

08-10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

47-043-30907

Oil or Gas Well _____ (KIND)

Permit No. _____

Company G. S. H. Supply Company
Address c/o Hallie Pack, Hamlin, West Virginia
Farm M. A. Lawrence Acres _____
Location (waters) _____ Elev. 946.84
Well No. 8
District Duval County Lincoln
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Cu. Ft.
Volume _____
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8¼			Depth set
6⅝	1755	1755	
5 3/16	1790	1790	Perf. top
3			Perf. bottom
2	2430	2430	Perf. top
Liners Used			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Salt Sand			1145	1694			
Iittle Lime			1705	1736			
Pencil Cave			1736	1745			
Big Lime			1745	1925			
Big Injun			1925	1985			
Brown Shale			2403	2423			
Berea Sand			2423	2444			

JUL 1950
WEST VIRGINIA
DEPARTMENT OF MINES

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30907

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

G. S. H. Supply Company
NAME OF WELL OPERATOR

c/o Hallie Pack, Hamlin, West Virginia
COMPLETE ADDRESS

October 14, 19 50
WELL AND LOCATION

Duval District

Lincoln County

Well. No. 8

M. A. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

J. C. McAllister and Charles Dieuit being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 3 day of October, 19 50, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CSG LEFT IN
	Bridge Set At	2424'		6 5/8"	1755'	None
	Neat Cement	2424'	2414'	5 3/16"	1790'	None
	Crushed Stone	5'		2"	2430	None
	Clay		1785'			
	Neat Cement	1785'	1775'			
	Crushed Stone	5'				
	Bridge Set At	1470'				
	Neat Cement	1470'	1460'			
	Crushed Stone	5'				
	Clay		1125'			
	Neat Cement	1125'	1115'			
	Crushed Stone	5'				
	Bridge Set At	400'				
	Neat Cement	400'	390'			
	Crushed Stone	5'				
	Clay to Surface					

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	Erected Marker According
(NAME)	Rule 16, 1931 Regulations
(NAME)	
(NAME)	

RECEIVED
OCT 1950
WEST VIRGINIA
DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 13 day of October, 19 50.

And further deponents saith not.

J. C. McAllister
Charles Dieuit

Sworn to and subscribed before me this 18 day of Oct, 19 50.

Notary Public.

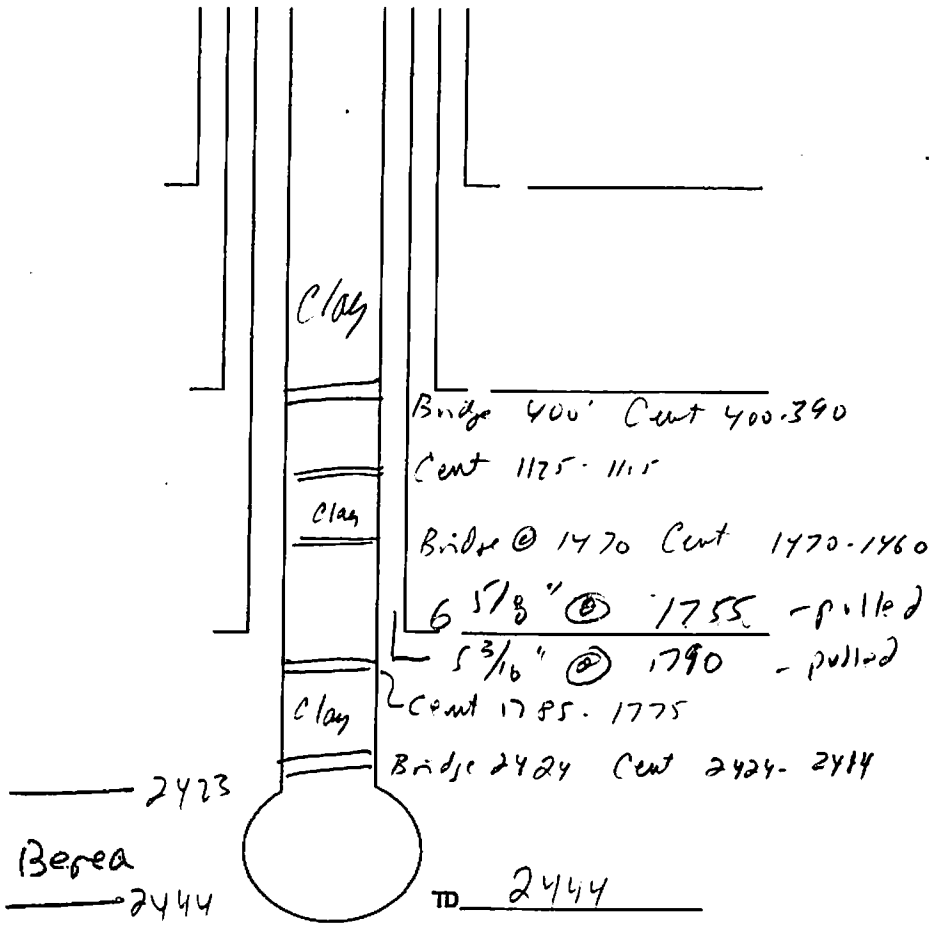
My commission expires:
April 1, 1957

Permit No. [illegible]

MA Laurance 8

Griffithsville Unit #2 Field

47-043- 30907



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(234)

AOR - Well Review Checklist

API Number: 47- 043 - 30535 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 9
Farm Name: N A Laurance
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2614
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83)
Easting: 415,956 Coordinates Match?: No ☐ Yes ☐
Elevation: 339 Northing: 4,234,363
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30535

WELL RECORD
ABANDONMENT

Oil or Gas Well Oil (KIND)

Permit No.

Company UNITED FUEL GAS CO.
Address P.O. Box 1273, Charleston 25, W. Va.
Farm M. A. Lawrence Acres
Location (waters) Sugar Tree Fk.
Well No. 9 Elev.
District Duval County Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by J. W. Lawrence, Agt. etal
2659 - R - Guyan Ave. Address Huntington, W. Va.
Drilling commenced 8-23-17
Drilling completed 10-9-17
Date Shot 10-11-17 From Not shown To
With 80 Qts
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil Not given bbls., 1st 24 hrs.
Fresh water feet feet
Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8¼			Depth set
6⅝	1922	1922	
5 3/16	2049	2049	Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT 440 FEET 60 INCHES
705 FEET 60 INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
				16			
Conductor (Wood)			16	20			
Shale			20	30			
Sand			30	50			
Slate			50	70			
Red Rock			70	100			
Sand			100	200			
Slate			200	250			
Sand			250	325			
Slate			325	375			
Sand			375	440			
Slate			440	445			
Coal			445	500			
Slate			500	705			
Sand			705	710			
Coal			710	800			
Slate			800	925			
Sand			925	1050			
Slate			1050	1200			
Sand			1200	1250			
Slate			1250	1868	Hole full		
Salt Sand			1350				
Water			1868	1898			
Little Lime			1898	1903			
Pencil Cave			1903	2093			
Big Lime			2093	2153			
Big Injun			2153	2253			
Slate			2253	2333			
Slate & Shells			2333	2573			
Slate			2573	2593			
Shale			2593	2614			
Berea Sand							

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30535

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
LEASE OR PROPERTY OWNER
ADDRESS

NAME OF WELL OPERATOR: United Fuel Gas Company
COMPLETE ADDRESS: Charleston, W. Va.
February 20 19
WELL AND LOCATION
Duval District
Lincoln County
Well No. 9
M. A. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

E. T. Elkins Jr. and Henry Browning being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. H. Adkins well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 12 day of December, 19 48, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CSG LEFT IN
Berea	Set bridge 20' above Berea at 2573'. Filled hole 100' with Non-porpus material. Set 10' Cement Plug on same, sealing off Berea Sand.					
Lime	Set Bridge 30' below Big Injun Sand at 2,103 Ft., Filled hole through Big Injun and Big Lime with non-porous material to 30 Ft. below pipe. Set 10' Cement Plug on same at 2,079 Ft., to 2,069 Ft. Sealing off Big Injun and Big Lime. Could not pull 1157' of 7" casing. Set wood plug in top of casing. Setsd 10' cement plug on same. Filled to surface with clay.					
	Wood plug in top of pipe 4 bags of cement on same filled to surface with clay.					

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
U.F.G. Co.
M. A. Lawrence # 9
Date of Abandonment

and that the work of plugging and filling said well was completed on the 10 day of February, 19 49.

And further deponents saith not.

E. T. Elkins Jr.
Henry Browning

Sworn to and subscribed before me this 20 day of February, 19 49.

Notary Public.

My commission expires:
Apr 1, 1957

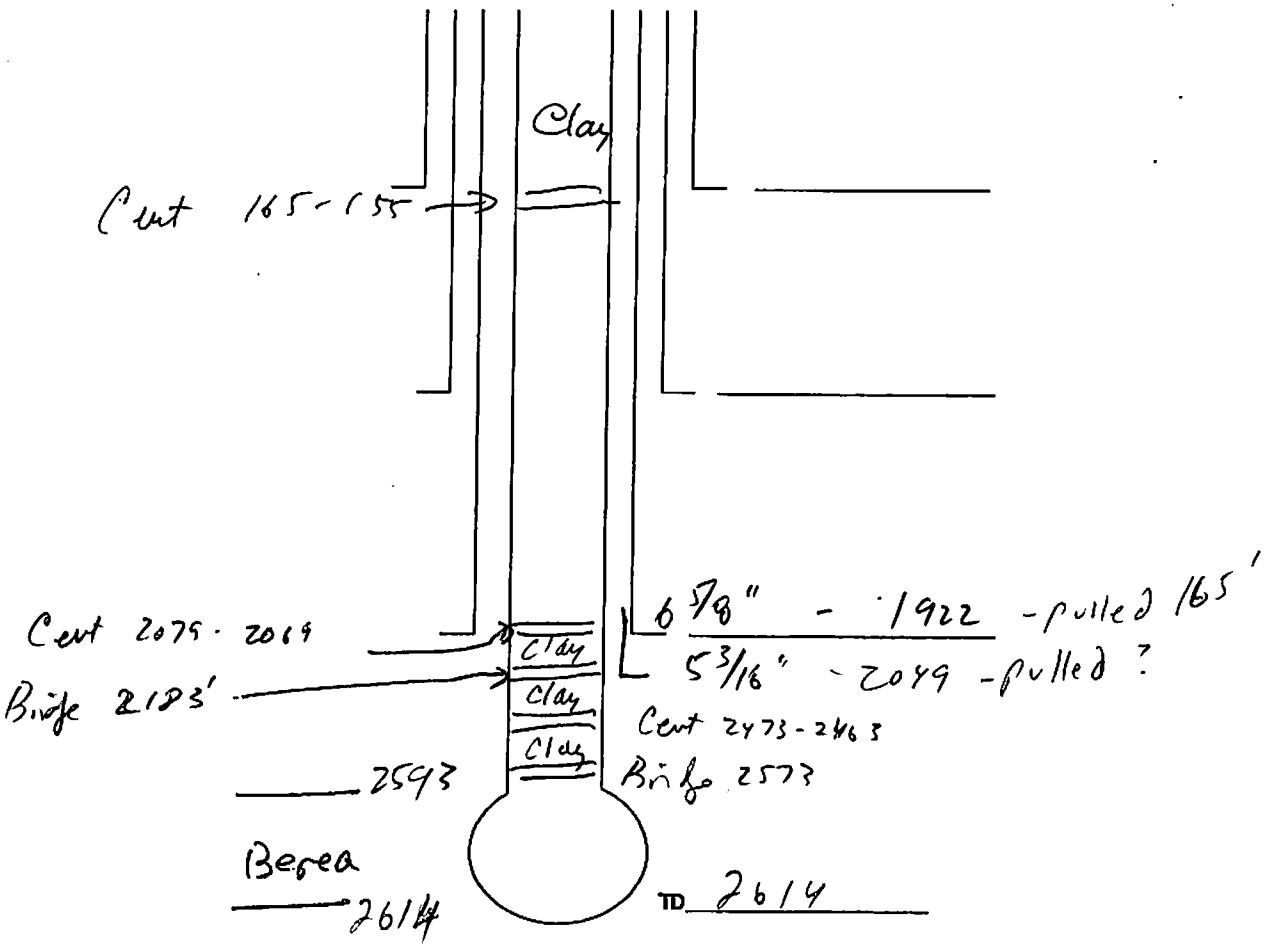
Permit No. Lin-535

57

M A Laurance 9

Griffithsville Unit #2 Field

47-043- 30535



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

235

AOR - Well Review Checklist

API Number: 47- 043 - 0 2135 Area Permit Number: 2R AP
Operator Name: H6 Energy
Operator's Well #: #1
Farm Name: James Lawson
Field Name: Smithville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2296
Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,891 Northing: 4,234,574
Elevation: 744
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☒	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

Shirley Daniels

Production First 24 Hours from { Barrels Sand Bbls. Approved. / Sand Bbls. By

/ James Lawson Farm, No. of Lease No. Acres

Duval District Lincoln County West Virginia State

Well No. One Date of Location 19

Rig Commenced 19 } Contractor

Rig Completed 19

Drilling Commenced July 4th. 19 08 } Hambleton & Company, Contractors

Drilling Completed August 14th. 19 08

CASING RECORD

Size	Casing in well Feet	In.	Put in well Feet	In.	Bottom of Casing Feet	In.	Pulled out of well Feet	In.	Left in well Feet	In.	Kind of shoe	Depth of shoe Feet	In.
10	20		20		20				20				
8¼	310		310		310				310				
6-5/8	1564		1564		1564				1564				

Formation	Top	Bottom	Thickness
Gas Sand	880	960	
Salt Sand	960	1144	
Slate	1144	1169	
Sand & Lime	1169	1584	
Big Lime	1584	1770	
Big Injun Sand	1770	1850	
Slate	1850	1900	
Lime & Shells	1900	2060	
White Slate	2060	2260	
Black Slate	2260	2274	
Berea Sand	2274	2296	
Total Depth		2296	

SHOT RECORD

Month	Day	Hr.	Min.	Length of Shot	Kind of Shot	Amount of Shot
9	25	08	30			
6	18	09	120			
1	11	11	180			
5	15	12	270			

Remarks 1

Gas in Gas Sand 910'

Water in Salt Sand at 960'

Size	Casing Packed	Casing left in

Remarks El- 796.42

043-0135

47-043-02135

API# 47- 043 - ~~2164~~ 2135

WR-38
Rev. 5/08

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm Name: James Lawson # 1 Operator Well No.: No. 5
Location: Elevation: 794' Quadrangle: Garrett's Bend 7.5'
District: Duval County: Lincoln
Latitude: ____ Feet South of: ____ Deg. ____ Min. ____ Sec.
Longitude: ____ Feet West of: ____ Deg. ____ Min. ____ Sec.

Well Type: Oil X Gas ____ WIW ____

Company: East Resources Inc.
5260 Dupont Road
Parkersburg, WV 26101
Agent: Philip S. Ondrusek

Coal Operator or Owner: NA

Coal Operator or Owner: NA

Permit Issued: 9/26/12

AFFIDAVIT

State of West Virginia, County of Wood ss:

Mark Miller and Roger McComas being first duly sworn according to law, depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 15th day of November 2012 and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2252'	2147 (tag)'	8 1/4" - 0	310'
Cement	1752'	1500'	6 5/8" - 284'	1280'
Cement	927'	810'	5 3/16" - 1871'	0
Cement	453'	234'		
Cement	102'	0'	No 10" casing found in well	
	Perforated 6 5/8" Casing - 4 shots, 910' - 810', 450' - 350'.			
	Perforated 8 1/4" Casing - 4 shots, 311'-284'.			
6% Gel Between Cement Plugs				

Description of monument: 7" x 4' and that the work of plugging and filling said well was completed on the 12th day of December, 2012

And further deponents saith not. Mark Miller

Roger McComas

Sworn and subscribed before me this ____ day of ____, 20__

My commission expires: ____

Notary Public ____

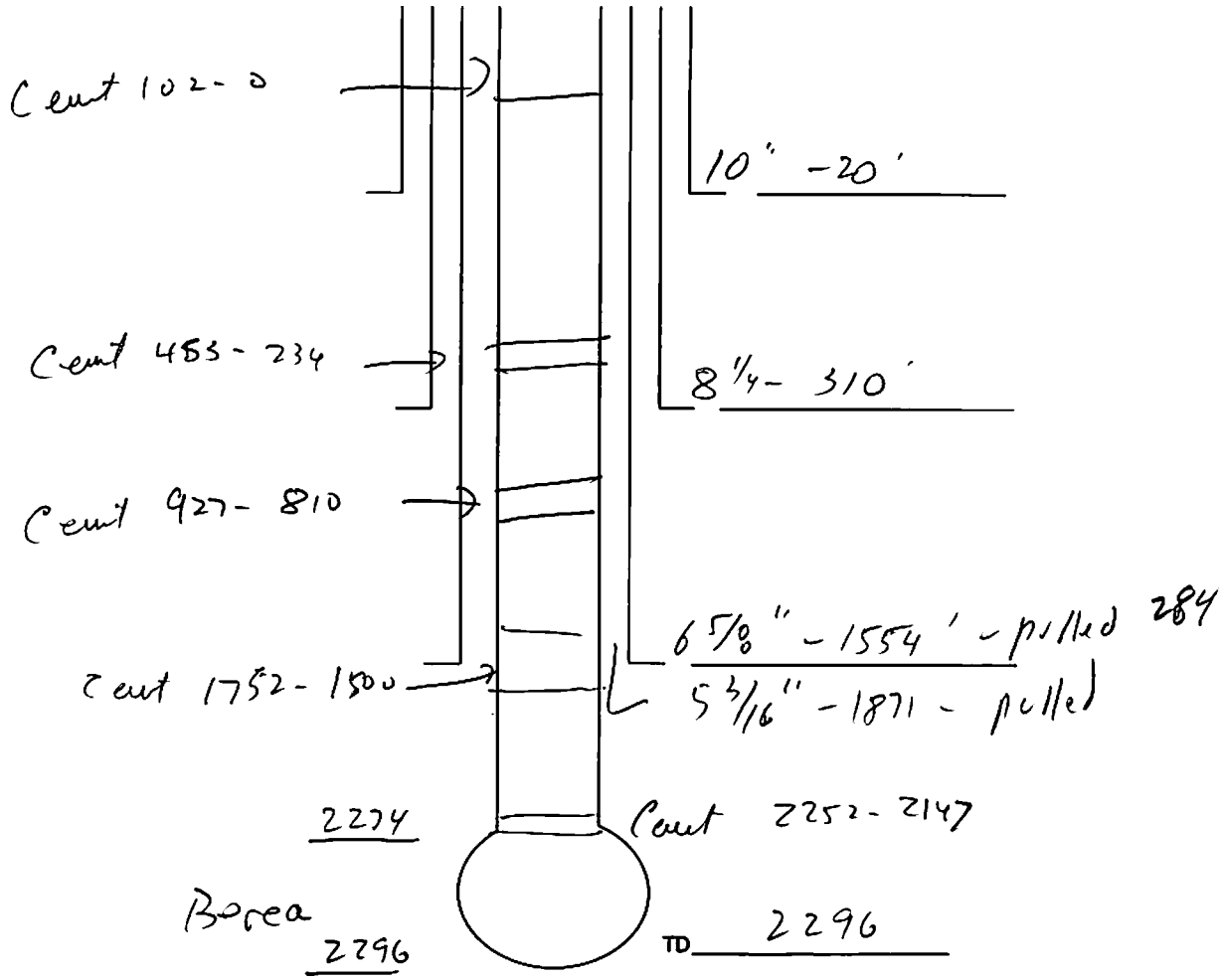
Affidavit reviewed by the Office of Oil and Gas: Randy D. Triplett

Title: District Inspector

James Lawson #1

Griffithsville Unit #2 Field

47-043- 0 2135



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(236)

AOR - Well Review Checklist

API Number: 47- 043 - 0 2136 Area Permit Number: 2R AP
Operator Name: H6 Energy LLC
Operator's Well #: 2
Farm Name: James Lawson
Field Name: Goodhsville Unit 2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2561
Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,095 Northing: 4,234,545
Elevation: 322
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☐	Yes ☒
Packer immediately above injection zone (<100')?		No ☒	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-0 2136

A Hours from { Berea Sand Bbls. Approved,
Sand Bbls. By Supt.

James Lawson, Farm, No. of Lease No. Acres
Duval District Lincoln County West Virginia State.

Well No. Two Date of Location 19

Rig Commenced 19 }
Rig Completed 19 } Contractor.

Drilling Commenced October 21st, 19 08 }
Drilling Completed January 15th, 19 09 } Chamberlin & Company, Contractor.

CASING RECORD

Size	Charged to Well Feet	In	Put in Well Feet	In.	Bottom of Casing Feet	In.	Pulled out of Well Feet	In.	Left in Well Feet	In.	Transferred before completion Feet	In.	Left at well not in use Feet	In.
10	20		20		20				20					
6¼	200		200		200		200							
6-5/8	1860		1860		1860				1860					

Formation	Top	Bottom	Thickness
Coal	320	323	
Salt Sand	1175	1820	
Little Lime	1820	1848	
Pencil Cave	1848	1855	
Big Lime	1855	2035	
Big Injun Sand	2035	2098	
Slate	2098	2170	
Slate & Shells	2170	2350	
Slate	2350	2519	
Black Slate	2519	2539	
Berea Sand	2539	2561	
Total Depth.		2561 ZERO	

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
1	20	09	90			

REMARKS:

Water in Salt Sand at 1205'

ABANDONED 19

Size	Casing Pulled	Casing Left In	

REMARKS: El: 1050 GR

Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Runion, Jerry & Isalene **Operator Well No.:** J. Lawson No. 2

LOCATION: **Elevation:** 1,059 ft. **Quadrangle:** Garrett's Bend 7.5

District: Duval **County:** Lincoln

47-043-02136

Latitude: Feet South of Deg. Min. Sec.

Longitude Feet West of Deg. Min. Sec.

Well Type: OIL XXX GAS _____

Company: East Resources, Inc.
P. O. Box 5519
Vienna, WV 25506

Coal Operator or owner _____

Agent: Philip S. Ondrusek

Coal Operator or owner _____

Permit Issued Date: 10/20/2004

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Jackson ss:

Terry Huffman and Jason Meadows being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Ralph Triplett and Gas Inspector representing the Director, say that said work was commenced on the 6th day of December ,2004 , and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2505	2400	2⅜" Tubing 2522'	-0-
Cement	2120	2020		
Cement	1904	1794	5½" Casing 1500'	460'
Cement	1632	1400		
Cement	1258	1093	7" Casing 149'	1711'
Cement	600	500		
Cement	340	230	8" Casing none in well	532'
Cement	204	-0-		
			10" Casing	20'
All cement plugs have gel between				

Description of monument: 7" casing 5 ft long with API No. 47-4302136-P and that the work of plugging and filling said well was completed on the 29th day of December 2004 .

And further deponents saith not. L L Huffman

Sworn and subscribe before me this 29th day of December , 2004

My commission expires: January 9, 2012

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
CINA M. RAMSEY
624 SMITH CHAPEL
RIPLEY, WV 25271
My Commission Expires JAN. 9, 2012

Notary Public

Oil and Gas Inspector Ralph D Triplett

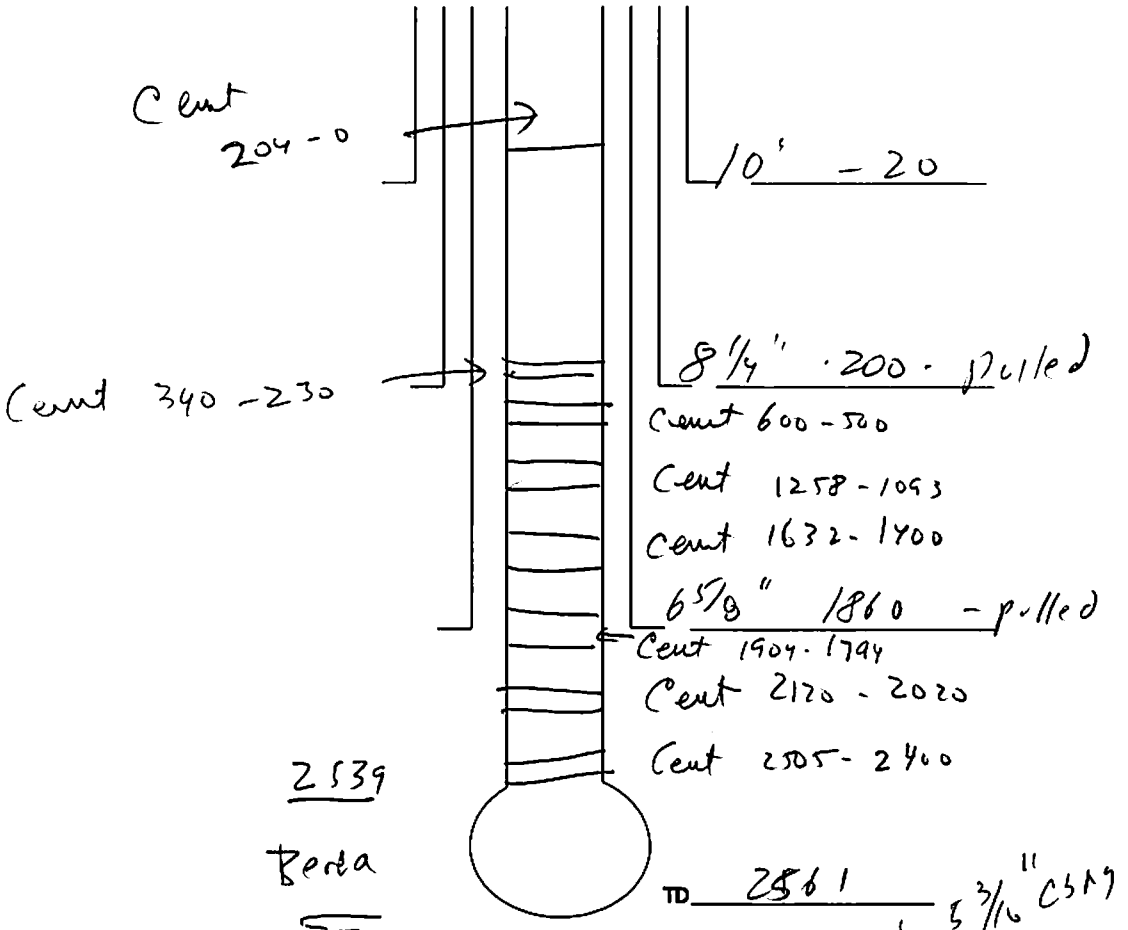
RECEIVED
Office of Oil & Gas
Office of Chief
JAN 26 2005
WV Department of
Environmental Protection

WR-35

James Lawson 2

Griffithsville Unit #2 Field

47-043- 02136



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 0 2137 Area Permit Number: 2R AP
Operator Name: H6 Energy
Operator's Well #: 3
Farm Name: James Lawson
Field Name: Guthrieville Unit # 2 Field Injection Zone:

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☐
TD of well: 2494
Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,094 Northing: 4,234,728
Elevation: 298
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☒	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

Shirley Daniels

47-043-02137

02137

Production
First 24 Hours from { Barrels Sand Date Approved
Sand Date By

Farm, No. of Lease
Parcel District Lincoln County West Virginia
Well No. Three Date of Location 19
Rig Commenced 19 } Contractor
Rig Completed 19 }
Drilling Commenced March 5th 19 08 } Chamberlin & Company Contractor
Drilling Completed April 20th 19 08

CASING RECORD

Size	Casing in Well		Tubing in Well		Left in Ground		Pulled out of Well		Liners in Well		Perforations and Shots		Depth of Shots, Top of Liner	
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
10	16	0	16	0	16	0			16	0				
8¼	201		201		201		201							
6-5/8	1820		1820		1820				1820					

Formation	Top	Bottom	Thickness
White Sand	254	300	
Lime	300	325	
Coal	325	330	
Slate & Lime Shells	330	410	
White Lime	410	1130	
Salt Sand	1130	1770	
Little Lime	1770	1805	
Pencil Cave	1805	1807	
Big Lime	1807	1994	
Big Injun Sand	1994	2080	
Black Slate	2080	2445	
Brown Shale	2445	2470	
Berea Sand	2470	2495	
Total Depth		2495	

SHOT RECORD

Date	Size	No.	Kind	Amount of Shell	Depth Shot	Depth Cleaned Out
4	24	06	80			
10	9	12	120			

Remarks:
Small show Gas at 410'
Gas in Lime at 1130'
Water in Salt Sand at 1130 & 1170'
Small show Gas in Big Lime at 1980'

Casing Pulled

Cas. | Casing Pulled | Casing Left In | Date

Remarks: E-330 65

013-V37

-38

API # 47-043-2137

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

COPY

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: James Lawson Operator Well No.: 3

LOCATION: Elevation: 978.98 Quadrangle: Garretts Bend 7.5
District: Duval County: Lincoln
Latitude: 12700' South of 38 Deg. 17 Min. 30 Sec.
Longitude 8875' West of 81 Deg. 55 Min. 0 Sec.

Well Type: OIL X GAS ____

Company: East Resources Inc.
P.O. BOx 5519
Vienna, WV 26105

Coal Operator or Owner: NA

Agent: Michael McCown
Inspector: Dave Belcher
Permit Issued:

Coal Operator or Owner: NA

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood ss:

Rick Green and Grover Butler being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by East Resources Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 25th day of October, 2001, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2408	2368	6 5/8" - 111'	1709'
Cement	1884	1784		
Cement	1324	1104		
Cement	336	171		
Cement	168	Surface		
6% Gel Between Cement Plugs				
Ripped 6 5/8" Casing @ 1320, 1270		Not Free		
Perforated casing 1125- 1135' (10 Holes)		322-332 (18 Holes)		

Description of monument: 7" x 20' + 5"x 10'

and that the work of plugging and filling said well was completed on the 31st day of October, 2001.

And furthur deponents saith not.

R. A. Green

Grover Butler

Sworn and subscribed before me this 15th day of November, 2001

My Commission expires: 5/17/10

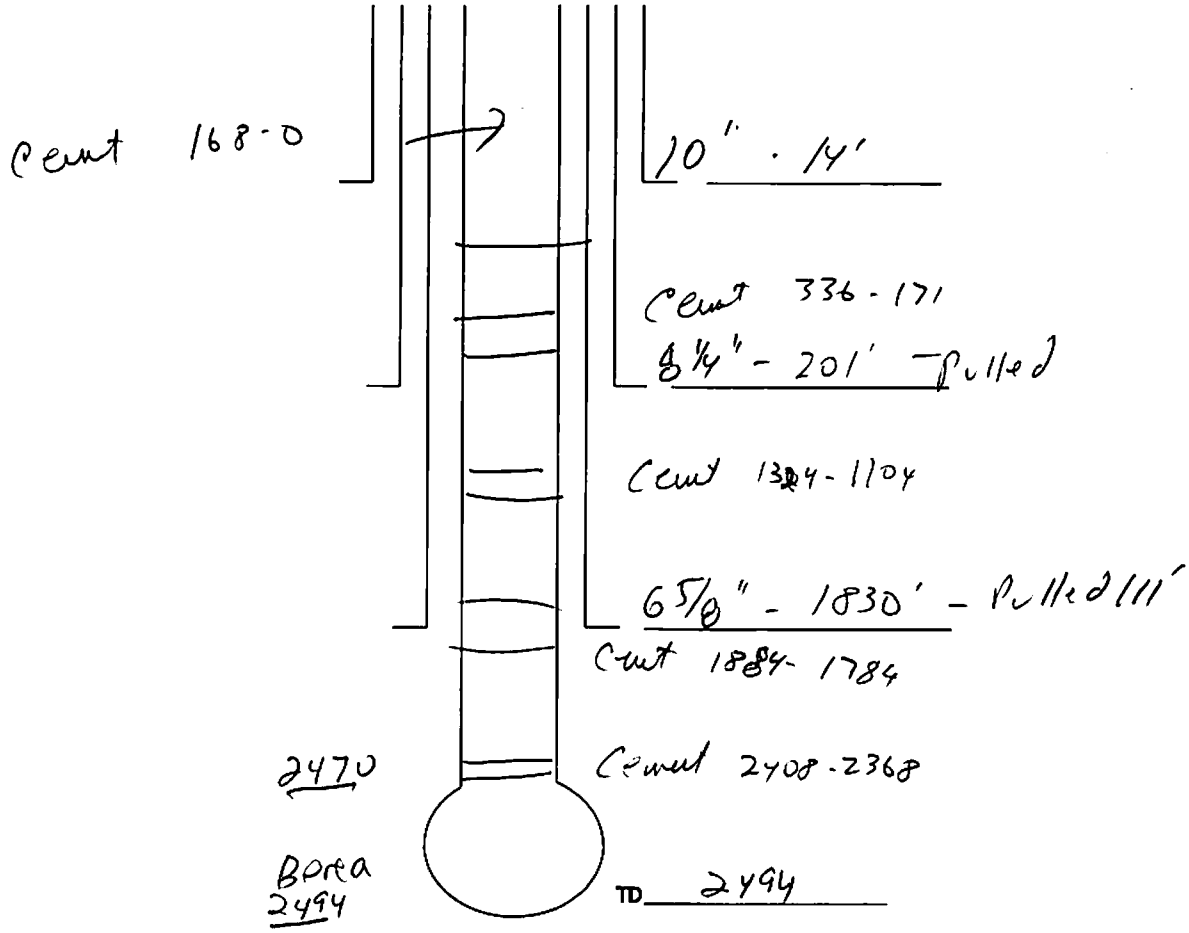
OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
DIRK D. ANDERSON
PennzEnergy
P.O. BOX 5519
VIENNA, WV 26105
My Commission Expires May 17, 2010

Dirk D. Anderson
Notary Public

James Lawson 3

Griffithsville Unit #2 Field

47-043- 02137



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 0 2138 Area Permit Number: 2R AP
Operator Name: H6 Energy
Operator's Well #: 4
Farm Name: James Lawson
Field Name: Gotha Ville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☐
TD of well: 2478
Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,094 Northing: 4,234,926
Elevation: 796
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☐	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

FARM James Lawson WELL (4) ACRES LEASE No. 13033 Map 12442

DISTRICT Duval COUNTY Lincoln STATE W.Va. N. S.80 E. W. 76

G COMMENCED 19 COMPLETED 19 CONTRACTOR

R'G COMMENCED Mar.12th 19 09 COMPLETED May 7th 1909 CONTRACTOR G.L.Titus & Co.

. D. COMMENCED 19 COMPLETED 19 CONTRACTOR

FORMATION

KIND	TOP	BOTTOM	STEEL LINE MEASUREMENT	REMARKS
Salt Sand	1150	1650		
Water	1600			
Slate	1650	1660		
Maxon Sand	1660	1730		
Slate	1730	1740		
Little Lime	1740	1775		
Pencil Cave	1775	1780		
Big Lime	1780	1960		
Big Injun	1960	2015		
e & Shells	2015	2452		
Berea sand	2452	2478		
Total Depth		2478		
Oil	2456			
Gas in Big Injun		2010		

CASING RECORD

SIZE	BOTTOM CASING (STEEL LINE MEAS.)	PUT IN WELL (TALLY MEAS.)	PULLED (TALLY MEAS.)	LEFT IN WHEN ABN'D.
6-5/8"	1785			
5 3/16"	1809			
2" O	2472			
3/4"	2500			

PACKERS

KIND	SIZE	DEPTH SET	DATE SET
Disc Shell	5 3/16 x 6 5/8 x 16	1809	7-16-

TORPEDO RECORD

DATE SHOT	NO. QTS.	SIZE SHELL	TOP SHOT	BOTTOM	RESULT
5-11-09	110				
9-2-12	120				

ABANDONMENT RECORD

FILLED WITH	FROM	TO	SIZE	PLUG KIND	DEPTH

47-043-0 2138

REMARKS

TOTAL DEPTH

PRODUCTION RECORD

24 HOURS BEFORE SHOT SAND BBLS.

24 HOURS AFTER SHOT SAND BBLS.

GAS TEST

APPROVED BY SUP'

API# 47-043-2138

WWR-38

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: James Lawson
LOCATION: Elevation: 971.82'
District: Duval
Latitude: _____
Longitude: _____

Operator Well No.: No. 4
Quadrangle: Garrett's Bend 7.5'
County: Lincoln
Deg. ____ Min. ____ Sec. ____
Deg. ____ Min. ____ Sec. ____

Well Type: Oil X Gas ____ WIW ____

Company: East Resources Inc.
P.O. Box 5519
Vienna, WV 26105
Agent: Philip S. Ondrusek
Inspector: Ralph Triplett
Permit Issued: 7/30/08'

Coal Operator or Owner: NA

Coal Operator or Owner: NA

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood ss:
Mark Miller and Paul Stevens being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by East Resources Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 12th day of November, 2008, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2436'	2300'		
Cement	1948'	1740'	6 5/8" 0'	1785'
Cement	1114'	1000'	5 1/2" 1113'	694'
Cement	856'	750'		
Cement	450'	350'		
Cement	100'	0'		
		Perforated 6 5/8" Csg. 1130' - 1030' (4 Shots), 850'-750'		
		(4 Shots), 450'-350' (4 Shots) & 100'-0' (4 Shots)		
6% Gel Between Cement Plugs				

Description of monument: 5 1/2" x 4'
and that the work of plugging and filling said well was completed on the 17th day of November, 2008
And further deponents saith not.

Bob Miller
Paul Stevens

Sworn and subscribe before me this 3rd day of December 2008

Denise Dulaney
Notary Public

My commission expires Oct. 4, 2016

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
S. DIANNE DULANEY
P. O. Box 5519
Vienna, West Virginia 26105
My Commission Expires Oct. 4, 2016

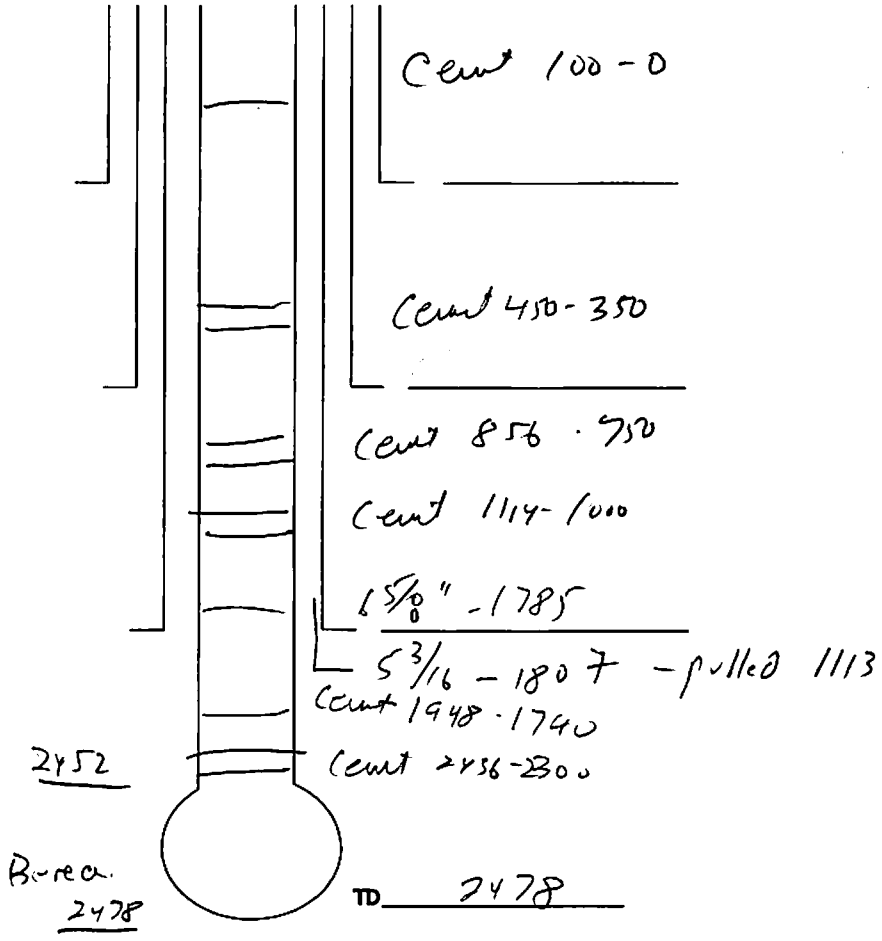
Affidavit reviewed by the Office of Oil and Gas:

Ralph D. Triplett
Title: District Inspector

Jones Lawson #4

Griffithsville Unit #2 Field

47-043- 0 2138



From Drillers Records/Plugging Records

Unable to pull 6 5/8" csng perforated

WYDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

(239)

API Number: 47- 043 -0 2139 Area Permit Number: 2R AP

Operator Name: H6 Energy

Operator's Well #: 5

Farm Name: James Lawson

Field Name: Griffithsville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☒ Abandoned ☐ Plugged ☐

TD of well:

Completion Zones: Devonian Shale Perforated Interval: 3068 - 4109

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,284 Northing: 4,234,065

Elevation: 329

Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☒	Yes ☐	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☐	Yes ☒	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Drilled deeper AND Completed in Devonian Shale
Berea Sealed off prior to DD.

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47.043-02139

FARM James Lawson WELL (5) ACRES LEASE No. 7503

OWNERSHIP OR DISTRICT Duval COUNTY Lincoln STATE W.Va. N. S 80 E. W. 75 Map 124W

RIG COMMENCED 19 COMPLETED 19 CONTRACTOR

DR'G COMMENCED July 8 19 12 COMPLETED Aug. 17t 19 12 CONTRACTOR Holley O & Dev. Co.

L. D. COMMENCED 19 COMPLETED 19 CONTRACTOR

FORMATION

KIND	TOP	BOTTOM	STEEL LINE MEASUREMENT	REMARKS
Red Rock	220	425		
Lime & Slate	425	445		
Sand	445	640		
Coal	640	642		
Slate	642	670		
Sand	670	850		
Slate	850	970		
Sand	970	1040		
Slate lime	1040	1140		
Sand	1140	1160		
Slate & Sand	1160	1200		
Salt Sand	1200	1866		
Little Lime	1866	1891		
Pencil Cave	1891	1896		
Big Lime	1896	2080		
Injun Sand	2080	2130		
Slate	2130	2165		
Slate & Shel	2165	2210		
Squaw Sand	2210	2240		
Lime Shells	2240	2270		
Slate	2270	2562		
Berea Sand	2562	2582		
Total Depth		2582		
Water at	1220			

CASING RECORD

SIZE	BOTTOM CASING (STEEL LINE)	PUT IN WELL (TALLY MEAS.)	PULLED (TALLY MEAS.)	LEFT IN WHEN ABN
6-5/8	1900			
5-3/16	1940			
2" C	2574			
3/16 XX	2003			

PACKERS

KIND	SIZE	DEPTH SET	DATE S

TORPEDO RECORD

DATE SHOT	No. QTS.	SIZE SHELL	TOP SHOT	BOTTOM	RESULT
8-22-12	90				Good

ABANDONMENT RECORD

FILLED WITH	FROM	TO	SIZE	PLUG KIND	DEPTH

REMARKS

TOTAL DEPTH

PRODUCTION RECORD

24 HOURS BEFORE SHOT SAND BBLS.

24 HOURS AFTER SHOT SAND BBLS.

GAS TEST

APPROVED BY

WR-35

19-Aug-03

API # 47 043 2139

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: RUNION, JERRY & ISALENE

Operator Well No.: J. LAWSON 5

LOCATION: Elevation: 1,083.22

Quadrangle: GARRETT'S BEND 7.5'

District: DUVAL
Latitude: 13,100 Feet south of 38 Deg 17 Min 30 Sec.
Longitude: 8,300 Feet west of 81 Deg 55 Min 00 Sec.

County: LINCOLN

Company: EAST RESOURCES, INC.
P.O. BOX 5519
VIENNA, WV 26105-5519

Agent: PHILIP S. ONDRUSEK

Inspector: RALPH TRIPLETT
Permit Issued: 08/19/03
Well work Commenced: 12/22/03
Well work Completed: 01/20/04
Verbal plugging
permission granted on:
Rotary X Cable Rig
Total Depth (feet) 4281
Fresh water depths (ft) NA

Salt water depths (ft) NA
NA

Is coal being mined in area (Y/N) N
Coal Depths (ft): NA

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
6 5/8"	1900.00'	1900.00'	existing
5 3/16"	1940.00'	1940.00'	existing
3 1/2"	4256.00'	4256.00'	50 sks

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 3068-4109
Gas: Initial open flow 0 MCF/d Oil: Initial open flow Bbl/d
Final open flow 17 MCF/d Final open flow * Bbl/d
Time of open flow between initial and final tests Hours
Static rock pressure 94 psig (surface pressure) after 24 Hours

Second producing formation Pay zone depth (ft)
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d
Final open flow MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests Hours
Static rock pressure psig (surface pressure) after Hours

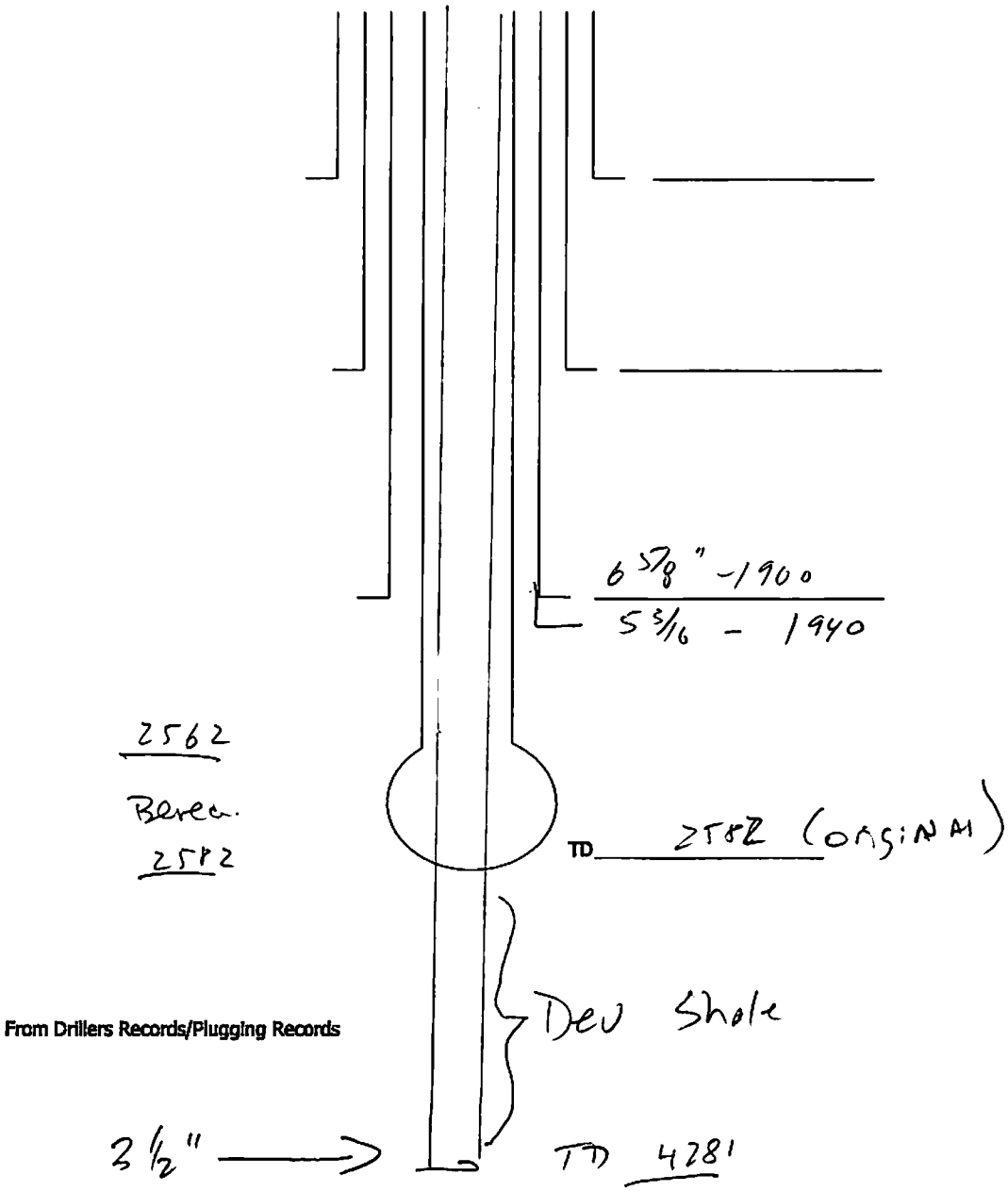
NOTE: ON BACK OF THIS FORM, PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: EAST RESOURCES, INC.
By:
Date: 5/19/04

James Lawson 5

Griffithsville Unit #2 Field

47-043- 0 2139



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

040

AOR - Well Review Checklist

API Number: 47- 043 - 02140 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 6
Farm Name: James Lawson
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2420
Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,360 Northing: 4,234,865
Elevation: 278
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☒	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-02140

0 2140

Production
First 24 Hours from { Berea Sand Bbls. proved.
Sand Bbls. By Supt.

James Lawson, Farm; No. of Lease No. Acres
Duval District Lincoln County West Virginia State
Well No. Six Date of Location 19
Rig Commenced 19 } Contractor.
Rig Completed 19 }
Drilling Commenced June 19th, 1912 } Holley Oil & Dev. Company, Contractor.
Drilling Completed July 31st, 1912 }

CASING RECORD

Size	CHARGED TO WELL Feet	In	PUT IN WELL Feet	In.	BOTTOM OF CASING Feet	In.	PULLED OUT OF WELL Feet	In.	LEFT IN WELL Feet	In.	TRANSFERRED BEFORE COMPLETION Feet	In.	LEFT AT WELL NOT IN USE Feet	In.
6-5/8	1740		1740		1740				1740					

FORMATION	TOP	BOTTOM	THICKNESS
Sand & Slate		270	
Coal	270	275	
Slate & Sand	275	390	
Coal	390	395	
Sand & Slate	395	1035	
Salt Sand	1035	1670	
Slate	1670	1680	
Little Lime	1680	1725	
Big Lime	1725	1930	
Big Injun Sand	1930	1960	
Slate	1960	1990	
Slate & Shells	1990	2380	
Shale	2380	2400	
Berea Sand	2400	2420	

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
8	10	12	90			

REMARKS:

Water in Salt Sand at 1115' & 1135'

ABANDONED ..... 19..

Size	Casing Pulled		Casing Left In		

REMARKS: El= 922.25

API# 47- 043 - 2140

WR-38
Rev. 5/08

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm Name: James Lawson
Location: Elevation: 935'
District: Duval
Latitude: _____ Feet South of: _____ Deg. _____ Min. _____ Sec.
Longitude: _____ Feet West of: _____ Deg. _____ Min. _____ Sec.

Operator Well No.: No.6
Quadrangle: Garrett's Bend 7.5'
County: Lincoln

Well Type: Oil X Gas _____ WIW _____

Company: East Resources Inc.
P.O. Box 5519
Vienna, WV 26105
Agent: Philip S. Ondrusek

Coal Operator or Owner: NA

Coal Operator or Owner: _____

Permit Issued: 9/20/10

AFFIDAVIT

State of West Virginia, County of Wood ss:

Mark Miller and Paul Stevens being first duly sworn according to law, depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 9th day of November, 20 10 and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2400'	2295'	6 5/8" 0'	1740'
Cement	1933'	1690'	5 3/16" 0'	1919'
Cement	1113'	1000'		
Cement	419'	300'		
Cement	152'	0'		
Cement				
	Perforated 5 1/2" casing, 5 shots from 1,749'-1,737' & 1 shot @ 1,701'			
	Perforated 5 1/2" & 6 5/8" casings, 3 shots from 1,052'-1,048' & 1 shot @			
	1,100', 3 shots from 352'-348' & 1 shot @ 400' & 3 shots from 100'-96'.			
	All perforations were high penetration shots			
6% Gel Between Cement Plugs				

Description of monument: 5 1/2" x 4' and that the work of plugging and filling said well was completed on the 18th day of November, 20 10

And further deponents saith not. Mark Miller

Roger McConnell

Sworn and subscribed before me this 8th day of December, 20 10

My commission expires: Nov. 12, 2018

Notary Public Tina L Pethtel

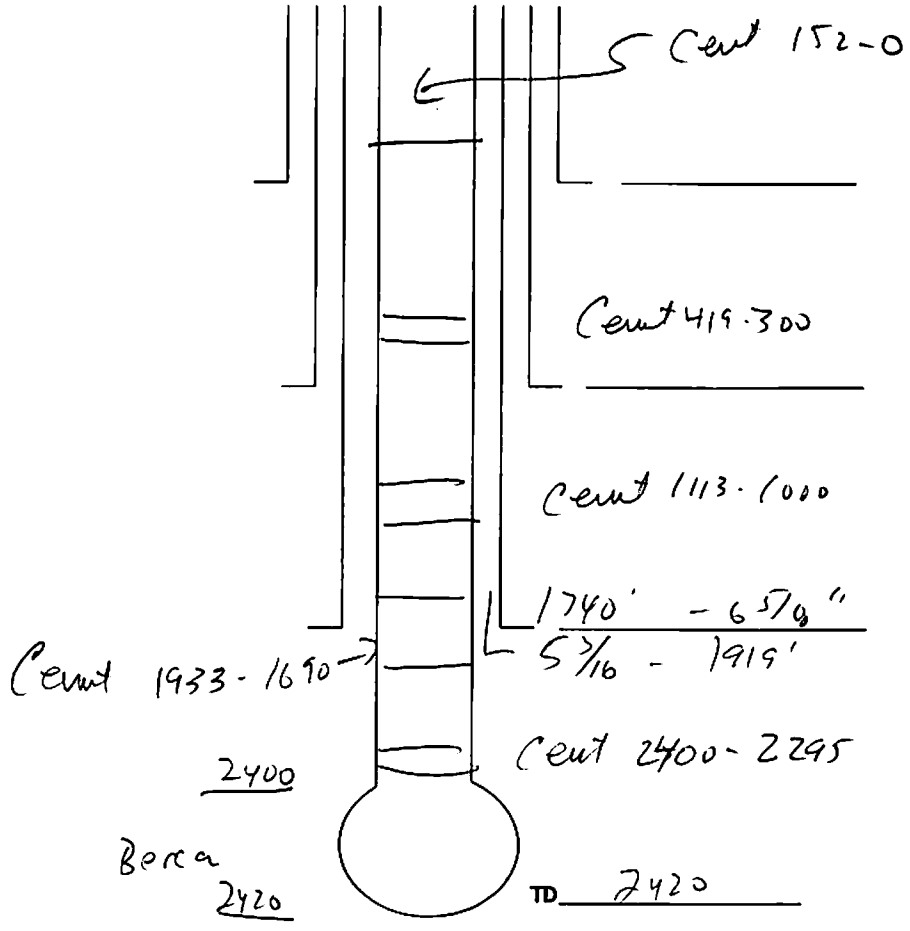
Affidavit reviewed by the Office of Oil and Gas: Ralph D. Triplett

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
TINA L. PETHTEL
East Resources, Inc
P. O. Box 5519
Vienna, West Virginia 26105
My Commission Expires Nov. 12, 2018

James Lawson 6

Griffithsville Unit #2 Field

47-043- 02140



From Drillers Records/Plugging Records

Unable to pull 6 5/8 or 5 3/16" csg - perforated

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 02141 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 7

Farm Name: James Lawson

Field Name: Smithsville Unit #2 Field Injection Zone:

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☐

TD of well: 2548

Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,073 Northing: 4,235,105

Elevation: 320

Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☐	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☐
Well penetrates injection zone?		No ☐	Yes ☐
Well perforated in injection zone?		No ☐	Yes ☐
Cemented across injection zone?		No ☐	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-02141

Production First 24 Hours from { Berea Sand Bbls. / Sand Bbls. } Approved. By Supt.

James Lazaca, Farm, No. of Lease No. Acres.

Duval District Lincoln County West Virginia State.

Well No. Rezen Date of Location 19

Rig Commenced 19 } Contractor.
Rig Completed 19 }

Drilling Commenced May 14th. 1912 } Holley Oil & Dev. Company. Contractor.
Drilling Completed June 28th. 1912 }

CASING RECORD

Size	Charged to Well Feet	In.	Put in Well Feet	In.	Bottom of Casing Feet	In.	Pulled out of Well Feet	In.	Left in Well Feet	In.	Transferred before completion Feet	In.	Left at well not in use Feet	In.
6-5/8	1840		1840		1840				1840					

Formation	Top	Bottom	Thickness
Sand	100	120	
Red Rock & Sand	120	220	
Slate	220	1205	
Salt Sand	1205	1790	
Little Lime	1790	1815	
Pencil Cave	1815	1820	
Big Lime	1820	2010	
Big Injun Sand	2010	2070	
Slate & Lime	2070	2528	
Berea Sand	2528	2548	
Total Depth.		2548	

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
7	9	12	90			
4	17	14	80			

REMARKS:

ABANDONED 19

Size	Casing Pulled	Casing Left in

REMARKS: EJ = 1019 ½

WR-38
14-May-99

API # 47-43-02141-P

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Nay, James W Operator Well No.: James Lawson # 7
LOCATION: Elevation: 1,046.00 Quadrangle: Garretts Bend
District: Duval County: Lincoln
Latitude: 11550 Feet South of 38 Deg. 17 Min. 30 Sec.
Longitude 8950 Feet West of 81 Deg. 55 Min. 0 Sec.

RECEIVED
Office of Oil and Gas
AUG 18 1999
WV Division of Environmental Protection

Well Type: OIL X GAS ____

Company: S. L. Meadows, Jr. Production, Inc.
ROUTE 2 BOX 22
RAVENSWOOD, WV 26164

Coal Operator or owner: N/A

Agent: S. L. Meadows, Jr.

Coal Operator or owner: N/A

Permit Issued:
STATE OF WEST VIRGINIA,
County of ____

AFFIDAVIT

ss:

Jason Meadows and William Ferrebee being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Rod Dillon Oil and Gas Inspector representing the Director, say that said work was commenced on the 23 day of July, 1999, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Gel	2150	2100	No 2⅜ tubing in well	
Cement	2100	2000		
Gel	2000	1900	6¾ Csg 98	
Cement	1900	1800		
Gel	1800	1250		
Cement	1250	1150	Shot 6¾ Csg	1742
Gel	1150	850	1198	
Cement	850	750	801	
Gel	750	550	513	
Cement	550	450	201	
Gel	450	250	98	
Cement	250	150		
Gel	150	100		
Cement	100	-0-		

M J 8/25/99

Description of monument: 5 ½ Csg 5 ft long and that the work of plugging and filling said well was completed on the 30 day of July, 1999.

S. L. Meadows, Jr.

And further deponents saith not.

Sworn and subscribe before me this 2 day of August 1999.
My commission expires: December 24 2007

Official Seal
Notary Public, State of West Virginia
Zelma M. Meadows
Route 2, Oil and Gas Inspector
Ravenswood, WV 26164
My commission expires December 24, 2007

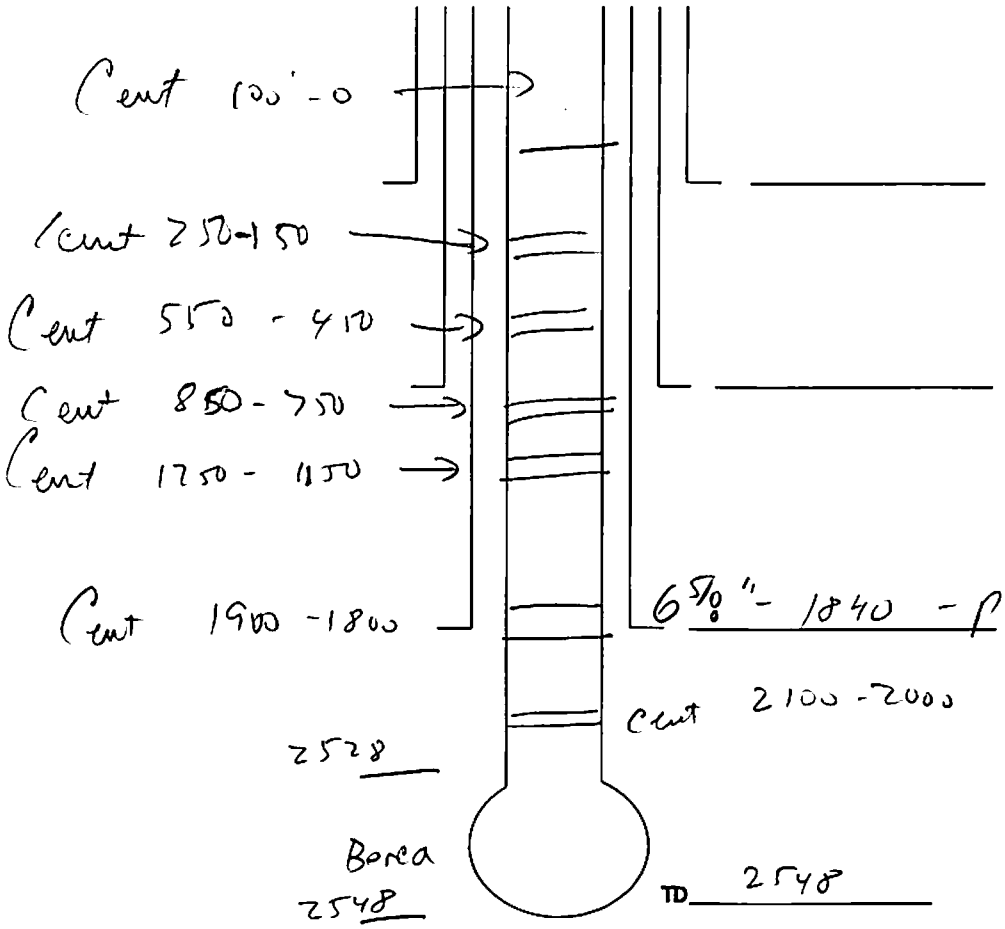
Zelma M Meadows
Notary Public

Kal Dillon

James Lawson 7

Griffithsville Unit #2 Field

47-043- 02141



6 5/8" CSG

Unable to pull

perforated

From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 0 2142 Area Permit Number: 2R AP
Operator Name: H6 Energy
Operator's Well #: 8
Farm Name: James Lawson
Field Name: Griffithsville #2 Field Injection Zone:

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☑ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☐
TD of well: 2524
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,245 Northing: 4,235,359
Elevation: 311
Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☐	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☐
Well penetrates injection zone?		No ☐	Yes ☐
Well perforated in injection zone?		No ☐	Yes ☐
Cemented across injection zone?		No ☐	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-02142

Production First 24 Hours from { Berea Sand Bbls. Approved.
{ Sand Bbls. By Supt.

James Lawson, Farm, No. of Lease No. Acres.
Duval District Lincoln County West Virginia State.
Well No. Eight Date of Location 19
Rig Commenced 19
Rig Completed 19 } Contractor.
Drilling Commenced November 24th, 19 12
Drilling Completed January 17th, 19 13 } Holley Oil & Gas Company, Contractor.

CASING RECORD

Size	Charged to Well Feet	In.	Put in Well Feet	In.	Bottom of Casing Feet	In.	Pulled out of Well Feet	In.	Left in Well Feet	In.	Transferred for Fuel Completion Feet	In.	Left at Well not in Use Feet	In.
8¼	290		290		290		290							
6-5/8	1878		1878		1878				1878					

Formation	Top	Bottom	Thickness
Red Rock	55	255	
Slate & Sand	255	1210	
Salt Sand	1210	1805	
Little Lime	1805	1835	
Pencil Cave	1835	1840	
Big Lime	1840	2020	
Big Injun Sand	2020	2045	
Slate	2045	2140	
Squaw Sand	2140	2175	
Slate	2175	2504	
Berea Sand	2504	2524	
Total Depth.		2524	

SHOT RECORD

Month	Day	Hr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
1	24	13	90			
8	6	14	100			

REMARKS:

Water at 200'

Water in Salt Sand at 1240 & 1270'

ABANDONED Date

Size	Casing Pulled	Casing Left In	

REMARKS: El= 1025

R-38

API # 47-043-02142

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Nay, James Operator Well No.: James Lawson #8

LOCATION: Elevation: 1022' Quadrangle: Garrett's Bend 7.5
District: Duval County: Lincoln
Latitude: 10,975' South of 38 Deg. 17 Min. 30 Sec.
Longitude 8,450' West of 81 Deg. 55 Min. 00 Sec.

Well Type: OIL X GAS ____

Company: East Resources Inc.
P.O. BOx 5519
Vienna, WV 26105

Coal Operator or Owner: NA

Agent: Michael McCown
Inspector: Larry Parrish
Permit Issued: 11/13/02

Coal Operator or Owner: NA

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood ss:

Bill Wade and Terry Huffman being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by East Resources Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 31st day of December, 2002, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2480'	2326'	5 1/2" 1509'	354'
Cement	1960'	1744'	7" 55'	1823'
Cement	1242'	1121'		
Cement	860'	739'		
Cement	550'	429'	Shot 7" Csg Twice	at:
Cement	344'	223'	1197,795,504,299	
Cement	110'	0	Shot 3 times at: 200'	
6% Gel Between Cement	Plugs		Shot twice @ 116'	
			Backed off @ 55'	

Description of monument: 7" x 8'

and that the work of plugging and filling said well was completed on the 16th day of January, 2003.

And furthur deponents saith not.

Bill Wade

Terry Huffman

Sworn and subscribed before me this 6th day of March, 2003

My Commission Expires 10-4-2006

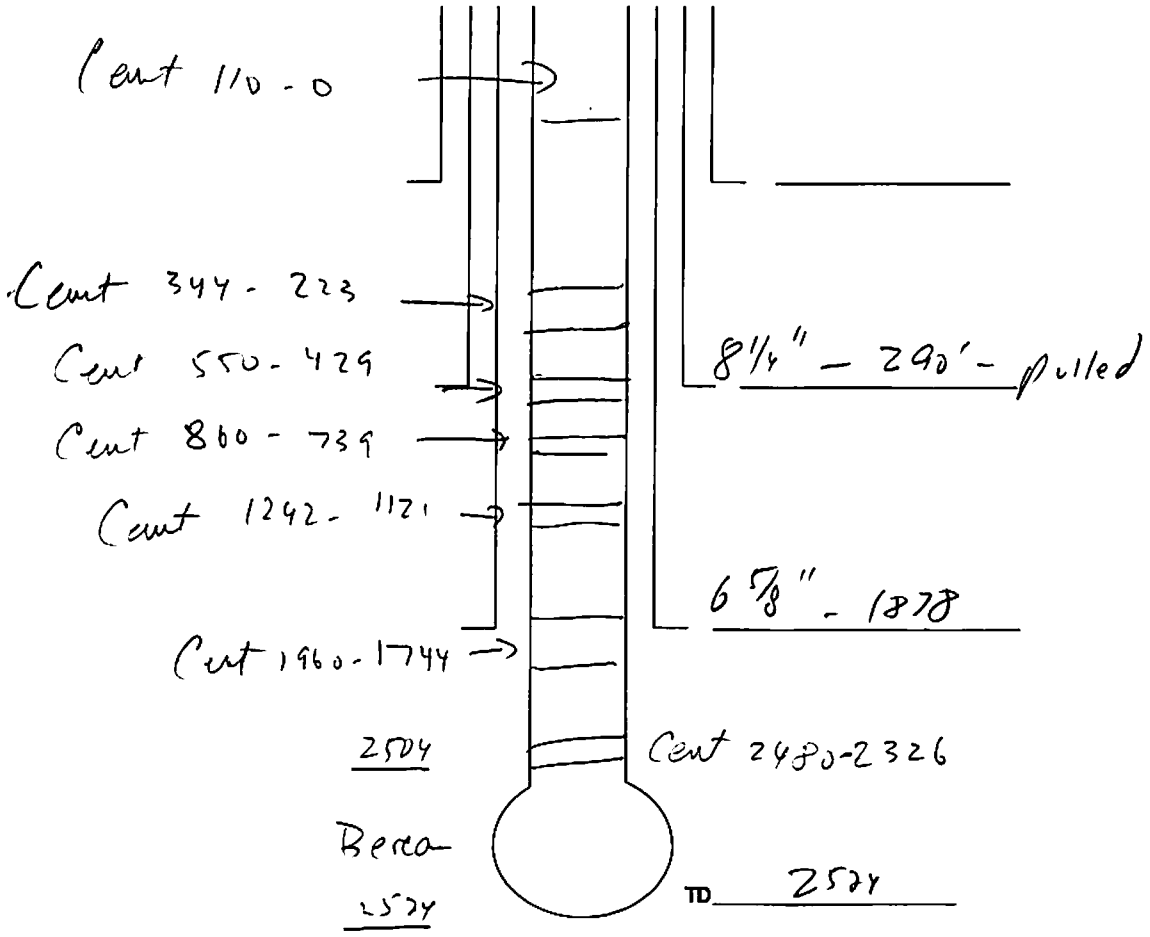
OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
S. DIANNE DULANEY
P.O. Box 5519

S. Dianne Dulaney
Notary Public

James Lawson 8

Griffithsville Unit #2 Field

47-043- 0214



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 0 2 143 Area Permit Number: 2R AP
Operator Name: H G Energy
Operator's Well #: #9
Farm Name: James Lowson
Field Name: Smithsville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☐
TD of well: 2542
Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,437 Northing: 4,235,244
Elevation: 317
Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☐	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☐
Well penetrates injection zone?		No ☐	Yes ☐
Well perforated in injection zone?		No ☐	Yes ☐
Cemented across injection zone?		No ☐	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0
Bottom Hole Injection Pressure 0
Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:
Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47.043-0d143

Production First 24 Hours from { ____ Sand ____ Bbls. Approved. / ____ Sand ____ Bbls. By W.H. Graham Supt.

James Lawson Farm, No. of Lease No. Acres.

Duval District Lincoln County W. Va. State.

Well No. 9 Date of Location May 5th. 1920

Rig Commenced June 26th. 1920
Rig Completed July 6th. 1920 } Eddystone Oil Corp. Contractor.

Drilling Commenced August 15th. 1920
Drilling Completed September 27th. 1920 } Eddystone Oil Corp. Contractor.

CASING RECORD

Size	Charged to Well Feet	In.	Put in Well Feet	In.	Bottom of Casing Feet	In.	Pulled out of Well Feet	In.	Left in Well Feet	In.	Transferred before completion Feet	In.	Left at well not in use Feet	In.
8-1/4	384		363						21					
6-5/8	2027		1883						1883				144	

Formation	Top	Bottom	Thickness
Conductor		13	
Red Mud	13	50	
Slate	50	75	
Red Mud	75	300	
Slate	300	360	
Sand	360	400	
Slate	400	450	
Sand	450	600	
Slate	600	635	
Lime	635	675	
Sand	675	800	
Slate	800	875	
Sand	875	1000	
Lime	1000	1050	
Slate	1050	1170	
Salt Sand	1170	1823	1270' hole
Little Lime	1823	1850	full water
Pencil Cave	1850	1856	
Big Lime	1856	2036	
Big Injun	2036	2081	
Shells	2081	2245	
Slate	2245	2502	
Brown shale	2502	2522	
Berea	2522	2542	Steel line
Oil & Gas	2523	2542	
Total Depth.		2542	Steel line

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
9	29	20	80	19	2523	2548

REMARKS:

6-5/8 Parmaco B.H.Packerset at 1864 steel line measuremant

ABANDONED

Size	Casing Pulled	Casing Left In

REMARKS: El- 1044 75

R-38

API # 47-043-02143

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Nay, James Operator Well No.: James Lawson #9

LOCATION: Elevation: 1042' Quadrangle: Garrett's Bend 7.5'
District: Duval County: Lincoln
Latitude: 11,025' South of 38 Deg. 17 Min. 30 Sec.
Longitude 7,825' West of 81 Deg. 55 Min. 00 Sec.

Well Type: OIL X GAS _____

Company: East Resources Inc.
P.O. BOx 5519
Vienna, WV 26105

Coal Operator or Owner: NA

Agent: Michael McCown
Inspector: Larry Parrish
Permit Issued:

Coal Operator or Owner: _____

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood ss:

Bill Wade and Terry Huffman being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by East Resources Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 12th day of December, 2002, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2511	2371	5 1/2" - 1204'	694'
Cement	1926	1786	6 5/8" - 204'	1679'
Cement	1241	1120		
Cement	1066	945		
Cement	756	635	Shot 5 1/2 twice @ 1492	
Cement	378	257	Shot 7" twice 101	6, 718,320
Cement	243	138		
Cement	100	Surface		
6% Gel Between Cement Plugs				

Description of monument: 7" x 8'

and that the work of plugging and filling said well was completed on the 30th day of December, 2002.

And furthur deponents saith not.

Terry Huffman
Bill Wade

Sworn and subscribed before me this 17th day of January, 2003

My commission expires 5/17/10

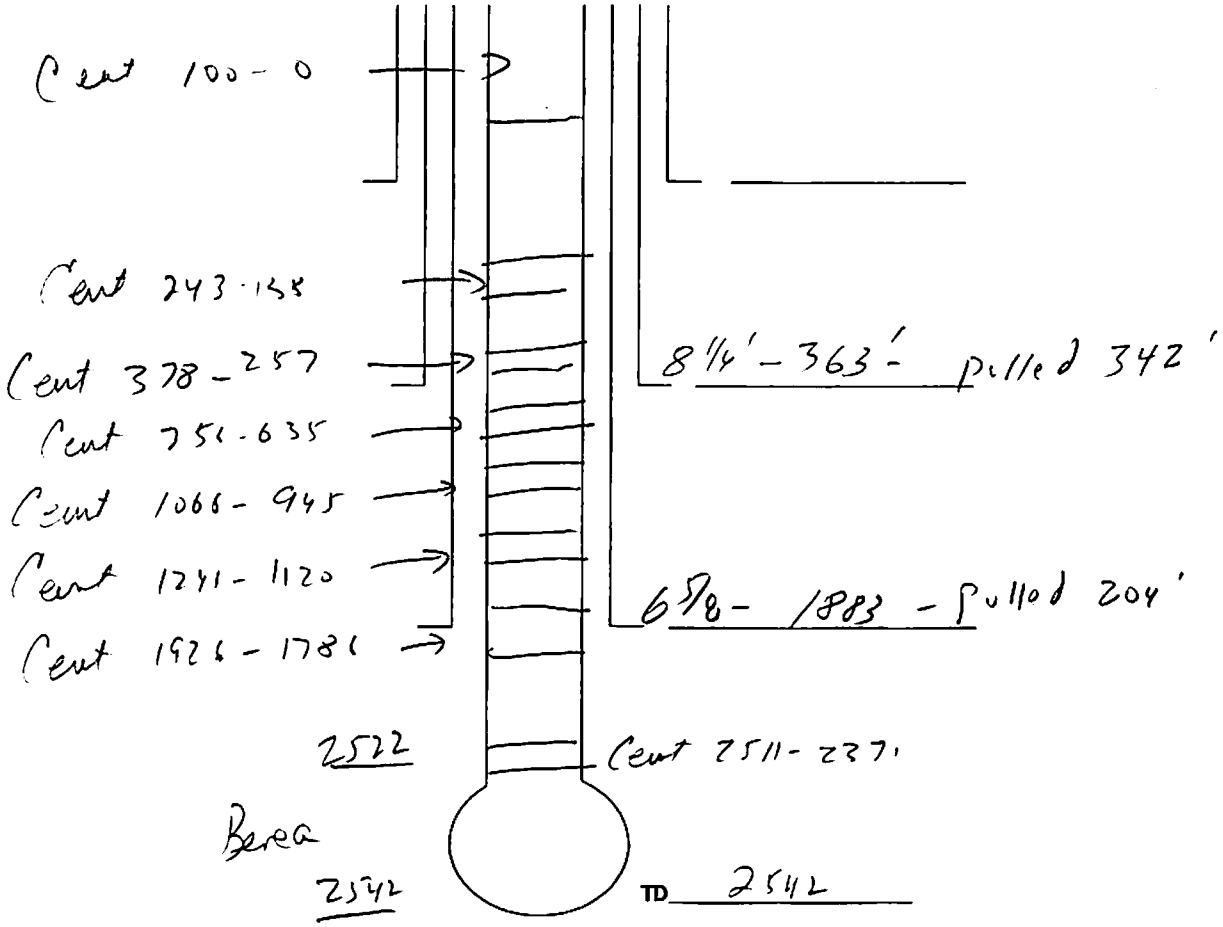
Dirk F. Anderson
Notary Public

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
DIRK F. ANDERSON
PennzEnergy
P. O. BOX 5519
VIENNA, WV 26105
My Commission Expires May 17, 2010

James Lowson #9

Griffithsville Unit #2 Field

47-043- 02143



From Drillers Records/Plugging Records

Pulled 1204' 5 1/2" csng
left 694'
perforated 5 1/2" @
6 5/8" casing

WVDEP OOG Internal Use Only
Rev. 6/14/16

244

AOR - Well Review Checklist

API Number: 47- 043 - 02144 Area Permit Number: 2R AP
Operator Name: H6 Energy
Operator's Well #: 10
Farm Name: James Lewis
Field Name: Griffithsville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☑ Observation ☐ Other ☐
Well Status: Active ☑ Abandoned ☐ Plugged ☐
TD of well: 4448
Completion Zones: Devonian Shale Perforated Interval: 2892 - 4444

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,311 Northing: 4,235,078
Elevation: 276
Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☑	Yes ☐
Date of Last MIT: _____	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☑
Well penetrates injection zone?		No ☐	Yes ☑
Well perforated in injection zone?		No ☑	Yes ☐
Cemented across injection zone?		No ☐	Yes ☑
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☑

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:
Drilled Deeper to Devonian Shale
3 1/2" Csng cemented over Berea.

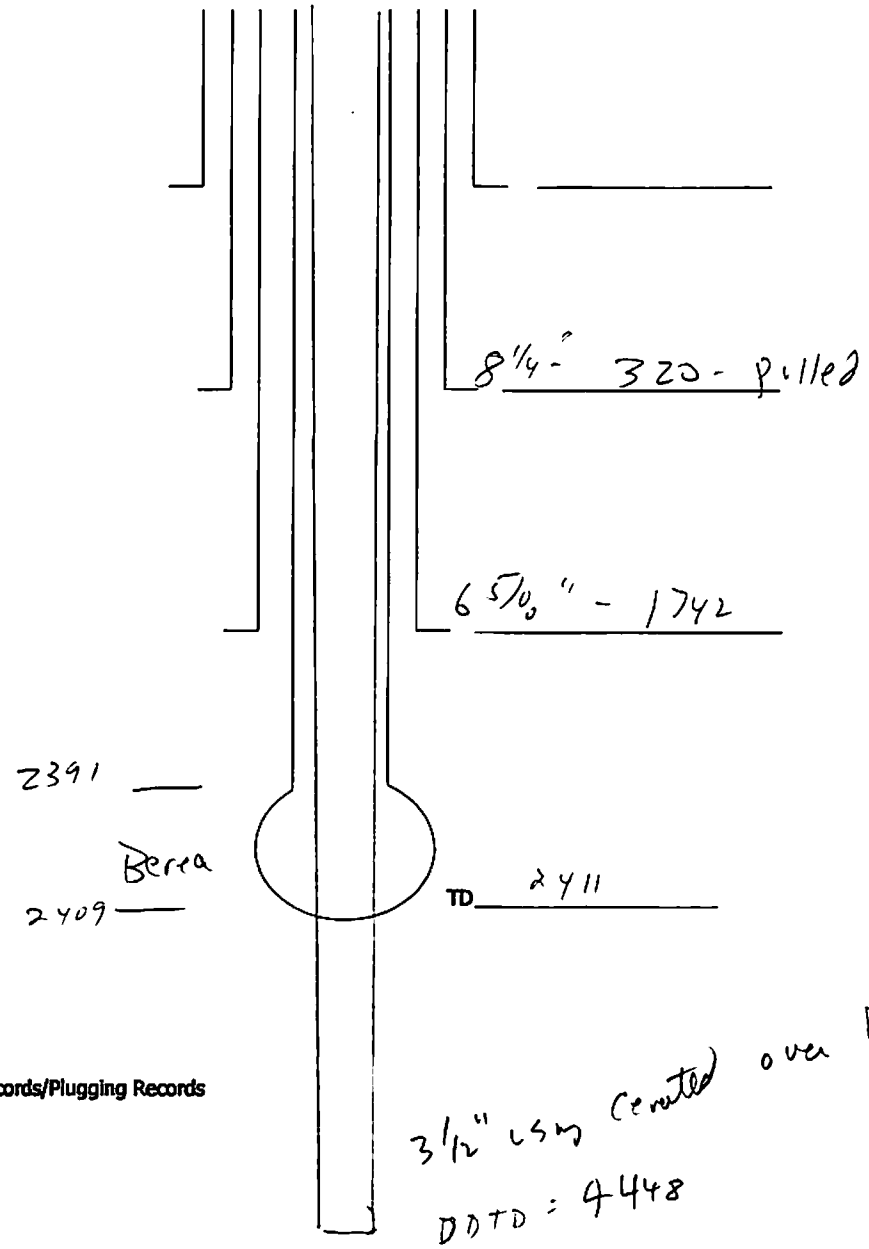
Reviewer Name: _____ Signature: _____
Date Reviewed: _____

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

Jones Lawson 10

Griffithsville Unit #2 Field

47-043- 0 2144



From Drillers Records/Plugging Records

Approved 47.043 - 02144

Production
First 24 Hours from ____ Sand ____ Bbls. By ____ Supt

James Lawson Farm, No. of Lease ____ No. Acres

Duval District Lincoln County West Virginia State

Well No. 10 - 137 Date of Location May 5th, 1920

Rig Commenced July 9th, 1920 }
Rig Completed July 17th, 1920 } Eddystone Oil Corp. Contractor

Drilling Commenced October 2nd, 1920 }
Drilling Completed November 4th, 1920 } Eddystone Oil Corp. Contractor

CASING RECORD

Size	Charged to Well Feet	In.	Put in Well Feet	In.	Bottom of Casing Feet	In.	Pulled out of Well Feet	In.	Left in Well Feet	In.	Transferred before Completion Feet	In.	Left as Well, not in use Feet	In.
8¼	363		320		320		320						363	
6-5/8	1822		1742		1742				1742				80	

Formation	Top	Bottom	Thickness
Conductor		16	
Red Mud	16	160	
Sand	160	200	
Slate	200	240	
Sand	240	300	
Slate	300	325	
Sand	325	375	
Lime	375	400	
Sand	400	750	
Slate	750	825	
Sand	825	900	
Slate	900	980	
Sand	980	1010	
Slate	1010	1060	
Salt Sand	1060	1620	
Maxon Sand	1620	1670	
Slate	1670	1675	
Little Lime	1675	1710	
Pencil Cave	1710	1715	
Big Lime	1715	1895	
Big Injun Sand	1895	1950	
Shells	1950	2120	
Slate	2120	2371	
Brown Shale	2391	2411	S.L.2411
Oil & Gas	2391	2409	
Total Depth,		2411	S.L.2411

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
11	8	20	80	18	2391	2409

REMARKS:

Hole Full Water at 1130'
1723' -6-5/8" Casg. S.L.

ABANDONED ____ 19__

Size	Casing Pulled	Casing Left In	

REMARKS:

6-5/8" Parmaco B.H.Reckers
1723' Steel Line Meas.
El = 912.60

WR-35

12/06/2006

API # 47 43 2144

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

COPY

Farm name: MESSINGER, TERRENCE Operator Well No.: J. LAWSON 10

LOCATION: Elevation: 910.9' Quadrangle: GARRETT'S BEND 7.5'

District: DUVAL County: LINCOLN
Latitude: 11,575 Feet south of 38 Deg 17 Min 30 Sec.
Longitude: 8,225 Feet west of 81 Deg 55 Min 00 Sec.

Company: EAST RESOURCES, INC.
P.O. BOX 5519
VIENNA, WV 26105-5519

Agent: PHILIP S. ONDRUSEK

Inspector: RALPH TRIPLETT
Permit Issued: 12/06/06
Well work Commenced: 07/10/07
Well work Completed: 08/23/07
Verbal plugging
permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 4448'
Fresh water depths (ft) _____

Salt water depths (ft) _____

Is coal being mined in area (Y/N) N
Coal Depths (ft): NA

Casing/ tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
6 5/8"	1742'	*existing*	
3 1/2"	4446.65'	4446.65'	60 sks

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 2892'-4444'
Gas: Initial open flow 5 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 35 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock pressure 450 psig (surface pressure) after 168 Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM, PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: EAST RESOURCES, INC.
By: _____
Date: 12/19/07

WVDEP OOG Internal Use Only
Rev. 6/14/16

245

AOR - Well Review Checklist

API Number: 47- 043 - 0 2145 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 11

Farm Name: James Lawson

Field Name: Gnatty ville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☒ Abandoned ☐ Plugged ☐

TD of well: 4375

Completion Zones: Devonian Shale Perforated Interval: 2970 - 4259

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,643 Northing: 4,235,225.

Elevation: 303

Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT: _____	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☐	Yes ☒
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth: _____	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Drilled deeper to Devonian Shale.
3½" Csg reeled over, Berea

Reviewer Name: _____ Signature: _____

Date Reviewed: _____

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-02145

/s 24 Hours from { ____ Sand ____ Bbls. Approved. ____ Sand ____ Bbls. By ____

James Lawson Farm, No. of Lease 210 No. Acres

Duval District Lincoln County West Va. State

Well No. 11 253 Date of Location June 28th 1920

Rig Commenced July 19th 1920 } Eddystone Oil Corp Contractor

Rig Completed July 30th 1920 }

Drilling Commenced November 10th 1920 } Eddystone Oil Corp Contractor

Drilling Completed December 14th 1920 }

CASING RECORD

Size	Changed to Well Feet	In.	Put in Well Feet	In.	Bottom of Casing Feet	In.	Pulled out of Well Feet	In.	Left in Well Feet	In.	Transferred before completion Feet	In.	Left at which put in Feet	In.
8-1/4	364		348						348				16	
6-5/8	1915		1830						1830				85	

RECEIVED
Office of Oil & Gas
Permitting
JUL 16 2001
WV Department of
Environmental Protection

Formation	Top	Bottom	Thickness
Conductor		16	
Red Mud	16	280	
Sand	280	320	
Slate	320	350	
Sand	350	400	
Slate	400	475	
Sand	475	500	
Slate	500	550	
Coal	550	557	
Sand	557	600	
Lime	600	640	
Sand	640	700	
Slate	700	775	
Sand	775	850	
Lime	850	900	
Sand	900	1000	
Slate	1000	1120	
Salt Sand	1120	1729	
Maxon Sand	1729	1769	
Little Lime	1769	1799	
Pencil Cave	1799	1806	
Big Lime	1806	1985	
Big Injun Sand	1985	2035	
Shells	2035	2200	
Slate Shells	2200	2462	
Brown Shale	2462	2482	
Berea Sand	2482	2500	
Total Depth,		2500	

SHOT RECORD

Month	Day	Yr.	Size Shot	Depth of Shell	Top of Shot	Bottom of Shot
Dec	17	20	60	16	2484	2500

REMARKS:

ABANDONED

Size	Casing Pulled	Casing Left In

REMARKS:

WR-35

8-Aug-01

API # 47 043 02145

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

COPY

Well Operator's Report of Well Work

Farm name: East Resources Inc — Operator Well No.: James Lawson No. 11

LOCATION: Elevation: 1001.63' — Quadrangle: Garrets Bend 7.5'

District: Duval — County: Lincoln

Latitude: 11,050 Feet south of 38 Deg 17 Min 30 Sec.

Longitude: 7,100 Feet west of 81 Deg 55 Min 00 Sec.

Company: EAST RESOURCES, INC.
P.O. BOX 5519
VIENNA, WV 26105-5519

Agent: MICHAEL MCCOWN

Inspector: Dave Belcher

Permit Issued: 08/08/01

Well work Commenced: 10/31/01

Well work Completed: 12/14/01

Verbal plugging permission granted on:

Rotary X Cable Rig

Total Depth (feet) 4375'

Fresh water depths (ft) NA

Salt water depths (ft) NA

Is coal being mined in area (Y/N) N

Coal Depths (ft): NA

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
6 5/8"	1830'	1830'	Existing
5 1/2"	2504'	2504'	150 Sacks
3 1/2"	4363'	4363'	60 Sacks

OPEN FLOW DATA

Producing formation Devonian Shale — Pay zone depth (ft) 2970-4259

Gas: Initial open flow 5 MCF/d — Oil: Initial open flow ____ Bbl/d

Final open flow 46 MCF/d — Final open flow ____ Bbl/d

Time of open flow between initial and final tests ____ Hours

Static rock pressure 270 psig (surface pressure) after 42 Hours

Second producing formation ____ — Pay zone depth (ft) ____

Gas: Initial open flow ____ MCF/d — Oil: Initial open flow ____ Bbl/d

Final open flow ____ MCF/d — Final open flow ____ Bbl/d

Time of open flow between initial and final tests ____ Hours

Static rock pressure ____ psig (surface pressure) after ____ Hours

NOTE: ON BACK OF THIS FORM, PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: EAST RESOURCES, INC.

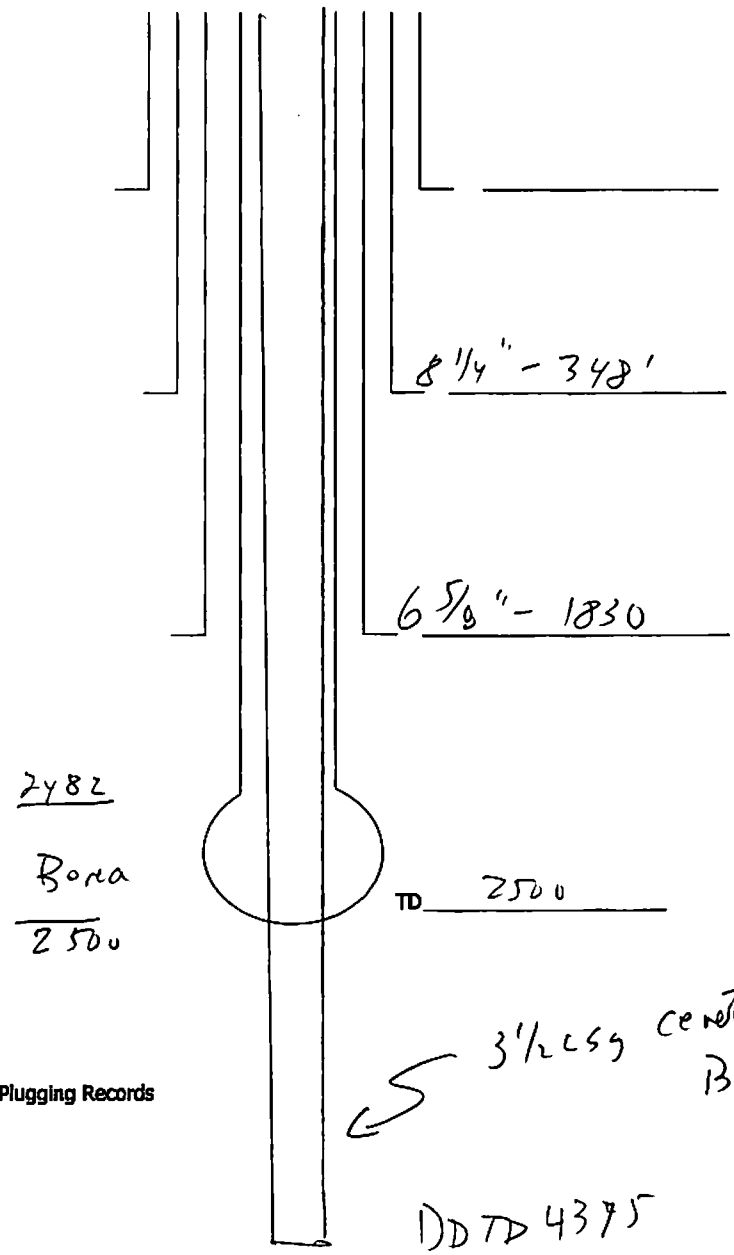
By: [signature]

Date: 1/11/02

James Lawson #11

Griffithsville Unit #2 Field

47-043- 02145



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

246

API Number: 47- 043 - 02146 Area Permit Number: 2R AP

Operator Name: H6 Energy

Operator's Well #: 1

Farm Name: M 6 Lawson

Field Name: Griffithsville Unit 2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2392

Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 418,081 Northing: 4,235,828

Elevation: 269

Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-02146

SM-3-22

11 Mi. NW from Tango Waters of Rossa Fork of Trace Fork

FARM M. G. Lawson WELL (1) RES LEASE NO.

TOWNSHIP OR DISTRICT Duval COUNTY Lincoln STATE W. Va. N. S. 80 E. W.

BEG. COMMENCED 19 COMPLETED 19 CONTRACTOR

DR'G COMMENCED 12-23 19 20 COMPLETED 2-3 19 21 CONTRACTOR Eddystone Oil Corpar

D. D. COMMENCED 19 COMPLETED 19 CONTRACTOR

FORMATION

KIND	TOP	BOTTOM	STEEL LINE MEASUREMENT	REMARKS
Conductor		11		
Red Mud	11	260		
Sand	260	300		
Slate	300	340		
Sand	340	387		
Coal	387	390		
Sand	390	500		
Slate	500	520		
Sand	520	560		
Slate	560	570		
Sand	570	670		
Slate	670	720		
Lime	720	800		
Sand	800	900		
Lime	900	925		
Slate	925	1025		
Lime	1025	1050		
Salt Sand	1050	1610		
[illegible]en Sand	1610	1650		
[illegible]ttle Lime	1650	1680		
Pencil Cave	1680	1686		
Big Lime	1686	1871		
Big Injun	1871	1926		
Slate & Shell	1926	2352		
Brown Shale	2352	2372		
Berea Sand	2372	2392	2372	
Oil	2378	2392		
TOTAL DEPTH			2392	

CASING RECORD

SIZE	BOTTOM CASING (STEEL LINE)	PUT IN WELL (TALLY MEAS.)	PULLED (TALLY MEAS.)	LEFT WHEN
6 5/8	1700	1720		
5 3/16"	1755			
2"C	2342			
3/4"Z	3000			

PACKERS

KIND	SIZE	DEPTH SET	DAT
Parmago B. H. Mechanical Packer	6 5/8 x 5 3/16	1700 1755	11/2

TORPEDO RECORD

DATE SHOT	NO. QTS.	SIZE SHELL	TOP SHOT	BOTTOM	RE
2-7-21	60	4½	2372	2390	
11-21-39	60	2-4¼"	2373	2390	Bom

ABANDONMENT RECORD

FILLED WITH	FROM	TO	PLUG SIZE	PLUG KIND	DE

REMARKS

PRODUCTION RECORD

24 HOURS BEFORE SHOT SAND BBLS.

24 HOURS AFTER SHOT SAND BBLS.

GAS TEST

APPROVED BY

WR-38
Rev. 5/08

API# 47- 043 - 2146

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm Name: M.G. Lawson
Location: Elevation: 883'
District: Duval
Latitude: _____ Feet South of: _____ Deg. _____ Min. _____ Sec.
Longitude: _____ Feet West of: _____ Deg. _____ Min. _____ Sec.

Operator Well No.: No.1
Quadrangle: Garrett's Bend 7.5'
County: Lincoln

Well Type: Oil X Gas _____ WIW _____

Company: East Resources Inc.
P.O. Box 5519
Vienna, WV 26105
Agent: Philip S. Ondrusek

Permit Issued: 11/23/09

Coal Operator or Owner: NA

Coal Operator or Owner: _____

RECEIVED
Office of Oil & Gas
JAN 12 2010
WV Department of Environmental Protection

AFFIDAVIT

State of West Virginia, County of Wood ss:

Mark Miller and Paul Stevens being first duly sworn according to law, depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above operator, and participated in the work of plugging and filling the above well, that said work was commenced on the _____ day of _____, 20____ and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED		LEFT
Cement	2361'	2260'	6 5/8"	0'	1720'
Cement	1865'	1700'	5 3/16"	1755'	0'
Cement	1024'	924'			
Cement	456'	350'			
Cement	119'	0'			
		Perforated 6 5/8" Casing, 3 Shots, from 952' - 948',			
		402' - 398' & 100' - 96'.			
6% Gel Between Cement Plugs					

Description of monument: 5 1/2" x 8' and that the work of plugging and filling said well was completed on the 29th day of December, 20 09

And further deponents saith not. Mark Miller
Roger McConnell

Sworn and subscribed before me this 7 day of desember, 20 09

My commission expires: Nov. 12, 2018

Notary Public Tina L Pethtel

Affidavit reviewed by the Office of Oil and Gas: Joseph D Triplett

Title: District Inspector

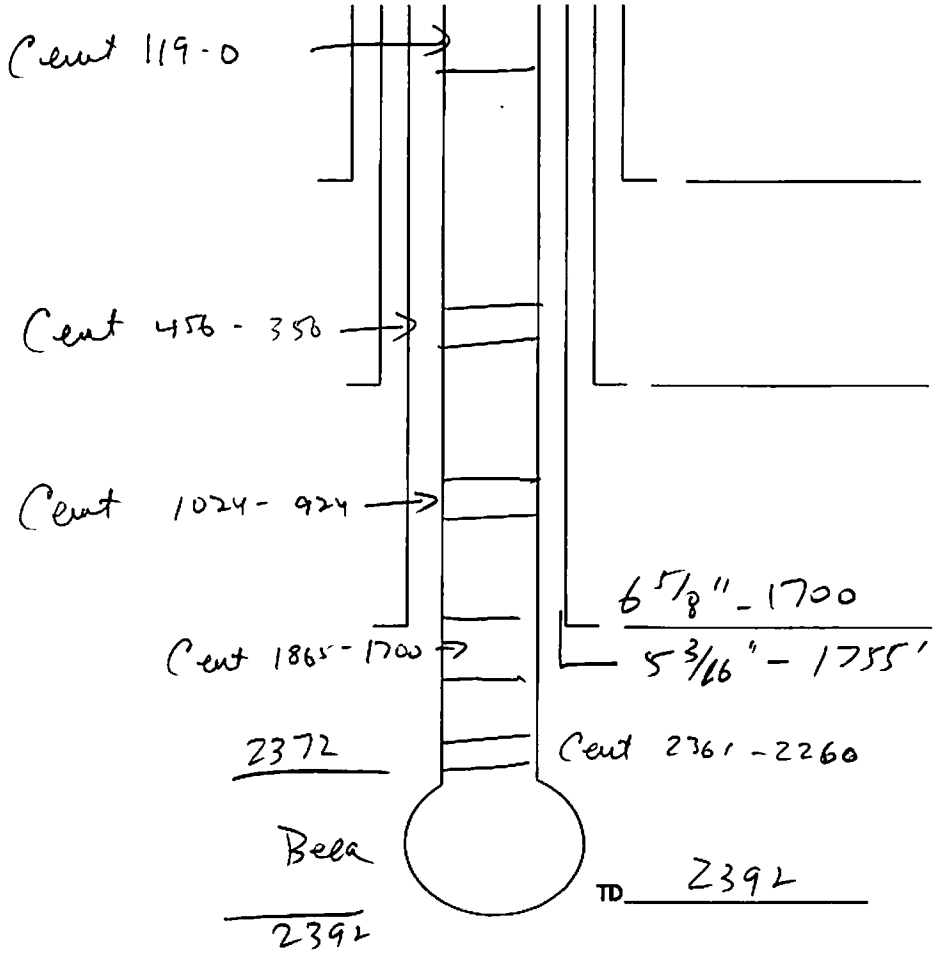
OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
TINA L. PETHTEL
East Resources, Inc
P. O. Box 5519
Vienna, West Virginia 26105
My Commission Expires Nov. 12, 2018

From Drillers Records/Plugging Records

M 6 Lowson 1

Griffithsville Unit #2 Field

47-043- 02146



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

247

AOR - Well Review Checklist

API Number: 47- 043 - 70148 Area Permit Number: 2R AP
Operator Name: H6 Engy
Operator's Well #: 1
Farm Name: M Adon + Tackett
Field Name: Guthrie Hz Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2309
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,685 Northing: 4,232,784
Elevation: 245
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Need wr 38 - NA

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-70148

Record of Well No. 1 on Wilson and Tackett Farm ... Acres 6 Griffith

Field, Duval District Lincoln County ...

Rig Commenced ... 19..., Completed ... 19...

Boring Commenced Aug 5th 1908, Completed Sept 13th 1908

Contractor, Driller Blue Address, Griffithsville

Driller's Names, Mary Lucas and Ellsworth Lilly

CONDUCTOR AND CASING USED IN DRILLING.

	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6¼ inch	6¼ inch	5¼ inch	5 inch	4¼ inch
Conductor				310		1615				

CONDUCTOR AND CASING LEFT IN WELL.

	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6¼ inch	6¼ inch	5¼ inch	5 inch	4¼ inch
Conductor						1615				

OIL WELL — GAS WELL

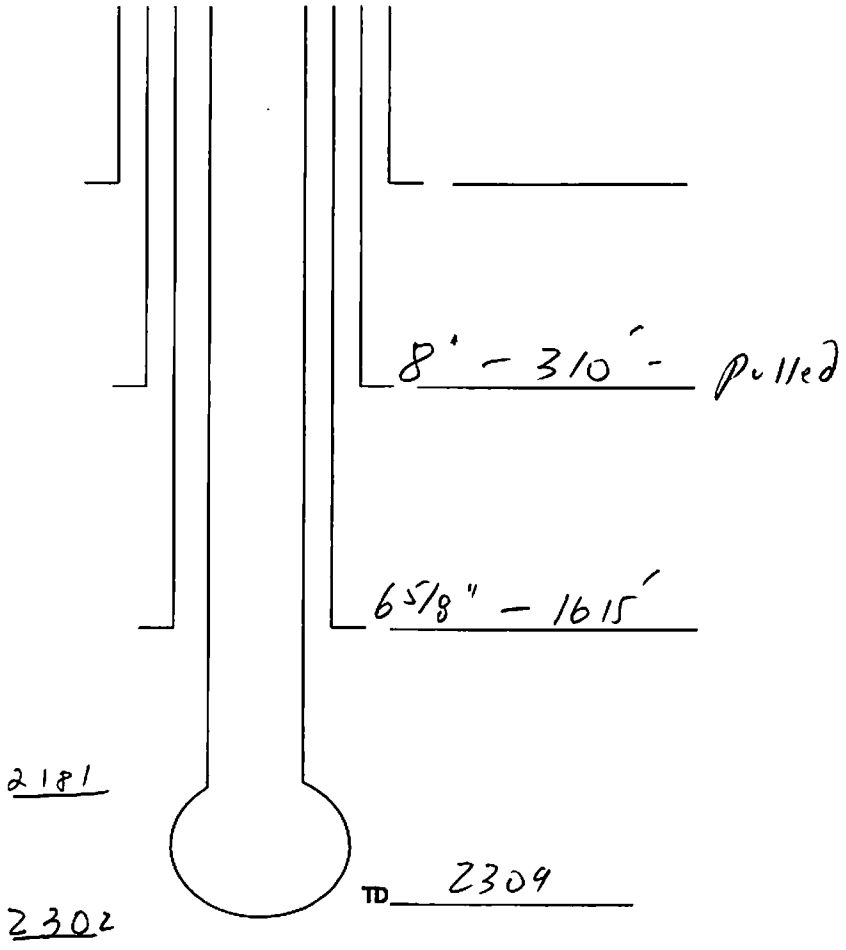
When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
			10 inch	90 ft 3/4	3/4 Shot	10 inch	200 ft.			

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
				EJ 79627
Soil		5	5	
Sand	5	25	20	
Slate	25	70	45	
Sand	70	90	20	
Coal	90	95	5	
Sand	95	125	30	
Slate	125	150	25	
Sand	150	180	30	
Red Rock	180	195	15	
Sand	195	300	105	8 Bailers water at 225 ft.
Slate and Shell	300	395	95	
Sand	395	440	45	
Slate and Shell	440	486	46	
Sand	486	575	89	
Slate and Shell	575	685	110	
Sand	685	750	65	
Black Slate	750	950	200	
Salt Sand	950	1525	575	Hole filled full of water at 1050 ft.
Black Slate	1525	1535	10	
Sand	1535	1580	45	
Black Sand	1580	1605	25	
Pencil Cave	1605	1610	5	
Big Lime	1610	1800	190	
Injun	1800	1880	80	
Slate and Shell	1880	2150	270	
Sand	2150	2180	30	
Slate	2180	2260	80	
Slate	2260	2281	21	
1st Berea Sand	2281	2302	21	1/4 Sand &
Total Depth		2309	7	" pencil ft.

Mason + Tackett #1

Griffithsville Unit #2 Field

47-043- 0 70148



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

(248)

API Number: 47- 043 - 30271 Area Permit Number: 2R AP

Operator Name: HG Energy

Operator's Well #: 2

Farm Name: Mason + Tackett

Field Name: Gnatthsville #2 Field Injection Zone: _____

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2332

Completion Zones: Berea. Perforated Interval: _____

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415,382 Northing: 4,232,895

Elevation: 252

Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☐	Yes ☐
Date of Last MIT: _____	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☐
Well penetrates injection zone?		No ☐	Yes ☐
Well perforated in injection zone?		No ☐	Yes ☐
Cemented across injection zone?		No ☐	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: _____ Signature: _____

Date Reviewed: _____

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

41-043-30271

Record of Well No. 2 on Wm. Mitchell Farm 5 Acres

Field, Eastern District Jefferson County

Rig Commenced 19 Completed 19

Drilling Commenced Dec 29 1908. Completed Feb 11 1909

Cost per foot, 1.75 Contractor Address

Drillers' Names,

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6¼ inch	6¼ inch	5¼ inch	5 inch	4¼ inch
12				320		1635				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6¼ inch	6¼ inch	5¼ inch	5 inch	4¼ inch
12						1635				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

GAS WELL

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		10	10	
	10	30	20	
	30	50	20	
	50	150	100	
	150	210	60	
	210	214	4	
	214	315	101	
	315	330	15	Natural Gas from 10 to 5" at 320
	330	355	25	
	355	361	6	
	361	485	124	
	485	510	25	
	510	580	70	
	580	600	20	
	600	630	30	"Abandoned" Feb. 26, 1942.
	630	715	85	
	715	730	15	
	730	930	200	
	930	960	30	
	960	970	10	
	970	1583	613	Salt water with natural gas 945 ft.
	1583	1618	35	
	1618	1623	5	
	1623	1735	112	
	1735	1845	110	
	1845	1950	105	
	1920	2254	334	
	2254	2304	20	
	2304	2325	21	
	2326	2332		

47-043 - 3027

FORM OG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

South Penn Natural Gas Company — COAL OPERATOR OR OWNER (If any)
Union Trust Bldg. Parkersburg, W.Va. — ADDRESS

COAL OPERATOR OR OWNER — ADDRESS

LEASE OR PROPERTY OWNER
(Same as above) — ADDRESS

SOUTH PENN NATURAL GAS COMPANY — NAME OF WELL OPERATOR
Union Trust Building, Parkersburg, W.Va. — COMPLETE ADDRESS

May 4, 1942.

WELL AND LOCATION

Duval District
Lincoln County
Well No. 2
Mason & Tackett Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Clay Wade and Jay Wilson being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by South Penn Natural Gas Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 27th day of January, 1942, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
Perea	Clay	2332	2284			
	Cement	2284	2274			
Permanent Bridge		1875		6-5/8"- 1635' ------		
B. Inj; B. Lime	Clay	1875	1635			
B. Lime	Clay	1635	1603			
	Cement	1603	1593			
L. Lime	Clay	1593	1563			
	Cement	1563	1553			
Salt Sand	Clay	1553	950			
	Cement	950	940			
	Clay	940	391			
	Clay	335	244			
	Clay & Rock	190	to surface			

COAL SEAMS				DESCRIPTION OF MONUMENT
(NAME) No Name	Cement	391	335	8-1/4" csg.ext. 3' above surface-
(NAME) No Name	Cement	244	190	filled with concrete. Inscribed-
(NAME)				S.P.N G.Co.-Mason & Tackett #2,
(NAME)				Abd. Feb. 26-1942,

and that the work of plugging and filling said well was completed on the 26th day of February, 1942.

And further deponents saith not.

Clay Wade

Sworn to and subscribed before me this 14 day of May, 1942.

J. R. Smith
Notary Public.

My commission expires: Dec. 7 - 1947

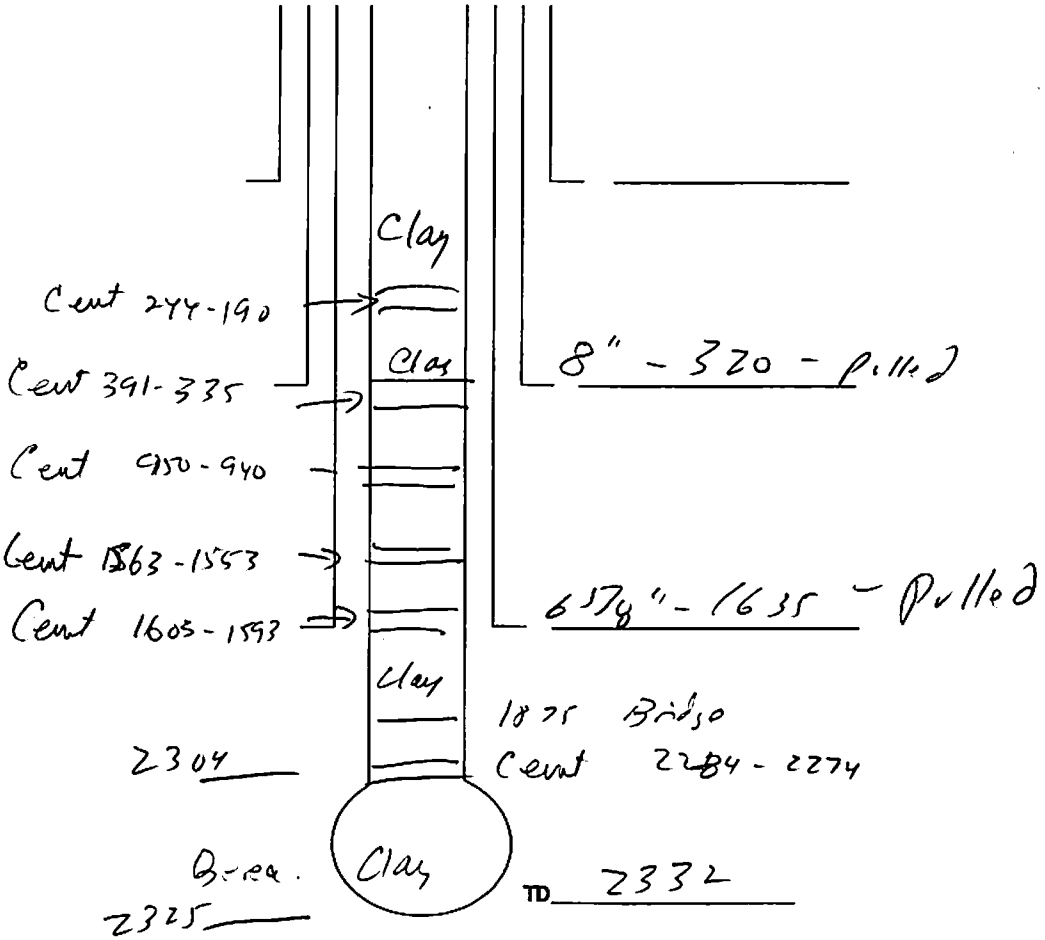
Permit No. LIH-271

JACKSON PRINTING COMPANY, CHARLESTON, W. VA.

Mason + Tackett #2

Griffithsville Unit #2 Field

47-043- 30271



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30731 Area Permit Number: 2R AP

Operator Name: H6 Energy

Operator's Well #: 3

Farm Name: Mason + Tuckett

Field Name: Griffithsville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2603

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415 435 Northing: 4,233,284

Elevation: 333

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47.043 - 30731

Record of Well No. 3 on Mason & Taggart Farm ... Acres Unknown
Well Field, Dunn District Lincoln County, ...
Commenced ... 19..., Completed ... 19...
Drilling Commenced May 12th 1907, Completed June 28th 1907
Cost per foot, 1½ Contractor, Walker Bros Address, Jane Lew, W. Va.
Driller's Names, A. Lynch & Ed Briggs

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6¼ inch	6¼ inch	5¼ inch	5 inch	4½ inch
10						1920				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6¼ inch	6¼ inch	5¼ inch	5 inch	4½ inch
10						1920				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	
6/21	40 qts	22 Bbls	1½	1603	1570

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		10	10	10 96.35
Red Rock	10	90	80	10" hole reduced at 500'
Gray Sand	90	105	15	
Red Rock	105	150	45	Encounter water 675 to
Slate	150	190	40	drill with, dynamite
Sand	190	245	55	Exhausted to 1½ enough
Red Rock	245	300	55	
Gray Sand	300	360	60	Top of Salt Sand 1270'
Red Rock	360	500	140	
White Sand	500	525	25	Hole filled with water
Slate Shale	525	560	35	at 1325 ft.
Black Slate	560	660	100	
Dark Sand	660	675	15	
Black Slate	675	700	25	Slight showing of oil
White Sand	700	725	25	in first sand,
White Slate	725	775	50	filled up 200 ft in hole
Dark Sand	775	810	35	drilling 2nd sand.
White Slate	810	835	25	
White Sand	835	885	50	
Coal	885	890	5	
Black Slate & Shells	890	1155	265	
Sand	1155	1170	15	
Black Slate	1170	1270	100	
Salt Sand	1270	1870	600	
Little Lime	1870	1910	40	
Pencil Cave	1910	1915	5	
White Lime	1915	2075	160	
Big Injun	2075	2135	60	
Black Slate	2135	2581	446	
Berea Sand	2581	2603	22	

47-043-30731

FORM GG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
LEASE OR PROPERTY OWNER
ADDRESS

NAME OF WELL OPERATOR: G. S. & H. Supply Co.
COMPLETE ADDRESS: Box 895, Tulsa, Okla.
WELL AND LOCATION: May 23, 1949
District: Duval
County: Lincoln
Well. No. 3
Farm: Mason & Tackett

STATE INSPECTOR SUPERVISING PLUGGING: Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

John Wright and John Curtis, being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by G. S. & H. Supply Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 16th day of May, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Cement & rock	2561	2546	6-5/8	1920	0
	Clay	2546	2450			
	Cement	2450	2440			
	Cement & rock	2133	2118			
	Clay	2118	1950			
	Cement	1950	1940			
	Cement & rock	1300	1285			
	Clay	1285	1250			
	Cement	1250	1240			
	Cement & rock	250	235			
	Clay	235	surface			

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
Cement block
G. S. & H. Supply
Mason & Tackett #3
5-20-49

and that the work of plugging and filling said well was completed on the 20th day of May, 19 49.

And further deponents saith not.

John Wright
John Curtis

Sworn to and subscribed before me this 26 day of May, 1949.

J. R. Thomas
Notary Public.

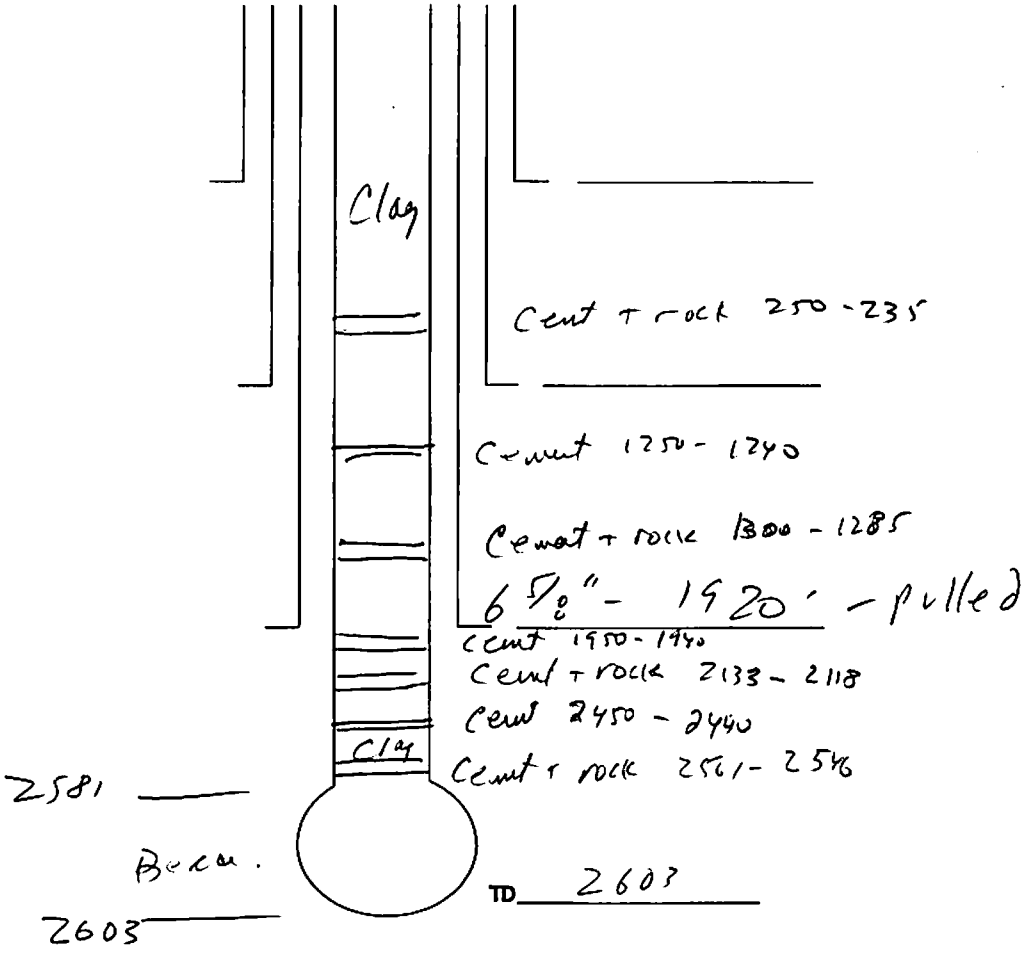
My commission expires:
Oct-9-1957

Permit No. LIN-731

Mason + Tackett 3

Griffithsville Unit #2 Field

47-043- 30731



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(250)

AOR - Well Review Checklist

API Number: 47- 043 - 30984 Area Permit Number: 2R AP
Operator Name: H G Energy
Operator's Well #: 4
Farm Name: Mason T Tackett
Field Name: Smithsville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2921
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,626 Northing: 4,232,975
Elevation: 274
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47.043 - 30984

Record of Well No. 4 on Mason & Hickell Farm ... Acres ...

Field, Lucas District Lawrence County, Washington

Rig Commenced ... 19..., Completed ... 19...

Drilling Commenced Sept 22 1904, Completed Nov 9 1904

Cost per foot, 1.10 Contractor, Wilder Bros Address, Sawtelle

Drillers' Names, Jas Ralston and E D Burkhardt

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6¼ inch	6¼ inch	5¼ inch	5 inch	4¼ inch
10'				435'		1740				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6¼ inch	6¼ inch	5¼ inch	5 inch	4¼ inch
10						1740				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
11/6/04	Qts	2nd Nat Prod	2 Inch	2200 ft

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Alluvium		9	9	435' 10" hole made
Sand	9	23	14	8" Casing cased
Red Rock	23	63	40	
Slate	63	108	45	5" factor water at 1115'
Sand	108	160	52	Hole filled up at 1165'
Slate	160	250	90	
Sand	250	390	140	El = 539.5'
Coal	390	395	5	
Slate	395	402	7	
Sand	402	424	22	
Slate	424	465	41	
Sand	465	585	120	
Slate	585	610	25	
Sand	610	690	80	
Slate	690	714	24	
Coal	714	740	26	
Slate	740	760	20	
Sand	760	880	120	
Slate	880	915	35	
Sand	915	980	65	
Slate	980	1030	50	
Lime	1030	1050	20	
Salt Sand	1050	1700	650	
Black Lime	1700	1735	35	
Pencil Cave	1735	1740	5	
Big Lime	1740	1915	175	
Big Injun	1915	1995	80	
Berea Slate	1995	2398	403	
Berea Sand	2398	2419	21	
Berea Rock	2421			

47-043 - 30984

FORM OG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

P. J. & L. Supply Company
NAME OF WELL OPERATOR

c/o Hallie Pack, Hamlin, West Virginia
COMPLETE ADDRESS

February 12 19 51
WELL AND LOCATION

Duval District

Lincoln County

Well No. 4

Mason & Tackett Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Ray Thompson and Kelly Roberts being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 29 day of January, 19 51, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Bridge Set At	2399'		6-5/8"	394'	1346'
	Neat Cement	2399'	2389'	5-3/16"	1778'	None
	Crushed Stone	5'		2"	2413	None
	Clay		1760'			
	Neat Cement	1760'	1750'			
	Crushed Stone	5'				
	Bridge Set At	1670'				
	Neat Cement	1670'	1660'			
	Crushed Stone	5'				
	Clay		1030'			
	Neat Cement	1030'	1020'			
	Crushed Stone	5'				
	Bridge Set At	400'				
	Neat Cement	400'	390'			
	Crushed Stone	5'				
COAL SEAMS	Sealing Fresh Water			DESCRIPTION OF MONUMENT		
(NAME)	Clay to Surface			Erected Marker According		
(NAME)				Rule 18, 1931 Regulations		
(NAME)						
(NAME)						

FEB 1951

and that the work of plugging and filling said well was completed on the 7 day of February, 19 51.

And further deponents saith not.

Ray Thompson
Kelly Roberts

Sworn to and subscribed before me this 21 day of Feb., 1951.

James C Ashworth
Notary Public.

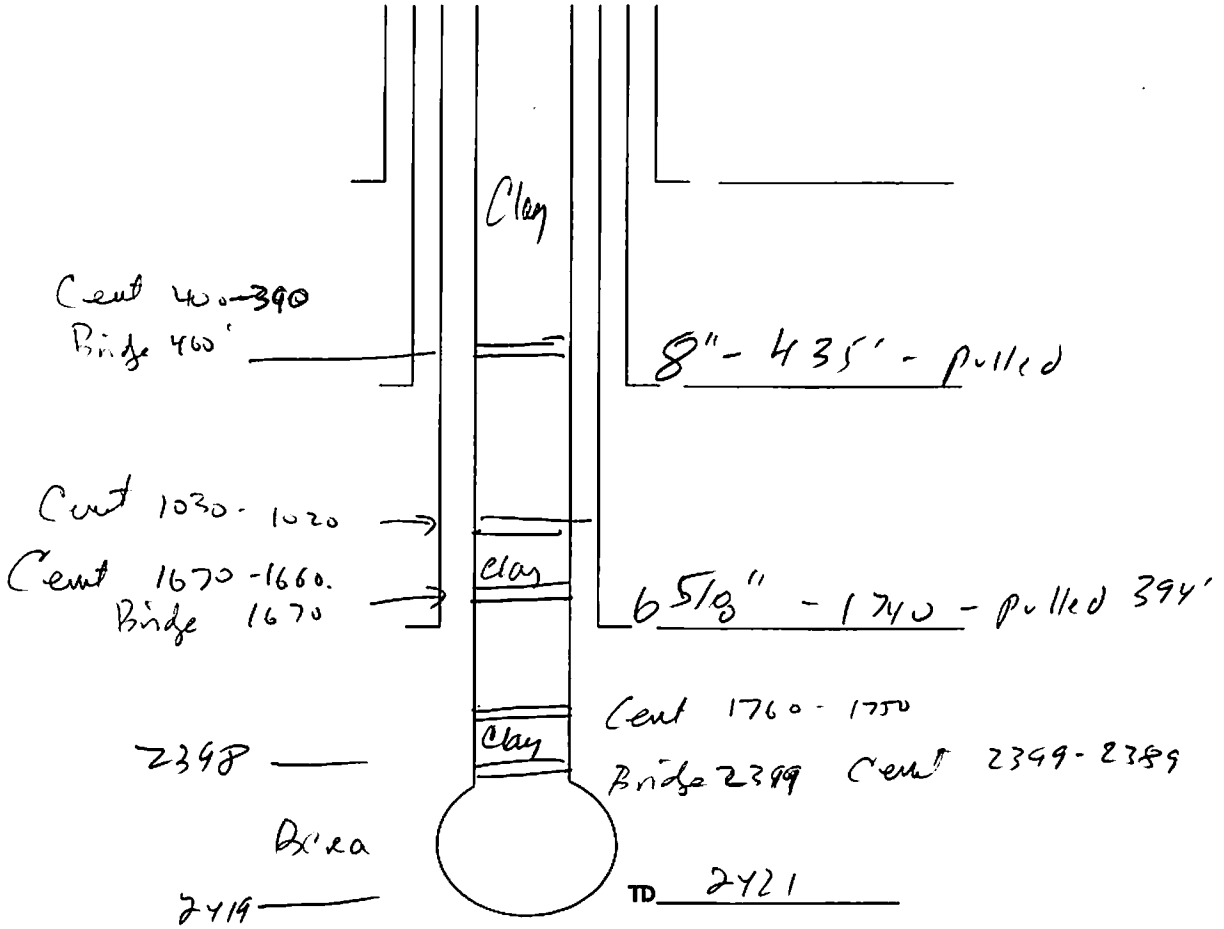
My commission expires:
My Commission Expires March 10, 1960

Permit No. LIN-984

Mabon + Tolbett 4

Griffithsville Unit #2 Field

47-043-30984



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30738 Area Permit Number: 2R AP

Operator Name: HG Energy

Operator's Well #: 5

Farm Name: Mason + Tackett

Field Name: Goff Vallr #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2409

Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415,520 Northing: 4,233,115

Elevation: 280

Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☑	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47.043-30738

RECORD of Well No. 5 on Mason & Tacket Farm Acres Difficult
ville Field, Duval District Lincoln County W. Va.
Rig Commenced ..... 19..., Completed ..... 19...
Drilling Commenced Nov 19 1909, Completed Dec 10 1910
Cost per foot, 1.10 Contractor, Walker Bros Address, Huntington, W. Va.
Drillers' Names, Jas Mundell, Davy Cumbaugh, Jas Dalton, Italy Cunningham

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4¼ Inch
12						1724				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4¼ Inch
12						1724				

OIL WELL / GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
1911	90qt	2nd Shot 3/5/11		240 qt.						

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS El=9
Soil		12	12	400' 10" hole casing used after this got water in. Salt Sand at 1130'
				Big burned down Dec 8 Had same about Dec 18 started repairing Dec 23, Shut down for water & Gas Dec 30 Started again Jan 11-1910 after standing of log burned until Feb 19 at 1400 ft and up.
Salt Sand	1040	1670	630	
Black Sand	1670	1711	41	
Berea Grit	1711	1713	2	
White Sand	1713	1885	172	
Injun Sand	1885	1945	60	
Berea Shale	1945	2360	415	
Brown Shale	2360	2388	28	
Berea Sand	2388	2409	21	

47-043-30738

FORM 04-5

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

NAME OF WELL OPERATOR: G.S.H. SUPPLY CO.

COMPLETE ADDRESS: Box 895, Tulsa, Okla.

WELL AND LOCATION: May 29, 19 49

Duval District

Lincoln County

Well No. 5

Mason & Tackett Farm

STATE INSPECTOR SUPERVISING PLUGGING: Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

John Wright and John Curtis being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by G. S. & H. Supply, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 20th day of May, 19 49, and that the well was plugged and filled in the following manner:

COAL SEAM OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CSG LEFT IN
	Cement & rock	2368	2353	6-5/8"	1672	0
	Clay	2353	2275	5-3/16"	90	0
	Cement & rock	2275	2260			
	Cement & rock	1945	1930			
	Clay	1930	1754			
	Cement & rock	1754	1739			
	Cement & rock	1150	1135			
	Clay	1135	1020			
	Cement & rock	1020	1005			
	Cement & rock	250	235			
	Clay	235	surface			

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
Cement block
G. S. & H.
Mason & Tackett #5
5-26-49

JUN 1949
WEST VIRGINIA
DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 26th day of May, 19 49.

And further deponents saith not.

John Wright
John Curtis

Sworn to and subscribed before me this 31 day of May, 1949.

J R Osborne
Notary Public.

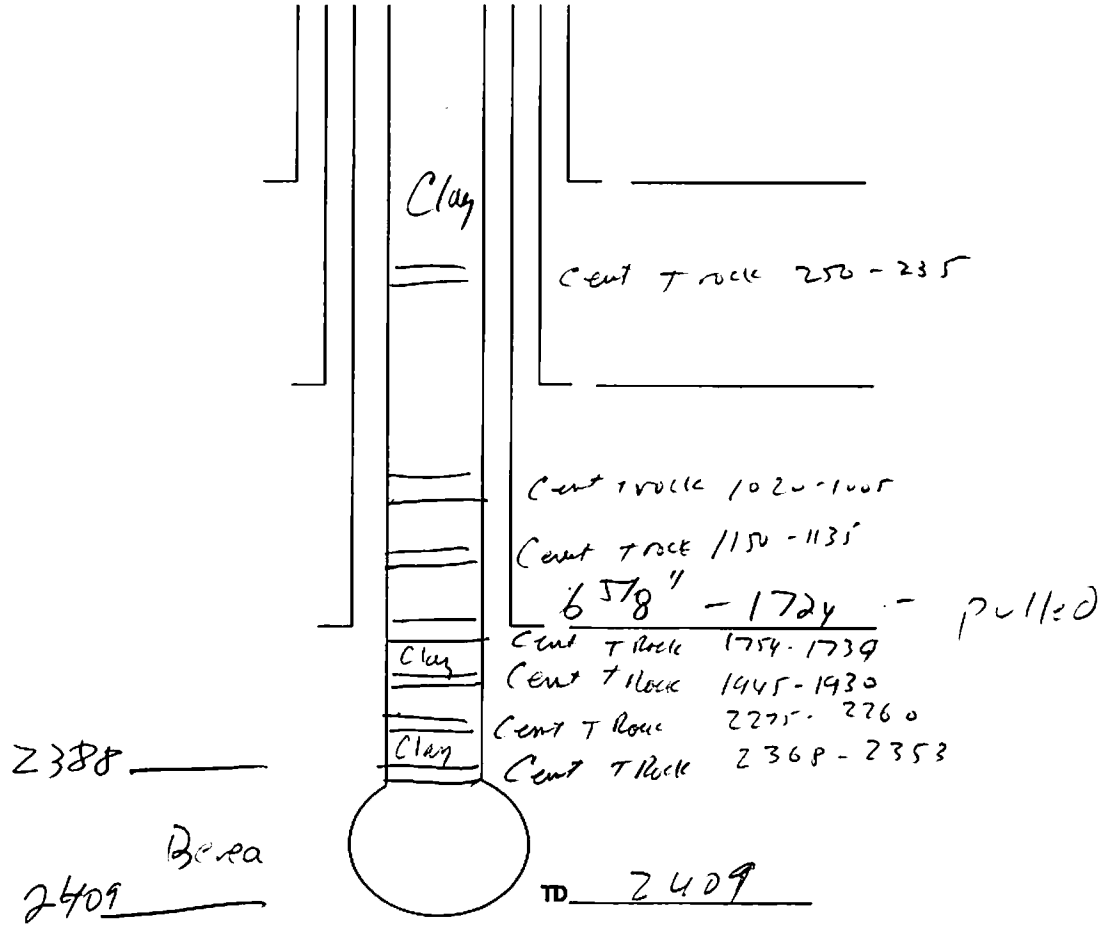
My commission expires:
Oct-9-1957

Permit No. LIN-738

Mason + Tackett 5

Griffithsville Unit #2 Field

47-043- 30738



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 02282 Area Permit Number: 2R AP
Operator Name: H6 Energy
Operator's Well #: 6
Farm Name: Mount Tackett
Field Name: Smithville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2509
Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,226 Northing: 4,232,854
Elevation: 304
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT: _____	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: _____ Signature: _____
Date Reviewed: _____

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47042 - Ca 691

043-02283

RECORD of Well No. 6 on Ryan Tract Farm ... Acres ...

Field, ... District ... County, ...

Rig Commenced ... 19 .. Completed ... 19 ...

Drilling Commenced July 19 1911 Completed Sept 6 1911

Cost per foot, 1.15 Contractor, Hawley & Freeman Drill Co Address, Hawley Ill

Drillers' Names, S. R. Smith Jas. A. L. Reese

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	12 inch	10 inch	8¼ inch	8 inch	7¼ inch	6⅝ inch	6¼ inch	5¾ inch	5 3/16 inch	4¾ inch
16						1805'				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	12 inch	10 inch	8¼ inch	8 inch	7¼ inch	6⅝ inch	6¼ inch	5¾ inch	5 3/16 inch	4¾ inch
16						1805'				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
9/7/11	90 qts.	2nd 1607	10 1642	1309 ft.

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		16	16	Cored 11' in Big Lime
Sand	16	26	10	El = 1003 ft.
Slate	26	126	100	
Lime	126	146	20	
Slate & Shells	146	300	154	
Sand	300	320	20	
Coal	320	322	2	
Slate	322	400	78	460' of 10" hole
Sand	400	435	35	
Slate	435	465	30	
Sand	465	665	200	
Slate & Lime	665	1170	505	
Slate & Lime	1170	1752	582	
Little Lime	1752	1794	42	Hole full of water at 1200'
Big Lime	1794	1974	180	
Big Lime	1974	2024	50	
Slate	2024	2094	70	
Lime Shells	2094	2254	160	5½" - 1822, on Pkr
Slate	2254	2468	214	
Brown Sand	2468	2488	20	
Pina Sand	2488	2509	21	

API# 47-043-2283

WWR-38

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Mason & Tackett
LOCATION: Elevation: 1,001'
District: Duval
Latitude: _____
Longitude: _____

Operator Well No.: No. 6
Quadrangle: Griffithsville 7.5'
County: Lincoln
Deg. ____ Min. ____ Sec. ____
Deg. ____ Min. ____ Sec. ____

Well Type: Oil X Gas ____ WIW ____

Company: East Resources Inc.
P.O. Box 5519
Vienna, WV 26105
Agent: Philip S. Ondrusek
Inspector: Ralph Triplett
Permit Issued: 7/24/2008'

Coal Operator or Owner: NA
Coal Operator or Owner: NA

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood ss:
Mark Miller and Paul Stevens being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by East Resources Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 23rd day of June 2009', and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED		LEFT
Cement	2286'	2180'	6 5/8"	0'	1805'
Cement	1985'	1850'	5 1/2"	0'	1822'
Cement	1853'	1750'			
Cement	1221'	1100'			
Cement	856'	750'			
Cement	362'	250'			
Cement	129'	0'			
		Perforated 5 1/2" & 6 5/8" Casing , 3 Shots 1' apart from			
		1805'-1800', 1153' - 1150', 803' - 800', 303' - 300' & 100' - 97'			
6% Gel Between Cement Plugs					

Description of monument: 2 3/8" x 5'
and that the work of plugging and filling said well was completed on the 1st day of July, 2009
And further deponents saith not.

Mark Miller
Roger McComas

Sworn and subscribe before me this 7th day of July, 2009

My commission expires: Oct. 4, 2016

S. Dianne Dulaney
Notary Public

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
S. DIANNE DULANEY
P. O. Box 5519
Vienna, West Virginia 26105
My Commission Expires Oct. 4, 2016

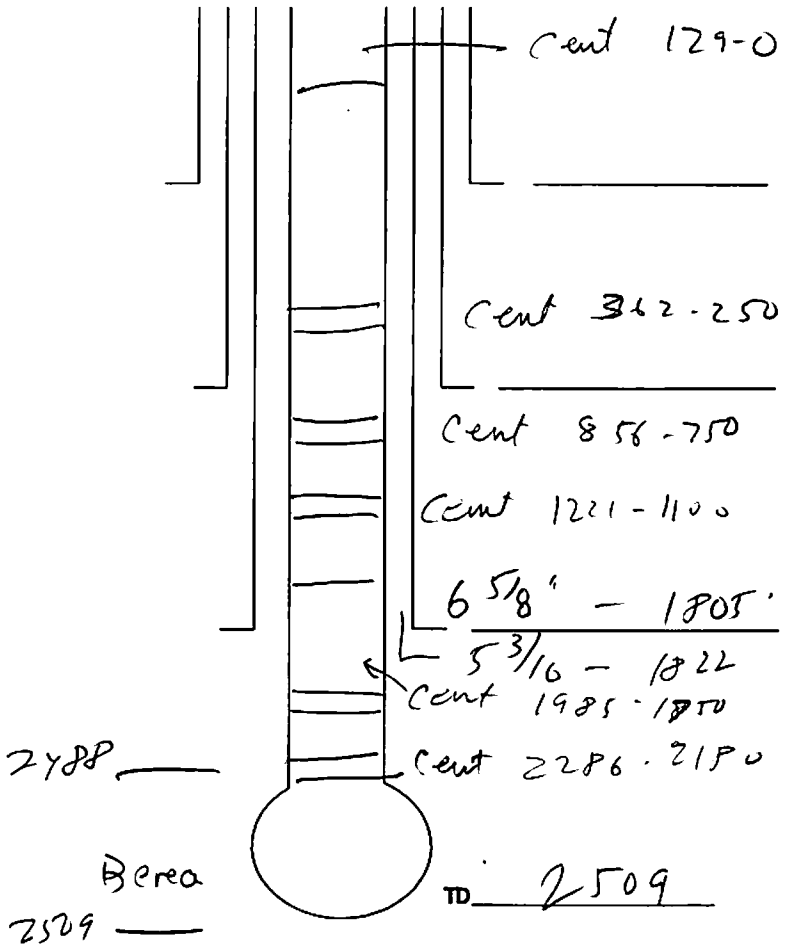
Affidavit reviewed by the Office of Oil and Gas:

Ralph D. Triplett
Title: District Inspector

Mason + Tackett #6

Griffithsville Unit #2 Field

47-043- 02283



From Drillers Records/Plugging Records

Unable to pull 5 3/16" or 6 5/8" Csngs

Perforated with strings of Casing

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30719 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 7

Farm Name: MASON T TALKEY

Field Name: Gnatharville # 2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2425

Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415, 118 Northing: 4,232, 972

Elevation: 299

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30719

RECORD of Well No. 7 on Wilson & Tackett Farm Acres
Field, District County
Rig Commenced 19
Drilling Commenced Oct 20th 1915 Completed Nov 25 1915
Cost per foot, 15¢ Contractor, Home Drilling Co. Address, Jacksonburg W. Va.
Drillers' Names F. W. Engle & A. P. Brookover

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¼ Inch	6¼ Inch	6¼ Inch	5¾ Inch	5 3-16 Inch	4¼ Inch
16				405		1732				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¼ Inch	6¼ Inch	6¼ Inch	5¾ Inch	5 3-16 Inch	4¼ Inch
16						1732				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
11/26/15	Eight			

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		16	16	
Red Rock	16	40	24	8" casing 405'
Sand	40	60	20	
Slate & Red Rock	60	150	90	
Sand	150	200	50	
Slate	200	275	75	showing Gas at 1075'
Sand	275	405	130	Increase of Gas at 1120'
Black Slate	405	410	5	
Sand	410	600	190	Hole full salt water at 1130'
Slate	600	675	75	
Sand	675	800	125	
Slate & Shells	800	1025	225	Gas 1120' in white lime
Lime Shells	1025	1075	50	
Salt Sand	1075	1690	615	
Black Lime	1690	1720	30	
Pencil Cave	1720	1726	6	
White Lime	1726	1910	184	
Injun Sand	1910	1960	50	
Black Slate	1960	2025	65	
Sand	2025	2150	125	
Slate	2150	2382	232	
Brown Shale	2382	2402	20	
Berea Sand	2402	2426	20	

47.043 - 30719

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION.

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

G. S. & H. Supply Co.
NAME OF WELL OPERATOR

Box 895, Tulsa, Okla.
COMPLETE ADDRESS

May 10, 1949 19
WELL AND LOCATION

Duval District

Lincoln County

Well No. 7

Mason & Tackett Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

John Wright and John Curtis being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by ____, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 2nd day of May, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Cement & rock	2382	2367	5-3/16	1758	0
	Clay	2367	2300	6-5/8	1530	232
	Cement	2300	2290			
	Cement & rock	1960	1945			
	Clay	1945	1762			
	Cement & rock	1762	1747			
	Cement & rock	1200	1185			
	Clay	1185	1055			
	Cement	1055	1045			
	Cement & rock	250	235			
	Clay	235	surface			

COAL SEAMS

(NAME)

(NAME)

(NAME)

(NAME)

DESCRIPTION OF MONUMENT

Cement block
G. S. H. Supply
Mason & Tackett #7
5-10-49

and that the work of plugging and filling said well was completed on the 10th day of May, 1949.

And further deponents saith not.

John Wright
John Curtis

Sworn to and subscribed before me this 11th day of May, 1949.

J R Cabaniss
Notary Public.

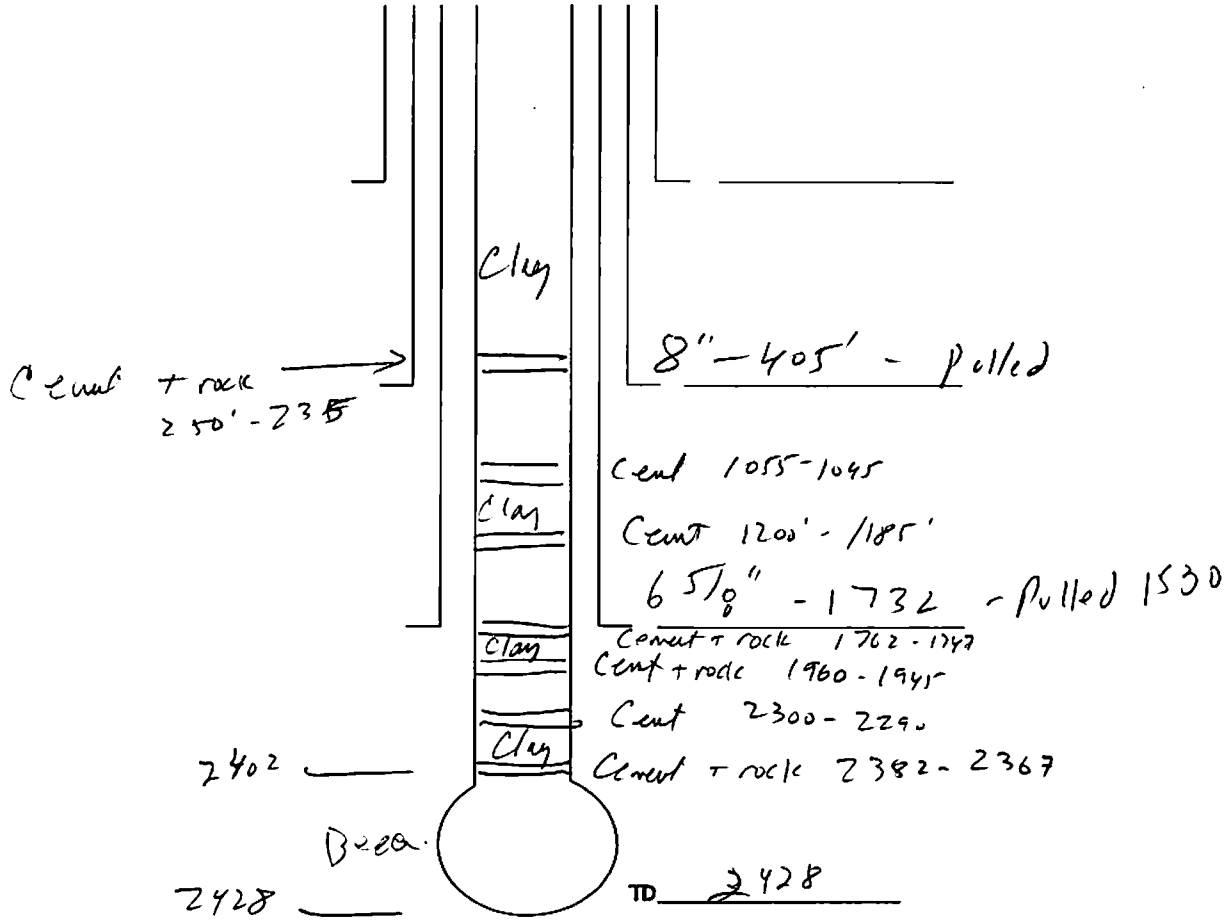
My commission expires:
Oct-9-1957

Permit No. LIN-719

Mason + Tackett #7

Griffithsville Unit #2 Field

47-043- 30719



5 3/16"

Pulled 1758

From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(754)

AOR - Well Review Checklist

API Number: 47- 043 - 30728 Area Permit Number: 2R AP
Operator Name: H6 Energy
Operator's Well #: 8
Farm Name: Mason + Tackett
Field Name: Smithfield #2 Field Injection Zone: Berea.

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2486
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,283 Northing: 4,233,181
Elevation: 312.
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47.043 - 30728

RECORD of Well No. 8 on Wasson & Tackett Farm ____ Acres ____

Field, ____ District ____ County ____

Rig Commenced ____ 19____, Completed ____ 19____

Drilling Commenced Jan 19 1916 Completed Feb 23 1916

Cost per foot, 11⅝ Contractor Bonnie Drilling Co. Address Graham, Texas

Drillers' Names ____

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-10 Inch	4½ Inch
16				425'		1805'				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-10 Inch	4½ Inch
16				—		1805'				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing
2/25/16	70 qts		

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Clay		20	20	E. S.
Sand	20	35	15	
Hard Rock	35	200	165	
Sand	200	300	100	
Red Rock	300	350	50	
Sand	350	400	50	
Red Rock	400	475	75	Hole full salt water at 1175'
Sand	475	675	200	1175'
Shale & Sand	675	1100	425	Casing 6¼ @ 1805'
Shale & Shells	1100	1155	55	
Sand & Shale	1155	1764	609	Little gas at 1920'
Red Rock	1764	1794	30	
Blue Lime	1794	1800	6	
Angel Cave	1800	1970	170	
Blue Lime	1970	2030	60	
Sycamore Sand	2030	2155	125	
Shale	2155	2280	125	
Shells	2280	2445	165	
Shale	2445	2466	21	
Brown Shale	2466	2486	20	
Bend Sand				

47-043-30728

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

NAME OF WELL OPERATOR: G. S. & H. Supply Co.

COMPLETE ADDRESS: Box 895, Tulsa, Okla.

WELL AND LOCATION: May 17, 19 49

Duval District

Lincoln County

Well No. 8

Mason & Tackett Farm

STATE INSPECTOR SUPERVISING PLUGGING: Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

John Wright and John Curtis being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by G. S. & H. Supply Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 10th day of May, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Cement & rock	2446	2431	6-5/8	1805	0
	Clay	2431	2350			
	Cement	2350	2340			
	Cement & rock	2030	2015			
	Clay	2015	1835			
	Cement & rock	1835	1820			
	Cement & rock	1250	1235			
	Clay	1235	1135			
	Cement & rock	1135	1120			
	Cement & rock	250	235			
	Clay	235	surface			

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
Cement block
G. S. & H. Supply
Mason & Tackett #8
5-16-49

and that the work of plugging and filling said well was completed on the 16th day of May, 19 49.

And further deponents saith not.

John Wright
John Curtis

Sworn to and subscribed before me this 17 day of May, 1949.

J R [illegible]
Notary Public.

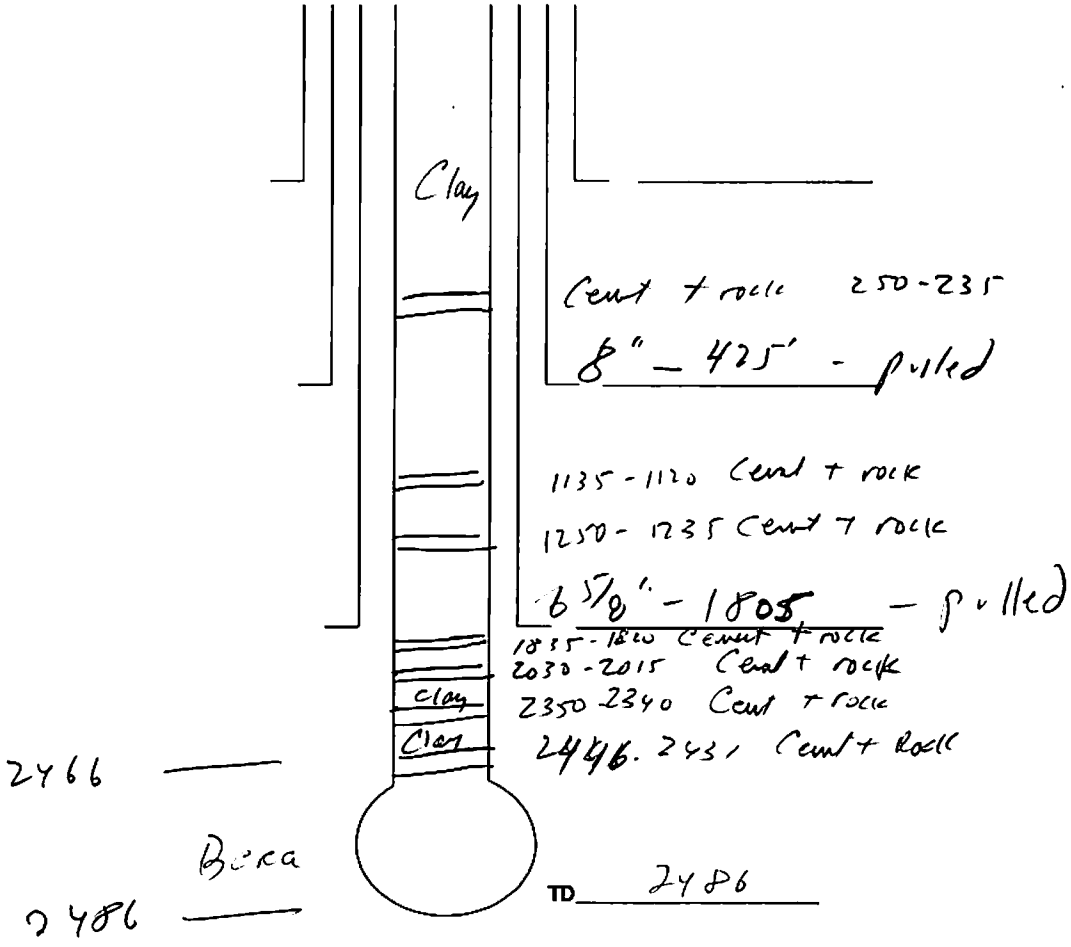
My commission expires:
Oct-9-1957

Permit No. LIN-728

Mason + Tackett 8

Griffithsville Unit #2 Field

47-043- 30728



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(255)

AOR - Well Review Checklist

API Number: 47- 043 – 30334 Area Permit Number: 2R AP

Operator Name: M G Energy

Operator's Well #: 1

Farm Name: W S May

Field Name: Gnatty ville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2229

Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,599 Northing: 4,232,483

Elevation: 232

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043 - ~~30337~~ 30334

Well No. 1 W. S. May Farm 75 Acres
Lease No. 20222 Duval Township District Lincoln County W. Va. State
West Virginia Drilling Company Contractor Contractor
Drilling Commenced Feb. 17 1908 Drilling Completed May 16 1908
N S 81-2 E W 7½ Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Top of Sand	2209½			Gas at top of Sand &
Bottom of Sand		2229½		Oil at 5th Sand
	"ABANDONED" MAY 10, 1943			Shot with 15 lb 5 lb Shell. No Packer Set 2 ft from Top of Sand.
				Gas at top of Sand & oil at 3 Ft. in Sand.

Purchased 12-11-41 from Virginian Gasoline & Oil Company

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 3/8"	1525		1400		~~1525~~ 1 mr	
8 1/4" Cond.	374 16'				16'	

Shot Date May 18, 1908
Amount 90 Quarts
Sand
Result
Packer Size
Depth Set

Production First 24 Hours 45 Bbls. Gas Test

Approved by E. B. South Superintendent

47-043 - 30334

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

(NO COMMERCIAL COAL)
COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

Chas. LeMasters,
LEASE OR PROPERTY OWNER

Yawkey, W. Va.
ADDRESS

SOUTH PENN NATURAL GAS COMPANY
NAME OF WELL OPERATOR
Union Trust Building,
Parkersburg, W. Va.
COMPLETE ADDRESS

September 27, 1943

WELL AND LOCATION

Duval District

Lincoln County

Well No. 1

W. S. May Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

E. M. Lemaster and R. W. Vickers being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by South Penn Natural Gas Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 14th day of March, 1943, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Berea Sand	Clay	2331	2189			
	Cement	2189	2179			
		1811				
Set Bridge						
B.Injun-B.Lime	Clay	1811	1535	7"(6-5/8") 1400' - 125'		
	Cement	1535	1525			
	Clay	1525	1513			
	Cement	1513	1503			
Little Lime	Clay	1503	1473			
	Cement	1473	1463			
Salt Sand	Clay	1463	856			
	Cement	856	846			
	Clay	846	to surface.			

RECEIVED OCT 1943 DEPARTMENT OF MINES

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME) None	8-1/4" csg.ext.3' above surface,
(NAME)	set in concrete-Inscribed:SPNGCO.
(NAME)	W.S.May #1, May 10, 1943
(NAME)	

and that the work of plugging and filling said well was completed on the 10th day of May, 1943.

And further deponents saith not.

E. M. Lemaster

R. W. Vickers

Sworn to and subscribed before me this 30 day of September, 1943.

J. B. Smith
Notary Public.

My commission expires: Dec. 7-1947

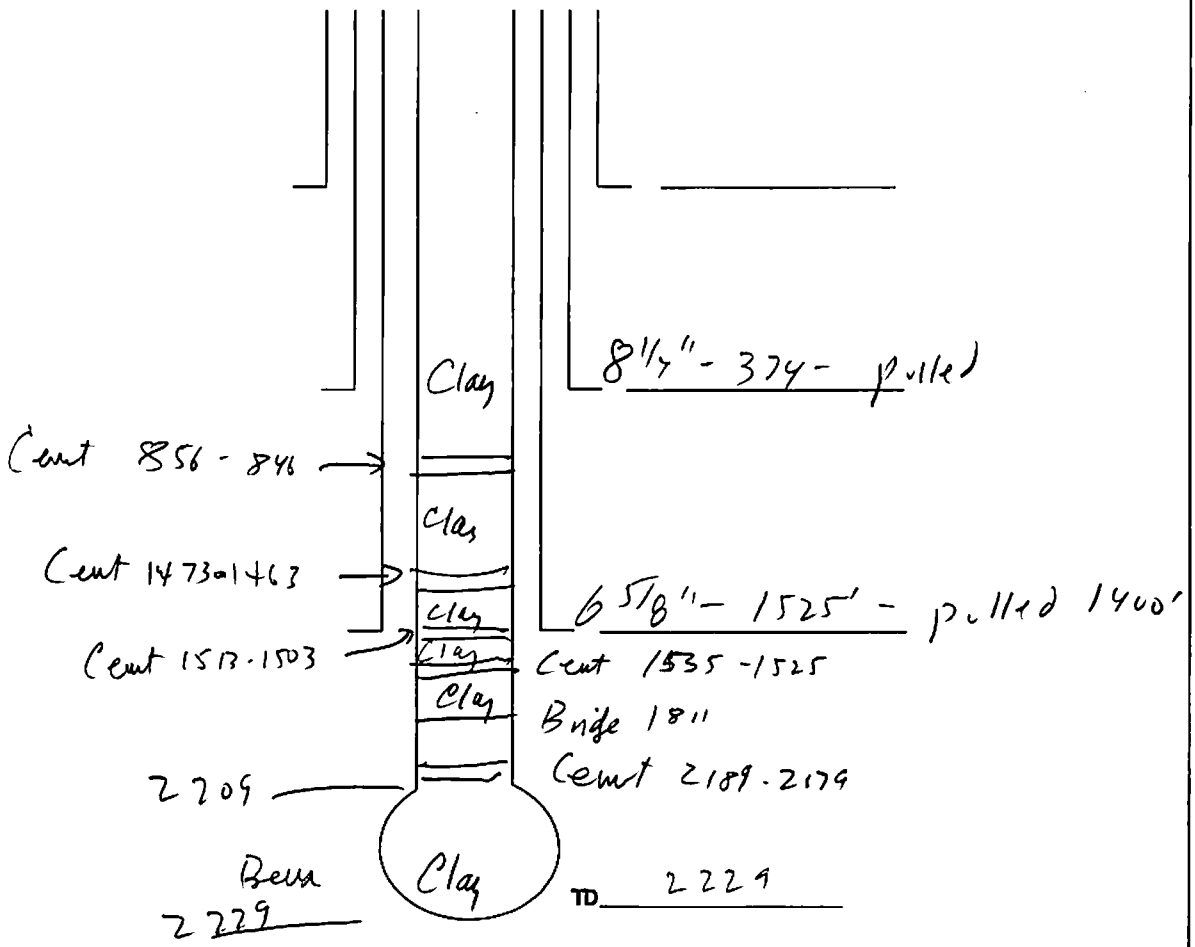
Permit No. LIN-334.

ELLIOTT PRINTING COMPANY, CHARLESTON, W. VA.

W S May #1

Griffithsville Unit #2 Field

47-043- 30334



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 02285 Area Permit Number: 2R AP
Operator Name: H 6 Enerj
Operator's Well #: 2
Farm Name: W S May
Field Name: Griffithsville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2223
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,382 Northing: 4,232,558
Elevation: 218
Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☐	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐ ?

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

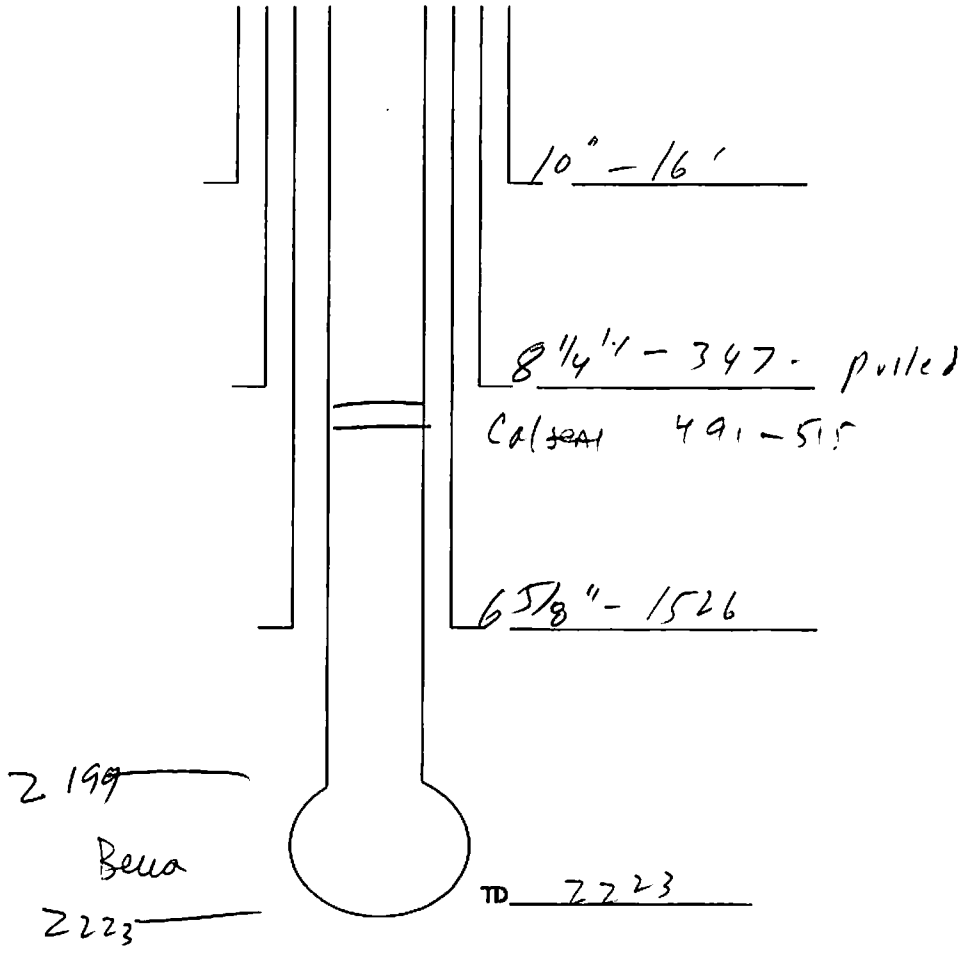
Reviewer Name: Signature:
Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

WS map 2

Griffithsville Unit #2 Field

47-043- 02285



From Drillers Records/Plugging Records

RECEIVED
JUL 21 1989
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

47-043-0 2285

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

NO COMMERCIAL COAL
COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

Reba May Barr, Agt.
LEASE OR PROPERTY OWNER

Rt. 1, Box 684, St. Albans, WV 25177
ADDRESS

Pennzoil Company
NAME OF WELL OPERATOR

P. O. Box 1588, Parkersburg, WV 26101
COMPLETE ADDRESS

19
WELL AND LOCATION

Duval District

Lincoln County

Well. No. 2

W. S. May Farm

STATE INSPECTOR SUPERVISING PLUGGING Kenneth Butcher

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of } ss:

Kyle Roberts and Lee Mason

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Pennzoil Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 2 day of October, 19 78, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED	CASING	
FORMATION		SIZE & KIND	CSG PULLED	CSG LEFT IN
Berea		1876-1896'	6-5/8"	
2199-2223½'		Stone & Clay	515'	1011'
			8-1/4"	
		491-515'	347'	0
		Cal-seal		
			10"	
			0	16'
COAL SEAMS		DESCRIPTION OF MONUMENT		
(NAME)		Temporarily Abandoned		
(NAME)				
(NAME)		W. S. May #2		
(NAME)		Oct. 18, 1978		

and that the work of plugging and filling said well was completed on the 18 day of October, 19 78

And further deponents saith not.

Kyle R. Roberts
Lee Mason

Sworn to and subscribed before me this 30 day of Dec, 1979

Cynthia A. Starks
Notary Public.

My commission expires:
April 11, 87

Permit No. 043-2285-PP

PETROLEUM EXPLORATION DEPARTMENT
FILE COPY

47-043-0285

Well No. 2 W. S. May Farm 75 Acres
Lease No. 80222 Duval Township District Lincoln County W.Va. State
United Fuel Drilling Company Contractor ____ Contractor
Drilling Commenced Oct. 28 1908 Drilling Completed Dec. 17th 1908
N. ____ S. 81-2 E. W. 16 Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Berea	2199	2223½		
Bottom Hole		2223½		

Purchased 12-11-41 from Virginian Gasoline and Oil Co. Inc.

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well		
Size	Feet	In.	Feet	In.	Feet	In.	
6 5/8"	1526				1526		Shot Date Dec. 18, 1908
8 1/4"	341						Amount 90 Quarts
10" Cond	16'				16'		Sand
							Result
							Packer Size
							Depth Set

Production First 24 Hours ____ Bbls. Gas Test ____

Approved by C. A. Hobau Superintendent

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 – 30362 Area Permit Number: 2R AP
Operator Name: H6 Energy
Operator's Well #: 3
Farm Name: W S May
Field Name: Griffithsville #2 Field Injection Zone: Boea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2512
Completion Zones: Boea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,420 Northing: 4,232,128.
Elevation: 309
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☐	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0
Bottom Hole Injection Pressure 0
Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

41-043 30362

Well No. 9 W.S. May
Lease No. 10222 Duval Township District Lincoln County W Va. Farm 75 Acres State
United Fuel Drilling Company Contractor
Drilling Commenced Nov. 11, 1908 Drilling Completed Jan. 5, 1909.
N S 81-2 E W 76 Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Salt Sand	1140	1750		
Little Lime	1750	1805		
Pencil Cave	1805	1812		
Big Lime	1812	2010		
Big Injun	2010	2090		
Sand	2090	2200		
Slate & Shells	2200	2435		
Slate	2435	2488		
Berea Sand	2488	2512		

Purchased 12-11-41 from Virginian Gasoline and Oil Company

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8 Cond.	1812 16				1812 16	

Shot Date Jan. 8, 1909
Amount 90 Quarts
Sand
Result
Packer Size
Depth Set

Production First 24 Hours ..... Bbls. Gas Test .....

Approved by E. B. South Superintendent

47-043-30362

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

W. S. May — COAL OPERATOR OR OWNER
St. Albans, W. Va. — ADDRESS
(Coal Not Operated) — COAL OPERATOR OR OWNER
ADDRESS
Same as above — LEASE OR PROPERTY OWNER
ADDRESS

Frick-Reid Supply Corporation — NAME OF WELL OPERATOR
Drawer 2481, Tulsa, Okla. — COMPLETE ADDRESS
April 1, 1943 — WELL AND LOCATION
Duval District
Lincoln County
Well No. Three
W. S. May Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin N. Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Clay Wade and Bethel Wade being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Frick-Reid Supply Corp., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 16th day of February, 1943, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CSG LEFT IN
Berea Sand	Total Depth		2512			
	Bridge		2470			
	Clay	2450	2470			
	Plug	2447	2450	Wood 3"x6 1/8"		
	Cement	2437	2447			
	Bridge		2120			
	Clay	1840	2120			
	Plug	1837	1840			
Big Lime	Cement	1827	1837			
	Clay	1120	1827			
	Cement	1110	1120	6 5/8" Csg.	965	847
	Bridge		500			
	Cement	490	500			
	Clay	Sur	490			

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
7" OD Csg. filled with concrete & ext. 30" above surface & marked "Frick-Reid Supply Corp. W. S. May #3 Abnd. Feb. 27, 1943"

and that the work of plugging and filling said well was completed on the 27 day of February, 1943.

And further deponents saith not.

Clay Wade
Bethel Wade

Sworn to and subscribed before me this 6th day of April, 1943.

H. H. Smith
Notary Public.

My commission expires:
Dec. 7-1947

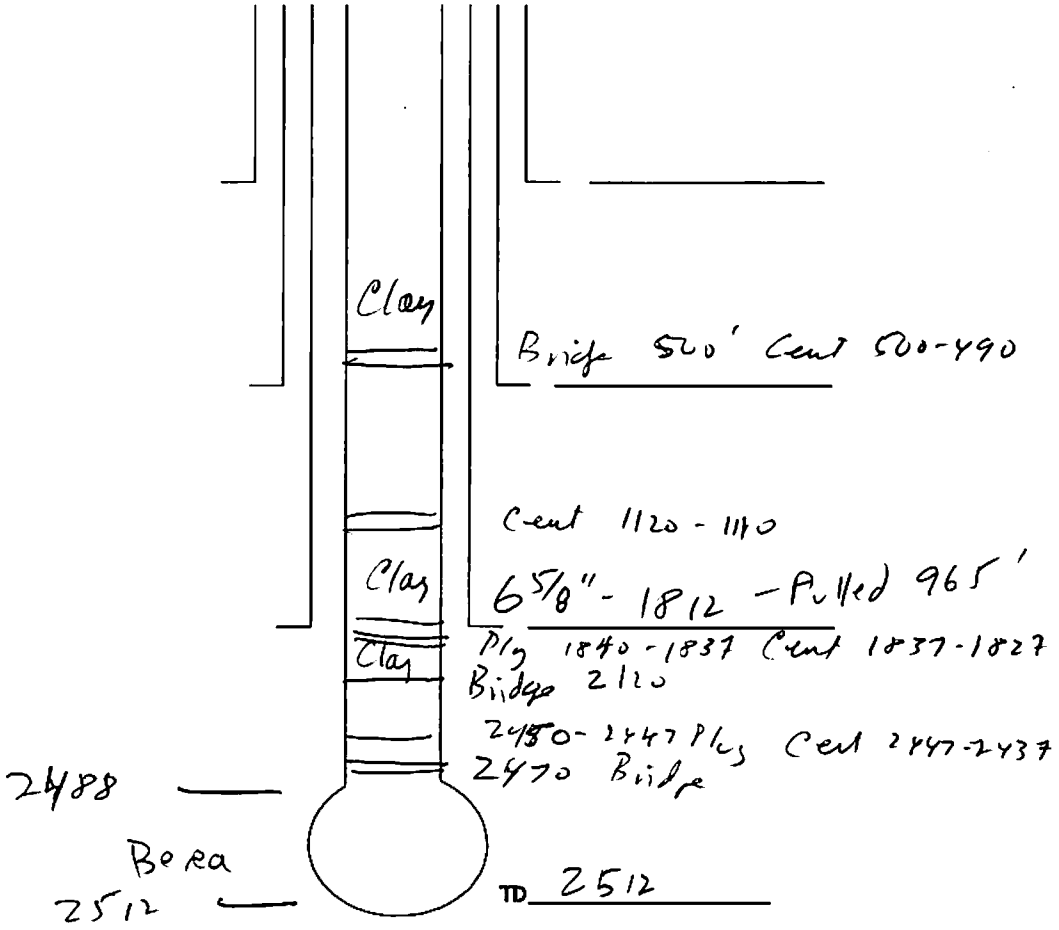
Permit No. LIN-362

ACME PRINTING COMPANY, CHARLESTON, W. VA.

W S May 3

Griffithsville Unit #2 Field

47-043- 30362



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30366 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 4

Farm Name: W S May

Field Name: Smithfield #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2456

Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,388 Northing: 4,232,766

Elevation: 285

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-3036

Well No. 4 W. S. May — Farm 75 Acres
Lease No. 80222 Duval — Township District Lincoln — County W. Va — State
United Fuel Drilling Co. — Contractor — Contractor
Drilling Commenced Dec. 23 1908 — Drilling Completed Feb. 16 1909
N. S. 81-2 E. W. 76 — Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Sand	480	550		Water 525
Slate	550	660		
Sand	660	700		
Broken Slate & Sand	700	1000		
Sand	1000	1040		Salt Water 1120
Slate	1040	1100		
Salt Sand	1100	1717		
Little Lime	1717	1752		
Pencil Cave	1752	1757		
Big Lime	1757	1952		
Big Injun Sand & Shells	1952	2005		
Slate	2005	2170		
Brown Shale	2170	2380		
Berea Sand	2380	2433		
Bottom	2433	2456		

Purchased 12-11-41 from Virginian Gasoline & Oil Company

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

Size	Put in Well Feet	Put in Well In.	Pulled Out Feet	Pulled Out In.	Left in Well Feet	Left in Well In.
6 3/8" Cond	1757 16				1757 16	

Shot Date Feb. 19, 1909
Amount 90 Quarts
Sand
Result Top of shell when shot 2 ft from of sand.
Packer Size
Depth Set

Production First 24 Hours ____ Bbls. Gas Test ____

Approved by E. B. South Superintendent

47-043-30366

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

W. S. May — COAL OPERATOR OR OWNER
St. Albans, W. Va. — ADDRESS
(Coal Not Operated) — COAL OPERATOR OR OWNER
— ADDRESS
Same as above — LEASE OR PROPERTY OWNER
— ADDRESS

Frick-Reid Supply Corporation — NAME OF WELL OPERATOR
Drawer 2481, Tulsa, Okla. — COMPLETE ADDRESS
May 15, 1943 — WELL AND LOCATION
Duval — District
Lincoln — County
Well No. Four
W. S. May — Farm

STATE INSPECTOR SUPERVISING PLUGGING Colvin N. Hall

AFFIDAVIT

STATE OF WEST VIRGINIA, }
County of Lincoln } ss:

Arlie Satterfield and Emery Mostellar being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Frick-Reid Supply Corporation well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 1st day of May, 1943, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
Berea	Bridge	2410	2420			
	Clay	2390	2410			
	Plug	2387	2390	Wood 3'x6 1/8		
	Cement	2377	2387			
	Bridge	2025	2035			
Big Injun	Clay	1785	2025			
	Plug	1082	1785	Wood 3'x6-1/8"		
Big Lime	Cement	1772	1782			
	Clay	1080	1772	6-5/8" Csg.	1495	262'
Salt Sand	Cement	1070	1080			
	Bridge	540	550			
	Cement	535	540			
	Clay	Sur	535			
COAL SEAMS				DESCRIPTION OF MONUMENT		
(NAME)				7" Csg. ext. 30" above surface filled with concrete &marked "Frick-Reid Sup. Corp. W.S.May #4 Abnd. May 10, 1943"		
(NAME)						
(NAME)						

and that the work of plugging and filling said well was completed on the 10th day of May, 1943.

And further deponents saith not.

Arlie Satterfield
Emery Mostellar

Sworn to and subscribed before me this 14 day of June, 1943.

J. R. Smith
Notary Public.

My commission expires: Dec. 7-1947

Permit No. LIN-366

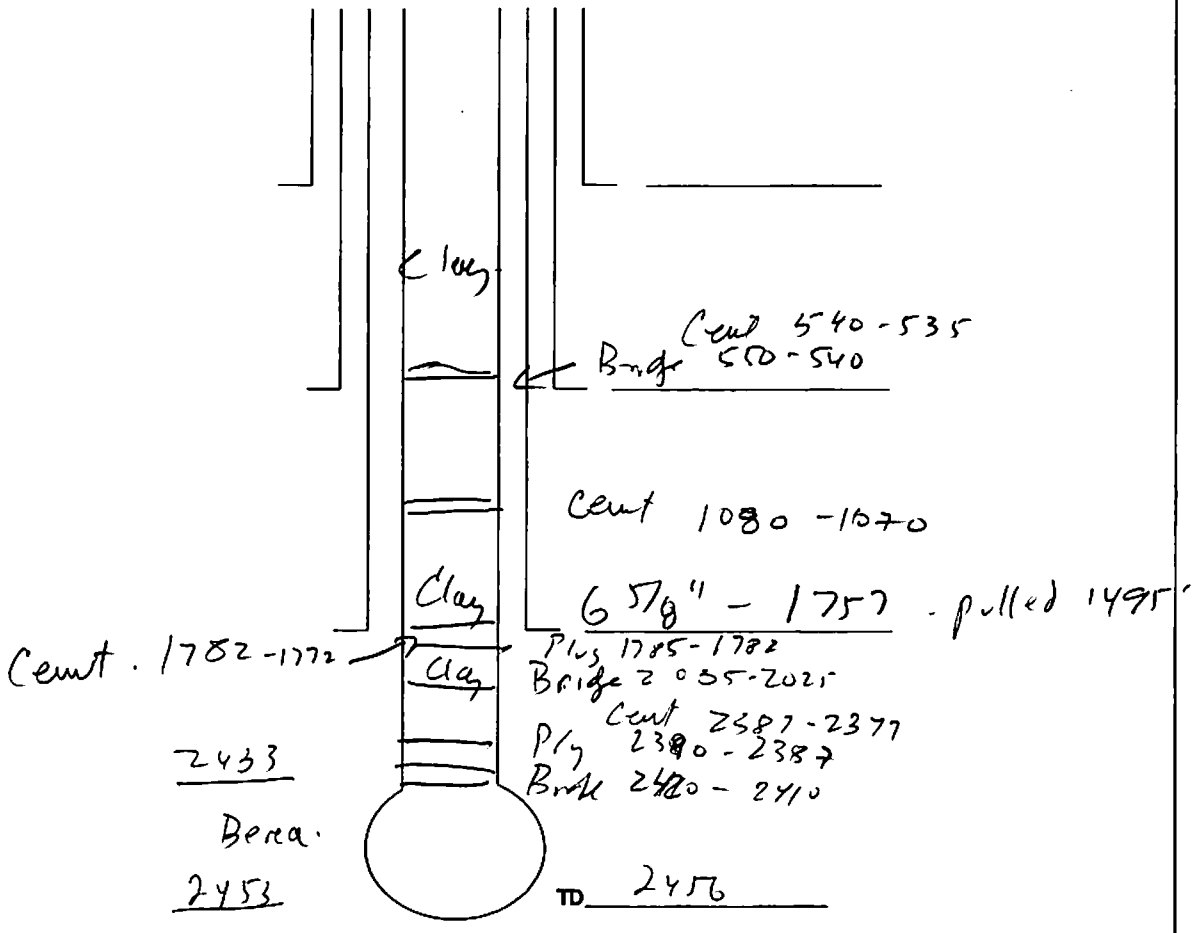
JUN 1943 RECEIVED DEPARTMENT OF MINES

ALBERTY PRINTING COMPANY, CHARLESTON, W. VA.

WS May 4

Griffithsville Unit #2 Field

47-043-30366



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043-30595 Area Permit Number: 2R AP
Operator Name: H6 Energy
Operator's Well #: 5
Farm Name: WS May
Field Name: Enfield Hill Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2430'
Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,726 Northing: 4,232,147
Elevation: 287
Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043 - 30595

Well No. 5 W. S. May — Farm 75 Acres
Lease No. 10222 Duval Township District Lincoln — County W. Va. State
United Fuel Drilling Co. Contractor — Contractor
Drilling Commenced May 14 1909 Drilling Completed July 7 1909
N. S. 81-2 E. W. 76 Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Black Slate	915	935		
Sand	935	950		
Black Slate	950	955		
Sand	955	980		Hole full of water 1110
Slate	980	1020		
Dark Lime	1020	1060		
Salt Sand	1060	1650		Shot June 17, 1909 - 55 Qts
Dark Lime	1650	1670		
Slate	1670	1680		
Lime	1680	1905		
Injun (Red)	1905	1985		
Slate and Shells	1985	2145		
Slate	2145	2325		
Lime Shells	2325	2385		
Shale	2385	2408		
Berea Sand	2408	2430		
				505 Ft of 10" hole Enough water to drill at 45'

Purchased 12-11-41 from Virginian Gasoline and Oil Company

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8" Cond.	1727 16				1727 16	

Shot Date July 7th 1909
Amount 90 Quarts
Sand
Result
Packer Size
Depth Set

Production First 24 Hours ..... Bbls. Gas Test .....

Approved by E. B. South Superintendent

47-043- 30595

FORM 00-5

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

South Penn Natural Gas Co.
LEASE OR PROPERTY OWNER

Parkersburg, W.Va.
ADDRESS

O. R. DeLay
NAME OF WELL OPERATOR

P. O. Box 49 Hamlin, W. Va.
COMPLETE ADDRESS

March 31, 19 49
WELL AND LOCATION

Duval District

Lincoln County

Well No. 5-65

W. S. May Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

O. R. DeLay and Bethel Wade

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by O. R. DeLay (Herr 2820), well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 24 day of February, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION.	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Permanent	Bridge	2393	2388			
	Cement	2388	2378			
	Stone	2378	2373			
	Clay	2373	2350			
Permanent	Bridge	2020	2015			
	Cement	2015	2005			
	Stone	2005	2000			
	Red Clay	2000	1757			
	Cement	1757	1747			
	Stone	1747	1742			
Pulled 6-5/8"	Casing loose and out as hole was filled				6-5/8"	1727
Permanent	Bridge	1505±	1500			
	Cement	1500	1490			
	Stone	1490	1485			
	Clay	1485	1040			
	Cement	1040	1030			
	Stone	1030	1025			
COAL SEAMS	Permanent Bridge	456	450	DESCRIPTION OF MONUMENT		
(NAME)	Cement	450	440	18"X18"X30" Concrete Block		
(NAME)	Stone	440	435	February 26, 1949		
(NAME)	Filled with clay to surface					

and that the work of plugging and filling said well was completed on the 26 day of February, 1949.

And further deponents saith not.

O. R. DeLay
Bethel Wade

Sworn to and subscribed before me this 18 day of April, 1949.

T. L. Spurlock
Notary Public.

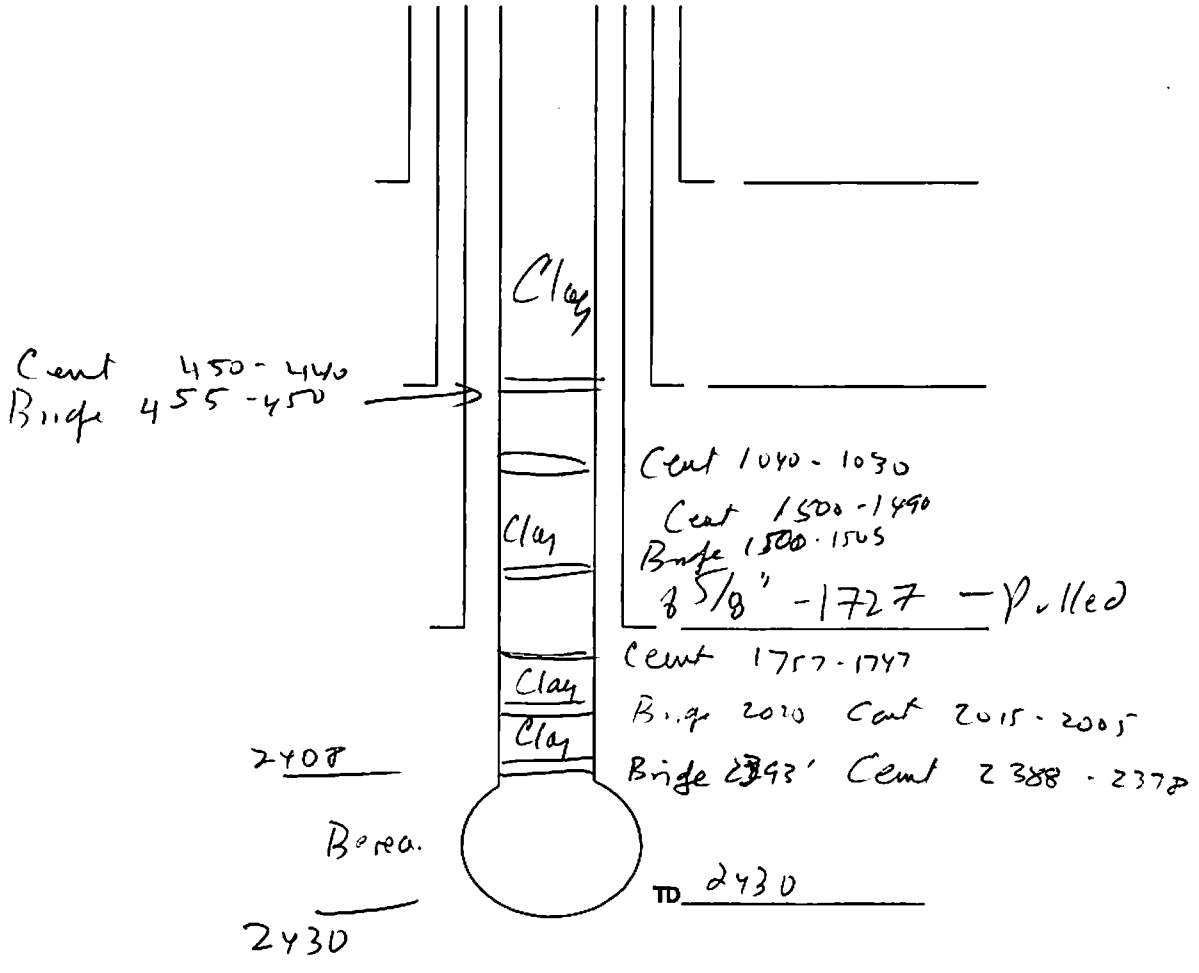
My commission expires:
Aug. 16-1949

Permit No. Lin-593

WS May 5

Griffithsville Unit #2 Field

47-043- 30595



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

(260)

API Number: 47- 043 - 6 30335 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 6

Farm Name: WS May

Field Name: Griffithsville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2504

Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,377 Northing: 4,232,305

Elevation: 298

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47.043-30335

Well No. 6 W. S. May — Farm 75 Acres
Lease No. 80232 Duval Township District Lincoln — County W. Va. State
United Fuel Drilling Co. Contractor — Contractor
Drilling Commenced May 11, 1909 Drilling Completed July 1st 1909
N. S. 81-2 E. W. 76 Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Sand	178	438		
Coal	438	440		
	440	500		
Top of Salt Sand	1130			Hole full of water 1185
Little Lime	1760			
Pencil Cave	1795			
Big Lime	1800			
Red Rock	1980			
Berea Sand	2478	2503		
Total Depth		2504½		
		Abandoned 9/30/42		
Purchased 12-11-41 from Virginian Gasoline & Oil Company				

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8	1800		1235		~~1800~~ 1765	
Cond.	16				16	

Shot Date July 3, 1909
Amount 20 Quarts
Sand
Result

Packer Size

Depth Set

Production First 24 Hours ____ Bbls. Gas Test ____

Approved by E. B. South Superintendent

47-043 - 30335

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

(NO COMMERCIAL COAL) — COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
Chas. Lemasters — LEASE OR PROPERTY OWNER
Yawkey, W.Va. — ADDRESS

SOUTH PENN NATURAL GAS COMPANY
Union Trust Building,
Parkersburg, W.Va.
COMPLETE ADDRESS

WELL AND LOCATION

February 15, 1943.
Duval District
Lincoln County
Well No. 6
W. S. May Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

E. L. Saul and W. O. White being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by South Penn Natural Gas Co. well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 1st day of September, 1942, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CSG LEFT IN
		2504	2462			
Berea Sand	Red Clay	2462	2452			
	Cement	2084				
Bridge Hole		2084	1800	Wood-6-5/8"- 6-5/8"-1235'- 565'.		
B. Lime	Red Clay		1780			
	Red Clay to Cement	1780	1770			
	Red Clay	1770	1740			
L. Lime	Cement	1740	1730			
	Red Clay	1730	1130			
Salt Sand		470				
Bridge Hole	Clay & Rock	418	to surface			

COAL SEAMS

(NAME)				DESCRIPTION OF MONUMENT
No Name	Cement	470	418	8-1/4" csg.ext.3' above surface. Filled with cement,-inscribed: S.P.N.G.Co.-W.S.May #6. Abd. 9-30-42.
(NAME)				
(NAME)				
(NAME)				

RECEIVED MAR 1943 WEST VIRGINIA DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 30th day of September, 1942.

And further deponents saith not.

E. L. Saul
W. O. White

Sworn to and subscribed before me this 20th day of March, 1943.

J. B. Smith
Notary Public.

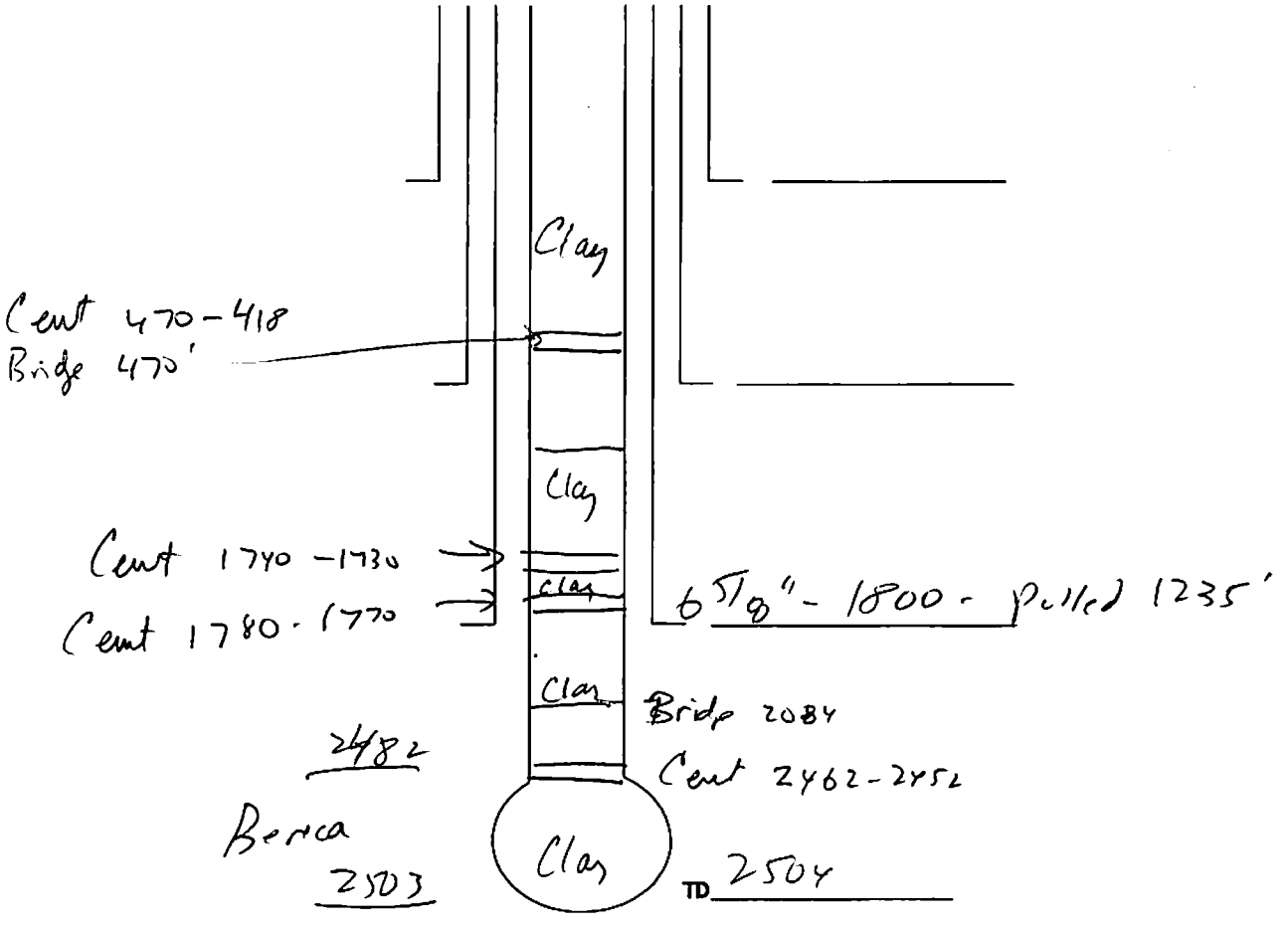
My commission expires: Dec. 7-1947

Permit No. LIN-335

WS May 6

Griffithsville Unit #2 Field

47-043- 30355



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30365 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 7
Farm Name: W S May
Field Name: Enterville - #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2332
Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416 665 Northing: 4,232,307
Elevation: 249
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47.043 - 30365

Well No. 7 W. S. May Farm 75 Acres
Lease No. 80222 Duval Township District Lincoln County W. Va. State
United Fuel Drilling Company Contractor Contractor
Drilling Commenced July 17 1909 Drilling Completed August 25 1909
N. S. 81-2 E. W. 76 Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Coal & Slate	250	280		
Lime & Shells	280	350		
Sand	350	400		
Slate & Lime	400	480		Reduced Hole 415 ft
Sand	480	525		
Lime	525	600		
Red Rock	600	680		
Sand, Lime & Slate	680	915		
Black Slate	915	935		
Slate & Lime	935	950		
Salt Pand	950	1602		Hole full water 1025
Little Lime	1602	1632		Dark Brown
Break	1632	1635		
Big Lime	1635	1720		
Injun Sand	1720	1780		
Slate & Red Rock	1780	2264		
Slate & Shells	2264	2312		Showing of oil 2264
Berea Sand	2312	2392½		

Purchased 12-11-41 from Virginian Gasoline and Oil Company.

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8"	1635				1635	
10" Wood	16				16	

Shot Date August 27. 1909
Amount 90 Quarts
Sand
Result

Packer Size

Depth Set

Production First 24 Hours ..... Bbls. Gas Test .....

Approved by E. B. South Superintendent

47-043-30365

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

W. S. May — COAL OPERATOR OR OWNER
St. Albans, W. Va. — ADDRESS
(Coal Not Operated) — COAL OPERATOR OR OWNER
ADDRESS
Same as Above — LEASE OR PROPERTY OWNER
ADDRESS

Frick-Reid Supply Corporation — NAME OF WELL OPERATOR
Drawer 2481, Tulsa, Okla. — COMPLETE ADDRESS
May 1, 194 3 — WELL AND LOCATION
Duval — District
Lincoln — County
Well No. Savon
W. S. May — Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin N. Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Jesse Mason and Donald Mason being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Frick-Reid Supply Corp., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 5th day of April, 194 3 and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CSG LEFT IN
Berea	Total Depth		2332			
	Bridge		2290			
	Clay	2270	2290			
	Plug	2267	2270	Wood 3"x6 1/8"		
	Cement	2257	2267			
	Bridge		1810			
	Clay	1660	1810			
Big Lime	Cement	1650	1660			
	Clay	930	1650			
	Cement	920	930			
	Bridge		694	6 5/8" Casing	700'	935
	Cement	687	694			
	Bridge		450			
	Clay	280	450			
	Cement	230	280			
	Clay	Surface	230			
COAL SEAMS	Cement	230	280	DESCRIPTION OF MONUMENT		
(NAME) Unknown				7" Csg. filled with concrete &		
(NAME)				ext. 30" above surface & marked		
(NAME)				"Frick-Reid Supply Corp. W.S.May		
(NAME)				#7 Abnd. April 17, 1943"		

and that the work of plugging and filling said well was completed on the 17 day of April, 1943.

And further deponents saith not.

Jesse Mason
Donald Mason

Sworn to and subscribed before me this 21 day of May, 1943.

Notary Public.

My commission expires:
Dec. 7-1947

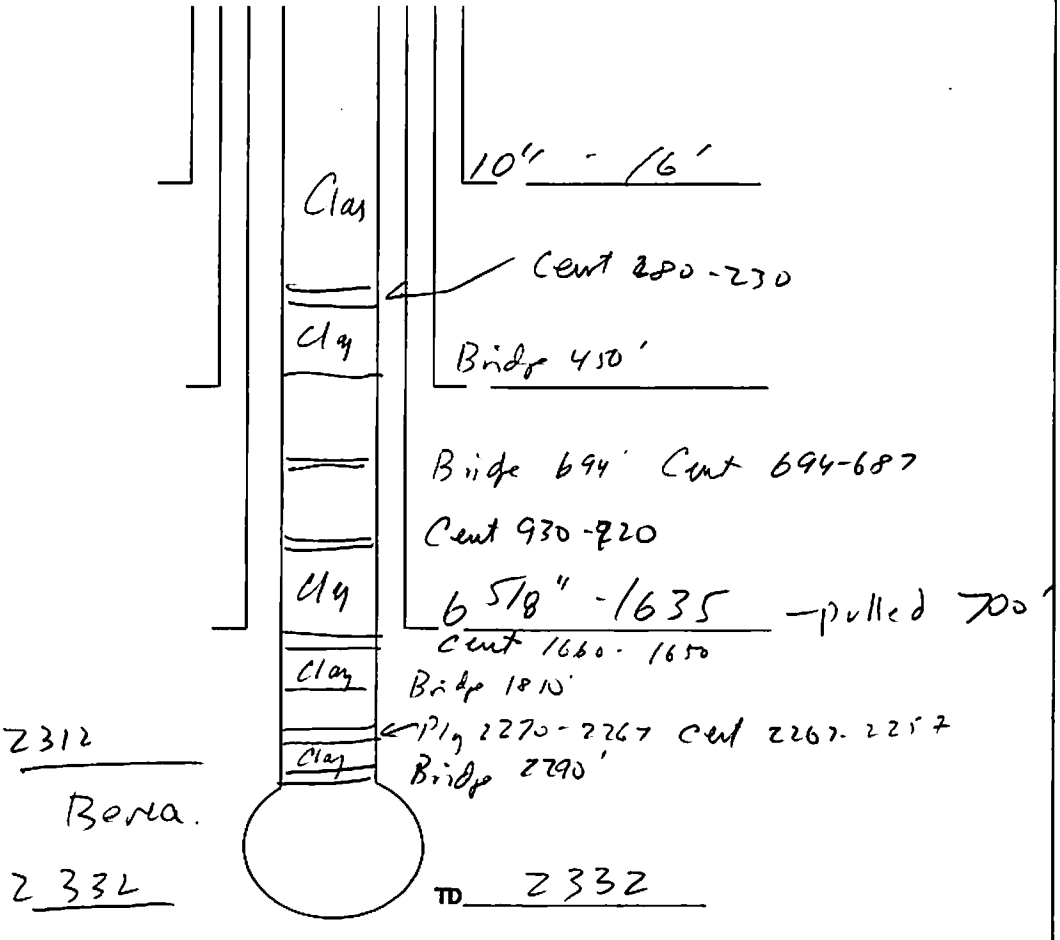
Permit No. LIN-365

SOCIETY PRINTING COMPANY, CHARLESTON, W. VA.

WS May 7

Griffithsville Unit #2 Field

47-043- 30365



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30363 Area Permit Number: 2R AP
Operator Name: H6 Energy
Operator's Well #: 8
Farm Name: WS May
Field Name: Gaskinville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2485
Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,569. Northing: 4,232,142
Elevation: 293
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0
Bottom Hole Injection Pressure 0
Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30363

Well No. 8 W. S. May — Farm 75 Acres
Lease No. 80222 Duval Township District Lincoln County W. Va. State
United Fuel Drilling Company Contractor — Contractor
Drilling Commenced Aug 31 1909 Drilling Completed Oct. 8 1909
N. S. 81-2 E. W. 76 Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Coal	420	425		
Slate and Lime	425	1095		
Salt Sand	1095	1720		Hole full water 1162
Little Lime	1720	1745		
Pencil Cave	1745	1752		
Big Lime	1752	1970		
Red Rock	1970	2000		
Slate and Lime	2000	2467		
Berea Sand	2467	2489		

Purchased 12-11-41 from Virginian Gasoline and Oil Company

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8" 10" Wood	1757 16				1757	

Shot Date October 9. 1909
Amount 90 Quarts
Sand
Result
Packer Size
Depth Set

Production First 24 Hours ..... Bbls. Gas Test .....

Approved by E. B. South Superintendent

47-043-30365

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

W. S. May — COAL OPERATOR OR OWNER
St. Albans, W. Va. — ADDRESS
(Coal Not Operated) — COAL OPERATOR OR OWNER
— ADDRESS
Same as Above — LEASE OR PROPERTY OWNER
— ADDRESS

Frick-Reid Supply Corporation — NAME OF WELL OPERATOR
Drawer 2481, Tulsa, Oklu. — COMPLETE ADDRESS
May 1, 1943 — 194 3 — WELL AND LOCATION
Duval — District
Lincoln — County
Well No Eight
W. S. May — Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin H. Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Clay Wade and Bethel Wade being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Frick-Reid Supply Corp., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 15 day of March, 194 3 and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Bridge		2450			
Berea Sand	Clay	2430	2450			
	Plug	2427	2430	Wood 3 1x6 1/8		
	Cement	2417	2427			
	Bridge		2000			
	Clay	1785	2000			
	Plug	1782	1785	Wood 3 1x6 1/8		
Big Lime	Cement	1772	1782			
	Clay	1075	1772			
Salt Sand	Cement	1065	1075			
	Bridge		735	6 5/8" Casing	743	1022
	Cement	725	735			
	Bridge		500			
	Cement	498	500			
	Clay	Sur	494			

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	7" Csg. filled with concrete ext.
(NAME)	30" above surface & marked "Frick-
(NAME)	Reid Sup. Corp. W/S.May #8. Abnd.
(NAME)	March 23, 1943"

and that the work of plugging and filling said well was completed on the 23rd day of March, 194 3.

And further deponents saith not.

Clay Wade
Bethel Wade

Sworn to and subscribed before me this 21 day of May, 1943.

Notary Public.

My commission expires: Dec. 7- 1947

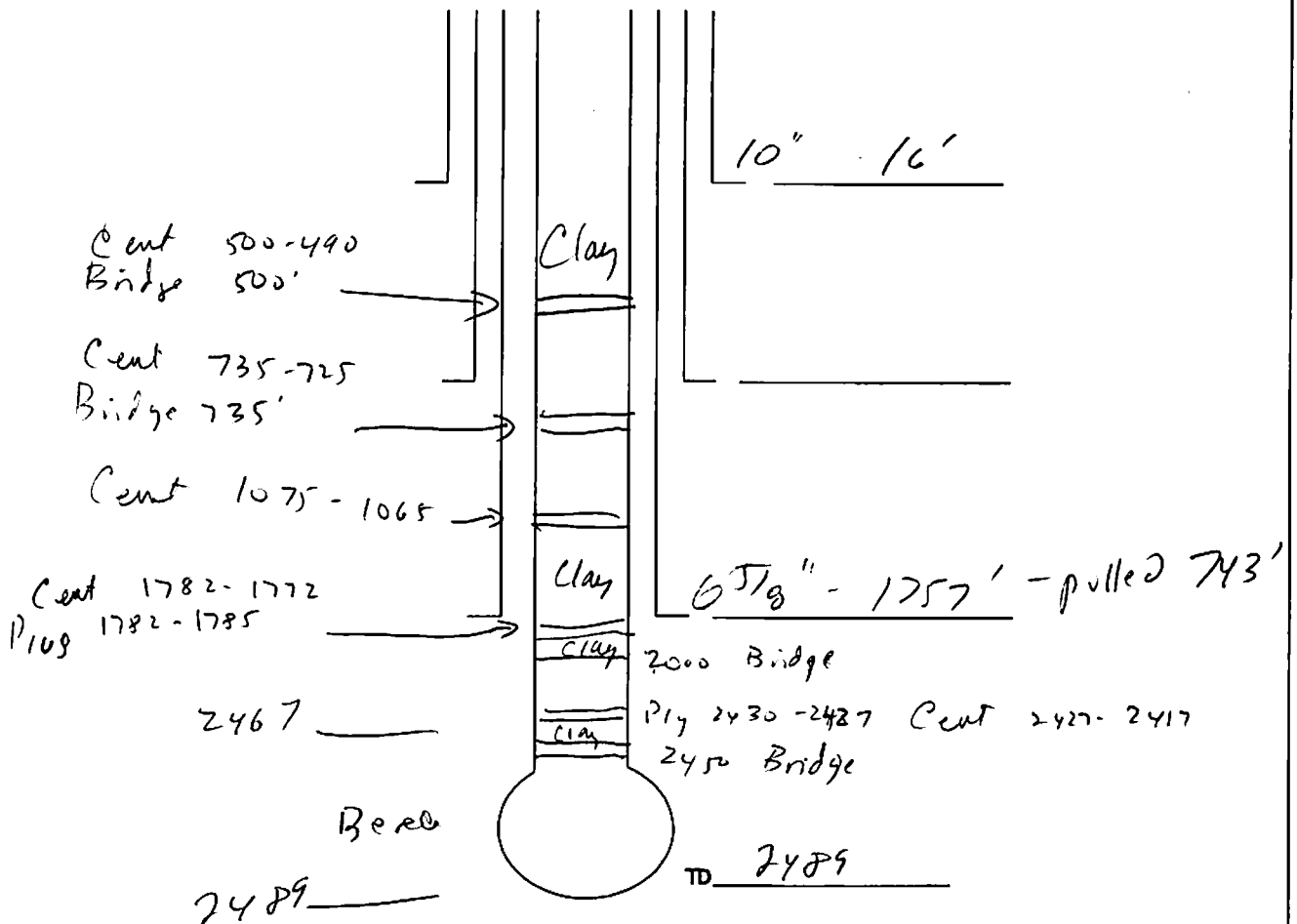
Permit No. Lin-363.

ACME PRINTING COMPANY, CHARLESTON, W. VA.

WS May 8

Griffithsville Unit #2 Field

47-043- 30365



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- _____ Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 1

Farm Name: Elizabeth McCallister

Field Name: Smithsville 1#2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☐

TD of well: _____

Completion Zones: _____ Perforated Interval: _____

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,438.2 Northing: 4,234,190

Elevation: 286

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☐	Yes ☐
Date of Last MIT: _____	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☐
Well penetrates injection zone?		No ☐	Yes ☐
Well perforated in injection zone?		No ☐	Yes ☐
Cemented across injection zone?		No ☐	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth: _____	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

need UR 35 + UR 38 NA

Reviewer Name: _____ Signature: _____

Date Reviewed: _____

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- _____ Area Permit Number: 2R _____ AP

Operator Name: A 6 Engy

Operator's Well #: 2

Farm Name: Elizabeth mc Callister

Field Name: 6 of the Wells ± 2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☐

TD of well: _____

Completion Zones: _____ Perforated Interval: _____

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,600 Northing: 4,234,071

Elevation: 291

Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☐	Yes ☐
Date of Last MIT: _____	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☐
Well penetrates injection zone?		No ☐	Yes ☐
Well perforated in injection zone?		No ☐	Yes ☐
Cemented across injection zone?		No ☐	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	_____
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Need WR 35 + WR 38

NA

Reviewer Name: _____ Signature: _____

Date Reviewed: _____

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 02156 Area Permit Number: 2R AP
Operator Name: HG Energy
Operator's Well #: 1
Farm Name: Joel McCormick
Field Name: Smithsville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2342
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: Northing:
Elevation:
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-02159

Production First 24 Hours from { Bogus Sand Bbls. Approved.
Sand Bbls. By Supt.

Joel McCormick Farm, No. of Lease No. Acres.
Washington District Lincoln County W. Va. State.
Well No. One Date of Location 19
Rig Commenced 19 } Contractor.
Rig Completed 19 }
Drilling Commenced Dec. 11th 1918 } Contractor.
Drilling Completed Feb. 1st 1919 }

CASING RECORD

Size	Changed to Well Feet	Changed to Well In.	Put in Well Feet	Put in Well In.	Bottom of Casing Feet	Bottom of Casing In.	Pulled out of Well Feet	Pulled out of Well In.	Left in Well Feet	Left in Well In.	Transferred before completion Feet	Transferred before completion In.	Left at well not in use Feet	Left at well not in use In.
8"	320		320		320		320		320					
6-5/8	1844		1844		1844				1844					

Formation	Top	Bottom	Thickness
Salt Sand	900	1179	
Break	1179	1189	
Sand & Slate	1189	1489	
Break	1489	1539	
Red rock	1539	1595	
Maxton Sand	1595	1614	
Little Lime	1614	1634	
Pencil Cave	1634	1639	
Big Lime	1639	1865	
" Injun	1865	1915	
Shells	1915	2306	
Brown Shale	2306	2325	
Berea Sand	2325	2342	
Oil & Gas	2327	2342	

Total Depth.

Shot 9-10-34
60 qt-Brea

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
2.	11	19	60			

REMARKS: Hole full of water at 1000'
6-5/8" casing set on bottom hole packer
8" in Big Lime
Gas 20" in Big Injun

ABANDONED 19

Size	Casing Pulled	Casing Left In	

REMARKS: El= 878.25

WR-38
12-A

API # 47- 43- 2159-P

RECEIVED
Office of Oil and Gas
OCT 19 1998
WV Division of
Environmental Protection

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Arthur S. Johnson
Operator Well No.: McCormick # 1
LOCATION: Elevation: 878.25
Quadrangle: Griffithsville
District: Washington
County: Lincoln
Latitude: 6550 Feet South of 38 Deg. 15 Min. 0 Sec.
Longitude 9000 Feet West of 81 Deg. 52 Min. 30 Sec.

Well Type: OIL X GAS ____

Company: S. L. Meadows, Jr. Production, Inc.
ROUTE 2 BOX 22
RAVENSWOOD, WV 26164

Coal Operator or owner N/A

Agent: S. L. Meadows, Jr.

Coal Operator or owner N/A

Permit Issued:

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of ____ ss:

Terry Huffman and Jason Meadows being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Rod Dillon Oil and Gas Inspector representing the Director, say that said work was commenced on the 5 day of October, 1998, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED		LEFT
Gel	2342	2150	2 3/8	2320	-0-
Cement	2150	2000	5 ½ Csg	1705	-0-
Gel	2000	1950	6 5/8 Csg	258	1386
Cement	1950	1800			
Gel	1800	925			
Cement	925	825	Shot well	875	
Gel	825	450		403	
Cement	450	350		258	
Gel	350	300			
Cement	300	200			
Gel	200	100			
Cement	100	-0-			

Description of monument: 5 ½ Csg 5 feet long and that the work of plugging and filling said well was completed on the 12 day of October, 1998

And further deponents saith not.

Sworn and subscribe before me this 8 day of October, 1998
My commission expires: December 24, 2007

Zelma M Meadows
Notary Public

Official Seal
Notary Public, State of West Virginia
Zelma M. Meadows
Route 2, Box 22
Ravenswood, WV 26164
My commission expires December 24, 2007

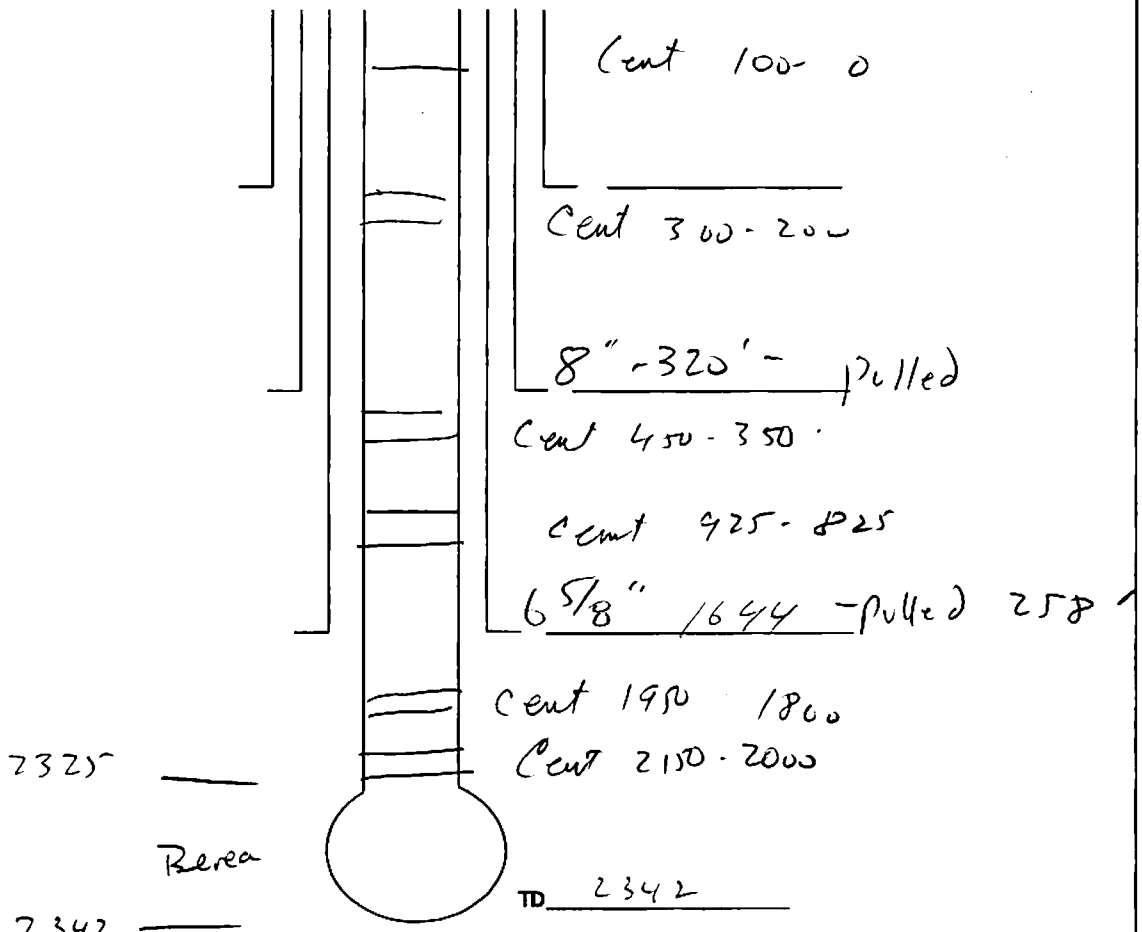
Oil and Gas Inspector

LIN 2159-P

Jurl McCormick 1

Griffithsville Unit #2 Field

47-043- 02154



From Drillers Records/Plugging Records

Pulled 1705' 5 1/2" Csng

Pulled 6 5/8" Csng

WVDEP OOG Internal Use Only
Rev. 6/14/16

(266)

AOR - Well Review Checklist

API Number: 47- 043 - Area Permit Number: 2R AP

Operator Name: HG Energy

Operator's Well #: 1

Farm Name: Thomas McDowell

Field Name: Gnatstville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2427

Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,431 Northing: 4,235,323

Elevation: 327

Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☐	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

08-10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Oil or Gas Well Oil (KIND)

Permit No.

Company G. S. & H. Supply Co.
Address Tulsa Okla
Farm T. J. Mc Dodell Acres 77
Location (waters)
Well No. I Elev. 936. 83
District Duval County Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by
Address
Drilling commenced
Drilling completed
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
Fresh water feet feet
Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8¼			Depth set
6⅝	I760	I760	
5 3/16	I812	I812	Perf. top
3			Perf. bottom
2	2250	2250	Perf. top
Liners Used			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Salt Sand			1145	1525			
Black Slate			1525	1535			
Black Lime			1535	1630			
Maxon Sand			1630	1670			
Black Slate			1670	1683			
Little Lime			1683	1713			
Pencil Cave			1713	1723			
Big Lime			1723	1915			
RedRock			1915	1940			
Big Injun			1940	1990			
Slate			1990	2409			
BereaSand			2409	2427			

JUN 1950
WEST VIRGINIA
DEPARTMENT OF MINES

(Over)

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

G. S. H. Supply Company
NAME OF WELL OPERATOR

c/o Hallie Pack, Hamlin, West Virginia
COMPLETE ADDRESS

July 24, 19 50
WELL AND LOCATION

Duval District

Lincoln County

Well No. 1

T. J. McDowell Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lyon

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Howard Pack and H. E. Pack being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 6 day of June, 19 50, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Bridge Set At		2390				
	Cement	2389	2379			
	Crushed Stone	5'				
	Clay to	1790				
	Cement	1790	1780			
	Crushed Stone	5'				
	Bridge	1300				
	Cement	1300	1290			
	Crushed Stone	5'				
	Clay to	1125				
	Cement	1125	1115			
	Crushed Stone	5'				
	Bridge	350				
	Cement	350	340			
	Crushed Stone	5'				
COAL SEAMS	Mud & Clay to Surface			DESCRIPTION OF MONUMENT		
(NAME)				Erected Marker According		
(NAME)				Rule 10, 1931 Regulations		
(NAME)						
(NAME)						

AUG 1950
WEST VIRGINIA
DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 8 day of July, 19 50.

And further deponents saith not.

Howard Pack
H E Pack

Sworn to and subscribed before me this 24 day of July, 19 50.

Notary Public.

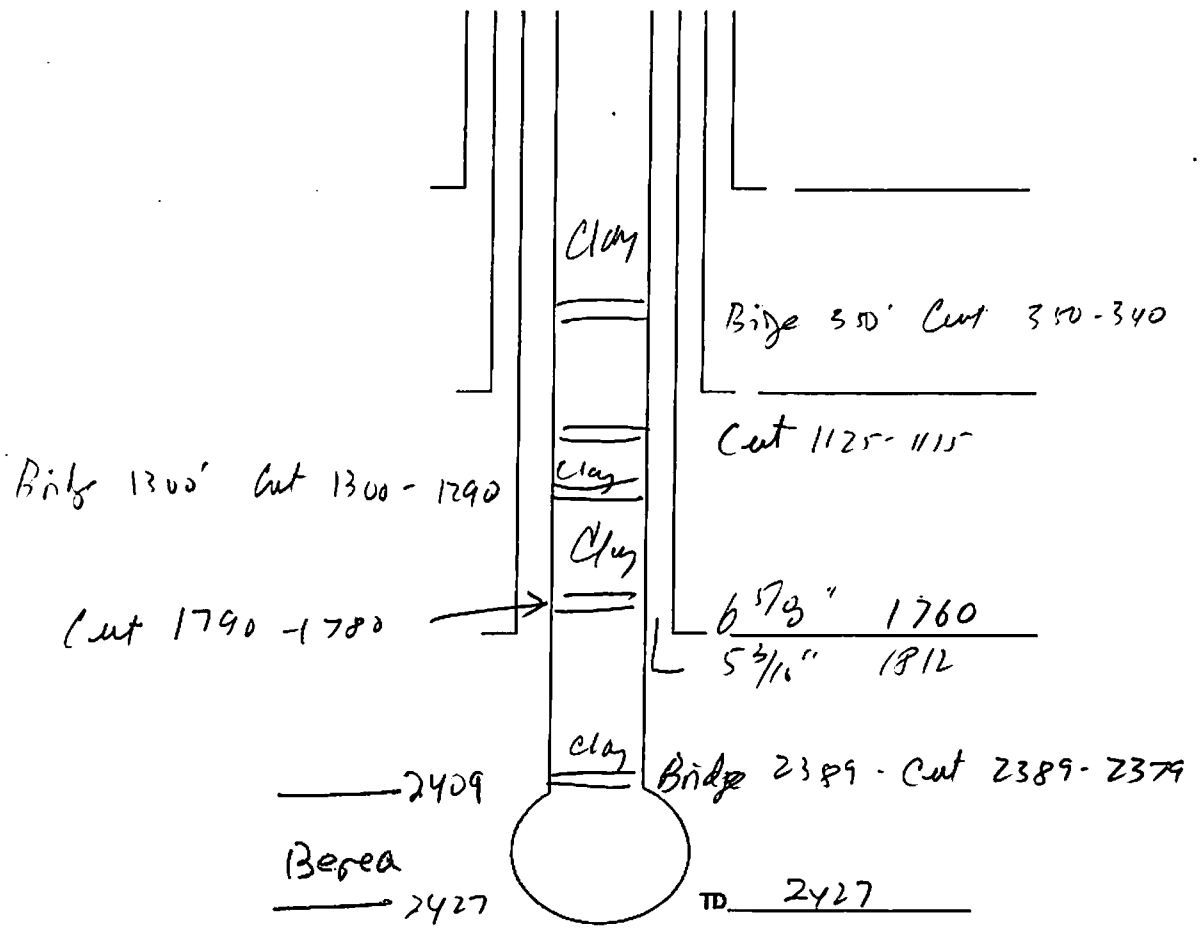
My commission expires: April 4 1957

Permit No. Lin-891

T J McDowell 1

Griffithsville Unit #2 Field

47-043-



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(767)

AOR - Well Review Checklist

API Number: 47- 043 - 02161 Area Permit Number: 2R AP

Operator Name: H6 Energy

Operator's Well #: 2

Farm Name: Thomas McDowell

Field Name: Smithville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☑ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☑

TD of well: 2543

Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,284 Northing: 4,235,412

Elevation: 308

Inside Field Boundary? ☑ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☑	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☑	
Well penetrates injection zone?		No ☐	Yes ☑	
Well perforated in injection zone?		No ☑	Yes ☐	
Cemented across injection zone?		No ☑	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☑	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

41-043-02161

56'

Production First 24 Hou rom { Berea Sand Bbls. Approved. 02161
Sand Bbls. By S

Thomas McDowell Farm, No. of Lease No. A

District Lincoln County Tyler S

Well No. Two Date of Location 19.

Rig Commenced 19
Rig Completed 19 } Contra

Drilling Commenced Feb. 22nd, 1910
Drilling Completed May 13th 1910 } G. L. Tibus & Co Contra

CASING RECORD

Size	CHARGED TO WELL Feet	In.	PUT IN WELL Feet	In.	BOTTOM OF CASING Feet	In.	PULLED OUT OF WELL Feet	In.	LEFT IN WELL Feet	In.	TRANSFERRED BEFORE COMPLETION Feet	In.	LEFT AT W NOT IN C Feet
13	16		16		16				16				
6-5/8	1854		1854		1854				1854				

FORMATION	TOP	BOTTOM	THICKNESS
Red Rock	16	160	
Slate, Sand & Lime	160	1260	
Salt Sand	1260	1772	
Little Lime	1809	1835	
Pencil Cave	1835	1840	
Big Lime	1840	2020	
" Injun	2020	2070	
Coffee Slate	2498	2522	
Berea Sand	2522	2545	

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bott. of S
6	16	10	60			

REMARKS: Water in Salt Sand at 1260 -
Put in 60ft, 6-5/16" Casing at 205

300
200

ABANDONED 19

Size	Casing Pulled	Casing Left in	

REMARKS: El = 1038.56

API# 47-043-2161

WWR-38

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Thomas McDowell
LOCATION: Elevation: 1028'
District: Duval
Latitude:
Longitude:

Operator Well No.: #2
Quadrangle: Garrett's Bend
County: Lincoln
Deg. ____ Min. ____ Sec. ____
Deg. ____ Min. ____ Sec. ____

Well Type: Oil X Gas ____ WIW ____

Company: East Resources Inc.
P.O. Box 5519
Vienna, WV 26105

Agent: Philip S. Ondrusek
Inspector: Ralph Triplett
Permit Issued: 10/18/2007

Coal Operator NA
or Owner

Coal Operator NA
or Owner

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood ss:
Mark Miller and Rick Moore being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by East Resources Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 12th day of November, 2007, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	1960'	1820'	6 5/8" 240'	1,614
Cement	1250'	1150'		
Cement	850'	750'		
Cement	300'	200'		
Cement	100'	0'		
6% Gel Between Cement Plugs				

Description of monument: 7" x 7'
and that the work of plugging and filling said well was completed on the 3rd day of December, 2007
And further deponents saith not.

Mark Miller
Richard D. Moore

Sworn and subscribe before me this 17th day of December, 2007

My commission expires: Oct. 4, 2016

S. Dianne Dulaney
Notary Public

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
S. DIANNE DULANEY
P. O. Box 5519
Vienna, West Virginia 26105
My Commission Expires Oct. 4, 2016

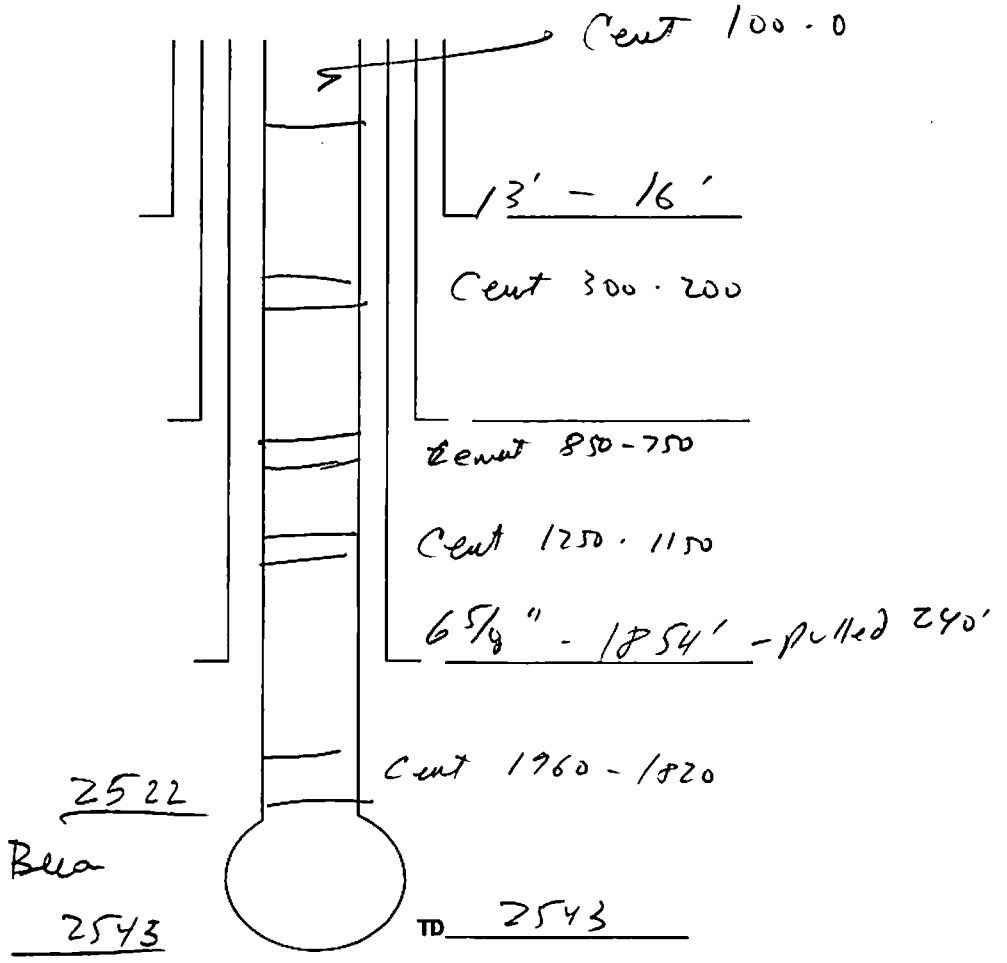
Affidavit reviewed by the Office of Oil and Gas:

Ralph D. Triplett
Title: District Inspector

Thomas McDaniel 2

Griffithsville Unit #2 Field

47-043- 02161



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

268

AOR - Well Review Checklist

API Number: 47- 043 - 2162 Area Permit Number: 2R AP
Operator Name: ~~HG Energy~~ Joseph Potts
Operator's Well #: 3
Farm Name: Thomas McDowell.
Field Name: Gatewood #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☒ Abandoned ☐ Plugged ☐
TD of well:
Completion Zones: Devonian Shale Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,212 Northing: 4,235,575
Elevation: 313
Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☐	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☒	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☐	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0
Bottom Hole Injection Pressure 0
Hydrostatic Pressure 0

Comments:

DEP lists As "Abandoned" - it is Active well
Drilled deep to Shale
Coated Berea Shale Kick off prior to DD

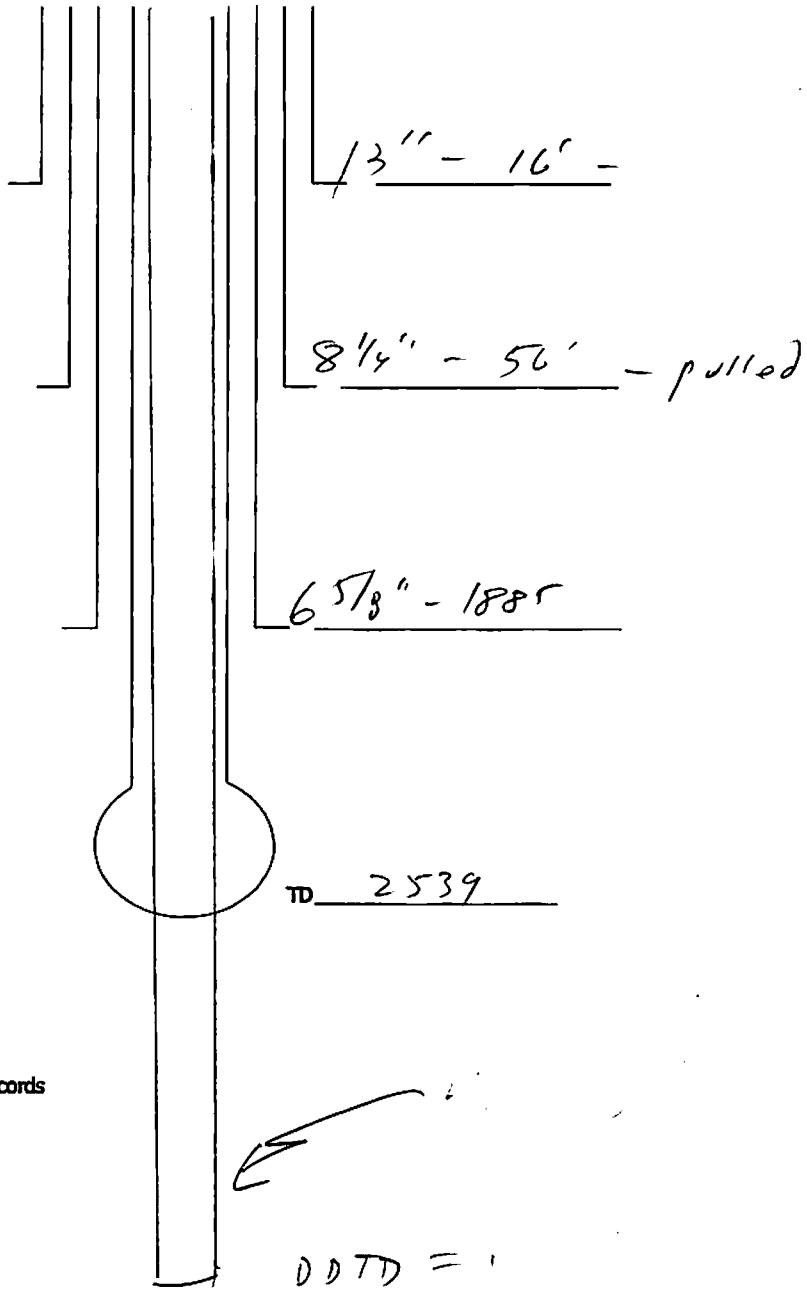
Reviewer Name: Signature:
Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

Thomas McDowell #3

Griffithsville Unit #2 Field

47-043- 02162



From Drillers Records/Plugging Records

47-043-02162

Production First 24 Hours from { Berea Sand Bbls. Approved.
Sand Bbls. By Supt.

Thomas McDowell Farm, No. of Lease No. Acres.

District Lincoln County Wis. State.

Well No. Three Date of Location 19

Rig Commenced 19 } Contractor.
Rig Completed 19 }

Drilling Commenced July 12th 19 12 } Kelley Oil & Dev Co Contractor.
Drilling Completed August 30th 19 12 }

CASING RECORD

Size	Charged to Well Feet	In	Put in Well Feet	In.	Bottom of Casing Feet	In.	Pulled out of Well Feet	In.	Left in Well Feet	In.	Transferred before completion Feet	In.	Left at well not in use Feet	In.
13	16		16		16				16					
8-1/4	56		56		56		56							
3-5/8	1885		1885		1885				1885					

Formation	Top	Bottom	Thickness
Sand	56	65	
Red Rock	65	225	
Slate &Sand	225	1200	
Salt Sand	1200	1784	
Little Lime	1784	1815	
Slate	1815	1847	
Big Lime	1847	2025	
Injun	2025	2200	
Sand & shells	2200	2519	
Berea Sand	2519	2539	

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
9	7	12	90			

REMARKS: Water in Salt Sand at 1280 & 1320

ABANDONED

Size	Casing Pulled	Casing Left In	

REMARKS: El=1039.40

WVDEP Office of Oil and Gas - Well Search

Disclaimer: Per §22-6-6. Permit required for all well work; permit fee; application; soil erosion control plan.

(a) It is unlawful for any person to commence any well work, including site preparation work, which involves any disturbance of land, without first securing a well work permit from the director of the WVDEP Office of Oil and Gas.

The appearance of an API number on the web page does not signify that a permit has been issued. The API number is used as a tracking mechanism until the permit has been issued. Under no circumstances should well work be commenced without a signed permit.

Well API	Operator	Surface Owner	Well Number	Well Status	Well Type	Last Permit Issue Date
4704302162	PETTEY, JOSEPH E.	HAGER, ELDON	T. MCDOWELL 3	Abandoned Well	Vertical	03/18/2004

The operator listed above is the CURRENT operator of the well.

This operator may or may not have recorded production for this well for the years listed below.

The production listed below spans this well's 5 last years, regardless of the operator who originally recorded a particular year's production numbers.

Well Lifetime Gas Production

No Production Reported

Well Lifetime Oil Production

No Production Reported

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 02163 Area Permit Number: 2R AP
Operator Name: 46 Energy
Operator's Well #: 4
Farm Name: Thomas McDowell
Field Name: Enterprise #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2527
Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,469 Northing: 4,235,566
Elevation: 309
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

71-043-02163

02163

07/21/2003 13:25 13045242813 EAST RESOURCES INC PAGE 05

Thomas McDowell WELL (4) ACRES LEASE No. 75042

Duval COUNTY Lincoln STATE W.Va. N. S.80 E. W. 76

COMMENCED 19 COMPLETED 19 CONTRACTOR

COMMENCED April 29 19 13 COMPLETED July 30 19 13 CONTRACTOR Holley O & Dev. Co.

D. COMMENCED 19 COMPLETED 19 CONTRACTOR

FORMATION

KIND	TOP	BOTTOM	SHOT OR SHOWING	REMARKS
Sand	300	340		
Slate	340	450		
Sand	450	700		
Slate	700	770		
Sand	770	850		
Slate	850	920		
Sand	920	1000		
Slate	1000	1120		
Sand	1120	1160		
Slate	1160	1220		
Big Sand	1220	1799		
Little Lime	1799	1826		
Pencil Cave	1826	1836		
Big Lime	1836	2016		
Big Injun	2016	2066		
Slate	2066	2125		
Sand	2125	2225		
Slate	2225	2492		
Coffee Shale	2492	2507		
Berea Sand	2507	2527		
Water	1890			

TOTAL DEPTH 2527

CASING RECORD

SIZE	BOTTOM CASING (DRILLER'S LINE)	PUT IN WELL (TOTALLY PULLED)	PULLED (TOTALLY PULLED)	LEFT IN WELL (WHAT KIND)
6-5/8	1846			
5 3/16"		1760		
3"O.D. 2.75	2527 2280			

PACKERS

KIND	SIZE	DEPTH SET	DATE SE

TORPEDO RECORD

DATE SHOT	NO. QTS.	SIZE SHELL	TOP SHOT	BOTTOM	RESULT
8-1-13	90				
4-16-14	80				

ABANDONMENT RECORD

FILLED WITH	FROM	TO	SIZE	PLUG KIND	DEPTH

REMARKS

Sept;22 1919 5-3/16" Liner set in well
Top of linor 2185', Bot. Liner 2440
13 Joints. Liner hung on 5-3/16" Packe

PRODUCTION RECORD

4 HOURS BEFORE SHOT SAND SOLD

4 HOURS AFTER SHOT SAND SOLD

GAS TEST

APPROVED BY SUPT

JUL 23 2003

API # 47-043-02163

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

COPY

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Hager, Eldon Operator Well No.: McDowell #4

LOCATION: Elevation: 1021.36' Quadrangle: Garrett's Bend 7.5'
District: Duval County: Lincoln
Latitude: 10,975' West of 38 Deg. 17 Min. 30 Sec.
Longitude 9,975' South of 81 Deg. 55 Min. 00 Sec.

Well Type: OIL X GAS ____

Company: East Resources Inc.
P.O. BOx 5519
Vienna, WV 26105

Coal Operator or Owner: NA

Agent: Michael McCown
Inspector: Ralph Triplett
Permit Issued:

Coal Operator or Owner: ____

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood ss:

DW Wade and Ben Parsons being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by East Resources Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 29th day of January, 2004, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
	2500'	2400'	5 1/2" - 1375'	471'
Cement	1900'	1800'	7" - 0	1846'
Cement	1400'	1150'		
Cement	500'	400'		
Cement	100'	surface		
6% Gel Below Cement Plugs				

Description of monument: 5" x 20'

and that the work of plugging and filling said well was completed on the 31st day of January, 2004.

And furthur deponents saith not.

Ben Parsons
DW Wade

Sworn and subscribed before me this 4th day of February, 2004

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
S. DIANNE DULANEY
P.O. Box 551
Vienna, West Virginia 26105

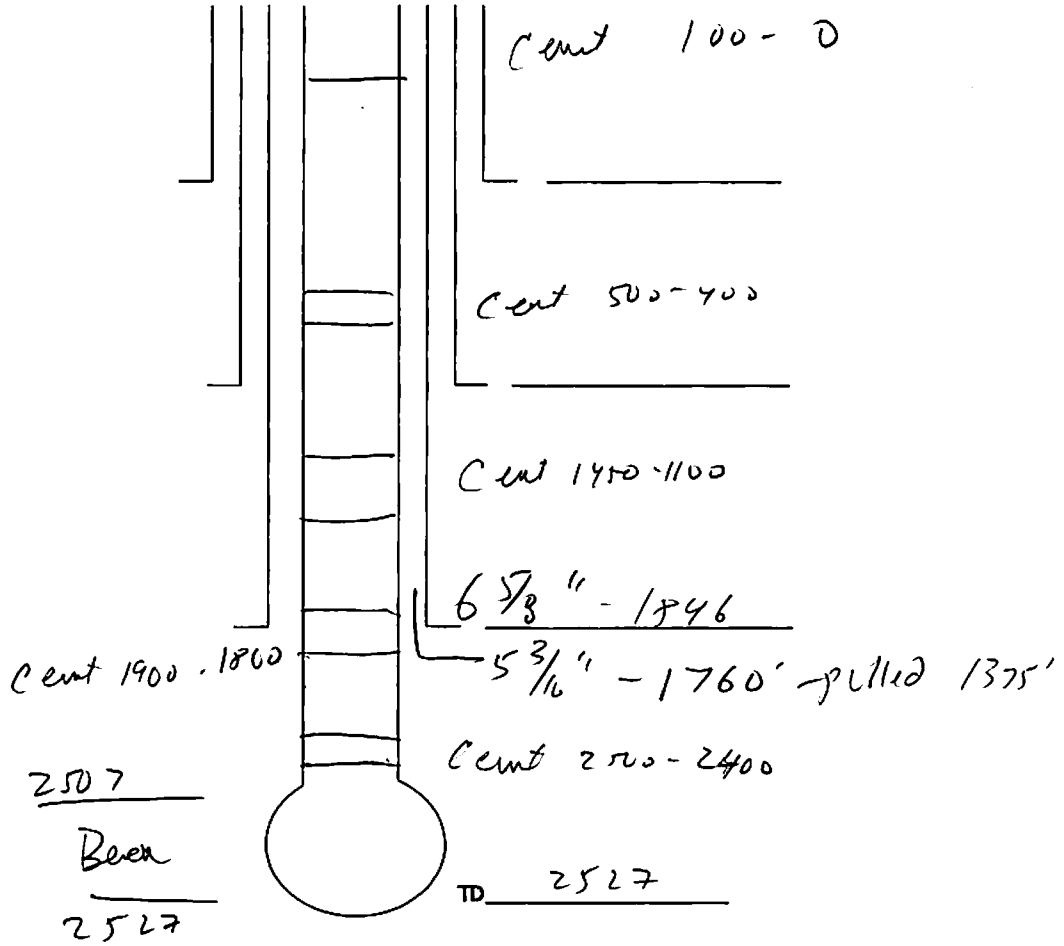
My commission expires Oct. 4, 2006

Notary Public

Thomas McDowell 4

Griffithsville Unit #2 Field

47-043- 02163



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

270

AOR - Well Review Checklist

API Number: 47- 043 - 02164 Area Permit Number: 2R AP
Operator Name: H6 Energy LLC
Operator's Well #: 5
Farm Name: Thomas McDowell
Field Name: Guthrieville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2527
Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,018 Northing: 4,235,699
Elevation: 313
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043 - 02164

Production First 24 Hours from { Bbls. Sand Bbls. Approved. 43-02164P
Bbls. Sand Bbls. By Supt

Theron McDowell Farm, No. of Lease No. Acre
District Lincoln County Wyo. State
Well No. Five Date of Location 19
Rig Commenced 19 } Contractor
Rig Completed 19 }
Drilling Commenced June 4th 19 13 } Kelley Oil & Gas Co Contractor
Drilling Completed Aug. 7th 19 13 }

CASING RECORD

Size	CHARGED TO WELL Feet	In	PUT IN WELL Feet	In	BOTTOM OF CASING Feet	In	PULLED OUT OF WELL Feet	In	LEFT IN WELL Feet	In	ELEVATION REQUIRED BEFORE COMPLETION Feet	In	LEFT AT WELL, NOT IN USE Feet	In
13	12		12		12				12					
8-5/8	1927		1927		1927				1927					

RECEIVED
Office of Oil & Gas
SEP 17 2012
WV Department of Environmental Protection

FORMATION	TOP	BOTTOM	THICKNESS
Sand Slate & Lime	400	1220	
Salt Sand	1220	1668	
Slate	1668	1718	
Mexon Sand	1718	1760	
Slate	1760	1780	
Little Lime	1780	1818	
Pencil Cave	1818	1826	
Big Lime	1826	1997	
Injun	1997	2047	
Slate	2047	2127	
Lime Shells	2127	2277	
Slate	2277	2506	
Berea Sand	2506	2526	
Slate	2526	2527	

SHOT RECORD

Month	Day	Yr.	Size Shot	Length	Top of Shot	Bottom of Shot
8	12	13				

REMARKS: Water in Salt Sand at 1240 Jan. 15th, 1919 Run String of 8-5/8 Casing amount of casing 2024'. Set On a Rock wall packer 4' long making the bottom of the packer to the Depth of 2028' Signed- H.L.Klein

ABANDONED 19

Size	Casing Pulled	Casing Left In

REMARKS: El= 1031.57

API# 47- 043 - 2164

WR-38
Rev. 5/08

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm Name: Thomas McDowell
Location: Elevation: 1027'
District: Duval
Latitude: _____ Feet South of: _____ Deg. _____ Min. _____ Sec.
Longitude: _____ Feet West of: _____ Deg. _____ Min. _____ Sec.

Operator Well No.: No. 5
Quadrangle: Garrett's Bend 7.5'
County: Lincoln

Well Type: Oil X Gas _____ WIW _____

Company: East Resources Inc.
5260 Dupont Road
Parkersburg, WV 26101
Agent: Philip S. Ondrusek

Coal Operator or Owner: NA

Coal Operator or Owner: NA

Permit Issued: 9/26/12

AFFIDAVIT

State of West Virginia, County of Wood ss:

Mark Miller and Roger McComas being first duly sworn according to law, depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 23rd day of October 2012 and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2496'	2390'		
Cement	1999'	1777'	5 1/2" 2024'	0'
Cement	1211'	977'		
Cement	615'	350'		
Cement	109'	0'		
	Perforated 6 5/8" Casing 4 shots, 1200' - 1100', 600' - 500' & 100' - 90'			
6% Gel Between Cement Plugs				

Description of monument: 8" x 4'
and filling said well was completed on the 9th day of November and that the work of plugging , 2012

And further deponents saith not. Mark Miller

Roger McComas

Sworn and subscribed before me this _____ day of _____ , 20___

My commission expires: _____

Notary Public _____

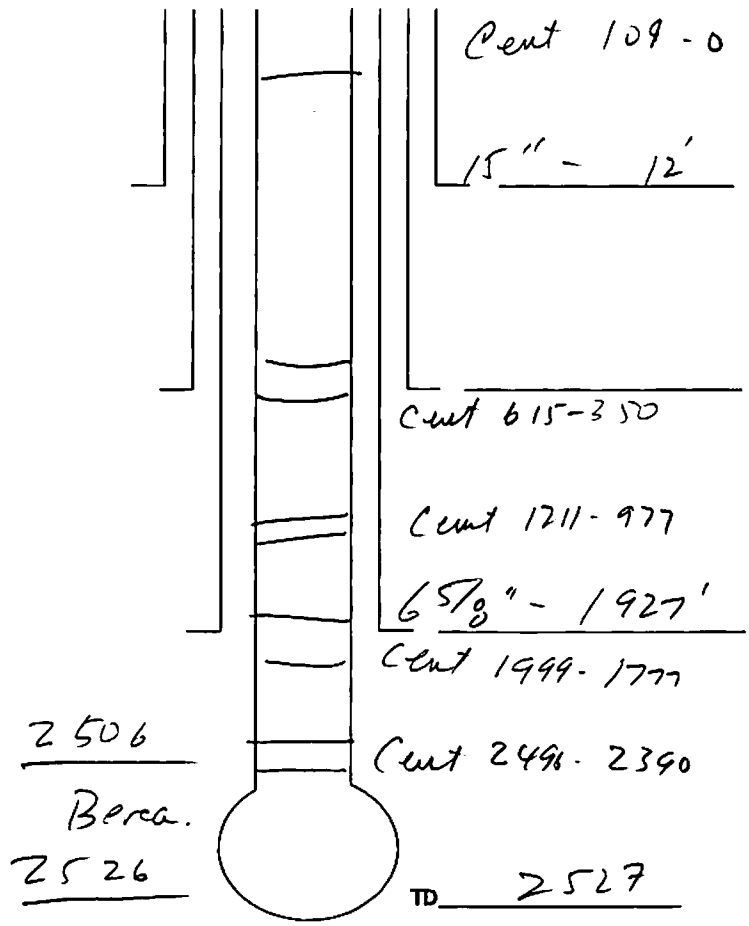
Affidavit reviewed by the Office of Oil and Gas: Ralph D. Triplett

Oil & Gas Inspector _____

Thomas McDowell #

Griffithsville Unit #2 Field

47-043- 02164



From Drillers Records/Plugging Records

Unable to pull 5 3/16" CSG or 6 5/8" CSG - perforated

WVDEP OOG Internal Use Only
Rev. 6/14/16

(271)

AOR - Well Review Checklist

API Number: 47- 043 - 31302 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 6
Farm Name: Thomas McDowell
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2521
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,641 Northing: 4,235,706
Elevation: 308
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Need WR38 - NA

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

Production — First 24 Hours from { Bores ____ Sand ____ Bbls. } Approved.
{ ____ Sand ____ Bbls. } By ____ Supt.

Thomas McDonnell — Farm, No. of Lease ____ No. Acres.
District Lincoln — County Wetzel — State.

Well No. Six — Date of Location ____ 19__
Rig Commenced ____ 19__
Rig Completed ____ 19__ — Contractor.

Drilling Commenced July 7th 1916
Drilling Completed Aug. 29th 1916 — Wayland Oil & Gas Co Contractor.

CASING RECORD

	CHARGED TO WELL		PUT IN WELL		BOTTOM OF CASING		PULLED OUT OF WELL		LEFT IN WELL		TRANSFERRED BEFORE COMPLETION		LEFT AT WELL NOT IN USE	
Ins	Feet	In	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
8-5/8	1845		1845		1845				1845					

FORMATION	TOP	BOTTOM	THICKNESS
White Lime	1100	1120	
Black slate	1120	1190	
Salt Sand	1190	1795	
Black slate	1795	1805	
Little Lime	1805	1830	
Pencil Cave	1830	1836	
Big lime	1836	2014	
" Injun	2014	2065	
Black Slate	2065	2128	
" Shells	2128	2260	
Slate	2260	2480	
Brown shale	2480	2500	
Berea Sand	2500	2521	
Oil or Pay Sand	2506	2514	

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
9	6	16	60			
2	7	16	60		2502	2521
8	9	29	30		2504	2511

REMARKS: Little Water at 550' 10" hole 820' Water at 1260, 9 bailers per our. Hole full of water at 1280 Second Shot by M.H.Bailey -Witness W.H Wilson Well cleaned its self good.

ABANDONED ____ 19__

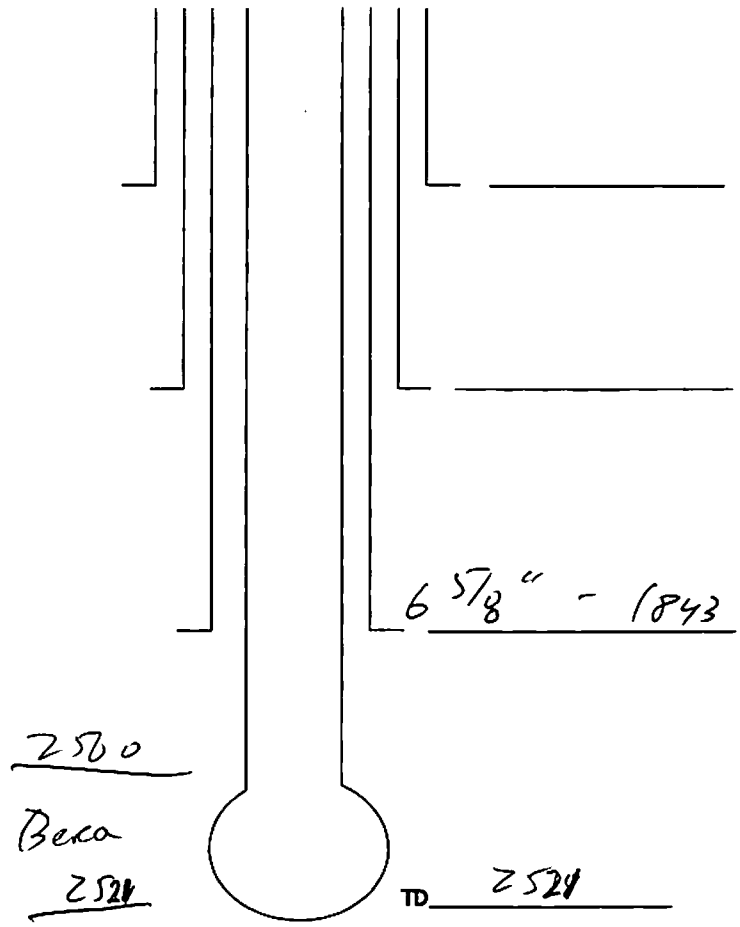
Size	Casing Pulled	Casing Left In	

REMARKS: EL = 1019 76

Thomas McDowell L

Griffithsville Unit #2 Field

47-043- 3130E



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

272

AOR - Well Review Checklist

API Number: 47- 043 - 02165 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 7
Farm Name: Thomas McDowell
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2429
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,733 Northing: 4,235,861
Elevation: 286
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

Production First 24 Hours from { Boree Sand Bbls. / Sand Bbls.

Approved. 47-043-02165

By Supt.

Thomas McDowell Farm, No. of Lease No. Acres.

District Lincoln County Wa. State.

Well No. Boren Date of Location 19

Rig Commenced 19 } Contractor.
Rig Completed 19 }

Drilling Commenced Sep. 14th 19 16 } Wayland OIL &GAS co Contractor.
Drilling Completed Nov. 7th 19 16 }

CASING RECORD

Size	CHARGED TO WELL Feet	In	PUT IN WELL Feet	In.	BOTTOM OF CASING Feet	In.	PULLED OUT OF WELL Feet	In.	LEFT IN WELL Feet	In.	TRANSFERRED BEFORE COMPLETION Feet	In.	LEFT AT WELL NOT IN USE Feet	In.
6-5/8	1742		1742		1742				1742					

FORMATION	TOP	BOTTOM	THICKNESS
Sa.d sand	1680	1682	
Slate	1682	1692	
Black Lime	1692	1722	
Pencil Cave	1722	1728	
Big Lime	1728	1922	
Big Injun	1922	1982	
Slate	1982	2056	
Shells	2056	2185	
Slate & shells	2185	2394	
Brown Shale	2394	2409	
Boren Sand	2409	2429	
Oil & Gas	2412	2427	

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
11	9	16	60			
5	24	19	60			

REMARKS: Water at 150' Drew in 10" hole at 850'. First water in salt sand 1150

Second water in salt sand 1200

[redacted]

Gas at 1858

ABANDONED 19

Size	Casing Pulled		Casing Left In	

REMARKS: El= 928.65

API # 47-43-02165-P

WR-38
14-May-99

RECEIVED
Office of Oil & Gas
UIC Section
JUL 09 1999
WV Division of
Environmental Protection

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Hager, Eldon J Operator Well No.: T. McDowell #7
LOCATION: Elevation: 926.55 Quadrangle: Garretts Bend
District: Duval County: Lincoln
Latitude: 9100 Feet South of 38 Deg. 17 Min. 30 Sec.
Longitude 10100 Feet West of 81 Deg. 55 Min. 0 Sec.

Well Type: OIL X GAS ____

Company: S. L. Meadows, Jr. Production, Inc.
ROUTE 2 BOX 22
RAVENSWOOD, WV 26164

Coal Operator or owner: N/A

Agent: S. L. Meadows, Jr.

Coal Operator or owner: N/A

Permit Issued:

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of ____ ss:

Jason Meadows and Bill Ferrebee being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Rod Dillon Oil and Gas Inspector representing the Director, say that said work was commenced on the 19 day of June, 1999, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED		LEFT
Gel	2400	2250	2 3/8 tubing	2378	-0-
Cement	2250	2150			
Gel	2150	2000	5 ½ csg	1210	572
Cement	2000	1900			
Gel	1900	1250	7 csg	110	1632
Cement	1250	1150			
Gel	1150	850	Shot well	1210	
Cement	850	750		813	
Gel	750	350		510	
Cement	350	250		300	
Gel	250	100		110	
Cement	100	-0-			

Description of monument: 5 ½ csg 5 foot long and that the work of plugging and filling said well was completed on the 29 day of June, 1999.

And further deponents saith not.

L. L. Meadows, JR

Sworn and subscribe before me this 29 day of June, 1999

My commission expires: December 24, 2007

Zelma M Meadows
Notary Public

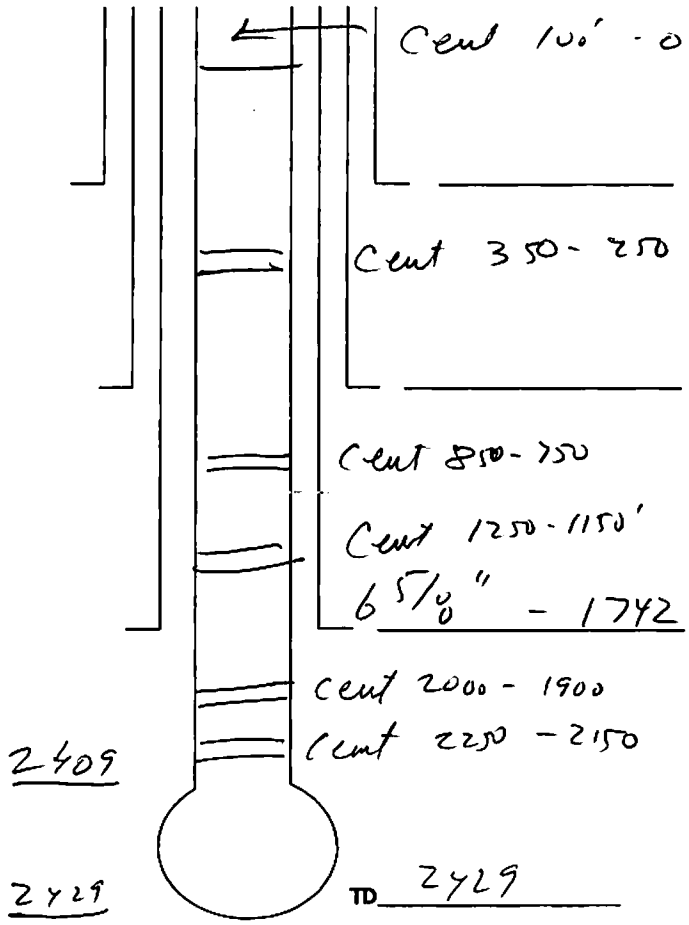
Official Seal
Notary Public, State of West Virginia
Zelma M. Meadows
Route 2, Box 22
Ravenswood, WV 26164
My commission expires December 24, 2007

Oil and Gas Inspector

Thomas McDowell 7

Griffithsville Unit #2 Field

47-043- 02165



From Drillers Records/Plugging Records

Reported 6 5/8" casing

273

WVDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

API Number: 47- 043 - 30781 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 1
Farm Name: Thomas McDaniel (77 AC)
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2427
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,424 Northing: 4,235,971
Elevation: 285
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

OG-10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

30881

WELL RECORD

Permit No. _____ Oil or Gas Well Oil (KIND)

Company G. S. & H. Supply Co.
Address Tulsa Okla
Farm T. J. Mc Dodell Acres 77
Location (waters) _____
Well No. I Elev. 936. 83
District Duval County Lincoln
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10			Size of
8¼			
6⅝	1760	1760	Depth set
5 3/16	1812	1812	
3			Perf. top
2	2250	2250	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Salt Sand			1145	1525			
Black Slate			1525	1535			
Black Lime			1535	1630			
Maxon Sand			1630	1670			
Black Slate			1670	1683			
Little Lime			1683	1713			
Pencil Cave			1713	1723			
Big Lime			1723	1915			
RedRock			1915	1940			
Big Injun			1940	1990			
Slate			1990	2409			
BereaSand			2409	2427			

JUN 1950

(Over)

3088

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
LEASE OR PROPERTY OWNER
ADDRESS

G. S. H. Supply Company
NAME OF WELL OPERATOR
c/o Hallie Pack, Hamlin, West Virginia
COMPLETE ADDRESS
July 24, 1950
WELL AND LOCATION
Duval District
Lincoln County
Well No. 1
T. J. McDonald Farm

STATE INSPECTOR SUPERVISING PLUGGING D. S. Carter

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Howard Pack and H. S. Pack being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by H.S.H. Supply well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 1 day of June, 1950, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD		FILLING MATERIAL		PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
[illegible]		[illegible]				
	Cement	2389	2379			
	Crushed Stone	5'				
	Clay to	1790				
	Cement	1790	1780			
	Crushed Stone	5'				
	Bridge	1300				
	Cement	1300	1290			
	Crushed Stone	5'				
	Clay to	1125				
	Cement	1125	1115			
	Crushed Stone	5'				
	Bridge	350				
	Cement	350	340			
	Crushed Stone	5'				
	Hull Clay to Surface					

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	Concrete Marker Approximately
(NAME)	6x6 ft, 4ft Above Ground
(NAME)	
(NAME)	

AUG 1950
WEST VIRGINIA
DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 3 day of August, 1950.

And further deponents saith not.

Howard Pack
H S Pack

Sworn to and subscribed before me this 24 day of July, 1950.

Notary Public.

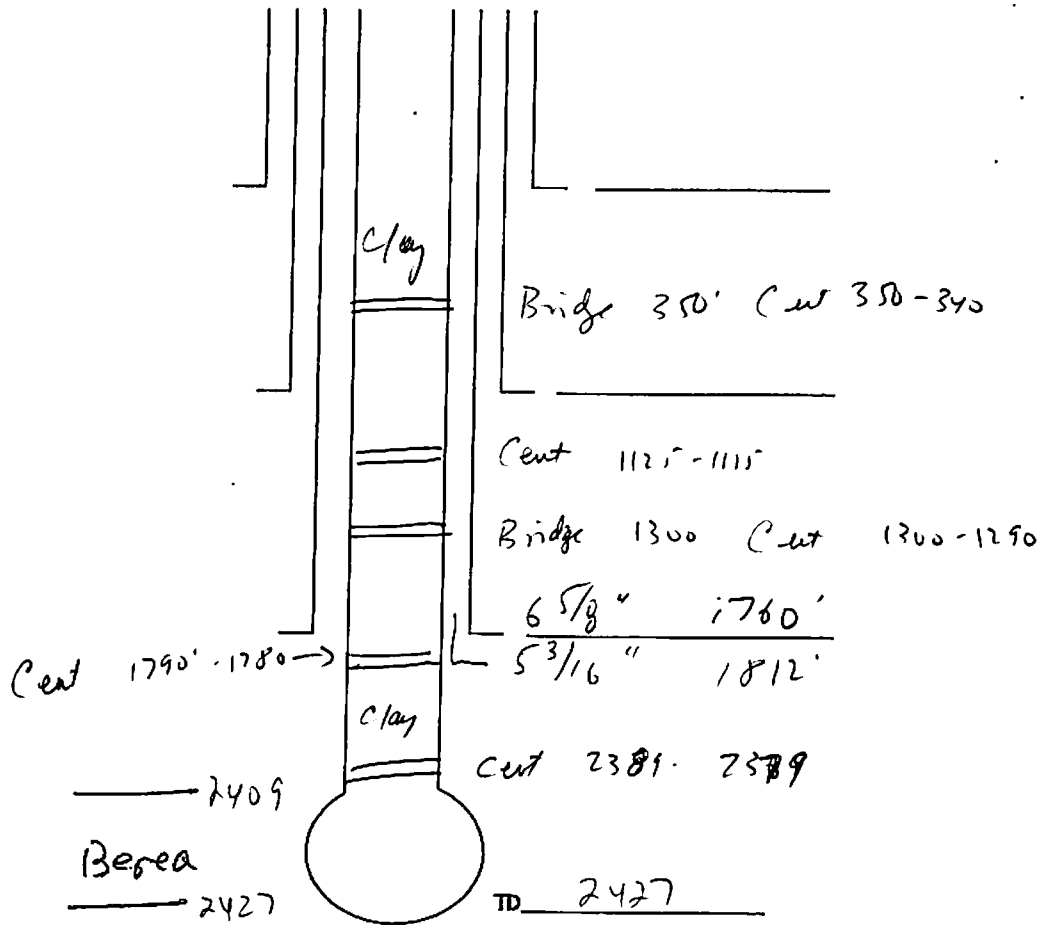
My commission expires:
Apr 1, 1957

Permit No. [illegible]

T McDowell #1

Griffithsville Unit #2 Field

47-043- 3088,



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(274)

AOR - Well Review Checklist

API Number: 47- 043 - 30847 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 1
Farm Name: Fm mid Cliff
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2263
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 1418,209 Northing: 4,230,946
Elevation: 237
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

71-073-30071

Record of Well No. 1 on J. M. Hickle Farm Acres 308.47

Field, District County,

Rig Commenced 19 Completed 19

Drilling Commenced May 22nd 1909 Completed July 10th 1909

Cost per foot, Contractor, Hawley & Hansen Co. Address, Hawley, W. Va.

Drillers' Names, Asa Lewis & Ira Lowell

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅛ inch	6⅝ inch	6¼ inch	5⅝ inch	5 3/16 inch	4¾ inch
14				216		1550				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅛ inch	6⅝ inch	6¼ inch	5⅝ inch	5 3/16 inch	4¾ inch

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
7/21		2"	1½ F.H.	7/8 111 130 sk.

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soft Sand		14	14	Fl = 7"
Sand	14	44	30	
Slate	44	104	60	
Sand	104	154	50	
Slate	154	164	10	
Coal	164	167	3	
Sand	167	207	40	
Slate	207	227	20	
Slate & Sand	227	810	583	
Slate	810	870	60	
Salt Sand	870	1440	570	
Red Rock	1440	1460	20	
Black Lime	1460	1485	25	
Slate	1485	1500	15	
Little Lime	1500	1540	40	
Pencil Cave	1540	1545	5	
Big Lime	1545	1730	185	
Big Injun Sand	1730	1800	70	
Slate	1800	1860	60	
Lower Shells	1860	2020	160	
Slate	2020	2224	204	
Black Slate	2224	2244	20	
Berea Sand	2244	2260	16	

47-043 - 30847

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

South Penn Gas Company
LEASE OR PROPERTY OWNER

Parkersburg, West Virginia
ADDRESS

West Virginia Pipe Project
NAME OF WELL OPERATOR

Box 2452, Tulsa, Oklahoma
COMPLETE ADDRESS

October 7, 1949 19

WELL AND LOCATION

Duval District

Lincoln County

Well No. 1

F. M. Midkiff Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Odis Parsons and S. S. Stephens, Jr.

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by West Virginia Pipe Project, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 30th day of September, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Pulled 2" tubing. Set bridge at 2224' (20' above Berea) 2 sacks neat cement and 5' crushed stone, clay to 2124', cement to 2114'. Set bridge at 1800' (bottom of Big Injun) 2 sacks neat cement and 5' crushed stone, clay to 1580' (30' below 6-5/8" casing) 2 sacks neat cement and 5' crushed stone, sealing hole below 6-5/8" casing. Pulled 5-3/16" casing. Pulled 6-5/8" casing as balance of hole was plugged and filled. Set bridge at 1100'. In salt sand. 2 sacks neat cement and 5' crushed stone, clay to 650' (20' above Salt Sand) cement to 840'. Set bridge at 250', 2 sacks neat cement and 5' crushed stone, clay to surface and erect monument.					1100' of	5-3/16"
					1550' of	6-5/8"

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	12" x 12" x 30"
(NAME)	
(NAME)	
(NAME)	

OCT 1949
WEST VIRGINIA
DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 4th day of October, 19 49.

And further deponents saith not.

O. F. Parsons
S. S. Stephens Jr.

Sworn to and subscribed before me this 10th day of October, 1949.

J. R. Osborne
Notary Public.

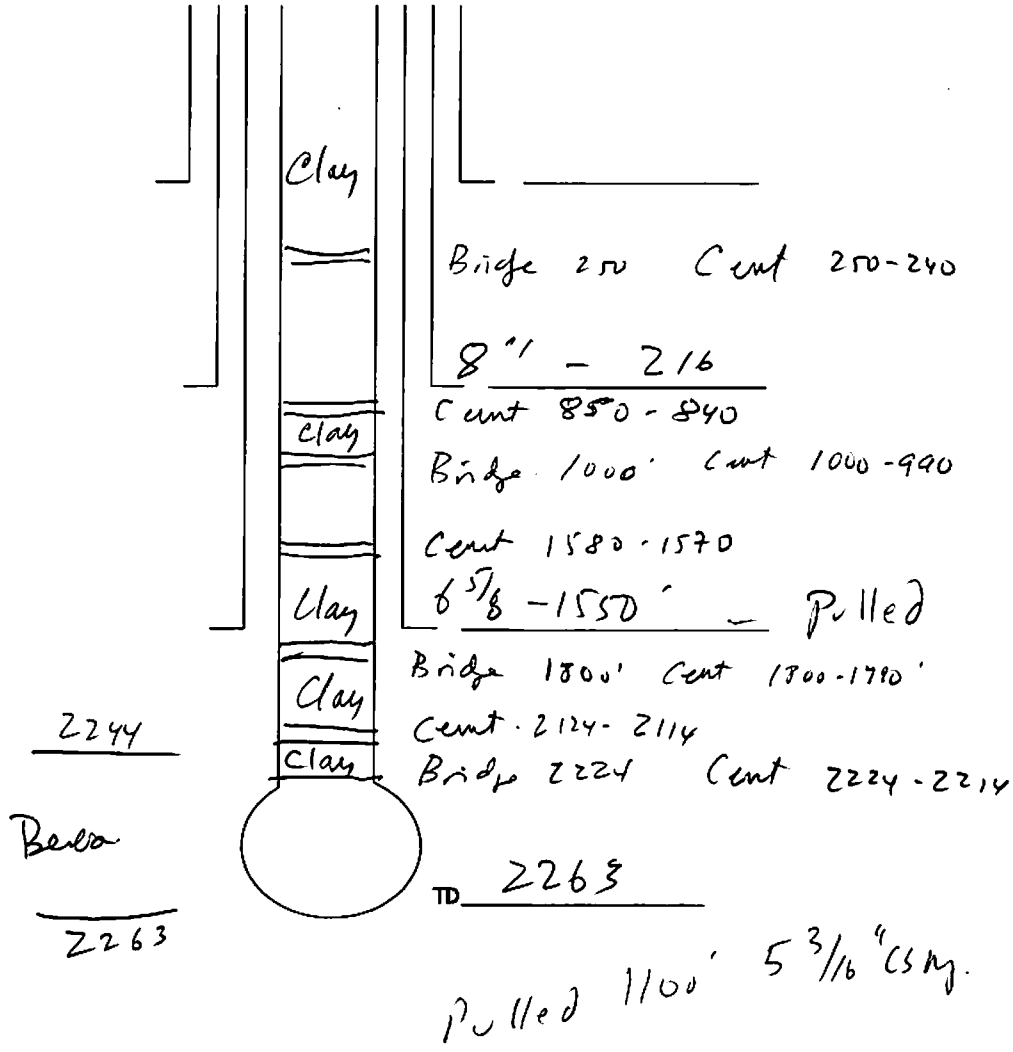
My commission expires:
Oct-9-1957

Permit No. LIN-847

From Mid Kiff #1

Griffithsville Unit #2 Field

47-043- 30847



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(775)

AOR - Well Review Checklist

API Number: 47- 043 - 30848 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 2

Farm Name: E M Midkiff

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2386

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 418,387 Northing: 4,230,890

Elevation: 277

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

41-095-00010

30848

RECORD of Well No. 2 on L. M. Lockhart Farm ____ Acres ____

Field, ____ District ____ County, ____

Rig Commenced ____ 19____, Completed ____ 19____

Drilling Commenced July 19 1909, Completed Oct 13 1909

Cost per foot, 15¢ Contractor, Hawley & Miller Gas Co Address, Hawley, W. Va.

Drillers' Names, Amos Gould and J. H. Lovell

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3/16 Inch	4½ Inch
14				320		1692				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3/16 Inch	4½ Inch
14						1692				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
To 1st		2nd 3rd 7/16in	120 gts	

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil & Clay		14	14	
Sand	14	34	20	
Slate & Shells	34	234	200	
Sand	234	304	70	
Slate & Sand	304	964	660	
Slate	964	1010	46	
Slate Sand	1010	1540	530	
Slate	1540	1600	10	Hole full water at 1060
Big Rock	1600	1610	10	
Slate	1610	1630	20	
Little Lime	1630	1670	40	
Pencil Cave	1670	1675	5	
Big Lime	1675	1860	185	
Injun Sand	1860	1910	50	
Slate	1910	1970	60	
Sand Shells	1970	2120	150	
Slate	2120	2343	223	
Black Slate	2343	2363	20	
Berea Sand	2363	2384	21	
Slate	2384	2386	2	

47.043 - 30848

FORM OG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

South Penn Gas Company
LEASE OR PROPERTY OWNER

Parkersburg, West Virginia
ADDRESS

West Virginia Pipe Project
NAME OF WELL OPERATOR

Box 2452, Tulsa, Oklahoma
COMPLETE ADDRESS

October 17, 1949 19..

WELL AND LOCATION

Duval District

Lincoln County

Well No. 2

F. M. Midkiff Farm

Dana E. Lawson

STATE INSPECTOR SUPERVISING PLUGGING

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Paul Mize and Ellis Sowards being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by West Virginia Pipe Project, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 7th day of October, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Pulled tubing. Set bridge a t 2343' (20' above Berea) 2 sacks neat cement and 5' crushed stone, clay to 2243', cement to 2233'. Set bridge a t 1910' (bottom of Big Injun) 2 sacks neat cement and 5' crushed stone on bridge. Pulled 5-3.16" casing. Filled with clay to 1722' (30' below 6-5/8" casing) 2 sacks neat cement and 5' crushed stone, sealing hole completely below 6-5/8" casing. Pulled 6-5/8" casing as balance of hole was plugged and filled. Set permanent bridge at 1100' (in Salt Sand) 2 sacks neat cement and 5' crushed stone, clay to 990' (20' above Salt Sand) Neat cement to 980'. Set bridge at 250', 2 sacks neat cement and 5' crushed stone, clay to surface and erect monument.					1793' of 5-3/16"	
					1692' of 6-5/8"	

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	12" x 12" x 30"
(NAME)	
(NAME)	

OCT 1949

and that the work of plugging and filling said well was completed on the 12th day of October, 1949.

And further deponents saith not.

Paul Mize
Ellis Sowards

Sworn to and subscribed before me this 20th day of October, 19 49.

J R Osborne
Notary Public.

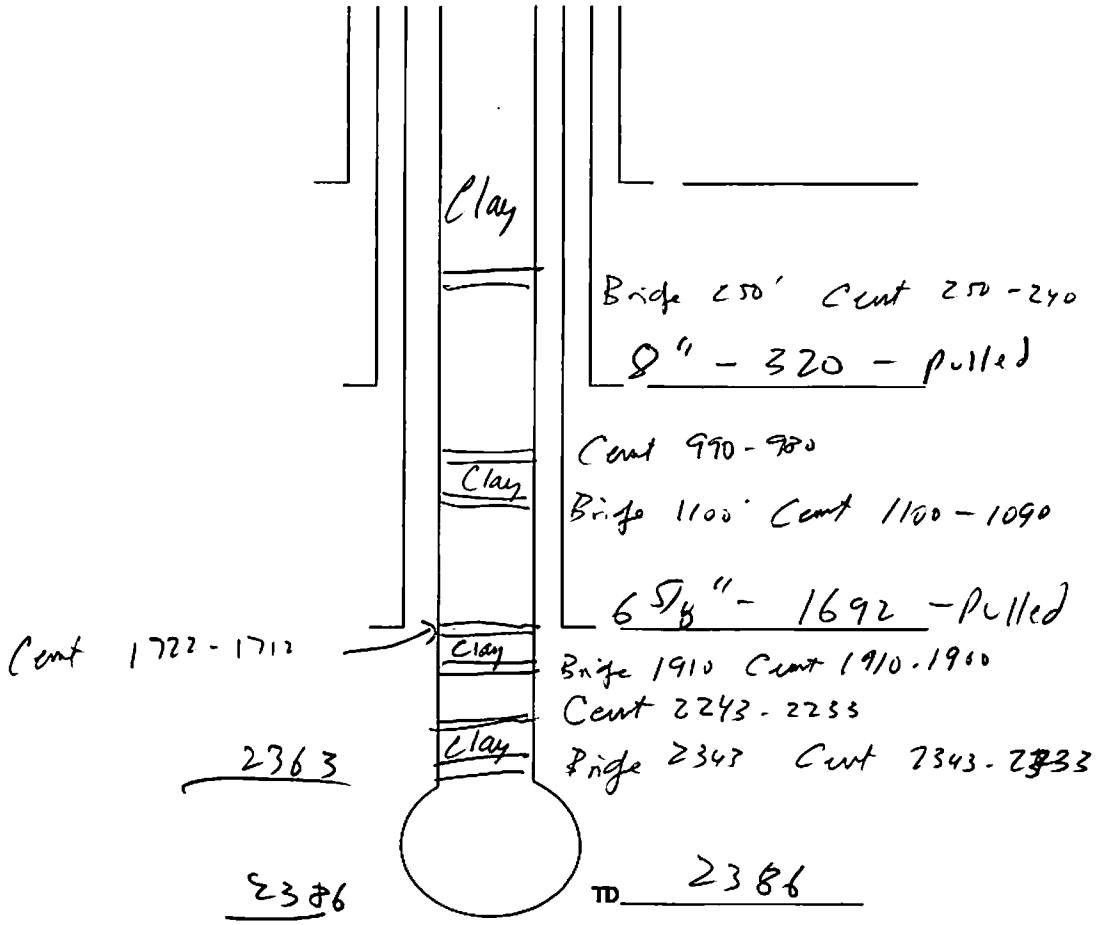
Permit No. LIN-848

My commission expires:
10-2-'57

FM Mid Kitt 2

Griffithsville Unit #2 Field

47-043- 30 84D



Pulled 1793' of 5 3/16" Csng

From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

276

AOR - Well Review Checklist

API Number: 47- 043 - 70165 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: Fr Midkiff

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2431

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 418,052 Northing: 4,230,929

Elevation: 288

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Need WR 38 - NA

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

41-095-10163

RECORD of Well No. 3 on G. W. Westfall Farm Acres ✓

Field, District County,

Commenced 19 , Completed 19

Drilling Commenced Oct 22 1909, Completed Dec 7 1909

Cost per foot, 1½ Contractor, Hanley & Bruner & Address, Hanley, W. Va.

Drillers' Names, Amos Good & J. H. Good

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6⅝ Inch	6¼ Inch	6⅛ Inch	5 3/16 Inch	4⅛ Inch
14'				347		1735				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6⅝ Inch	6¼ Inch	6⅛ Inch	5 3/16 Inch	4⅛ Inch
14						~~1735~~				

OIL WELL — GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
[illegible]	[illegible]	25 [illegible]	[illegible]	[illegible]					

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil & clay		14	14	
Sand	14	34	20	
Slate	34	134	100	
Sand	134	214	80	
Slate	214	304	90	
Coal	304	309	5	
Sand	309	344	35	
Slate	344	469	125	
Sand	469	559	90	
Hard Sand	559	1000	441	
Slate	1000	1040	40	
Salt Sand	1040	1640	600	Little final water at 1100'
Slate	1640	1645	5	
Red rock	1645	1655	10	
Sand Stone	1655	1670	15	
Slate	1670	1680	10	
Little Lime	1680	1725	45	
Pencil Cave	1725	1730	5	
Big Lime	1730	1915	185	
Keener Sand	1915	1965	50	
Slate	1965	2045	80	
Lime Shells	2045	2195	150	
Slate	2195	2395	200	
Brown Shale	2395	2413	18	
Gray Sand	2413	2431	18	

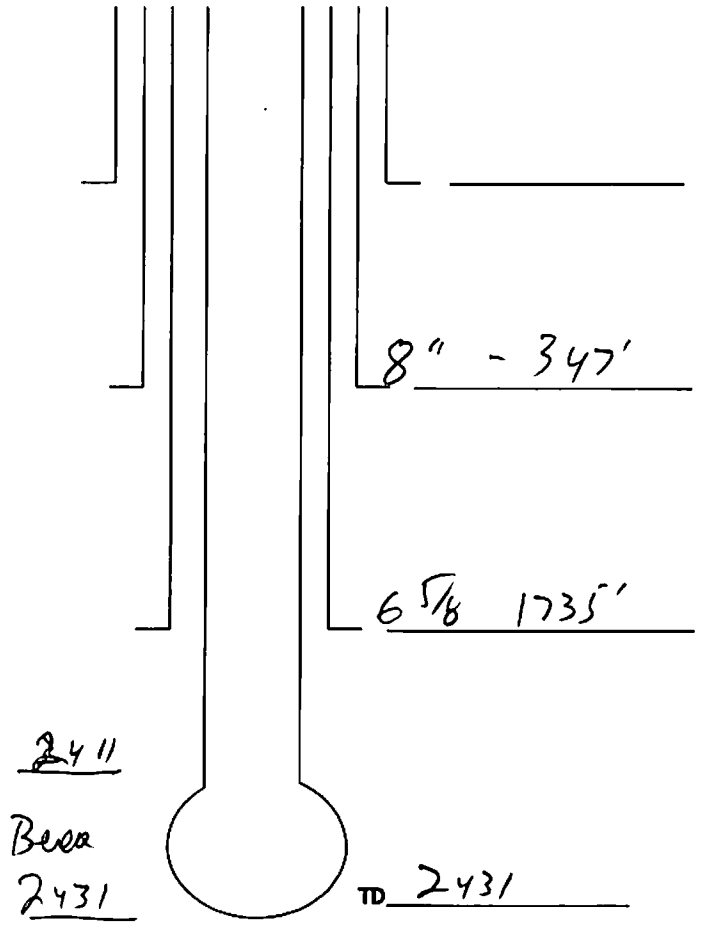
ABANDONED

DEC 11 1928

Pm midkiff 3

Griffithsville Unit #2 Field

47-043- 70165



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

277

AOR - Well Review Checklist

API Number: 47- 043 - 20166 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 4
Farm Name: Fm middleFk
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2387
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,904 Northing: 4,230,913
Elevation: 276
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Need WR38
NA

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

RECORD of Well No. 4 on [illegible] Farm Acres

Field, District County,

Rig Commenced 19 Completed 19

Drilling Commenced Dec 11 1904, Completed Feb 3 1910

Cost per foot. 1/5 Contractor, [illegible] Address,

Drillers' Names.

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅛ inch	6⅝ inch	6¼ inch	5⅜ inch	5 3-16 inch	4¾ inch
10						1850 Hole				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅛ inch	6⅝ inch	6¼ inch	5⅜ inch	5 3-16 inch	4¾ inch
10						Pulled 1850 Hole				

OIL WELL **GAS WELL**

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
1/10	80 qts	2m Hole	7 1/4 13	60 Jt.		3½ Hole	8 1/4 13	1302 X		

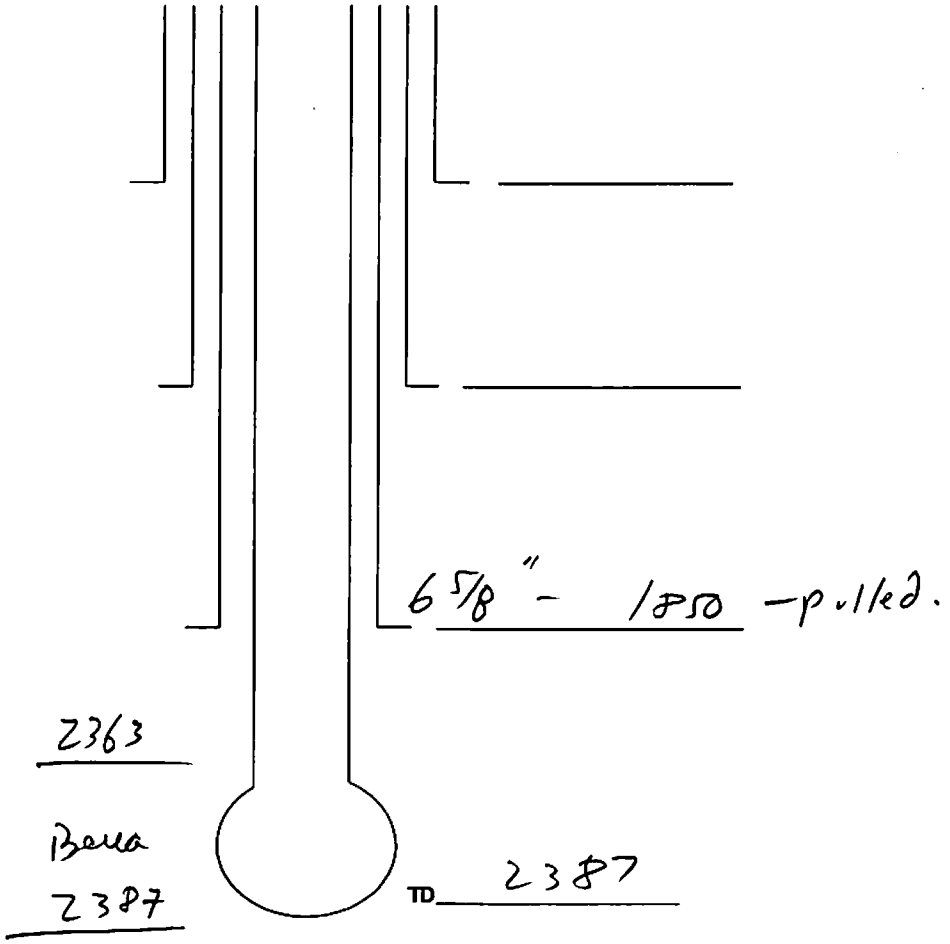
FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil & Clay		10	10	El = 5344.23 - ground
Sand	10	30	20	
Slate	30	170	140	
Sand	170	230	60	
Slate	230	355	125	
Sand	355	445	90	
Slate	445	505	60	
Sand	505	665	160	
Slate	665	790	125	
Sand	790	830	40	
Slate	830	900	70	
Sand	900	960	60	
Slate	960	1000	40	
Sand & Shale	1000	1570	570	
Slate	1570	1580	10	
Red Rock	1580	1590	10	
Sand	1590	1610	20	
Slate	1610	1620	10	
Sand Rock	1620	1665	45	
Red Clay	1665	1670	5	
Broken	1670	1850	180	
Coal	1850	1910	60	
Slate	1910	1980	70	
Sand Rock	1980	2130	150	
Slate	2130	2343	213	
Sand Rock	2343	2363	20	
Rock Sand	2363	2373	10	

RELEASED APR 1, 1926.

From Middle 4

Griffithsville Unit #2 Field

47-043- 70166



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

278

AOR - Well Review Checklist

API Number: 47- 043 - 30849 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 5
Farm Name: Fm Midkiff
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2454
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,747 Northing: 4,230,877
Elevation: 294
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-20849

RECORD of Well No. 5 on [illegible] Farm ..... Acres .....

..... Field, ... District ..... County, 30849 ✓

Rig Commenced ..... 19 . Completed 19

Drilling Commenced Feb 21 1916. Completed [illegible] 1916

Cost per foot, 11 Contractor, [illegible] Address, Jackson Hill

Drillers' Names, G. H. Lewis [illegible] Lucas Gould

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅛ inch	6⅝ inch	6¼ inch	5⅝ inch	5 3-16 inch	4¾ inch
14						1760				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅛ inch	6⅝ inch	6¼ inch	5⅝ inch	5 3-16 inch	4¾ inch
14						1760				

OIL WELL **GAS WELL**

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
4/14/16	160 qts									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil & Clay		14	14	
Slate	14	54	40	
Sand	54	114	60	
Slate	114	204	90	
Sand	204	284	80	
Slate	284	409	125	16" Casing 355'
Sand	409	659	250	
Slate	659	809	150	
Sand	809	899	90	
Slate	899	979	80	
Sand	979	1069	90	
Slate	1069	1095	26	
Salt Sand	1095	1665	570	Salt part of Water at 1125'
Slate	1665	1675	10	
Sand	1675	1695	20	
Slate	1695	1705	10	
Little Lime	1705	1745	40	
Pencil Cave	1745	1750	5	
Big Lime	1750	1935	185	
Keener Sand	1935	2015	80	
Slate	2015	2075	60	
Sand (Berea)	2075	2225	150	
Slate & Shells	2225	2416	191	
Brown Shale	2416	2434	18	
Slate (Sand)	2434	2454	20	

47-043 - 30849

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

South Penn Gas Company
LEASE OR PROPERTY OWNER

Parkersburg, West Virginia
ADDRESS

West Virginia Pipe Project
NAME OF WELL OPERATOR

Box 2452, Tulsa, Oklahoma
COMPLETE ADDRESS

December 5, 1949 ..... 19.....
WELL AND LOCATION

Duval ..... District

Lincoln ..... County

Well No. 5

F. M. Midkiff ..... Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Paul Mize and C. E. Smith being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by West Virginia Pipe Project well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 19th day of October, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD		FILLING MATERIAL		PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Pulled tubing. Set bridge at 2414' (20' above Berea) 2 sacks neat cement and 5' crushed stone, clay to 2304'. Set bridge at 2015' (bottom of Big Injun) 2 sacks neat cement and 5' crushed stone, clay to 1790' (30' below 6-5/8" casing) 2 sacks neat cement and 5' crushed stone, sealing hole completely below 6-5/8" casing. Pulled 5-3/16" casing. Pulled 6-5/8" casing as balance of hole was plugged and filled. Set bridge at 1200' (in Salt Sand) 2 sacks neat cement and 5' crushed stone, clay to 1-75' (20' above SaltSand) cement to 1065'. Set bridge at 250', 2 sacks neat cement and 5' crushed stone, clay to surface and erect monument.					1776' of 6-5/8"	
					1760' of 5-3/16"	

COAL SEAMS

(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT

12" x 12" x 30" Concrete

DEC 1949

and that the work of plugging and filling said well was completed on the 24th day of October, 1949

And further deponents saith not.

Paul Mize
C. E. Smith

Sworn to and subscribed before me this 6th day of December, 1949.

J. R. Osborne
Notary Public.

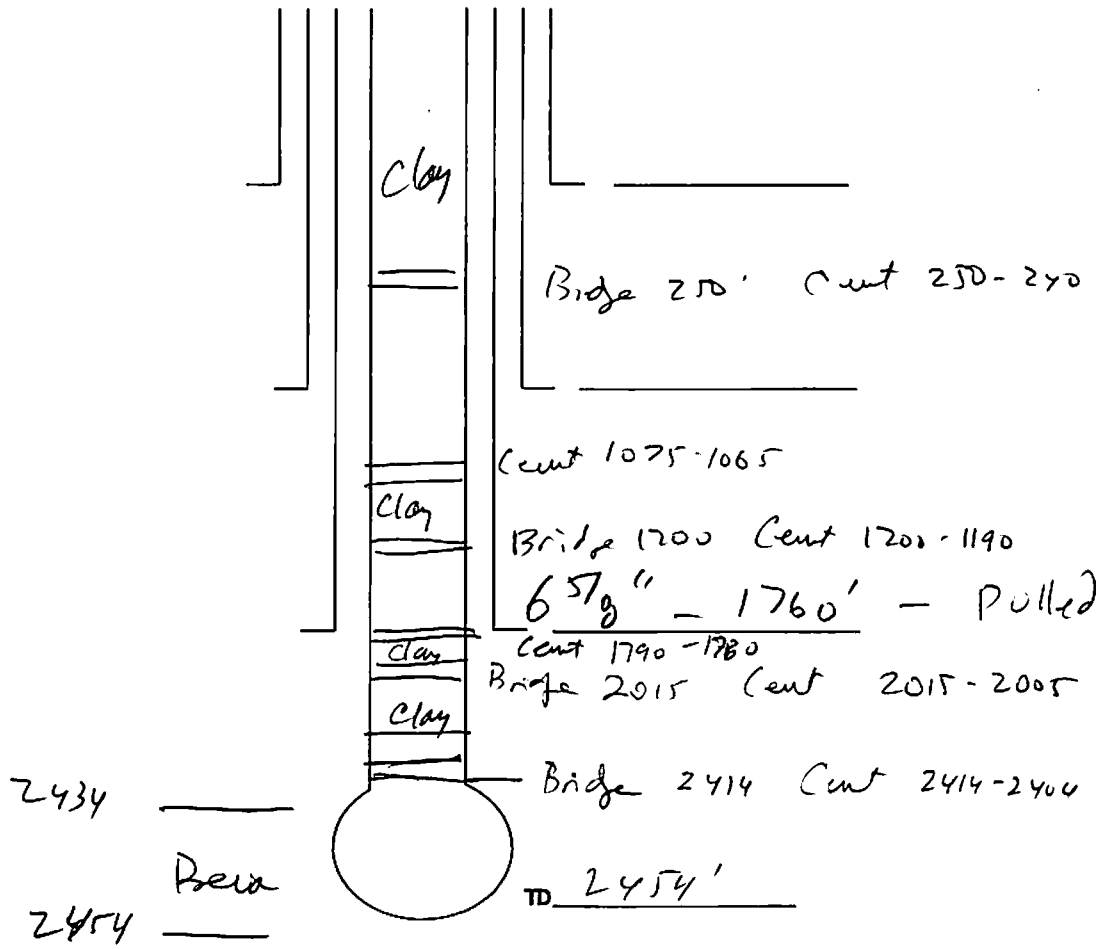
Permit No. LIN-849

My commission expires:
Oct-9-1957

Fm Midkiff 5

Griffithsville Unit #2 Field

47-043- 30849



From Drillers Records/Plugging Records

Pulled 1760' 5 3/16" csg.

WVDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

(879)

API Number: 47- 043 - ~~3044~~ 30344 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 6

Farm Name: Fm millcliff

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ~~☐~~ ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2360

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 418,341 Northing: 4,231,092

Elevation: 766

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

71.043-30344

30344

RECORD of Well No. 6 on [illegible] Farm ..... Acres .....

Field, ... District ..... County, ✓

Commenced ..... 19.... Completed ..... 19....

Drilling Commenced Oct 1 1916. Completed [illegible] 1916

Cost per foot, ... Contractor, [illegible] Address, [illegible]

Drillers' Names, [illegible]

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3/16 Inch	4¾ Inch
16				356		1150				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3/16 Inch	4¾ Inch
11						~~1150~~				
					Pulled	1860				
					Left	290				

OIL WELL **GAS WELL**

Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3rd [illegible]	[illegible]	[illegible]			

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
[illegible]		16	16	[illegible]
[illegible]	16	32	14	
[illegible]	32	72	40	
[illegible]	72	100	28	
[illegible]	100	160	60	[illegible]
[illegible]	160	175	15	
[illegible]	175	215	40	
[illegible]	215	250	35	
[illegible]	250	315	65	
[illegible]	315	320	5	
[illegible]	320	920	600	
[illegible]	920	960	40	
[illegible]	960	1565	605	[illegible]
[illegible]	1565	1575	10	
[illegible]	1575	1605	30	
[illegible]	1605	1645	40	
[illegible]	1645	1650	5	
[illegible]	1650	1840	190	Abandoned
[illegible]	1840	1930	90	11/16/42
[illegible]	1930	2010	80	
[illegible]	2010	2135	125	
[illegible]	2135	2315	180	
[illegible]	2315	2335	20	
[illegible]	2335	2354	19	
[illegible]	2354	2360	6	

47-043 - 30344

Form OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

(NO COMMERCIAL COAL) — COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
A. E. Matthews. — LEASE OR PROPERTY OWNER
Sumerco, W. Va. — ADDRESS

SOUTH PENN NATURAL GAS COMPANY. — NAME OF WELL OPERATOR
Union Trust Building, Parkersburg, W.Va. — COMPLETE ADDRESS

WELL AND LOCATION

February 15, 1943.
Duval — District
Lincoln — County
Well No. 6
F. M. Midkiff — Farm
Calvin Hall

STATE INSPECTOR SUPERVISING PLUGGING

AFFIDAVIT

STATE OF WEST VIRGINIA, }
County of Lincoln } ss:

Jesse Mason and John H. Egnor being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by South Penn Natural Gas Co. well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 12th day of October, 1942, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
Berea Sand	Red Clay	2630	2315			
	Cement	2315	2305			
Bridge Hole		1960				
B.Inj.-B.Lime	B.Clay	1960	1660	6-5/8"- 1360' - 290'		
	Cement	1660	1650			
	Red Clay	1650	1630			
	Cement	1630	1620			
L. Lime	Red Clay	1620	1585			
	Cement	1585	1575			
Salt Sand	Red Clay	1575	940			
	Cement	940	930			
	Clay & Rock	930	to surface.			

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
8-1/4" csg.ext.3' above surface,- filled with concrete. Inscribed on top: S.P.N.G.Co.-F.M.Midkiff #6, Abd. 11-16-42.

and that the work of plugging and filling said well was completed on the 16th day of November, 1942.

And further deponents saith not.

Jesse Mason
John H. Egnor. By Jesse Mason

Sworn to and subscribed before me this 16 day of March, 1943.

Dorsena Fahey
Notary Public.

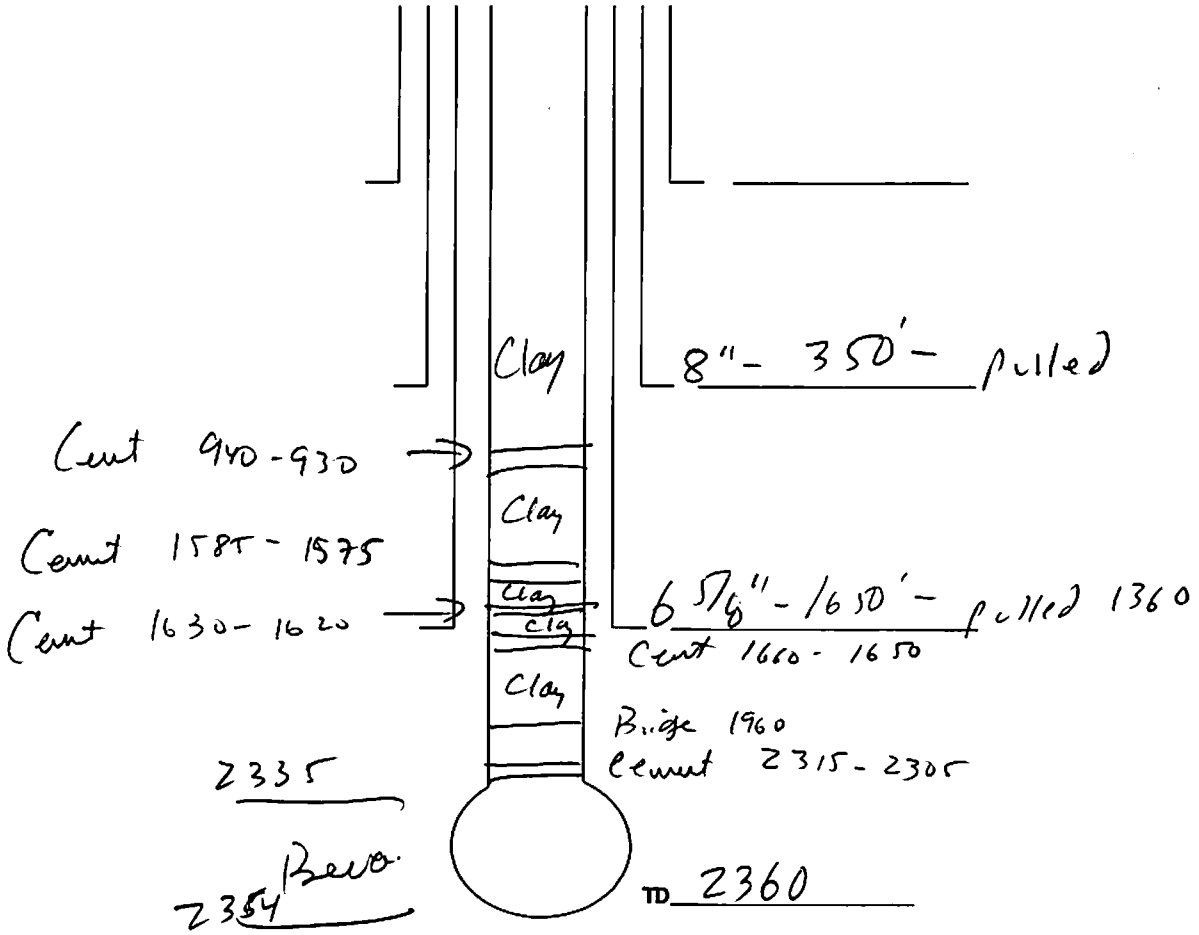
My commission expires:
May - 8 - 1950

Permit No. LIN-344

Fm Midkiff 6

Griffithsville Unit #2 Field

47-043- 3034



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(280)

AOR - Well Review Checklist

API Number: 47- 043 - 3085 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 7
Farm Name: Fm Midcliff
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☑ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2349
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 418 312 S Northing: 4,231,304 S
Elevation: 264
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0
Bottom Hole Injection Pressure 0
Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:
Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30850

CORD of Well No. 7 on T. Whitlatch Farm Acres

Field, District County,

Rig Commenced 19 . Completed 19

Drilling Commenced Sept 21 1910. Completed Nov 10 1910

Cost per foot, 1.15 Contractor, Hawkins & Simmons & Co Address, Hawkins, W. Va.

Drillers' Names, F. P. Babcock & J. H. Mosbrucker

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6⅝ Inch	6¼ Inch	5⅛ Inch	5 3/16 Inch	4¾ Inch
11						1650				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6⅝ Inch	6¼ Inch	5⅛ Inch	5 3/16 Inch	4¾ Inch
11						1650				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
11/10	90 qts.	22 Bbls	1/6/14	150 qts.

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Sand & clay		11	11	El = 864.31
Slate	11	36	25	
Sand	36	51	15	
Slate	51	61	10	
Sand	61	111	50	
Slate	111	141	30	
Sand	141	161	20	
Slate	161	211	50	
Sand	211	271	60	Water at 300
Slate	271	301	30	" " 415
Sand	301	401	100	
Slate	401	476	75	425' of 10" hole
Sand	476	556	80	
Slate	556	666	110	
Sand	666	741	75	
Slate	741	825	84	
Sand	825	850	25	Hole full of water at 985'
Slate	850	900	50	
Salt Sand	900	1585	685	
Slate	1585	1600	15	
Little Lime	1600	1641	41	
Pencil Cave	1641	1643	2	
Big Lime	1643	1823	180	
Big Injun	1823	1903	80	
Slate	1903	1923	20	
Sunday	1923	1948	25	
Slate & Shells	1948	2302	354	
Berea Sand	2302	2327	25	
Slate	2327	2349	22	

47.043 - 30850

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

South Penn Gas Company
LEASE OR PROPERTY OWNER

Parkersburg, West Virginia
ADDRESS

West Virginia Pipe Project
NAME OF WELL OPERATOR

Box 2452, Tulsa, Oklahoma
COMPLETE ADDRESS

December 5, 1949 19....
WELL AND LOCATION

Duval District

Lincoln County

Well No. 7

F. M. Midkiff Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Paul Mize and C. E. Smith being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by West Virginia Pipe Project well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 14th day of October, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Pulled tubing.	Set bridge at 2307' (20' above Berea)				1650'	of 6-5/8"
2 sacks neat cement and 5' crushed stone, clay to 2207',						
cement to 2197'. Set bridge at 1903' (bottom of Big						
Injun) 2 sacks neat cement and 5' crushed stone, clay						
to 1680' (30' below casing) 2 sacks neat cement and 5'						
crushed stone, sealing hole completely below 6-5/8"						
casing. Pulled 6-5/8" casing as balance of hole was						
plugged and filled. Set bridge at 1000' (in Salt Sand)						
2 sacks neat cement and 5' crushed stone, clay to 880'						
20' above Salt Sand) cement to 870'. Set bridge at 250',						
2 sacks neat cement and 5' crushed stone, clay to surface						
and erect monument.						

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	12" x 12" x 30"
(NAME)	
(NAME)	
(NAME)	

RECEIVED DEC 19 49 WEST VIRGINIA DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 19th day of October, 19 49.

And further deponents saith not.

Paul Mize
C. E. Smith

Sworn to and subscribed before me this 6th day of December, 19 49.

J. R. Osborne
Notary Public.

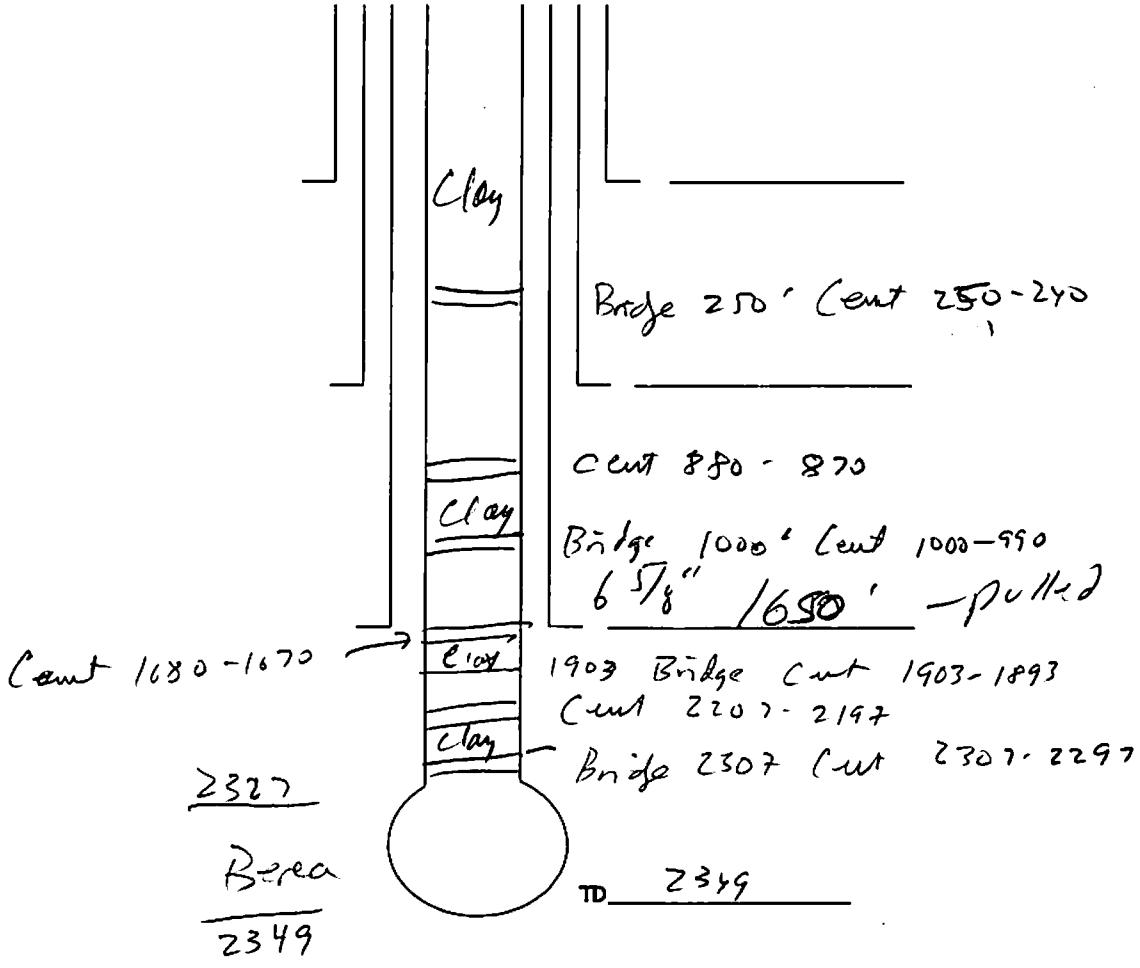
My commission expires:
Oct. 9 - 1957

Permit No. LIN-850

Fm mid Kitt 7

Griffithsville Unit #2 Field

47-043- 30850



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

781

AOR - Well Review Checklist

API Number: 47- 043 - 30851 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 8
Farm Name: F M Midkiff
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2467
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 1418, 114 Northing: 4,231,264
Elevation: 898
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

41-045 - 00851

Record of Well No. 8 on T. H. Hatcliff Farm Acres 30851

Field, District County,

Commenced 19, Completed 19

Drilling Commenced June 8 1911, Completed July 31 1911

Cost per foot, 11⅝ Contractor, Hawkey & Truman Dell Address, Hawkey, W. Va.

Drillers' Names, P. J. Tinsley & J. D. Bentley

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅝ inch	6⅝ inch	6¼ inch	6⅛ inch	6 5-16 inch	4¼ inch
16				430		1780				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅝ inch	6⅝ inch	6¼ inch	6⅛ inch	6 5-16 inch	4¼ inch
16						1780				

OIL WELL **GAS WELL**

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
8/21	9 1/2	2 mu. Shot	2 1/4	120 ft.					

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil & Clay		16	16	
Slate	16	36	20	Coal 30' in big lime
Red Rock	36	76	40	
Slate & Shells	76	205	129	
Coal	205	208	3	
Slate	208	308	100	
Sand	308	370	62	
Coal	370	374	4	
Slate	374	424	50	
Coal	424	429	5	
Slate	429	489	60	
Sand & Shells	489	1045	556	4 Inches of water at 1135'
Slate	1045	1085	40	
Salt Sand	1085	1690	605	Hole full of water at 1155'
Slate	1690	1700	10	
Little Lime	1700	1747	47	
Pencil Cave	1747	1750	3	
Big Lime	1750	1940	190	
Big Injun	1940	2010	70	
Slate	2010	2080	70	
Sand Shells	2080	2180	100	
Sand & Shells	2180	2426	246	
Brown Shale	2426	2446	20	
Berea Sand	2446	2467	21	

47-043 - 30851

FORM OG-9

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
LEASE OR PROPERTY OWNER
ADDRESS

NAME OF WELL OPERATOR: West Virginia Pipe Project
COMPLETE ADDRESS: Box 2452, Tulsa, Oklahoma
WELL AND LOCATION: October 5, 1949 ..... 19..
District: Duval
County: Lincoln
Well No. 8
Farm: F. M. Midkiff

STATE INSPECTOR SUPERVISING PLUGGING: Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Donald E. Millison and E. J. Muzny being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by West Virginia Pipe Project, well operator, and participate in the work of plugging and filling the above well, that said work was commenced on the 26th day of September, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CSG LEFT IN
	Pulled tubing. Set bridge at 2426' (20' above Berea)			2 sacks neat	1844' of	5-3/16"
	cement and 5' crushed stone, clay to 2326', cement to 2316'. Set				1098' of	6-5/8"
	bridge at 2010', bottom of Big Injun, 2 sacks neat cement and 5'					
	crushed stone, ~~Maxton~~ pulled 5-3/16" casing. Filled with					
	clay to 1810' (30' below 6-5/8" casing, 2 sacks neat cement and 5'					
	crushed stone, sealing hole completely below 6-5/8" casing. Pulled					
	6-5/8" casing as balance of hole was plugged and filled. Set					
	bridge at 1200', a point in the Salt Sand, 2 sacks neat cement and					
	5' crushed stone on bridge, clay to 1065' (20' above Salt Sand)					
	Neat cement to 1055'. Set bridge at 250', 2 sacks neat cement and					
	5' crushed stone, clay to surface and erected monument.					

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT: 12" x 12" x 30"

RECEIVED OCT 1949 OIL & GAS DIVISION DEPT. OF MINES

and that the work of plugging and filling said well was completed on the 4th day of October, 1949.

And further deponents saith not.

Donald E. Millison
E. J. Muzny

Sworn to and subscribed before me this 5th day of October, 1949.

J. R. Osborne
Notary Public.

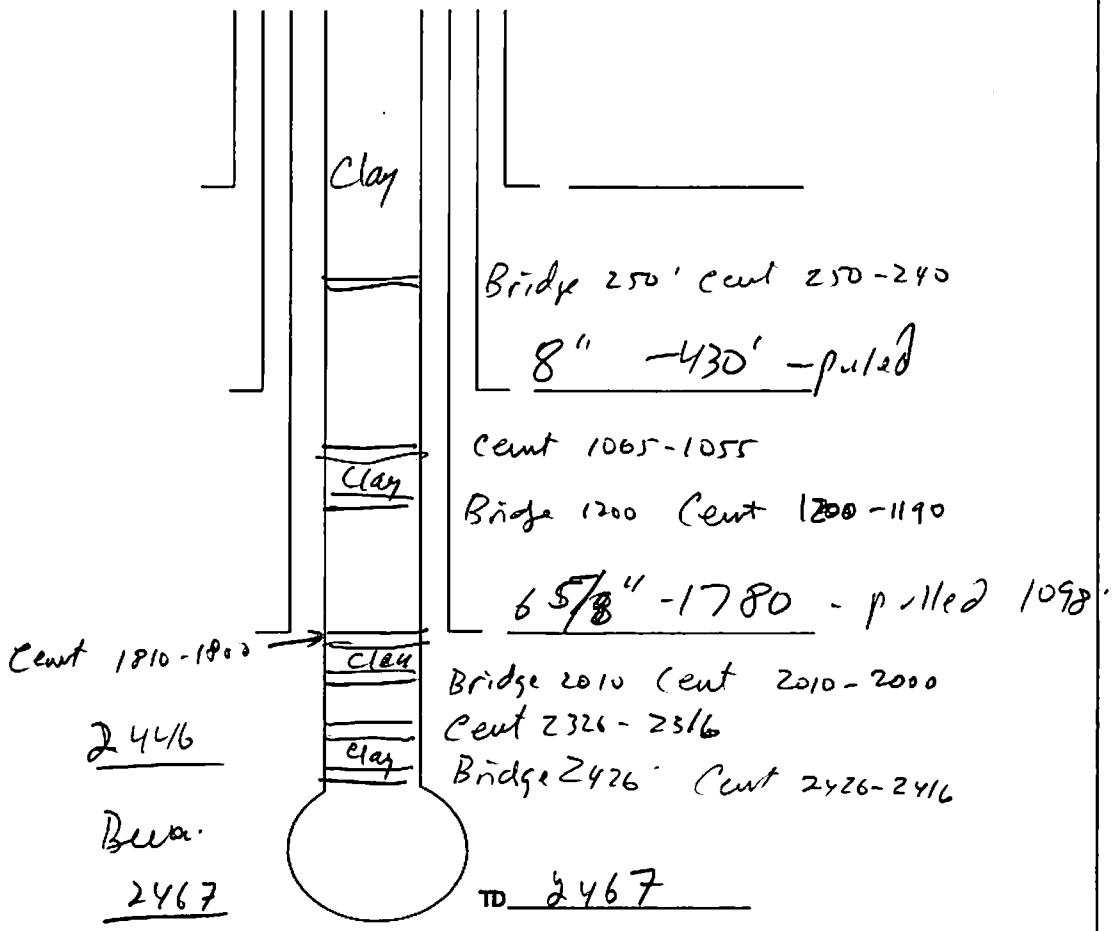
Permit No. LIN-851

My commission expires:
Oct 9-1957

Fm milkitt D

Griffithsville Unit #2 Field

47-043- 30851



5 3/16" Csg

From Drillers Records/Plugging Records

Pulled 1844' of

WVDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

API Number: 47- 043 - 30615 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 9
Farm Name: F m mitch
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2648
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,859 Northing: 4,231,218
Elevation: 348
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

41-043-30615

30615

RECORD of Well No. 9 on T. M. Hinerliter Farm Acres

Field, District County

Rig Commenced 19 , Completed 19

Drilling Commenced Oct 19 1911, Completed Dec 9 1911

Cost per foot, 1½ Contractor, Hawley & Freeman Oil Co Address, Hawley W.Va.

Drillers' Names P. J. Kelly & G. D. Bartley

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4½ Inch
14						1950				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4½ Inch
14						1950				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
12/11/11	80 qts	2nd Shot 3/12/14		1500 lbs

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil & Clay		14	14	Cased 10' in Big Lime
Sand & Shale	14	139	125	
Sand	139	179	40	
Slate	179	310	131	
Sand	310	335	25	
Slate	335	400	65	
Shale	400	530	130	Water enough to drill with
Coal	530	534	4	at 530'
Slate	534	570	16	533' of 10" hole
Sand & Slate	570	1240	670	
Slate	1240	1280	40	
Sand & Lime	1280	1850	570	Hole full of Water at 1320'
Slate	1850	1855	5	
Red Rock	1855	1865	10	
Lime	1865	1885	20	
Slate	1885	1897	12	
Little Lime	1897	1937	40	
Pencil Cave	1937	1940	3	
Big Lime	1940	2125	185	
Big Injun	2125	2195	70	
Slate	2195	2255	60	
Lime Shells	2255	2355	100	
Slate	2355	2440	85	
Sand & Shale	2440	2607	167	
Brown Shale	2607	2627	20	
Berea Sand	2627	2648	21	

47.043 - 30615

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
LEASE OR PROPERTY OWNER
ADDRESS

United Fuel Gas Company — NAME OF WELL OPERATOR
Charleston, W. Va. — COMPLETE ADDRESS
July 12 — WELL AND LOCATION — 1949
Duval — District
Lincoln — County
Well No. 9
F. M. Midkiff — Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Kenzie Browning and E. J. Elkins, Jr. being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. H. Adkins well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 21 day of June, 19__, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
BEREA	Set Bridge 20' above Berea at 2607'. Filled hole 100' with non-porous material. Set 10' Cement Plug on same, sealing off Berea Sand.					
LIME - INJUN	Set Bridge 30' below Big Injun Sand 2225'. Filled hole through Big Injun and Big Lime with non-porous material to 30' below pipe. Set 10' Cement Plug on same at 1980' to 1970', sealingoff Big Injun and Big Lime. Filled hole as pipe was removed.					
SALT SAND	Filled hole from 1970' with non-porous material to 20' above top of Salt Sand. Set 10' Cement Plug on same at 1260' to 1250', sealing off Sand.					
	Opened hole to 200'; set Bridge and 10' Cement Plug on same at 200' to 190'.					
	Filled hole with non-porous material to surface. Set Cement Marker 12" x 12" x 30", marking date of abandonment.					

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
U. F. GAS CO.
F. M. MIDKIFF # 9
DATE OF ABANDONMENT

RECEIVED JUL 12 1949 OIL & GAS DIVISION DEPT. OF MINES

and that the work of plugging and filling said well was completed on the 25 day of June, 19__

And further deponents saith not.

E. J. Elkins Jr.
Kenzie Browning

Sworn to and subscribed before me this 12 day of July, 1949.

L. D. Stump
Notary Public.

My commission expires:
April 1, 1951

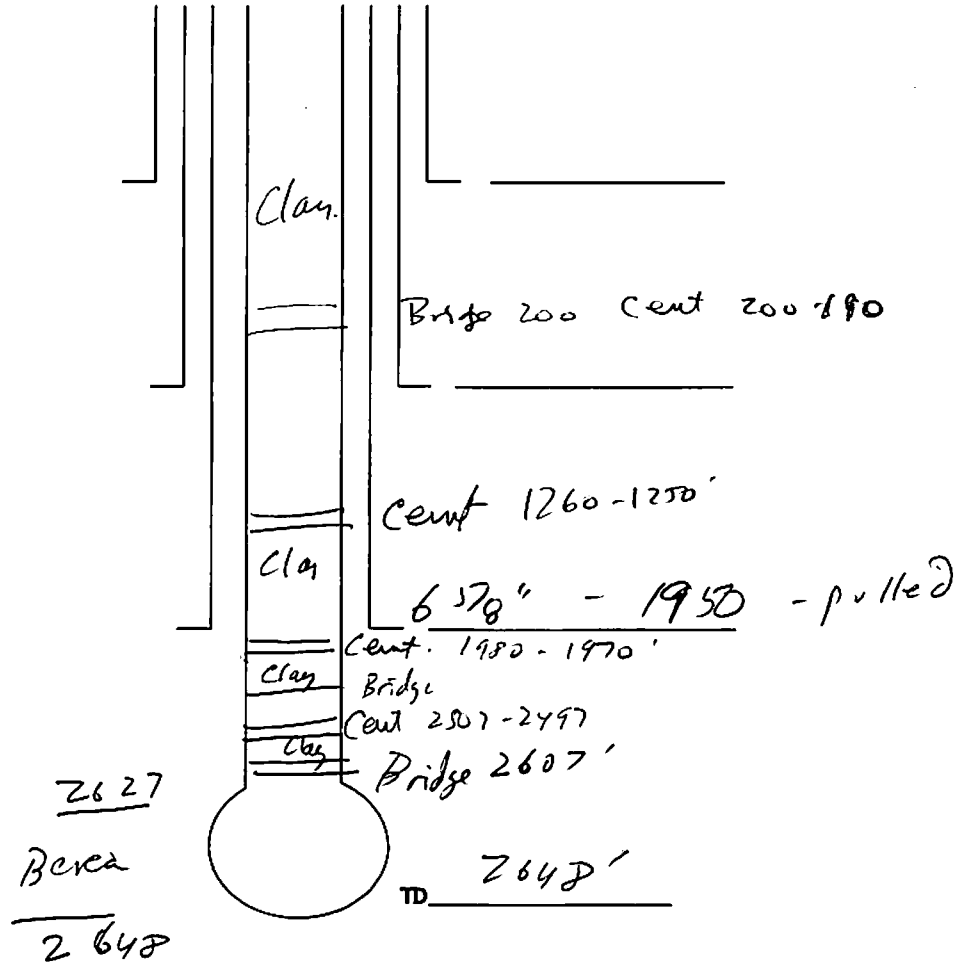
Permit No. LIN-615

(70)

Fm midkiff 9

Griffithsville Unit #2 Field

47-043- 30615



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

283

AOR - Well Review Checklist

API Number: 47- 043 - 30186 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 10

Farm Name: [illegible]

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☑ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2657

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,697 Northing: 4,231,183

Elevation: 354

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30186

AD of Well No. 10 on G. M. Medkiff Farm Acres

Field, District County

Ag Commenced 19 , Completed 19

Drilling Commenced Dec 21 1911, Completed Feb 16 1912

Cost per foot, 1.15 Contractor Hawkey & Ingram Oil Co. Address Hawkey W. Va.

Drillers' Names C. J. Kelley & G. H. Lovell

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4½ Inch
		16'				1970'		2032' pulled		

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4½ Inch

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	Size of Packer	Depth Set
2/19/12	80 qts					

GAS WELL

Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface Clay		16		Reamed hole 570'
Sand	16	25	9	
Slate	25	75	50	
Sand	75	85	10	Hole full of water in
Lime	85	125	40	Salt Sand 1330
Slate	125	140	15	
Sand	140	440	300	
Slate	440	465	25	
Sand	465	500	35	
Coal ?	500	520	20	
Slate	520	525	5	Water enough to drill with
Sand	525	580	15	in Coal at 520'
Slate	580	680	100	
Coal	680	710	30	
Sand	710	715	5	
Slate	715	790	75	El= 1167.26
Sand	790	865	75	
Slate	865	940	75	Abandoned
Sand	940	1000	60	Feb 10-1939
Slate	1000	1050	50	
Sand	1050	1100	50	
Coal ?	1100	1120	20	
Slate & Sand	1120	1174	4	
Salt Sand	1174	1260		
Salt Sand	1260	1900	640	
Little Lime	1912	1952	40	
Pencil Cave	1952	1955	3	
Big Lime	1955	2140	185	
Injun	2140	2210	70	
Slate	2210	2290	80	
Shells	2290	2375	85	
Slate & Shells	2375	2637		

47-043 - 30186

Form 04-3

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

Permit No. LIN-186

Frank Midkiff,	SOUTH PENN OIL COMPANY,
COAL OPERATOR OR OWNER	NAME OF WELL OPERATOR
Barboursville, W. Va.	411 Seventh Avenue, Pittsburgh, Pa.
ADDRESS	COMPLETE ADDRESS
	March 8, 1939.
COAL OPERATOR OR OWNER	WELL AND LOCATION
	Duval District
ADDRESS	Lincoln County
W. T. Bell Heirs,	
LEASE OR PROPERTY OWNER	Well No. 10
c/o Mrs. Effa Bell, Yawkey, W.Va.	F. M. Midkiff Farm
ADDRESS	

AFFIDAVIT TO BE MADE IN TRIPLICATE, ONE COPY TO BE MAILED BY REGISTERED MAIL TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) TO BE MAILED TO EACH COAL OPERATOR ABOVE NAMED AT THEIR RESPECTIVE ADDRESSES.

AFFIDAVIT

STATE OF WEST VIRGINIA, }
COUNTY OF Lincoln } ss:

G. H. Crummett being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by South Penn Oil Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 7th day of January, 19 39, and that the well was plugged and filled in the following manner:

Manner in which sand was plugged:

Total Depth 2657'. Filled with clay to 2617',- 20' above Berea Sand. Set cement plug 2617' to 2607',- sealing Berea Sand. Bridged hole 2170'. Filled with clay to 2120',- 20' above Big Injun Sand. Set cement plug 2120' to 2110',- sealing Big Injun Sand. Pulled 5-3/16" casing,- 2032'. Filled with clay to 1985', Pulled 6-5/8" casing, 1970'. Filled with clay to 1935',- 20' above Big Lime. Set cement plug 1935' to 1925'. Filled with clay to 1892',- 29' above Little Lime. Set cement plug 1892' to 1862',- sealing Little Lime. Bridged hole at 1400',- 70' below water in Salt Sand. ~~Manner in which coal was plugged:~~ Filled with clay to 1240',- 20' above Salt Sand. Set cement plug 1240' to 1230',- sealing Salt Sand. Bridged hole at 750',- below coal bearing area. Set cement plug 750' to 700',- sealing coal bearing area. Filled with clay to surface.

Description of monument: Marker erected in accordance with Rule 18, - 1931 Regulations.

(THE ABOVE DESCRIPTION MUST BE IN DETAIL AND IN ACCORDANCE WITH THE PROVISIONS OF SECTION 10, ARTICLE 4, CHAPTER 22 OF THE CODE)

and that the work of plugging and filling said well was completed on the 20th day of February, 19 39.

And further deponents saith not.

G H Crummett

Sworn to and subscribed before me this 9th day of March, 19 39.

Notary Public.

MAR 1939
WEST VIRGINIA
DEPARTMENT OF MINES

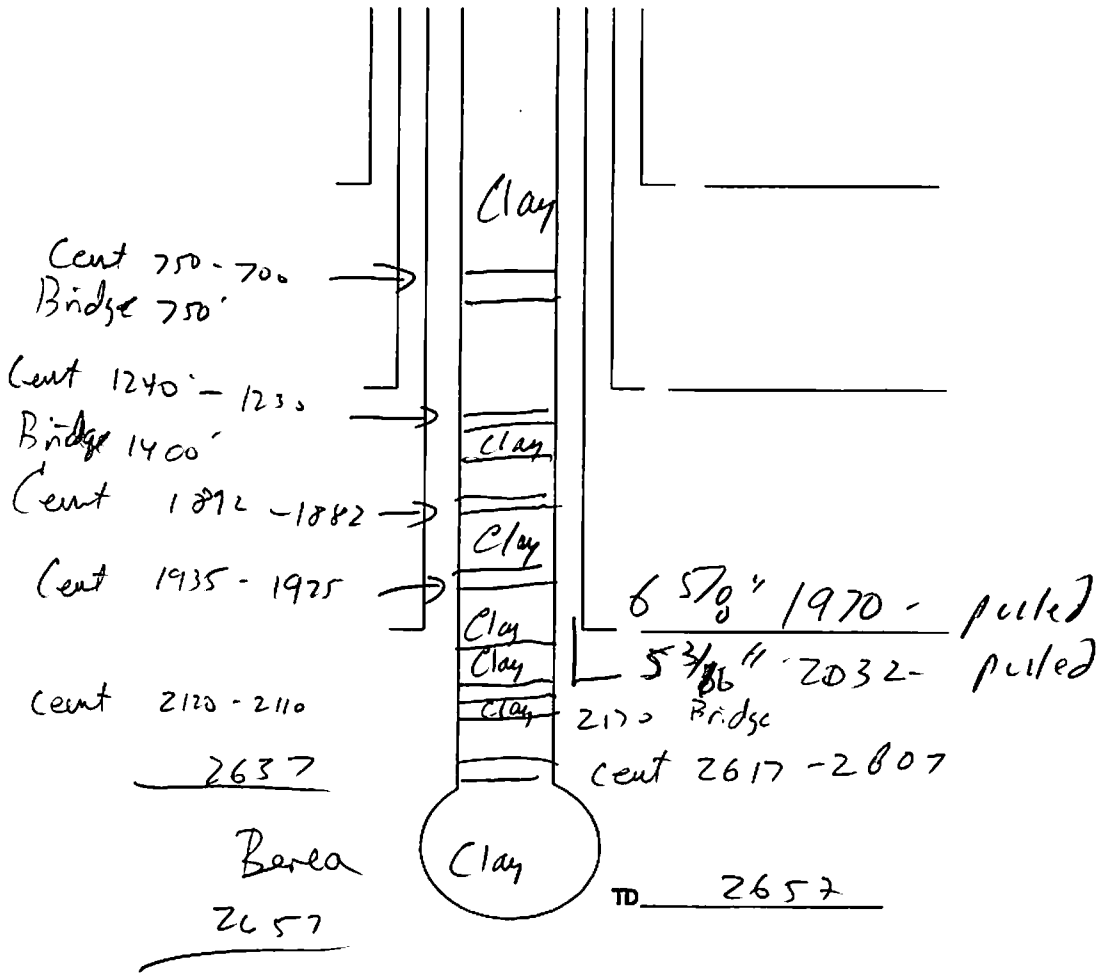
My Commission expires:
Dec. 7- 1947

Lin-186

From Midkiff 10

Griffithsville Unit #2 Field

47-043- 30816



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

284

AOR - Well Review Checklist

API Number: 47- 043 - Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 11

Farm Name: F m midkiff

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2379

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 418,076 Northing: 4,231,119

Elevation: 299

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Need WR 38 NA

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

RECORD of Well No. 11 on F. W. Wiedrich Farm ..... Acres .....

..... Field, ... District ..... County .....

Rig Commenced ..... 19 ....., Completed 19

Drilling Commenced Oct 19 1913 Completed Oct 31 1913

Cost per foot, 1.15 Contractor, Beaver Drilling Co. Address, Yantley, Ohio

Drillers' Names James Beaver & E. B. Hamond

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4⅜ Inch
16						1695				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4⅜ Inch
16						1695'				

OIL WELL / GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
11/3/13	80 qts									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		16	16	380' 10" hole
Slate	16	100	84	
Slate & Sand	100	1015	915	Water to rise with 278'
Salt Sand	1015	1600	585	
Maxon Sand	1600	1645	45	
Little Lime	1645	1685	40	First salt water 1045'
Pencil Cave	1685	1690	5	
Big Lime	1690	1875	185	
Big Injun	1875	1950	75	E'=3 [illegible]
Sand & Shells	1950	2338	388	
Brown Shale	2338	2356	18	
Berea Sand	2356	2379½	23½	

ABANDONED

JUL 12 1928

6⅝"

Csg. Used - 1695

" Pulled 1695

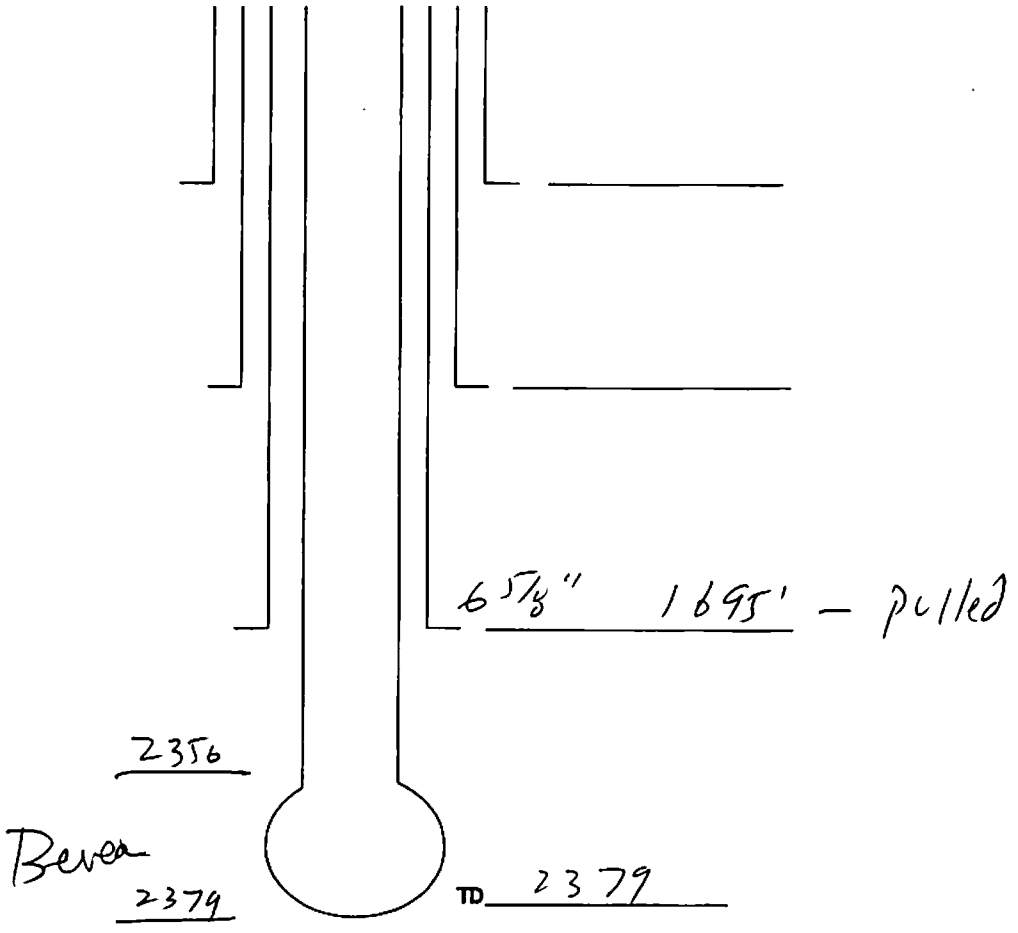
ABANDONED

JUL 1 : 1928

Fm Midkiff #11

Griffithsville Unit #2 Field

47-043-_____



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

API Number: 47- 02286 Area Permit Number: 2R AP
Operator Name: H6 Energy LLC
Operator's Well #: 12
Farm Name: Tm Mid Kiff
Field Name: Gatesville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☒ Abandoned ☐ Plugged ☐
TD of well: 4202
Completion Zones: Devonian Shale Perforated Interval: 2916 - 3914

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,912 Northing: 4,231,052
Elevation: 301
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☒	Yes ☐	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☐	Yes ☒	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Drilled deeper to shale 3½" Casing Cemented over Berea

Reviewer Name: _____ Signature: _____
Date Reviewed: _____

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

RECORD of Well No. 12 on Williamson Farm 11 Acres

Field, District County

Rig Commenced 19, Completed 19

Drilling Commenced Nov 14, 1913 Completed Dec 26 1913

$ per foot, 1.15 Contractor, Boone Drilling Co. Address, Hawker, W. Va.

Drillers' Names J. M. Susan & Johnson Bennett

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4⅛ Inch
14						1808				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4⅛ Inch
14						1808				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
1/7/14	80 qts.			

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		14	14	Showing of Coal 352
Red Rock	14	74	60	
Slate	74	104	30	
Sand	104	134	30	440' Pressure Hole
Slate	134	334	200	
Sand	334	352	18	El = 987.12
White slate	352	440	88	
Slate	440	470	30	
Sand	470	510	40	
Coal	510	513	3	
Slate	513	593	80	
Sand	593	673	80	
Slate & Lime	673	1063	390	
Salt sand	1063	1760	697	Big Water 1143
Black Lime	1760	1795	35	
Pencil Cave	1795	1798	3	
Big Lime	1798	1978	180	
" Injun	1978	2043	65	
White Slate	2043	2103	60	2' fracket.
Shells	2103	2203	100	
Black Slate	2203	2434	231	
Lime Shale	2434	2453	19	Shot 7/8/40 - 90 qt. - Bever.
Berea sand	2453	2474	21	

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WR-35

23-May-03

API # 47 043 02286

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: East Resources Inc Operator Well No.: F M Midkiff 12

LOCATION: Elevation: 984' Quadrangle: Griffitsville 7.5'

District: Duval County: Lincoln

Latitude: 9,575 Feet south of 38 Deg 15 Min 0 Sec.

Longitude: 6,125 Feet west of 81 Deg 55 Min 00 Sec.

Company: EAST RESOURCES, INC.
P.O. BOX 5519
VIENNA, WV 26105-5519

Agent: MICHAEL MCCOWN

Inspector: Ralph Triplett

Permit Issued: 05/23/03

Well work Commenced: 07/09/03

Well work Completed: 08/28/03

Verbal plugging permission granted on: _____

Rotary X Cable _____ Rig

Total Depth (feet) 4202'

Fresh water depths (ft) NA

Salt water depths (ft) NA

Is coal being mined in area (Y/N) N

Coal Depths (ft): NA

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
6 5/8"	1808'	1808'	Existing
5 3/8"	1857'	1857'	Existing
3 1/2"	4191'	4191'	50 sks

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 2916'-3916'

Gas: Initial open flow 0 MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow 15 MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock pressure 290 psig (surface pressure) after 64 Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM, PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: EAST RESOURCES, INC.

By: [signature]

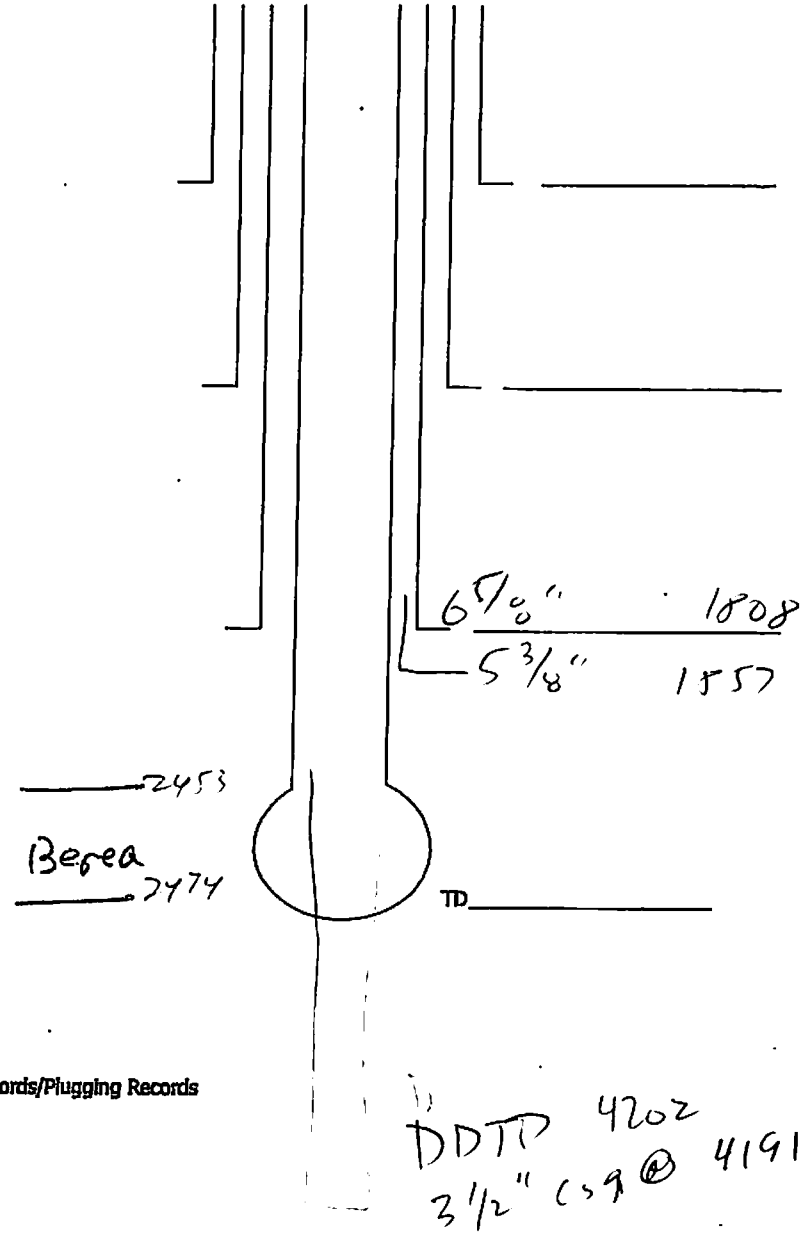
Date: 8/28/03

285

From Mid Kiff 12

Griffithsville Unit #2 Field

47-043- 02286



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30852 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 13
Farm Name: F M Midkiff
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2549
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,715 Northing: 4,231,018
Elevation: 324
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

41-043-30022

30852

RECORD of Well No. 13 on T. W. Wadkins Farm Acres

Field, District County

Rig Commenced 19, Completed 19

Drilling Commenced April 10 1914, Completed May 25 1914

Cost per foot, 11¢ Contractor, Bonne Drilling Co Address, Yantley W. Va.

Drillers' Names J. H. Hanes & G. E. Dudleston

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4⅛ Inch
16						1845'				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4⅛ Inch
16						1845'				

OIL WELL — GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
5/28/14	80qt									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soft		15'	15'	Reduced hole from 10" to 8"
Slate	15'	75'	60	at 320'
Sand	75'	175'	100	
Slate	175'	295'	120	Hole full salt water
Sand	295'	620	325'	1195'
Slate	620	640	20	
Sand	640	730	90	EI = 106.34
Slate	730	890	160	
Sand	890	1010	120	
Slate	1010	1100	90	
Sand	1100	1115'	15	
Slate	1115'	1150	35'	
Salt sand	1150	1730	580	
Slate	1730	1735'	5	
Maxton sand	1735'	1775'	40	
Slate	1775'	1795'	20	
Black Lime	1795'	1835'	40	
Pencil Cave	1835'	1840	5'	
Big Lime	1840	2025'	185'	
Big Injun	2025'	2110	85'	
Slate	2110	2190	80	
Slate & Shells	2190	2350	160	
Slate	2350	2513	163	
Brown Shale	2513	2527	14	
Berea Sand	2527	2549	22	

47,043 - 30852

FORM 22-0

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

South Penn Gas Company
LEASE OR PROPERTY OWNER

Parkersburg, West Virginia
ADDRESS

West Virginia Pipe Project
NAME OF WELL OPERATOR

Box 2452, Tulsa, Oklahoma
COMPLETE ADDRESS

December 5, 1949 19....
WELL AND LOCATION

Duval District

Lincoln County

Well No. 13

P. M. Midkiff Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Odis Parsons and S. S. Stephens, Jr.
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by West Virginia Pipe Project well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 18th day of October, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Pulled tubing. Berea) 2 sacks neat cement and 5' crushed stone, clay to 2407', cement to 2397'. Set bridge at 2110' (bottom Big Injun) 2 sacks neat cement and 5' crushed stone, Pulled 5-3/16" casing. Filled with clay to 1875' (30' below 6-5/8" casing. 2 sacks neat cement and 5' crushed stone, sealing hole completely below casing. Pulled 6-5/8" casing as balance of hole was plugged and filled. Set permanent bridge at 250', 2 sacks neat cement and 5' crushed stone, clay to surface and erect monument.	Set permanent bridge at 2507' (20' above				1870' of 5-3/16"	
					150' of 6-5/8"	

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
12" x 12" x 30"

and that the work of plugging and filling said well was completed on the 26th day of October, 19 49.

And further deponents saith not.

Odis Parsons
S. S. Stephens, Jr.

Sworn to and subscribed before me this 6th day of December, 19 49.

J R Osborne
Notary Public.

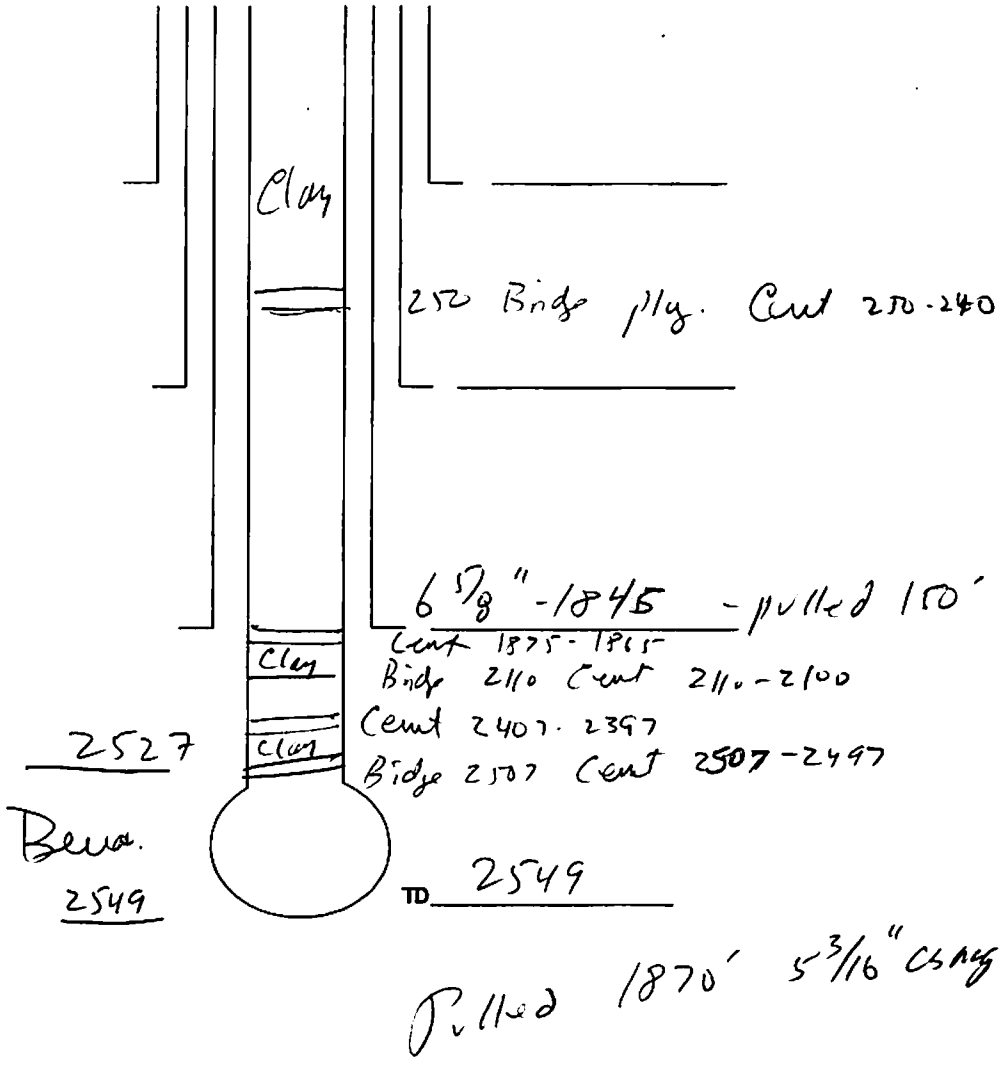
My commission expires:
Oct-9-1957

Permit No. LIN-852

F M Midkiff 13

Griffithsville Unit #2 Field

47-043- 30852



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30453 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 1
Farm Name: Emily Morrison
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2386
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,131 Northing: 4,233,339
Elevation: 267
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

30453

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

A. L. Morrison, et.al.
LEASE OR PROPERTY OWNER

Milton, W. Va.
ADDRESS

UNITED FUEL GAS CO.
NAME OF WELL OPERATOR
% G. H. Moore
P.O. Box 1273, Charleston 25, W. Va.
COMPLETE ADDRESS

Aug. 8, 1948
WELL AND LOCATION

Duval District

Lincoln County

Well No. 1

Emily J. Morrison Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

H. J. Woodall and J. A. Woodall being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. H. Adkins, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 21 day of July, 1948, and that the well was plugged and filled in the following manner:

WAND OR ZONE RECORD		FILLING MATERIAL		PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
					2408'10"	
Pulled 2" tubing						
Packer seat set in casing prevent bailer or cement from going down hole.					298' 8"	1388'4"
Pulled 298' 8" of 7" casing						
Bridged hole at top of 7" casing.						
Cement, 298'		298	288			
Cont'd to fill with red clay to surface.						

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
U.F.G. Co.
E. J. Morrison, Well No. 1
Abn. 8/6/1948

and that the work of plugging and filling said well was completed on the 6 day of August, 1948.

And further deponents saith not.

H. J. Woodall
J. A. Woodall

Sworn to and subscribed before me this 6 day of Aug., 1948.

Notary Public.

My commission expires:
Feb 21 1949

Permit No. L-4453

47-043- 30453

Well No. 1 Emily Morrison Farm 115 Acres
Base No. 50224 Duval Township District Lincoln County W. Va. State
– Contractor – Contractor
Drilling Commenced Aug 31 1908 Drilling Completed Oct. 14 1908
L. S. 21 E. W. 76-7 Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Gas Sand	2364	2386		

Purchased 12-11-41 from Virginian Gasoline and Oil Company

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8"	1706				1706	
2					2392	

Shot Date Oct. 14 1908
Amount 90 Quarts
Sand
Result

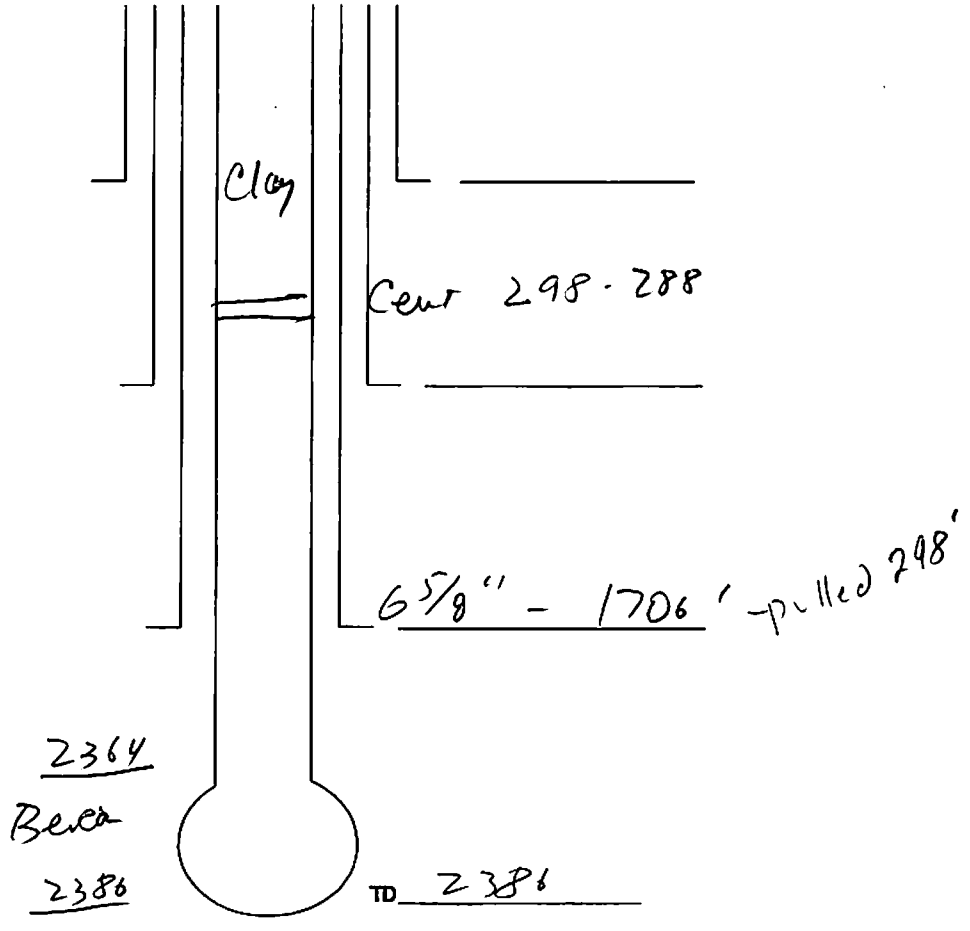
Packer Size

Depth Set

E Morrison 1

Griffithsville Unit #2 Field

47-043- 30453



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(288)

AOR - Well Review Checklist

API Number: 47- 043 - 30454 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 2
Farm Name: E Morrison
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2447
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,811 Northing: 4,232,910
Elevation: 282
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30454

Well No. 2 Emily Morrison Farm 115 Acres
Lease No. 80224 Duval Township District Lincoln County W. Va. State
United Fuel Drilling Company Contractor United Fuel Drilling Company Contractor
Drilling Commenced Nov. 25 1908 Drilling Completed Feb. 16 1909
V. S. E. W. Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
and	470	530		
ste and Sand	530	950		
and	950	990		
late	990	1070		
alt Sand	1070	1720		Gas & Water 1070-1110
ittle Lime	1720	1745		
ncil Cave	1745	1750		
ig Lime	1750	1935		
ig Shun	1935	2025		
late and Shells	2025	2145		
late	2145	2400		
ale	2400	2423		
etea Grit	2423	2445		
late	2445	2447		
otal Depth		2447		

Purchased 12-11-41 from Virginian Gasoline and Oil Company

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
8 1/4"	440					
5"	1750				1750	
					2457	

Shot Date Feb 18, 1909
Amount 60 Quarts
Sand
Result
Packer Size
Depth Set

Production First 24 Hours Bbls. Gas Mcf

47.043 - 30454

FORM OG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER	United Fuel Gas Company NAME OF WELL OPERATOR
ADDRESS	% G. H. Moore P.O. Box 1273, Charleston 25, W. Va. COMPLETE ADDRESS
COAL OPERATOR OR OWNER	August 23 1948 WELL AND LOCATION
ADDRESS	Duval District
A. L. Morrison et al LEASE OR PROPERTY OWNER	Lincoln County
Milton, W. Va. ADDRESS	Well No. 2
	Emily J. Morrison Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Hobart Yeager and Oley Yeager being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. H. Adkins, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 20th day of August, 19 48, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Set Bridge	2403				
	Clay	2403	2303			
	Cement Plug	2303	2293			
	Bridge	2055				
	Clay	2055	1730	30' Below Pipe	923'5"	776'7"-7" OD
	Cement Plug	1730	1720			
	Parted Pipe at 923'5" Set Wood Plug in pipe 10'. Cement Clay. Fill to surface.					

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	U.F.G.Co.
(NAME)	Emily J. Morrison
(NAME)	Abandonment 9-1-48
(NAME)	

RECEIVED SEP 1948 DEPT. OF MINES OIL & GAS DIVISION

and that the work of plugging and filling said well was completed on the 1st day of September, 19 48.

And further deponents saith not.

Hobart Yeager
Oley Yeager

Sworn to and subscribed before me this 2nd day of September, 19 48

Notary Public.

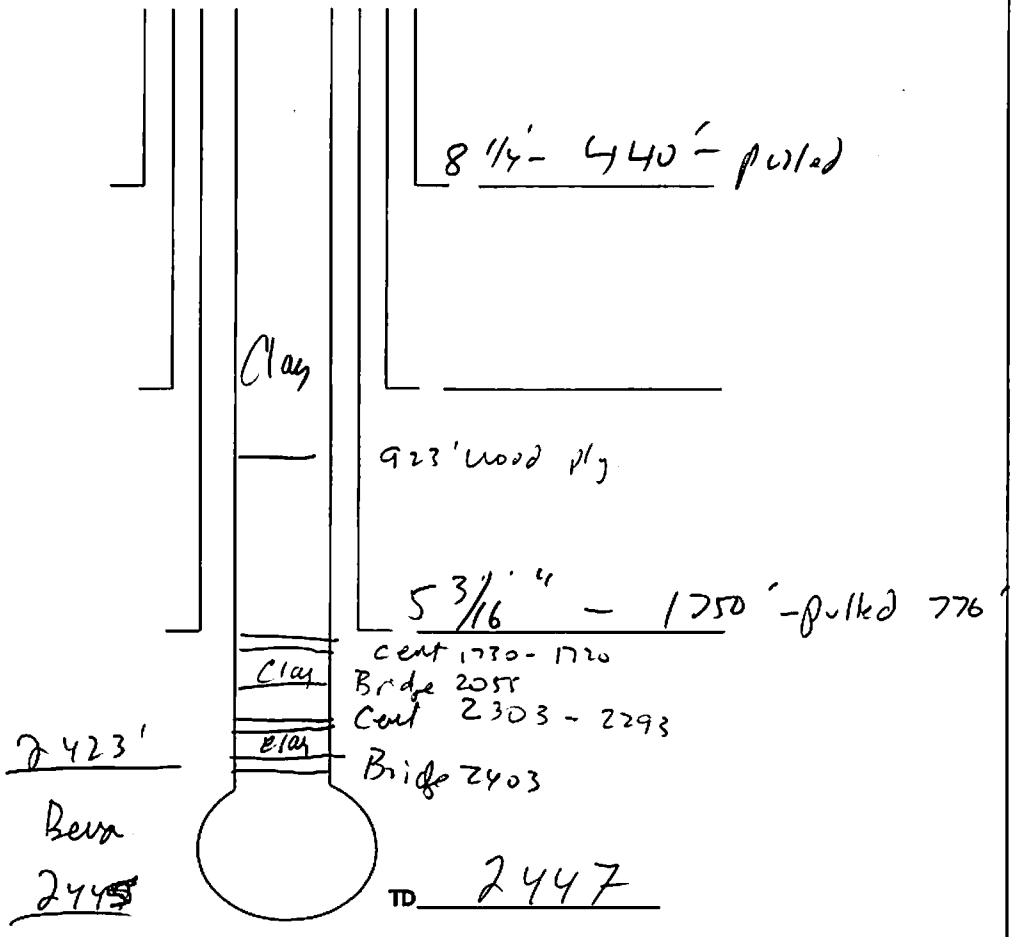
My commission expires:
Feb. 21, 1949

Permit No. Lin-454

E Morrison 2

Griffithsville Unit #2 Field

47-043- 30454



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30370 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: E Morrison

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☑ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2379

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: Northing:

Elevation:

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30370

Well No. 9 Emily Morrison — Farm 115 — Acres
Lease No. 5022 Duval — Township-District Lincoln — County W. Va. — State
United Fuel Drilling Company Contractor — Contractor
Drilling Commenced Oct. 25 1909 — Drilling Completed Nov. 27 1909
N. S. 51 E. W. 76-7 — Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Slate	0	200		
Sand	200	240		
Slate	240	390		
Sand	390	450		
Slate	450	690		
Sand	690	710		
Slate	710	1050		
Salt Sand	1050	1280		
Slate	1280	1285		
Sand	1285	1340		
Slate	1340	1343		
Sand	1343	1500		
Slate	1500	1505		
Sand	1505	1650		
Little Lime	1650	1673		
Pencil Cave	1673	1678		
Big Lime	1678	1865		"ABANDONED"
Big Injun	1865	1925		MAY 26, 1943
Lime Shells	1925	2200		
Black Slate	2200	2356		
Berea Sand	2356	2379		

Purchased 12-11-41 from Virginian Gasoline and Oil Company

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8"	1678		630		1048 +678	
13"	16'					

Shot Date November 27, 1909
Amount 90 Quarts
Sand
Result
Packer Size
Depth Set

Production First 24 Hours ____ Bbls. Gas Test ____

Approved by E.B. South Superintendent

47-043-30370

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

(NO COMMERCIAL COAL) — COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
Rob't Wade — LEASE OR PROPERTY OWNER
Yawkey, W. Va. — ADDRESS

SOUTH PENN NATURAL GAS COMPANY, — NAME OF WELL OPERATOR
Union Trust Building, Parkersburg, W.Va. — COMPLETE ADDRESS
April 22, 1943. — WELL AND LOCATION
Duval District
Lincoln County
Well No. 3
Emily Morrison Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin N. Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Jesse Mason and Leonard Breedlove being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by South Penn Natural Gas Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 18 day of May, 1943, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Berea Sand	Clay	2379'	2336'			
	Cement	2336'	2316'			
Permanent Bridge		1980'		6-5/8"		
B.Inj.-B.Lime	Clay	1980'	1678'		630	1048
	Clay	1678'	1670'			
	Cement	1670'	1660'			
L. Lime	Clay	1660'	1625'			
	Cement	1625'	1615'			
Salt Sand	Clay	1615'	995'			
	Cement	995'	985'			
	Clay	985	640			
	Cement	640	630			
	Clay	630	to surface.			

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
8-1/4" Casing set in Concrete and extending 3' above surface with the Inscription (SPNGCO - Emily Morrison No. 3 - May 26, 1943)

and that the work of plugging and filling said well was completed on the 26th day of May, 1943.

And further deponents saith not.

Jesse Mason
Leonard Breedlove X

Sworn to and subscribed before me this 11th day of June, 1943.

G. H. Smith
Notary Public.

My commission expires: Dec. 7-1947

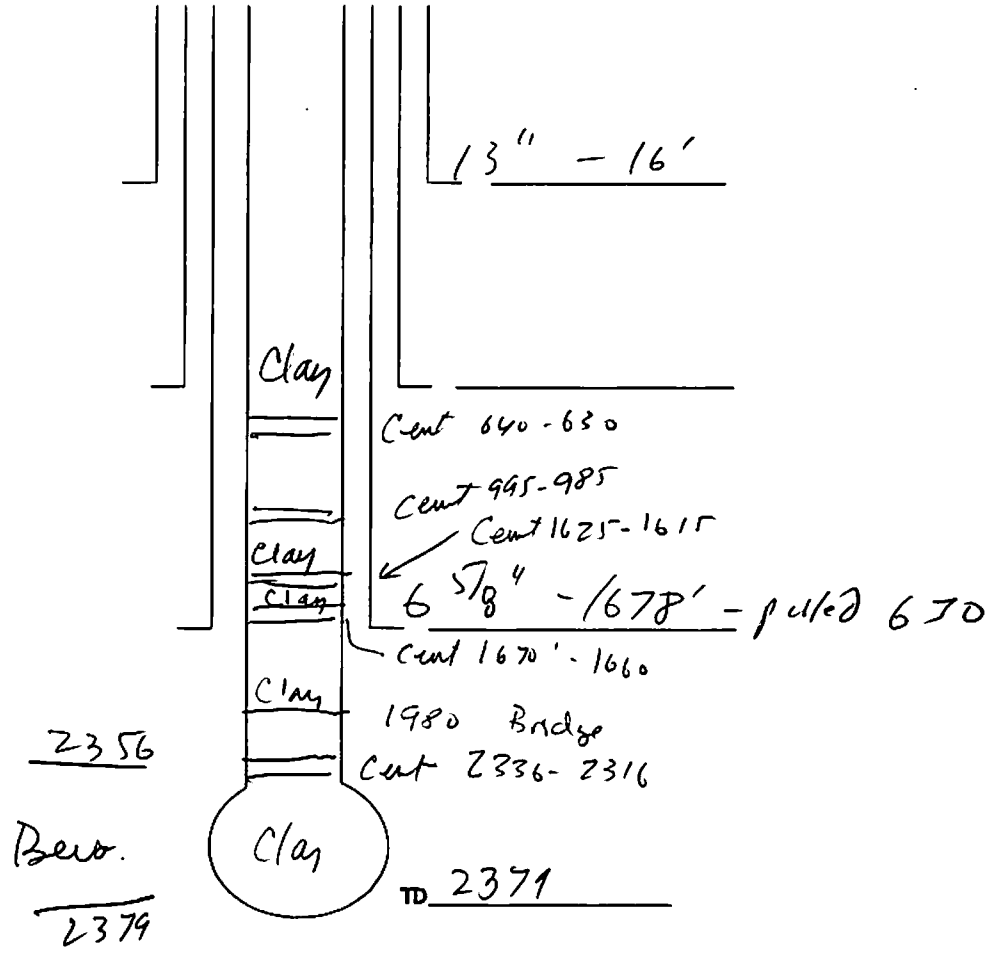
Permit No. LIN-370

ACME PRINTING COMPANY, CHARLESTON, W. VA.

E Morison 3

Griffithsville Unit #2 Field

47-043- 30370



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30311 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 4

Farm Name: E Morisd

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2454

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415,660 Northing: 4,233,244

Elevation: 290

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

71-043-3031

Well No. 4 Emily Morrison — Farm 115 Acres
Lease No. 80224 Duval Township District Lincoln County W. Va. State
United Fuel Drilling Company Contractor — Contractor
Drilling Commenced Sept 7th 1909 Drilling Completed Oct. 16th 1909
N. S. 81 E. W. 76-7 Elevation

043-3031

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Slate		30		
Red Rock	30	55		
Slate	55	135		
Sand	135	155		
Slate	155	215		
Coal	215	220		
Sand	220	310		
Slate	310	420		
Sand	420	460		
Slate	460	640		
Sand	640	730		
Slate	730	930		
Sand	930	1020		
Slate	1020	1090		
Salt Sand	1090	1711		Hole full Water 1160
Little Lime	1711	1749		
Pencil Cave	1749	1758		
Big Lime	1758	1928		
Big Injun	1928	2012		
Slate & Lime Shells	2012	2493		
Berea Sand	2493	2454		

Purchased 12-11-41 from Virginian Gasoline and Oil Company

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8"	1756'				1756	
10" Casing	16'				16	

Shot Date Oct. 20, 1909
Amount 90 Quarts
Sand
Result
Packer Size
Depth Set

Production First 24 Hours _____ Bbls. Gas Test _____

Approved by E. A. South Superintendent

47-043-30311

Form GG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

A. L. Morrison — COAL OPERATOR OR OWNER (Coal not operated)
Milton, W. Va. — ADDRESS

COAL OPERATOR OR OWNER
ADDRESS

A. L. Morrison — LEASE OR PROPERTY OWNER
Milton, W. Va. — ADDRESS

Frick-Reid Supply Corporation — NAME OF WELL OPERATOR
Drawer 2481, Tulsa, Okla. — COMPLETE ADDRESS.

WELL AND LOCATION

July 16, 1942
Duval District
Lincoln County
Well No. Four
Emily Morrison Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin N. Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Arlie Satterfield and Clyde Satterfield being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Frick-Reid Supply Corp., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 30th day of June, 1942, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CSG LEFT IN
Berea	Bailer stuck in salt ring	1980	2002			
	Plug	1980	1977	Wood 3"x6⅛"		
	Stone	1977	1971			
	Cement	1971	1961			
Big Injun	Clay	1961	1785			
	Plug	1785	1782	Wood 3"x6⅛"		
Big lime	Cement	1782	1772		1666	90
	Clay	1772	1070			
Salt sand	Cement	1070	1060			
	Bridge	425				
	Clay & cavings	425	255			
	Stone	255	250			
	Cement	250	195			
COAL SEAMS				DESCRIPTION OF MONUMENT		
(NAME) Unknown	Cement	250	195	8¼" Csg. 30" high filled with concrete marked "Frick-Reid Supply Corp. Emily Morrison # 4 Abnd. July15 1942"		
(NAME)						
(NAME)						
(NAME)						

and that the work of plugging and filling said well was completed on the 15th day of June, 1942.

And further deponents saith not.

Arlie Satterfield
Clyde Satterfield

Sworn to and subscribed before me this 6 day of Aug, 1942.

F. J. Shepard N.P.
Notary Public.

My commission expires:

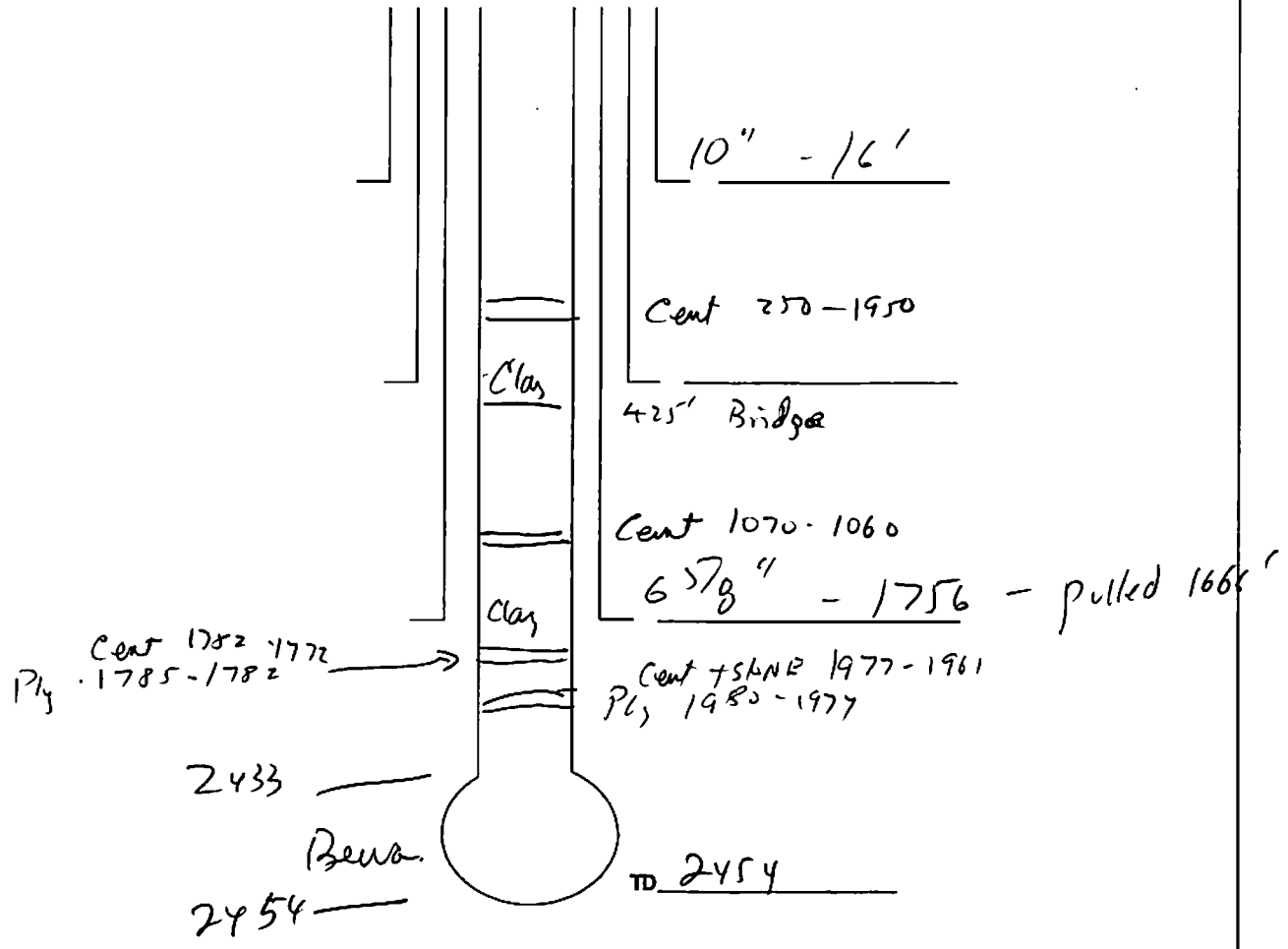
Permit No. LIN-311

JACOBY PRINTING COMPANY, CHARLESTON, W. VA.

E Morrison 4

Griffithsville Unit #2 Field

47-043- 30311



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30310 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 5
Farm Name: E Morrison
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2478
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,567 Northing: 4,233,393
Elevation: 794
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0
Bottom Hole Injection Pressure 0
Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043- 30310

Well No. 5 Emily Morrison — Farm 115 Acres
Lease No. 50224 Duval Township District Lincoln County W. Va. State
United Fuel Drilling Company Contractor — Contractor
Drilling Commenced April 14 1909 Drilling Completed May 31 1909
N. S. 81 E. W. 76-7 Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Red Rock	150	200		043-30310
Slate	200	320		
Coal	320	324		
Sand	324	485		
Slate and Shells	485	1106		
Salt Sand	1106	1725		
Little Lime	1725	1760		
Pencil Cave	1760	1765		
Big Lime	1765	1940		
Red Rock and Big Injun	1940	2000		
Slate and Shells	2000	2452		
Top of Berea	2452	2478		
Total Depth		2478		

Purchased 12-11-14 from Virginian Gasoline and Oil Company

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8	1779				1779	
8 1/4	485					
10"	16					

Shot Date June 1, 1909
Amount 76 Quarts
Sand
Result

Packer Size

Depth Set

Production First 24 Hours ..... Bbls. Gas Test .....

Approved by E. B. South Superintendent

47-043 - 30310

FORM OG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

A. L. Morrison, (Coal Not Operated)
COAL OPERATOR OR OWNER
Milton, W. Va.
ADDRESS

COAL OPERATOR OR OWNER
ADDRESS

Same as above
LEASE OR PROPERTY OWNER
ADDRESS

Frick-Reid Supply Corporation
NAME OF WELL OPERATOR
Drawer 2481, Tulsa, Okla.
COMPLETE ADDRESS
August 10, 1942
WELL AND LOCATION
Duval District
Lincoln County
Well No. Five
Emily Morrison Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin N. Hall

AFFIDAVIT

STATE OF WEST VIRGINIA, }
County of Lincoln } ss:

Arlie Satterfield and Clyde Satterfield being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Frick-Reid Supply Corp., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 21st day of July, 1942, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Bridge		2435			
Berea	Clay	2435	2415			
	Plug	2415	2412	Wood 3'x6 1/8"		
	Cement	2412	2402			
	Bridge		2035			
	Cement	2035	2025			
	Clay	2025	1807			
	Plug	1807	1804	Wood 3'x6 1/8"		
Big lime	Cement	1804	1794		1335	444
	Clay	1794	1086			
Salt sand	Cement	1086	1076			
	Bridge(plug)		470	Wood 3'x9"		
	Cement	470	464			
	Clay	464	354			
	Clay	300	Surface			

COAL SEAMS				DESCRIPTION OF MONUMENT
(NAME) Unknown	Cement	354	300	8¼" csg. filled with concrete
(NAME)				extending 30" above surface with
(NAME)				plate marked "Frick-Reid Sup.Corp.
(NAME)				Emily Morrison #5, Abnd. Aug. 7, 1942"

and that the work of plugging and filling said well was completed on the 7th day of August, 1942.

And further deponents saith not.

Arlie Satterfield
Clyde Satterfield

Sworn to and subscribed before me this 14 day of Oct, 1942.

J. H. Smith
Notary Public.

My commission expires: Dec. 7 1947

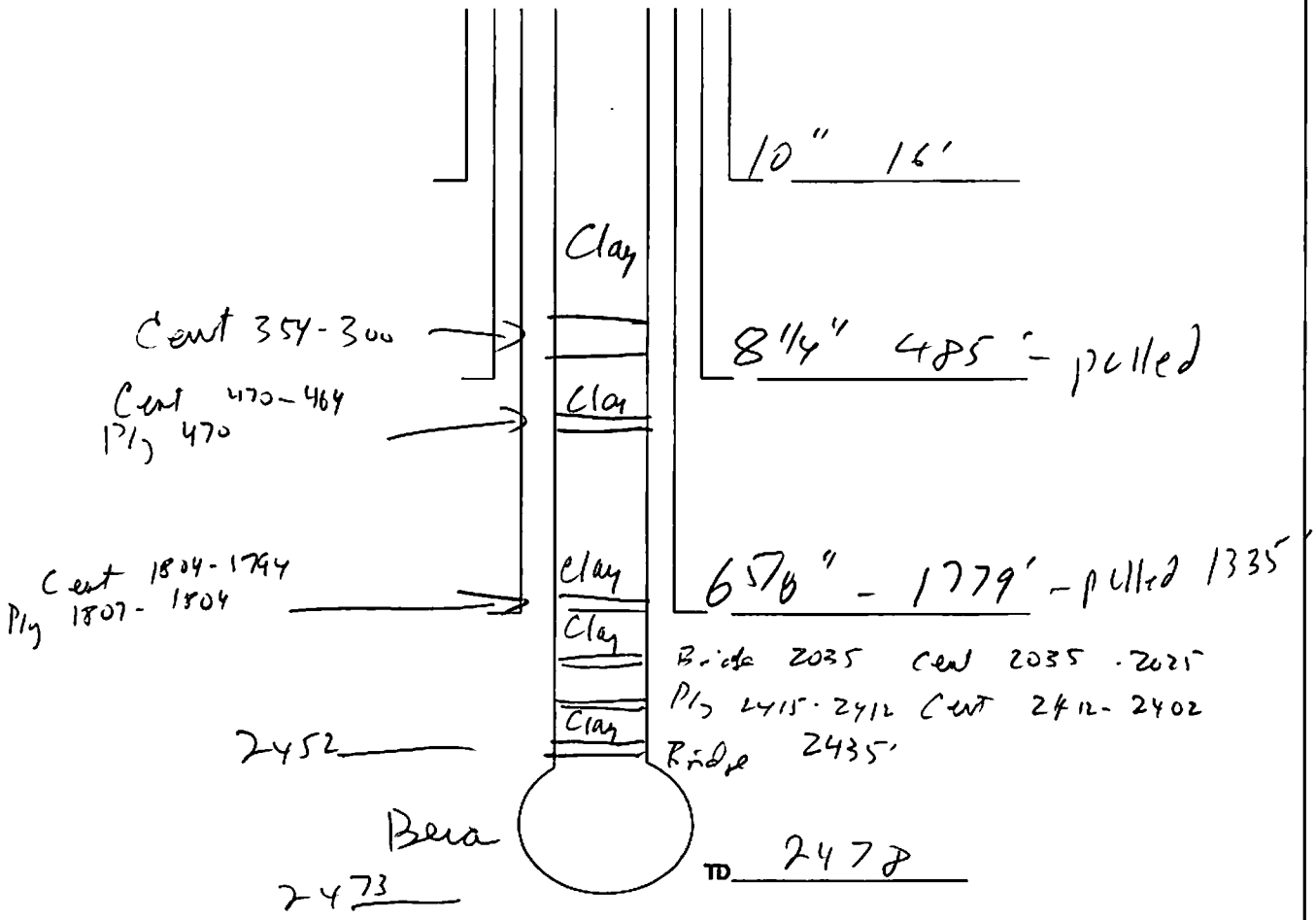
Permit No. Lin-310

Inland Business Equipment, Charleston, W. Va.

E Morrison 5

Griffithsville Unit #2 Field

47-043- 30310



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30456 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 6

Farm Name: E Morrison

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2522

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415 627 Northing: 4,233,551

Elevation: 307

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47.043- 30456

Well No. 6 Emily Morrison — Farm 115 Acres
Lease No. 80224 Duval Township District Lincoln County W. Va. State
United Fuel Drilling Company Contractor — Contractor
Drilling Commenced June 12 1909 Drilling Completed July 26 1909
N. S. 81 E. W. 76-7 Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Slate and Shells	170			
Red Rock	170	220		
Sand	220	360		
Coal	360	364		
Slate	364	420		
Sand	420	520		
Slate and Shells	520	1160		
Salt Sand	1160	1760		
Little Lime and Pencil Cave	1760	1816		
Big Lime	1816	1966		
Break	1966	2021		
Injun Sand	2021	2041		
Slate and Shells	2041	2291		
Slate	2291	2499		
Berea Grit	2499	2517		
Total Depth	2522			

Purchased 12-11-41 from Virginian Gasoline and Oil Company

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8"	1816				1816	
8 1/4	450'					
10" Wood Cond.	10' 16'				16'	

Shot Date July 27, 1909
Amount 90 Quarts
Sand
Result
Packer Size
Depth Set

Production First 24 Hours ____ Bbls. Gas Test ____

Approved by E.B. South Superintendent

47-43-30456

FORM GG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER	United Fuel Gas Company
ADDRESS	c/o G. H. Moore, P.O. Box 1273, Charleston 25, W.Va.
COAL OPERATOR OR OWNER	COMPLETE ADDRESS
ADDRESS	September 2, 1948
A. L. Morrison Et Al	WELL AND LOCATION
LEASE OR PROPERTY OWNER	Duval District
Milton, W. Va.	Lincoln County
ADDRESS	Well. No. 6
	Emily J. Morrison Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Hobart Yeager and Olay Yeager being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. H. Adkins well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 22 day of July, 1948, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Bridge	2479		Pulled 2" Tub.	2517'	
	Clay	2479	2379			
	Cement Plug	2379	2369			
	Bridge	2071				
	Clay	2071	1846			
	Cement Plug	1846	1835	30' Below 7" OD	377	1439'
	Parted Pipe at 377'			Pipe		
	Set Wood plug in pipe at 377-10' Cement Plug on same clay. Fill to surface.					

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	United Fuel Gas Company
(NAME)	Emily J. Morrison #6
(NAME)	Abandonment 6 Aug. 48
(NAME)	

and that the work of plugging and filling said well was completed on the 6th day of August, 1948.

And further deponents saith not.

Hobert Yeager
Olay Yeager

Sworn to and subscribed before me this 2nd day of September, 1948.

Notary Public.

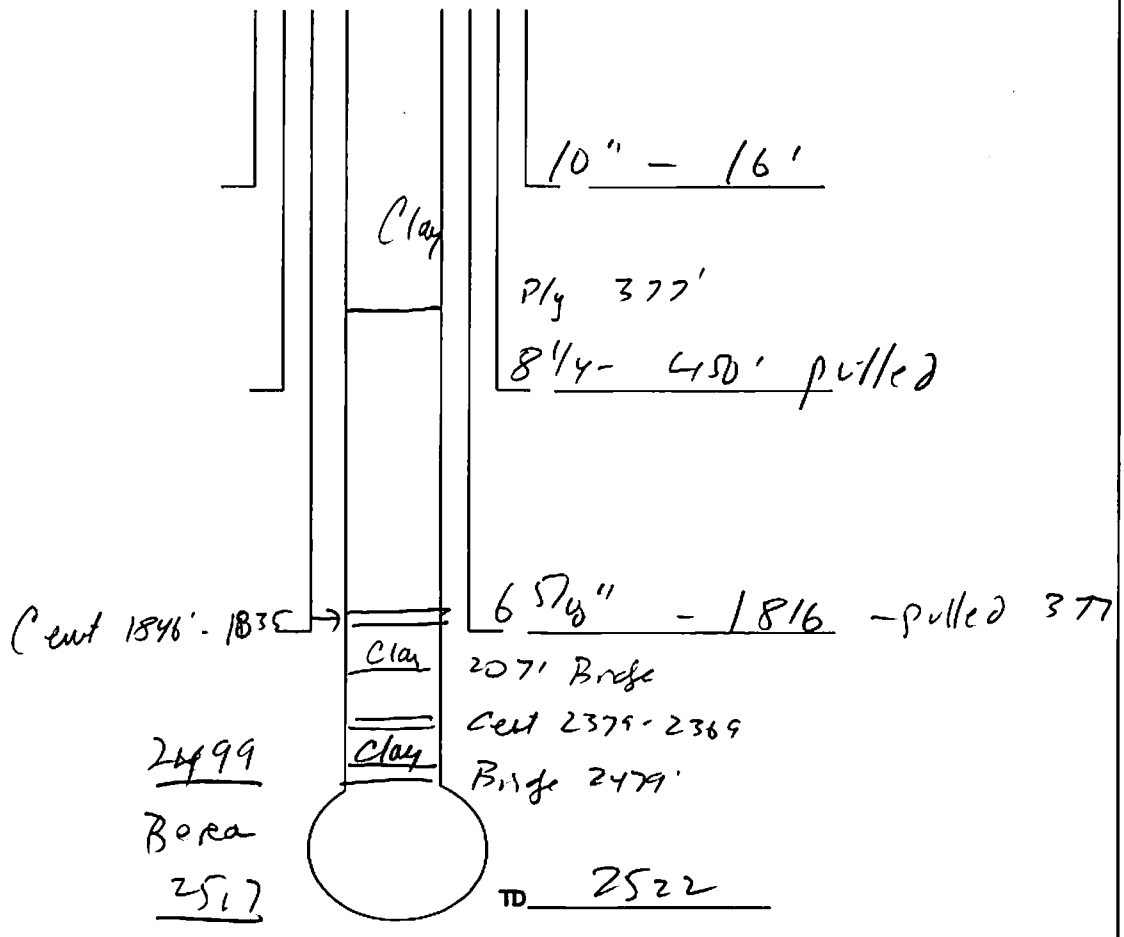
My commission expires:
February 21, 1949

Permit No. Lin-456

E Morrison 6

Griffithsville Unit #2 Field

47-043- 30456



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30312 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 7
Farm Name: E Morrison
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2522
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,672 Northing: 4,233,715
Elevation: 309
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30312

Well No. 7 Emily Morrison — Farm 115 Acres
Lease No. 80124 Duval Township/District Lincoln County W. Va. State
United Fuel Drilling Company Contractor — Contractor
Drilling Commenced Nov. 29 1909 Drilling Completed Jan 14 1910
N. S. 81 E. W. 76-7 Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Coal	360	365		
Slate	365	480		
Sand	480	520		
Slate	520	580		
Sand	580	610		
Slate	610	650		
Sand	650	680		
Slate	680	760		
Sand	760	800		
Slate	800	900		
Sand	900	960		
Slate	960	1140		Hole full Water 1230.
Salt Sand	1140	1790		
Break	1790	1822		
Big Lime	1822	2000		
Big Injun	2000	2060		
Slate	2060	2200		
Sand and Shells	2200	2280		
Slate	2280	2500		
Berea Sand	2500	2522		

Purchased 12-11-41 from Virginian Gasoline and Oil Company.

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8"	1822				1822	
10"	16				16	

Shot Date January 14th 1910
Amount 90 Quarts
Sand
Result
Packer Size
Depth Set

Production First 24 Hours..... Bbls. Gas Test.....

Approved by E. B. South Superintendent

47.043 - 3032

FORM 93-B

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

A. L. Morrison — COAL OPERATOR OR OWNER
(Coal Not Operated) — ADDRESS
Milton, W. Va.

COAL OPERATOR OR OWNER — ADDRESS

Same as above — LEASE OR PROPERTY OWNER
ADDRESS

Frick-Reid Supply Corporation — NAME OF WELL OPERATOR
Drawer 2481, Tulsa, Okla. — COMPLETE ADDRESS

WELL AND LOCATION

September 1, 1942
Duval — District
Lincoln — County
Well No. Seven
Emily Morrison — Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin N. Hall

RECEIVED NOV 1942

AFFIDAVIT

STATE OF WEST VIRGINIA, }
County of Lincoln } ss:

Arlie Satterfield and Clyde Satterfield and Roy Hager being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Frick-Reid Supply Corporation well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 12 day of August, 1942, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
	Bridge		2480			
Berea	Clay	2480	2460			
	Plug	2460	2457	Wood 3"x6 1/8"		
	Cement	2457	2447			
	Bridge	2100				
	Clay	2100	2090			
	Clay	2090	1852			
Big lime	Bailer	1490	1470			
	Clay & stone	1470	1465			
	Cement	1465	1450		1307	515
	Clay	1450	1120			
	Cement	1120	1110			
Salt sand	Bridge		500			
	Cement	500	495			
	Clay	495	395			
	Clay	340	Surface			
COAL SEAMS	Cement	395	340			
(NAME) Unknown						
(NAME)						
(NAME)						

DESCRIPTION OF MONUMENT
8 1/2" Csg. filled with concrete & extending 3' above ground with plate inscribed "Frick-Reid Sup. Corp. Emily Morrison #7, Abnd. Aug. 25 1942"

and that the work of plugging and filling said well was completed on the 25th day of August, 1942.

And further deponents saith not.

Arlie Satterfield
Clyde Satterfield
Roy Hager

Sworn to and subscribed before me this 5th day of November, 1942.

J. H. Smith
Notary Public.

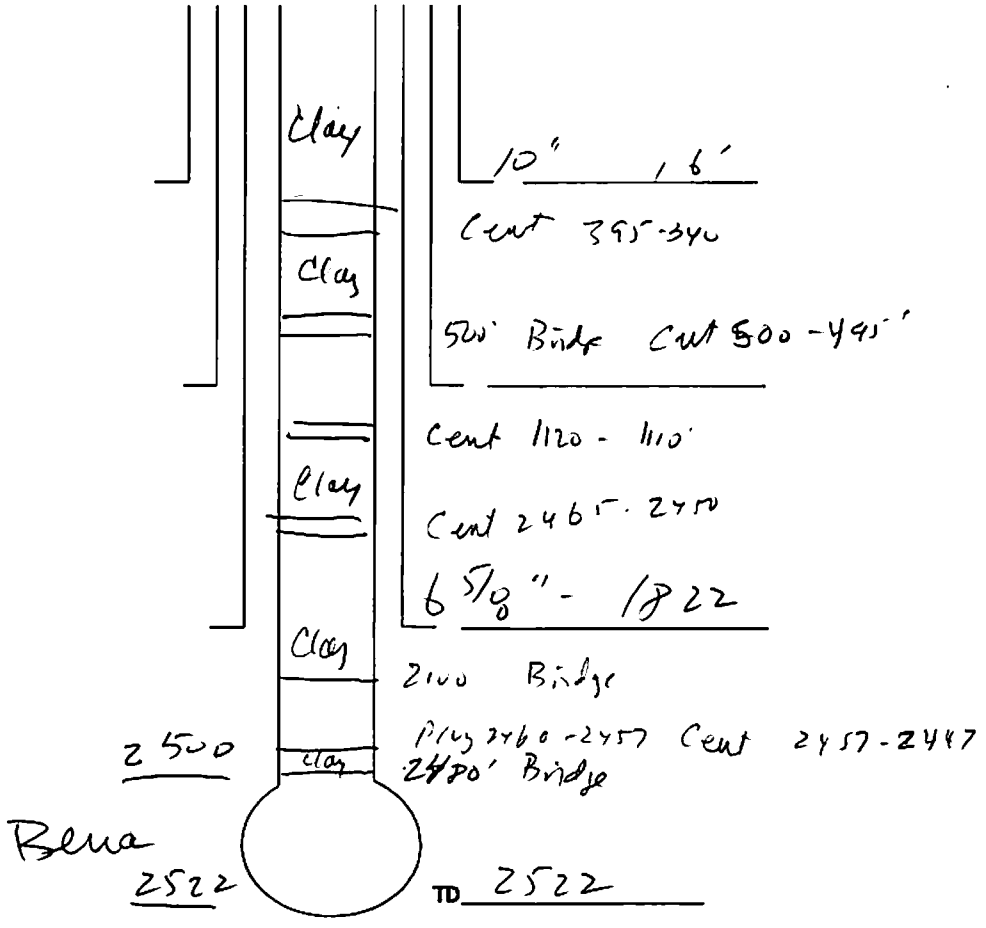
Permit No. LIN-312

My commission expires: December 7, 1947

E Morrison 7

Griffithsville Unit #2 Field

47-043- 30313



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30340 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 8

Farm Name: E Morrison

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2404

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,037 Northing: 4,233,517

Elevation: 277

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30340

Well No. 8 Emily Morrison — Farm 115 Acres
Lease No. 80224 Duval Township District Lincoln — County W. Va. State
United Fuel Drilling Company Contractor — Contractor
Drilling Commenced Aug 31 1909 — Drilling Completed Oct 5 1909
N. S. 81 E. W. 76-7 Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Coal	220	225		
Salt Sand	1060	1645		Salt Water 1120
Slate	1645	1665		
Little Lime	1665	1697		
Pencil Cave	1697	1702		
Big Lime	1702	1867		
Injun Sand	1867	1927		
Berea Sand	2384	2404		
	"Abandoned" Jan. 8, 1943			

Purchased 12-11-41 from Virginian Gasoline and Oil Company

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8"	1704		1501		~~1704~~ 2017	
10" Wood	16				16	

Shot Date October 9, 1909
Amount 90 Quarts
Sand
Result
Packer Size
Depth Set

Production First 24 Hours ____ Bbls. Gas Test ____

Approved by E. B. South Superintendent

47-043-30340

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

(NO COMMERCIAL COAL)
COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

Rob't Wade
LEASE OR PROPERTY OWNER

Yawkey, W. Va.
ADDRESS

SOUTH PENN NATURAL GAS COMPANY
NAME OF WELL OPERATOR
Union Trust Building
Parkersburg, W.Va.
COMPLETE ADDRESS

April 26, 1943
WELL AND LOCATION

Duval District

Lincoln County

Well No. 8

Emily Morrison Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

H. C. Cunningham and Boyce Cunningham being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by South Penn Natural Gas Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 22nd day of December, 1942, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CASING CSG LEFT IN
Berea Sand	Clay	2404	2364			
	Cement	2364	2354			
		1957				
Bridged Hole				6-5/8"- 1501' -- 201'		
B.Inj.-B.Lime	Clay	1957	1704			
	Clay	1704	1682			
	Cement	1682	1672			
L. Lime	Clay	1672	1645			
	Cement	1645	1635			
Salt Sand	Clay	1635	1040			
	Cement	1040	1030			
Bridged Hole		255				
	Clay	200	to surface.			

COAL SEAMS

(NAME) No Name	Cement	255	200	8-1/4" csg.filled with & set in cement, ext.3' above surface with inscription: S.P.N.G.Co. Emily Morrison #8.
(NAME)				
(NAME)				
(NAME)				

DESCRIPTION OF MONUMENT

AUG 1943

and that the work of plugging and filling said well was completed on the 8th day of January, 1943.

And further deponents saith not.

Impossible to locate have permission to use these names from Department of mines Pln

H C Cunningham By Rex Mason
Boyce Cunningham By Rex Mason

Sworn to and subscribed before me this 24 day of May, 1943.

J. W. Smith
Notary Public.

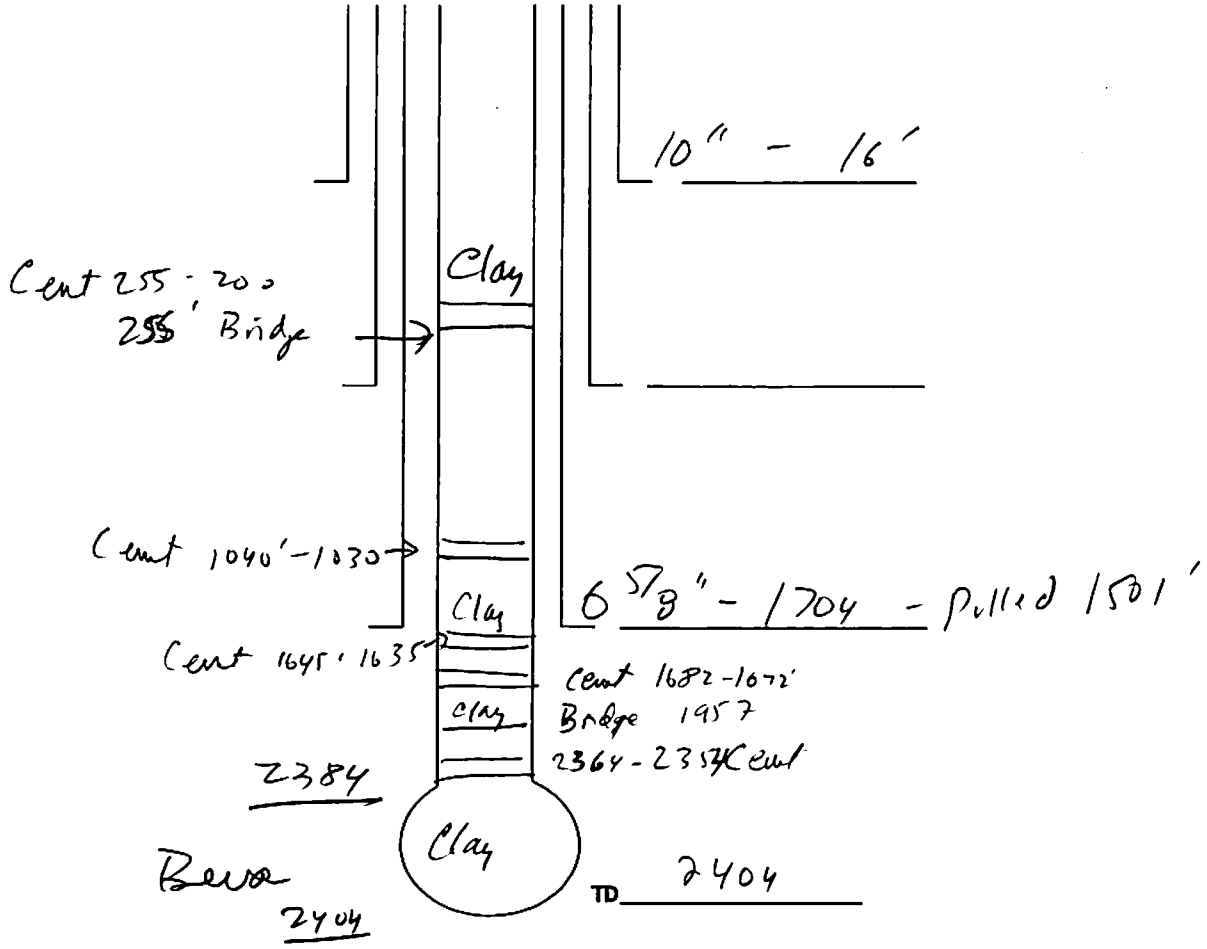
My commission expires:
Dec. 7-1947

Permit No. LIN-340

E Morrison &

Griffithsville Unit #2 Field

47-043- 30340



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 3030 F Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 9
Farm Name: E Morrison
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2526
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,798 Northing: 4,233,853
Elevation: 329'
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: _____ Signature: _____
Date Reviewed: _____

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30307

Well No. 9 Emily Morrison Farm 115 Acres
Lease No. 80224 Duval Township District Lincoln County W. Va. State
United Fuel Drilling Co. Contractor Contractor
Drilling Commenced Oct 15 1909 Drilling Completed Nov. 24 1909
N. S. 81 E. W. 76-7 Elevation 76-7

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Slate	14	120		
Red Rock	120	140		
Slate	140	280		
Sand	280	320		
Slate	320	360		
Coal	360	365		
Slate	365	480		
Sand	480	520		
Slate	520	580		
Sand	580	610		
Slate	610	650		
Sand	650	680		
Slate	680	760		
Sand	760	800		
Slate	800	900		
Sand	900	960		
Slate	960	1140		
Salt Sand	1140	1790		Water at 1240
Breaky	1790	1835		
Big Lime	1835	2000		
Big Injun	2000	2060		
Slate	2060	2200		
	continued	below		

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well		Shot Date
Size	Feet	In.	Feet	In.	Feet	In.	Amount
							Sand
							Result
							Packer Size
							Depth Set

Production First 24 Hours _____ Bbls. Gas Test _____

Approved by _____ Superintendent

47-043 - 30301

Well No. 9 Emily Morrison — Farm — Acres
Lease No. 80224 Duval Township District Lincoln County W. Va. State
United Fuel Drilling Company Contractor — Contractor
Drilling Commenced Oct 15 1909 Drilling Completed Nov. 24 1909
N. S. 81 E. W. 76-7 Elevation

Continued from above

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Sand and shells	2200	2280		
Slate	2280	2506		
Berea Sand	2506	2526½		

Purchased 12-11-41 from Virginian Gasoline and Oil Company

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8"	1835				1835	
8 1/4"	800					
13" Wood	16				16	

Shot Date November 25, 1909
Amount 90
Sand
Result
Packer Size
Depth Set

Production First 24 Hours ..... Bbls. Gas Test .....

Approved by F. B. South Superintendent

47-043-30307

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

A. L. Morrison — COAL OPERATOR OR OWNER
(Coal Not Operated)
Milton, W. Va. — ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

Same as above — LEASE OR PROPERTY OWNER

ADDRESS

Frick-Reid Supply Corporation — NAME OF WELL OPERATOR
Drawer 2481, Tulsa, Okla. — COMPLETE ADDRESS
September 15, 1942 — WELL AND LOCATION
Duval — District
Lincoln — County
Well No. Nine
Emily Morrison — Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin N. Hall

AFFIDAVIT

STATE OF WEST VIRGINIA, }
County of Lincoln } ss:

Arlie Satterfield, Clyde Satterfield and Roy Hager being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Frick-Reid Supply Corp., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 28th day of August, 1942, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CASING — CSG LEFT IN
Berea sand and Big lime	A string of 2" tubing was dropped by the former owners of this well, the top of which was found at 1545'					
	Tubing	2526	1545			
	Clay & stone	1545	1535	Hole was dry & cement was allowed		
	Cement	1535	1520	to set before casing was cut off.	1061	774
	Clay	1520	1061			
Salt sand	Cement	1061	1051			
	Bridge	425				
	Clay	425	395			
	Clay	340	Surface			

COAL SEAMS				DESCRIPTION OF MONUMENT
(NAME) Unknown	Cement	395	340	8¼" casing filled with concrete extending 30" above surface with plate marked "Frick-Reid Sup. Corp. Emily Morrison #9 Abnd. Sept. 10, 1942"
(NAME)				
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 10th day of September, 1942.

And further deponents saith not.

Arlie Satterfield
Clyde Satterfield
Roy Hager

Sworn to and subscribed before me this 21 day of Oct., 1942.

J. H. Smith
Notary Public.

My commission expires: Dec 7, 1947

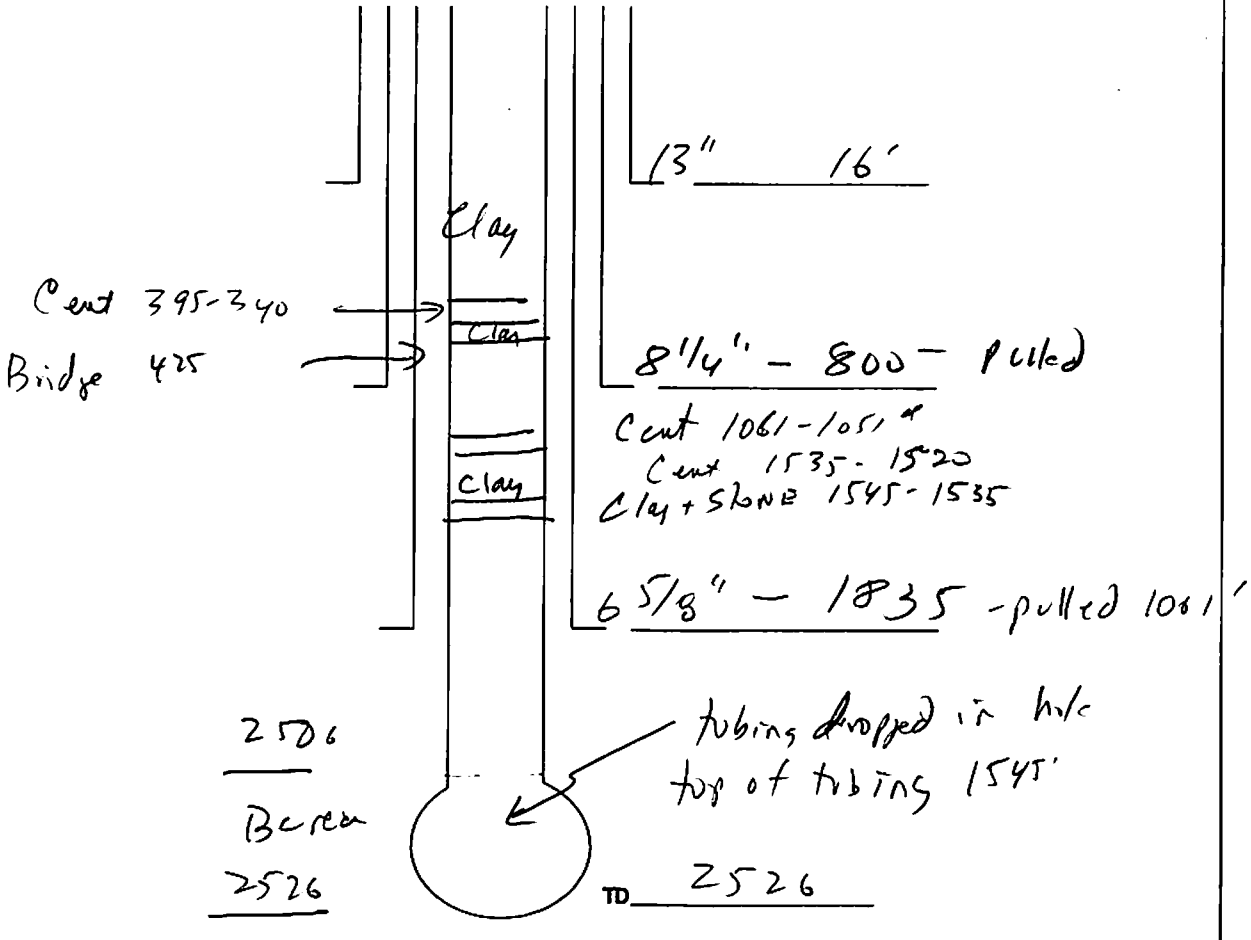
Permit No. LIN-307

ROBERT FONTAINE COMPANY, CHARLESTON, W. VA.

E Morrison 9

Griffithsville Unit #2 Field

47-043- 30307



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30341 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 10

Farm Name: E Morrison

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2305

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,019 Northing: 4,233,295

Elevation: 249

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30341

Well No. 10 Emily Morison Farm 115 Acres
Lease No. 80224 Duval Township District Lincoln County W. Va. State
United Fuel Drilling Company Contractor Contractor
Drilling Commenced Dec. 7 1909 Drilling Completed Jan 14 1910
N. S. 81 E. W. 76-7 Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Sand	10	70		
Slate	70	180		
Sand	180	380		Water at 200 ft.
Slate	380	385		
Sand	385	440		
Slate	440	460		
Sand	460	525		
Slate	525	675		
Sand	675	725		
Slate	725	935		
Salt Sand	935	1560		Salt Water at 950
Slate	1560	1570		
Little Lime	1570	1595		
Pencil Cave	1595	1600		
Big Lime	1600	1760		
Big Injun	1760	1815		
Slate and Shells	1615	2280		
Berea Sand	2280	2302		
Total Depth		2305		Pocket 3 ft.

"ABANDONED — APRIL 27, 1943"
Purchased 12-11-41 from Virginian Gasoline and Oil Company

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/16"	1620		1540		~~1620~~ 80	
8 1/4"	380					
10" Wood	16				16	

Shot Date —
Amount 90 Quarts
Sand
Result
Packer Size
Depth Set

Production First 24 Hours ____ Bbls. Gas Test ____

Approved by E. B. South Superintendent

47-043-30341

FORM GG-3

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

(NO COMMERCIAL COAL) — COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
Robt. Wade, — LEASE OR PROPERTY OWNER
Yawkey, W. Va. — ADDRESS

SOUTH PENN NATURAL GAS COMPANY, — NAME OF WELL OPERATOR
Union Trust Building, Parkersburg, W.Va. — COMPLETE ADDRESS
September 27, 1943 — WELL AND LOCATION
Duval — District
Lincoln — County
Well No. 10
Emily Morrison — Farm
STATE INSPECTOR SUPERVISING PLUGGING: Calvin Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

E. L. Saul and C. E. Cross being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by South Penn Natural Gas Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 7th day of April, 1943, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Berea	Red Clay	2305	2260			
	Cement	2260	2250			
Bridged Hole		1845				
B.Injun-B.Lime	Clay	1845	1620	6-5/8"- 1540-- 80		
L. Lime	Clay	1620	1580			
	Cement	1580	1570			
[illegible]	Clay	1570	1550			
	Cement	1550	1540			
Salt Sand	Clay	1540	915			
	Cement	915	905			
	Clay & Rock	905	to surface.			

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
8-1/4" Csg. extending 3' above surface-filled with concrete. Inscribed: S.P.N.G.Co. Emily Morrison #10 - 4-27-43

OCT 1943
DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 27th day of April, 1943.

And further deponents saith not.

E. L. Saul
E. E. Cross

Sworn to and subscribed before me this 30 day of September, 1943.

J. W. Smith
Notary Public.

My commission expires: Dec. 7-1947

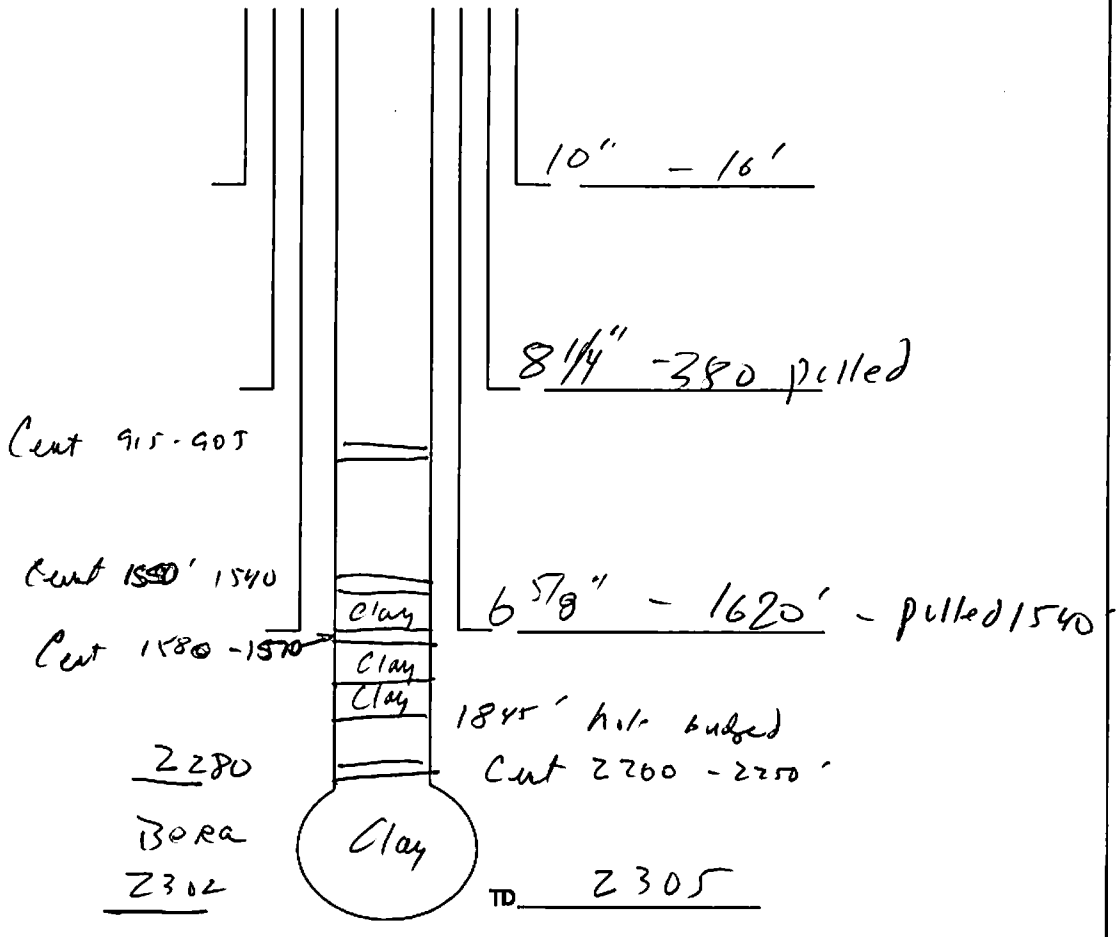
Permit No. LIN-341

LOCKETT PRINTING COMPANY, CHARLESTON, W. VA.

E Murrison 10

Griffithsville Unit #2 Field

47-043- 30341



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 3045 7 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 11

Farm Name: E Morrison

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2295

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: Northing:

Elevation:

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30459

Well No. 11 Emily Morrison — Farm — Acres
Lease No. 30224 Duval Township District Lincoln County W.Va. State
United Fuel Drilling Company Contractor — Contractor
Drilling Commenced Oct 23 1909 Drilling Completed Dec. 4 1909
N. S. E. W. Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Sand	10	320		
Coal	320	328		
Sand	328	390		
Slate	390	400		
Sand	400	550		
Slate	550	660		
Sand	660	700		
Slate	700	725		
Sand	725	750		
Slate	750	945		
Salt Sand	945	1555		
Little Lime	1555	1590		
Pencil Cave	1590	1595		
Big Lime	1595	1775		
Big Injun	1775	2273		
Berea Sand	2273	2295		
Total Depth		2295		

Purchased 12-11-41 from Virginian Gasoline and Oil Company.

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8"	1599				1599	
13" Wood	16				16	

Shot Date December 4, 1909
Amount 90 Quarts
Sand
Result
Packer Size
Depth Set

Production First 24 Hours ____ Bbls. Gas Test ____

Approved by E. B. South Superintendent

Dec Mo
Completed Sept 24, 1948
47-043 - 30457

FORM GG-0

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER: _____
ADDRESS: _____
COAL OPERATOR OR OWNER: _____
ADDRESS: _____
LEASE OR PROPERTY OWNER: _____
ADDRESS: _____

WELL OPERATOR: United Fuel Gas Co. Eng Dept.
COMPLETE ADDRESS: C/o Mr Moore Charleston, W.Va.
WELL AND LOCATION: October 13 1938 19____
Duval District
Lincoln County
Well No. 11
Emily J.Morrison Farm
STATE INSPECTOR SUPERVISING PLUGGING D.E.Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Lincoln } ss:

W.C.Pack and Hubert Beheler being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R.H.Adkins well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the Aug 16th day of 19 48, 19____, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CASING CSG LEFT IN
	Clay	2253	2153			
	Cement	2153	2143			
	Bridge	2205			1330	267
	Clay	2203	1599			
	Pipe parted at		1330			
	Set Wood Plug in Pipe	1330				
	at	1330	1320			
	Cement	1330	915			
	Clay	358				
	Bridge	358	300			
	Cement	300	0			
	Clay					

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT: Marker 18 x 13 x 30 Date of abandoment na,me or Co. U.F.G.Co.

RECEIVED NOV 1948 WEST VIRGINIA DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the sept 24 day of 1048 19____.

And further deponents saith not.

W C Pack
Hubert Beheler

Sworn to and subscribed before me this 13 day of October 1948, 19____.

A T Williams
Notary Public.

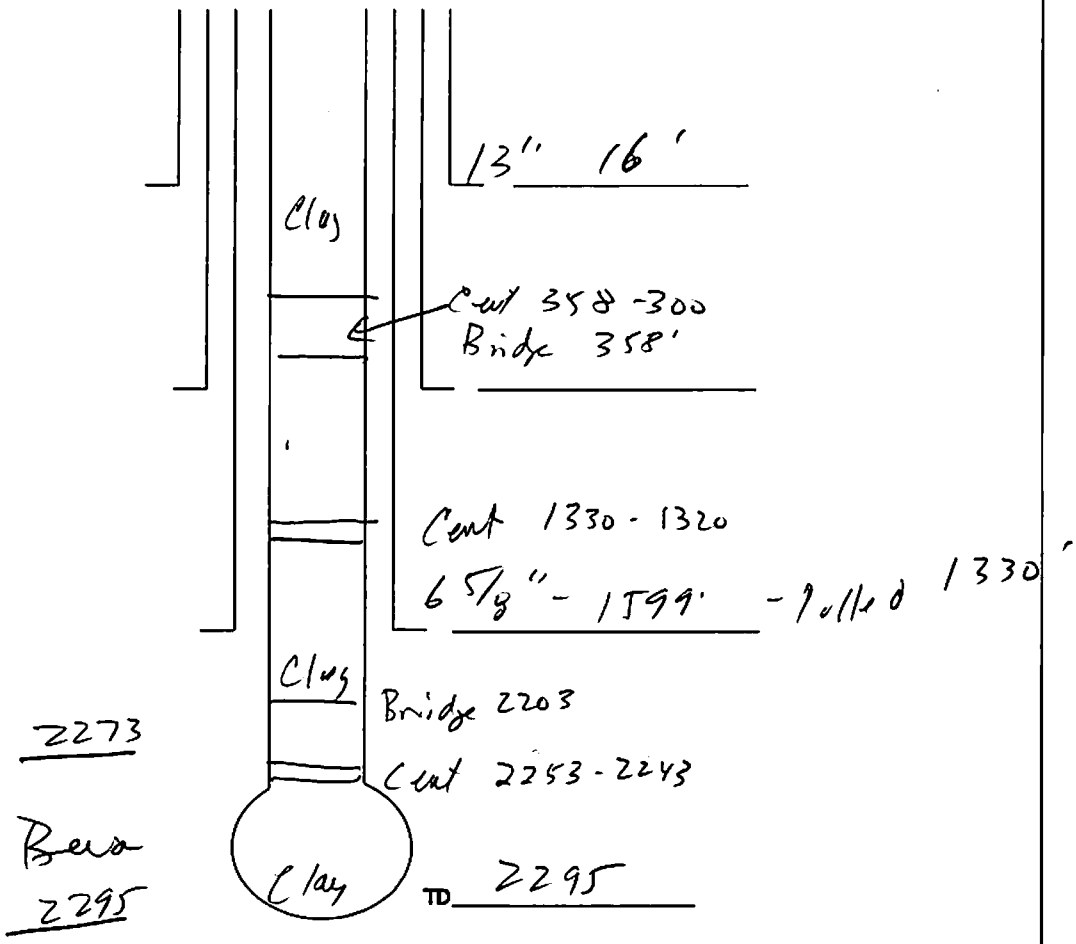
My commission expires: 21 Feb 1949

Permit No. L-457

E Morrison 11

Griffithsville Unit #2 Field

47-043- 30457



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

(298)

API Number: 47- 043 - 30306 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 12

Farm Name: E morrison

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2291

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: Northing:

Elevation:

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

11

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30306

Well No. 12 Emily Morrison Farm Acres
Lease No. 20124 David Township District Lincoln County W. Va. State
Pratt Drilling Company Contractor Contractor
Drilling Commenced Feb 9 1910 Drilling Completed March 16 1910
N. S. 71 E. W. 76-7 Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Sand	10	60		
Slate	60	170		
Sand	170	370		
Slate	370	375		
Sand	375	430		
Slate	430	450		
Sand	450	515		
Slate	515	665		
Sand	665	715		
Slate	715	920		
Salt Sand	920	1550		
Slate	1550	1560		
Little Lime	1560	1580		
Pencil Cave	1580	1585		
Big Lime	1585	1765		
Big Injun	1765	1825		
Slate and Shells	1825	2270		
Berea Sand	2270	2291		

Purchased 12-11-41 from Virginian Gasoline and Oil Company.

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8"	1589				1589	
8 1/4"	450					
Wood Cond.	16'				16'	

Shot Date March 17, 1910
Amount 80 Quarts
Sand
Result
Packer Size
Depth Set

Production First 24 Hours ..... Bbls. Gas Test .....

Approved by E. B. South Superintendent

47043-30306

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE COAL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

A. L. Morrison — COAL OPERATOR OR OWNER
Milton, W. Va. — ADDRESS
(Coal not operated) — COAL OPERATOR OR OWNER
ADDRESS
Same — LEASE OR PROPERTY OWNER
ADDRESS

Frick-Reid Supply Corporation — NAME OF WELL OPERATOR
Drawer 2481, Tulsa, Okla. — COMPLETE ADDRESS
July 1, 1942 — WELL AND LOCATION
Duval — District
Lincoln — County
Well No. Twelve
Emily Morrison — Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin N. Hall

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Lincoln } ss:

Arlie Satterfield and Clyde Satterfield being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Frick-Reid Supply Corp., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 16th day of June, 1942, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CASING CSG LEFT IN
	Bridge	2291	2253			
Berea	Clay	2253	2230			
	Plug	2230	2227	Wood 3'x6 1/8"		
	Cement	2227	2217			
	Bridge	1855				
	Cament	1855	1845			
	Clay	1845	1620			
Big Injun	Plug	1620	1617	Wood 3'x6 1/8"		
	Cement	1617	1607		1589	None
	Clay	1607	900			
Big Lime	Cement	900	890			
	Plug	355	352	Wood 3'x9"		
	Cement	352	344	The 8 1/4" Csg referred to in the work order had been pulled previously.		
	Clay	344	Surface			

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
8 1/4" Csg. filled with concrete 30" high marked "Frick-Reid Supply Corp. Emily Morrison # 12 Abnd. June 24, 1942"

and that the work of plugging and filling said well was completed on the 24th day of June, 1942.

And further deponents saith not.

Arlie Satterfield
Clyde Satterfield

Sworn to and subscribed before me this 6 day of July, 1942.

F. D. Shepard N. P.
Notary Public.

My commission expires:

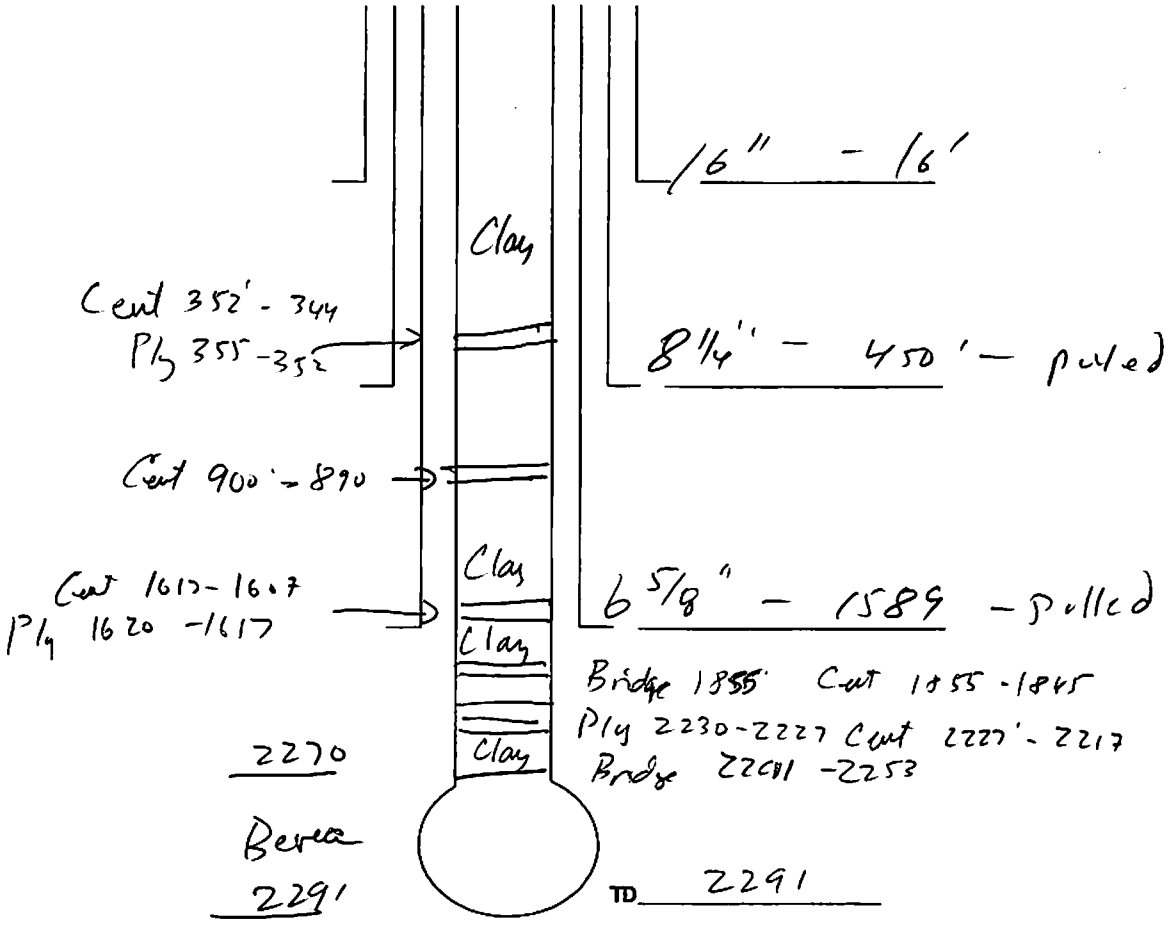
Permit No. LIN-306

JARRETT PRINTING COMPANY, CHARLESTON, W. VA.

E Morrison 12

Griffithsville Unit #2 Field

47-043- 30306



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(299)

AOR - Well Review Checklist

API Number: 47- 043 - 30458 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 13
Farm Name: E Morrison
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2347
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: Northing:
Elevation:
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30458

Well No. 13 Emily Morrison Farm Acres
Lease No. 80124 Duval Township District Lincoln County W. Va. State
Pratt Drilling Co. Contractor Contractor
Drilling Commenced Mar 18 1910 Drilling Completed April 21st 1910
N. S. 81 E. W. 76-7 Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Slate	0	50		
Sand	50	150		
Slate and Sand	150	430		
Sand	430	600		
Slate	600	675		
Lime	675	725		
Shells and Slate	725	800		
Sand	800	875		
Slate	875	960		
Salt Sand	960	1595		S. Water at 1050'
Slate	1595	1608		
Little Lime	1608	1640		
Penetl Pave	1640	1648		
Big Lime	1648	1810		
Big Injun	1810	1870		
Slate	1870	1950		
Sand	1950	1995		
White Slate	1995	2195		
Shells and Slate	2195	2300		
Black Slate	2300	2326		
Berea Sand	2326	2347		

Purchased 12-11-41 from Virginian Gasoline and Oil Company.

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8"	1651				1651	
Wood Cond.	16				16	

Shot Date April 23, 1910
Amount 90 Quarts
Sand
Result
Packer Size
Depth Set

Production First 24 Hours Bbls. Gas Test

Approved by E. B. South Superintendent

47.043 - 30458

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER _____
ADDRESS _____
COAL OPERATOR OR OWNER _____
ADDRESS _____
LEASE OR PROPERTY OWNER _____
ADDRESS _____

NAME OF WELL OPERATOR: United Fuel Gas Company.
COMPLETE ADDRESS: c/o G. H. Moore, P.O. Box 1273, Charleston 25, W.Va.
October 13, 19 48.

WELL AND LOCATION
Duval District
Lincoln County
Well No. 13
Emily J. Morrison Farm

STATE INSPECTOR SUPERVISING PLUGGING Do. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Lincoln } ss:

W. C. Pack and Hubert Beheler being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. H. Adkins well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 28th day of Sept., 19 48, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Berea	Set Bridge 20' above Berea at 2306 Ft. Fill hole 100' with non-porous material. Set 10' Cement Plug on same, sealing off Berea Sand.					
Lime-Injun	Set Bridge 30' below Big Injun Sand at 1900'. Fill hole through Big Injun & Big Lime with non-porous material 20' above Big Lime. Set 10' Cement Plug on same 1628 Ft. to 1618 Ft., sealing off Big Injun and Big Lime.					Set Plug before lifting 6-5/8 Csg Set at 1651'
Salt Sand	Fill hole from 1618 Ft. with non-porous material to 20' above top of Salt Sand. Set 10' Cement Plug on same at 940 Ft. to 930 Ft., sealing off Salt Sand.					
	Open hole to 200'; set bridge and 10' Cement Plug on same at 200 Ft. to 190 Ft. Filled Clay to Surface					
COAL SEAMS				DESCRIPTION OF MONUMENT		
(NAME)				U.F.G. Co. Emily J. Morrison #13. Abandonment 10/7/48		
(NAME)						
(NAME)						

RECEIVED NOV 1 1948 WEST VIRGINIA DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 7th day of October, 19 48

And further deponents saith not.

W C Pack
Hubert Beheler

Sworn to and subscribed before me this 13 day of Oct., 19 48

Notary Public.

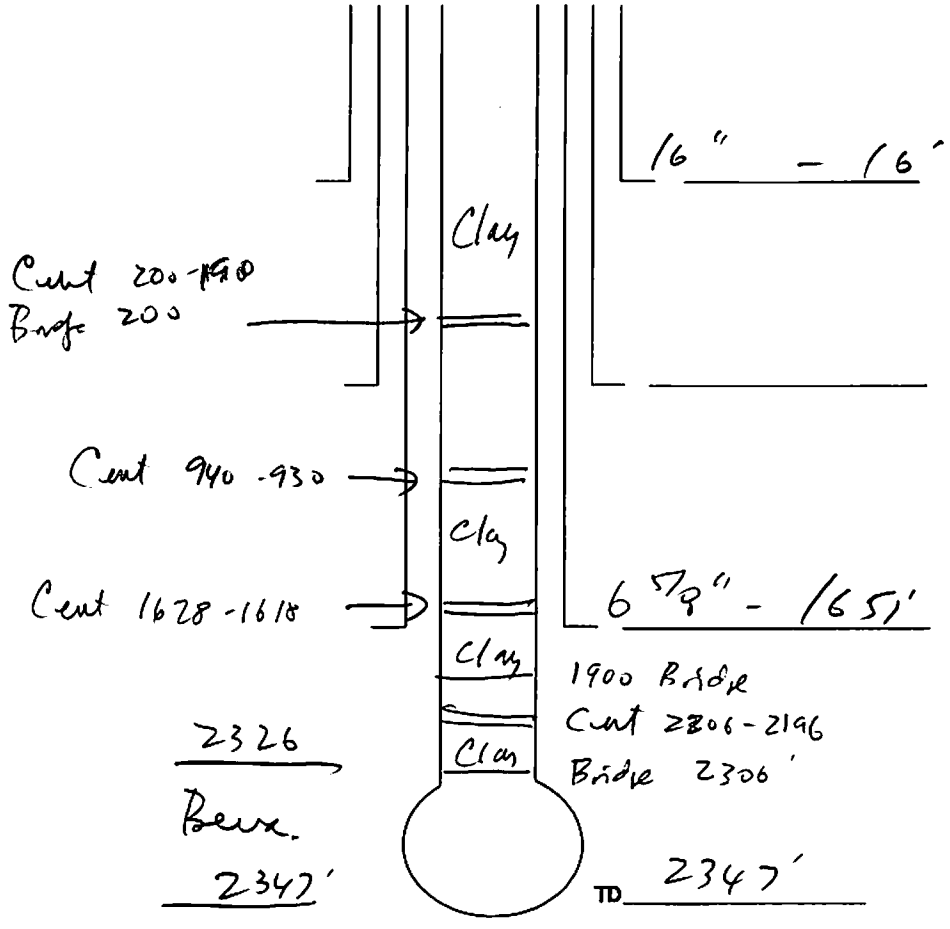
My commission expires: April 1, 1957

Permit No. Lin-458

E Monison 13

Griffithsville Unit #2 Field

47-043- 30458



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

300

AOR - Well Review Checklist

API Number: 47- 043 - 30454 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 14

Farm Name: E Morrison

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2310

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: Northing:

Elevation:

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☑

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30427
30459

Well No. 14 Farm Emily Morrison Acres
Lease No. 50224 Duval District Lincoln County W Va. State
Pratt Drilling Company Contractor Contractor
Drilling Commenced June 21 1910 Drilling Completed Sept. 3 1910
N. S. E. W. 76-7 Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Slate	0	60		
Sand	60	115		
Slate	115	180		
Lime	180	225		
Sand	225	285		
Slate	285	375		
Sand	375	440		
Slate	440	530		
Lime	530	580		
Sand	580	625		
Slate	625	715		
Sand	715	825		
Slate	825	970		
Salt Sand	970	1575		
Little Sand	1575	1605		
Pencil Cave	1605	1610		
Big Lime	1610	1780		
Big Injun	1780	1850		
Slate Lime	1850	2100		
Slate	2100	2267		
Brown Shale	2267	2287		
Berea Sand	2287	2310		

Purchased 12-11-41 from Virginian Gasoline and Oil Company.

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
6 5/8"	1615				1615	
8 1/4"	910					
10" W. Rock.	16				16	

Shot Date September 3, 1910
Amount 90 Quarts
Sand
Result
Packer Size
Depth Set

Production First 24 Hours ____ Bbls. Gas Test ____

Approved by G. C. Stout Superintendent

47-043-30459
30459

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER	United Fuel Gas Company — NAME OF WELL OPERATOR
ADDRESS	Charleston, West Virginia — COMPLETE ADDRESS
COAL OPERATOR OR OWNER	August 28 19 48 — WELL AND LOCATION
ADDRESS	Duval District
A. L. Morrison et al. — LEASE OR PROPERTY OWNER	Lincoln County
Milton, W. Va. — ADDRESS	Well No. 14
	Emily J. Morrison Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

W. C. Pack and Hubert Beheler being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. H. Adkins well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 14th day of August, 19 48, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
					2310 2"	Tubing
	Bridge	2267				
	Clay	2267	2367			
	Cement Plug	2367	2357	Cemeht		
	Bridge	1880				
	Clay	1880	1645	6-5/8 Casing	1615	
	Cement Plug	1645	1635	30' Below		
	Clay	1635	990	Pipe		
	Cement Plug	990	980			
	Bridge	200				
	Cement Plug	200	190			
	Clay	190				

COAL SEAMS
(name)
(name)
(name)
(name)

DESCRIPTION OF MONUMENT
U.F.G. Co.
Emily Morrison No. 14
Abandonment Date 9-28-48

and that the work of plugging and filling said well was completed on the 28th day of August, 19 48.

And further deponents saith not.

W C Pack
Hubert Beheler

Sworn to and subscribed before me this 28th day of August, 19 48.

Notary Public.

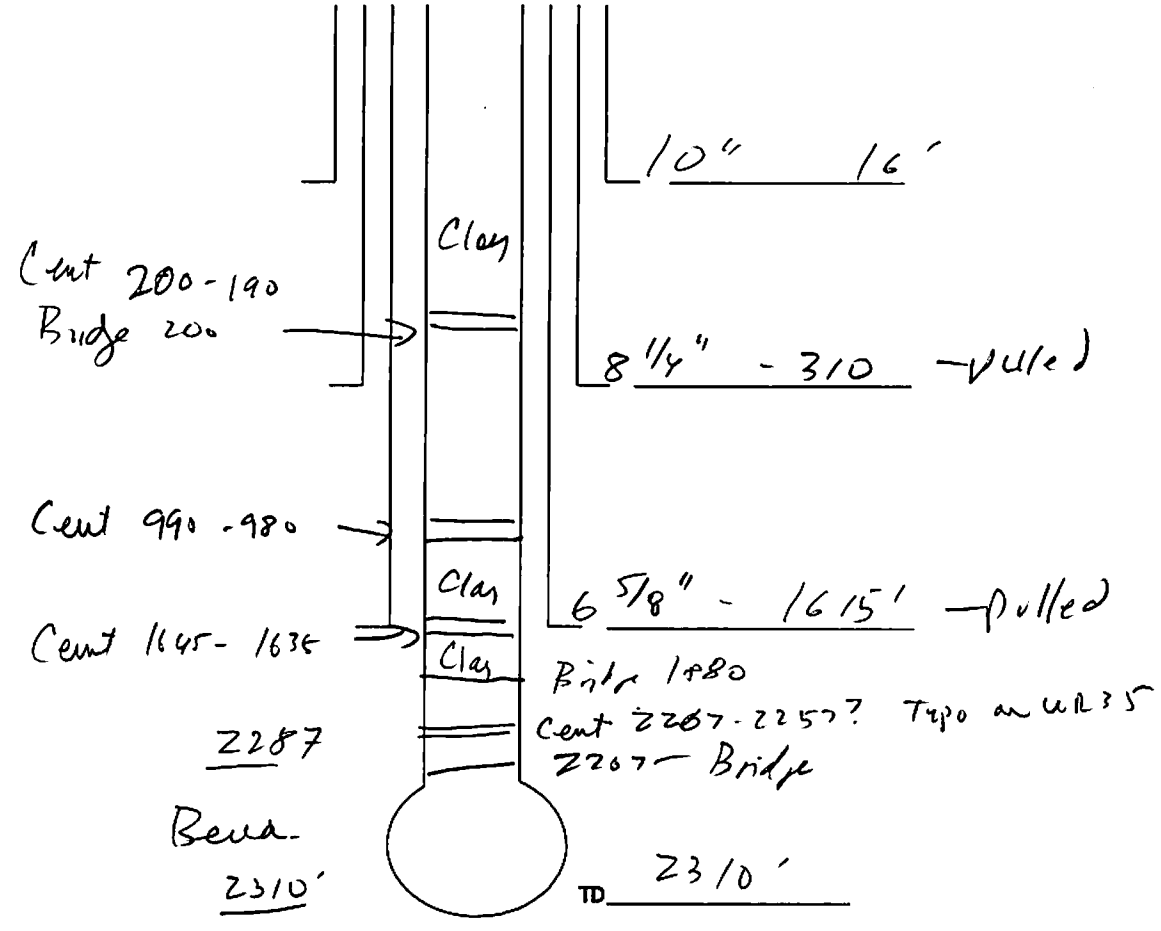
My commission expires:
February 21, 1948

Permit No. Lin-459

E Morrison 14

Griffithsville Unit #2 Field

47-043- 30459



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(301)

AOR - Well Review Checklist

API Number: 47- 043 - 70243 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 1
Farm Name: John Morrison
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well:
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,197 Northing: 4,233,217
Elevation: 220
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

NOT Available WR 35 & 38

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

WVDEP OOG Internal Use Only
Rev. 6/14/16

302

AOR - Well Review Checklist

API Number: 47- 043 - 30690 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 2

Farm Name: John Morrison

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2272

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 416,104 Northing: 4,233,066

Elevation: 215

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30690

WELL RECORD
ABANDONMENT

Permit No. _____ Oil or Gas Well Oil (KIND)

Company United Fuel Gas Company
Address P. O. Box 1273, Charleston 25, W. Va.
Farm Morrison Heirs Acres 8
Location (waters) Bear Fork
Well No. 2 Elev. 728
District Duval County Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by G. V. Morrison, et al
420 Second Avenue Address St. Albans, W. Va.
Drilling commenced 4-19-09
Drilling completed 6-2-09
Date Shot 6-3-09 From To
With 90 Quarts
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
Fresh water feet feet
Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	25	25	Size of
8¼			
6⅝	1525	1525	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
			0	50			
Soil			50	90			
Slate			90	110			
Sand			110	130			
Slate			130	190			
Sand			190	260			
Slate			260	430			
Sand			430	465			
Slate			465	515			
Sand			515	620			
Slate			620	670			
Sand			670	800			
Slate & Shells			800	1340			
Salt Sand			1340	1485			
Slate & Shells			1485	1520			
Little Lime			1520	1525			
Pencil Cave			1525	1705			
Big Lime			1705	1725			
Red Rock			1725	1785			
Big Injun			1785	2198			
Slate & Shells			2198	2219			
Berea Sand							
[illegible]				2222'			
Total Depth							

APR 1909
WEST VIRGINIA
DEPARTMENT OF MINES

(Over)

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30690

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

United Fuel Gas Company
NAME OF WELL OPERATOR

Charleston, W. Va.
COMPLETE ADDRESS

September 20, 1949.
WELL AND LOCATION

Duval District

Lincoln County

Well No. 2

Morrison Heirs Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana Lawson

AFFIDAVIT

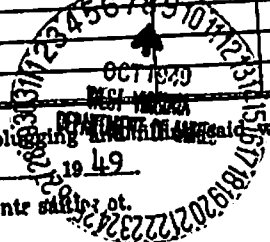
STATE OF WEST VIRGINIA,
County of Lincoln } ss:

W. C. Pack and Howard Pack

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. H. Adkins, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 12 day of September, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Berea -	Set Bridge 20' above Berea at 2178'. Filled hole 100' with non-porous Material. Set 10' Cement Plug on same, sealing off Berea Sand.					
Lime - Injun	Set Bridge 30' below Big Injun Sand at 1815'. Filled hole through Big Injun and Big Lime with non-porous material to 30' below pipe. Set 10' Cement Plug on same at 1555' to 1545', sealing off Big Injun And Big Lime. Filled hole as pipe was removed.					
Salt - Sand	Filled hole from 1545' with non-porous material to 20' above top of Salt Sand. Set 10' Cement Plug on same at 780' to 770', sealing off Salt Sand.					
	Opened hole to 200'; set Bridge and 10' Cement Plug on same at 200' to 190'.					
	Filled hole with non-porous material to surface. Set Cement Marker 12" x 12" x 30", marking date of abandonment.					
	5' crushed stone on top of all Cement Plugs.					

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	U. F. Gas Co.
(NAME)	Well # 2, Morrison Heirs
(NAME)	Date of abandonment.
(NAME)	



and that the work of plugging and filling said well was completed on the 20 day of September, 1949.

And further deponents saith not.

W. C. Pack
Howard Pack

Sworn to and subscribed before me this 20 day of September, 1949.

Notary Public.

My commission expires:
April 1, 1957

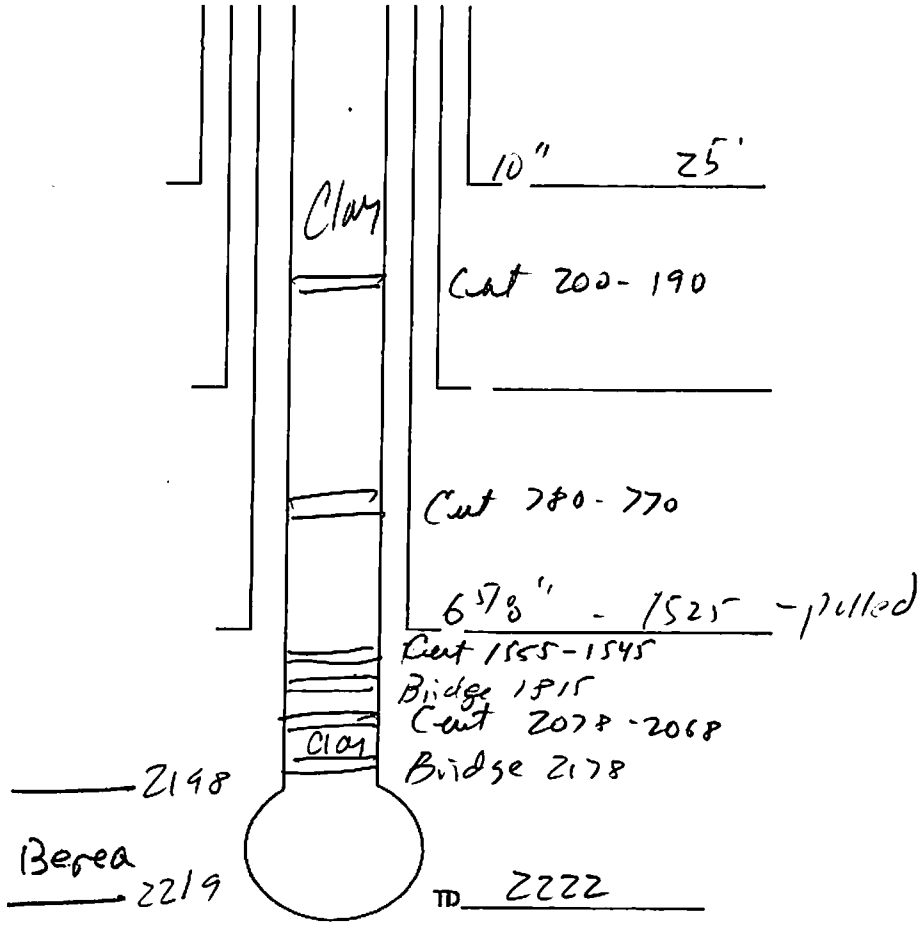
Permit No. Lin-690

(111)

John Morrison 2

Griffithsville Unit #2 Field

47-043- 30690



From Drillers Records/Plugging Records

*WVDEP OOG Internal Use Only
Rev. 6/14/16

303

AOR - Well Review Checklist

API Number: 47- 043 - 02168 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 1
Farm Name: Thomas Nelson
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2537
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,606 Northing: 4,234,482
Elevation: 320
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0
Bottom Hole Injection Pressure 0
Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-0[illegible]
-02168

Record of Well No. 1 on Wm Nelson Farm [illegible] Acres [illegible]
Field, [illegible] District [illegible] County [illegible]
Rig Commenced [illegible] 19[illegible], Completed [illegible] 19[illegible]
Drilling Commenced Nov 16th 1968, Completed June 1st 1969
Cost per foot, 11 Contractor, Hunter Bros Address, Spencer W. Va.
Drillers' Names, G. C. Peckle & Jesse Nelson

CONDUCTOR AND CASING USED IN DRILLING.

	13 inch	10 inch	8¼ inch	8 inch	7⅝ inch	6¾ inch	6¼ inch	5 3/16 inch	4½ inch
Conductor				212		1840			
11									

CONDUCTOR AND CASING LEFT IN WELL.

	13 inch	10 inch	8¼ inch	8 inch	7⅝ inch	6¾ inch	6¼ inch	5 3/16 inch	4½ inch
Conductor						1840			
11									

OIL WELL X GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
11		2nd Shot 19 Mcf 80 Bbl								

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		10	10	E = 1039.17
Red Rock	10	30	20	
Sand	30	40	10	
Red Rock	40	60	20	
Red Rock	60	80	20	
Sand & Slate	80	240	160	
Sand	240	290	50	Water at 200 ft. in
Red Rock	290	320	30	Small Show Coal
Sand & Slate	320	380	60	
Slate & Shale	380	455	75	
Black Slate	455	535	80	
Red Rock	535	575	40	Top of Shell Little Dunkard
Black Slate	575	650	75	Sand, Steel Core Measure -
Slate & Sand	650	720	70	Meas. 2178, Bottom of Lo.
Red Rock	720	780	60	2218 Top of 2nd Shell 2356
Black "	780	880	100	Steel Core Measurement
Sand, Shells	880	930	50	Bottom of Lo. 2411
Slate & "	930	1000	70	
Black Slate	1000	1050	50	
Shell & "	1050	1070	20	Top Salt Sand 1140
Lime & Shells	1070	1140	70	Salt & Slate base Salt 1160
Sand & Shale	1140	1740	600	Hole Fluid at 1940
Little Lime	1740	1818	78	
Pencil Cave	1818	1825	7	
Big Lime	1825	2000	175	Show Gas 20 ft. in Lime
Big Injun	2000	2055	55	
Lime Shale	2055	2516	461	
Sand & Shale	2516	2536	20	Show Gas at 6 ft. in
Coffee Shale	2536	2537	1	Bottom of Second Sand

API # 47- 43-02168

47-043-02168

WR-38
9-May-91

RECEIVED
NOV 05 1991
DEPT. OF ENERGY

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: CLARK, JAMES & ROSIE Operator Well No.:T.F. NELSON #1

LOCATION: Elevation: 1036.77 Quadrangle: GARRETTS BEND
District: DUVAL County: LINCOLN
Latitude: 13550 Feet South of 38 Deg. 17 Min. 30 Sec.
Longitude 7200 Feet West of 81 Deg. 55 Min. 0 Sec.

Well Type: OIL X GAS ____: Coal Operator or Owner

Company: Pennzoil Products Company
P. O. Box 5519
Vienna, WV 26105-5519

Coal Operator or Owner

Agent: James A. Crews
Inspector: Richard Campbell
Permit Issued: 05/29/91

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Lincoln ss:

Jerry Wade and Ronald Cooper being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Pennzoil Products Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 31st day of August, 1991, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED		LEFT
			5-3/16	1885	0
Gel	2536	2475	6-5/8	0	1840
Cement	2475	3474			
Gel	2373	1925			
Cement	1925	1823			
Gel	1823	735			
Cement	735	325			
Cement	325	Surface			

NOTE: RIPPED EVERY JOINT OF 6 5/8" FROM 715 TO 275 COULD NOT PULL.

Description of monument: 7" casing extending 30" above surface.

and that the work of plugging and filling said well was completed on the 16th day of September, 1991.

And furthur deponents saith not.

Jerry W. Wade

Ronnie G. Cooper

Sworn and subscribed before me this 27th day of September, 1991

Curtis A. Lucas
Notary Public

My commission expires: 6-7-2000

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
CURTIS A. LUCAS
1004 Race Street
Petersburg, West Virginia 26101

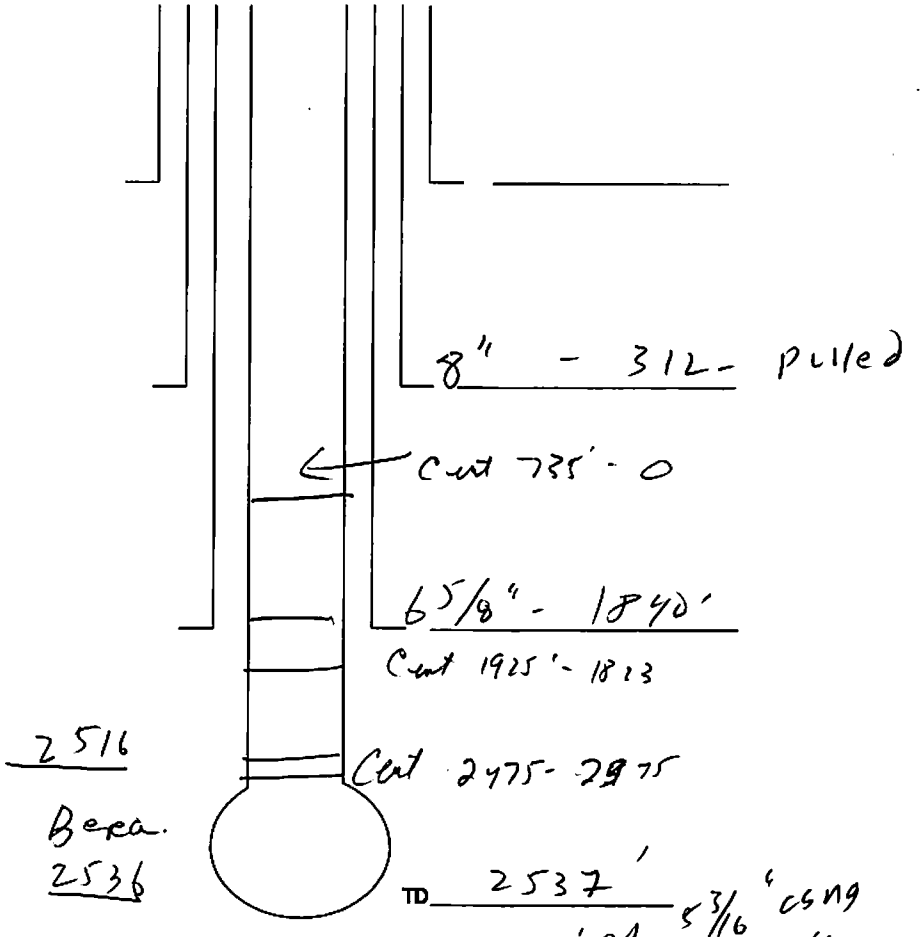
11/5/91

LIN 5-16-91

Thomas Nelson 1

Griffithsville Unit #2 Field

47-043- 02168



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

304

AOR - Well Review Checklist

API Number: 47- 043 - 30703 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 2
Farm Name: Thomas Nelson
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2476'
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,770 Northing: 4,234,113
Elevation: 295
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30703

RECORD of Well No. 2 on Thos. C. Nelson Farm Acres
5 Field, District County
Rig Commenced 19 , Completed 19
Drilling Commenced May 29 1913. Completed July 19 1913
Cost per foot, 1.10 Contractor, Mullen Bros Address, Gauley. W.Va.
Drillers' Names D. H. Thorn, J.M. Bennett & A.A. Miller

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6¼ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4½ Inch
15'						1775'				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6¼ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4½ Inch
15'						1775'				

OIL WELL — GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
7/25/13	80 qts									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		12	12	Ei = 978.95
Red Rock	12	55	43	
Sand	55	65	10	Water 4 Bailers 65'
Red Rock	65	150	85	
Sand	150	285	35?	10" hole 350'
Slate & Shells	285	350	65	
Slate	350	380	30	
Sand	380	500	120	
Slate	500	520	20	
Sand	520	600	80	
Coal	600	603	3	
Sand	603	728	125	
Slate & Shells	728	843	115	Hole full at 1150'
Sand	843	988	145	
Slate	988	1060	72	
Salt Sand	1060	1730	670	
Black Lime	1730	1765	35	
Pencil	1765	1770	5	
Light Lime	1770	1960	190	
Injun	1960	2045	85	Water in Injun
Slate & Shells	2045	2200	155	
Slate	2200	2434	434?	
Brown Shale	2434	2454	20	
Berea Sand	2454	2476	22	

41.043-20

043-307037

FORM OG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

NAME OF WELL OPERATOR: G.,S & H Supply Company

COMPLETE ADDRESS: P.O. Box 325, Tulsa, Oklahoma.

WELL AND LOCATION: April 25, 1940

Duval District

Lincoln County

Well No. 2

Nelson Farm

STATE INSPECTOR SUPERVISING PLUGGING: Dana B. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Wyatt Chapman and Joe Ward being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by G,S & H Supply Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 16 day of April, 1940, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Cement & rock	2120	2110	Per. Bridge.		
	red clay	2110	2330	" "		
	cement & rock	2330	2320	" "		
	cement & rock	2045	2030			
	red clay	2030	1200	" "		
	cement & rock	1200	1105			
	red clay	1105	1030	" "		
	cement & rock	1030	1015	" "		
	cement & rock	250	235			
	red clay	235	0			
					7"-1703'1"	none

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
Cement Block
G,S & H
Nelson #2
4-23-40

RECEIVED APR 29 1940 WEST VIRGINIA DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 23 day of April, 1940

And further deponents saith not.

Wyatt Chapman

Joe Ward

Sworn to and subscribed before me this 25th day of April, 1940.

J R Osborne
Notary Public.

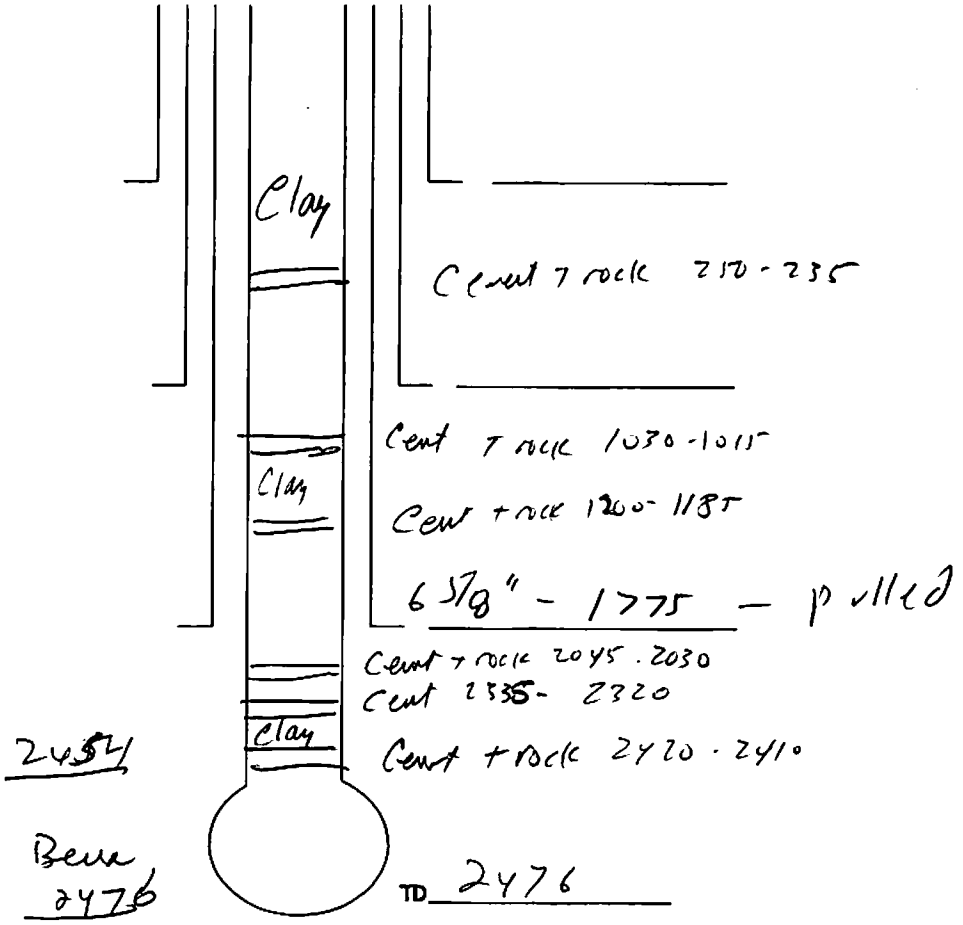
My commission expires: Oct 9 1952

Permit No. 7

Thomas Nelson 2

Griffithsville Unit #2 Field

47-043-30703



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

305

AOR - Well Review Checklist

API Number: 47- 043 - 02169 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: Thomas Nelson

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2354

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,878 Northing: 4,234,257

Elevation: 258

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

N

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-02169

Well No. 3 T. F. Nelson Farm 30 Acres
Lease No. Annual District Lincoln County W. Va. State
Contractor [redacted] Contractor
Drilling Commenced Nov. 17, 1920 Drilling Completed Dec. 18, 1920
N. S. 80-81 E. W. 75

ROCK FORMATION	TOP	BOTTOM	Steel Line Measurement	REMARKS
Conductor		16		El=855.77
Clay		75		
Water	75	80		
Slate	80	700		
Sand	700	735		
Slate	735	760		
Sand	760	375		
Coal	375	380		
Slate	380	470		
7¼" Casing		385		
Sand	470	610		
Slate	610	710		
Sand	710	806		
Slate	806	870		
Slate & Shells	870	1010		
Salt Sand	1010	1584		
Water - Hole Full		1060		
Coal	1584	1594		
Maxton Sand	1594	1614		
Coal	1614	1624		
Black Lime	1624	1648		
Pencil Cave	1648	1653		

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT

PUT IN WELL			PULLED OUT			LEFT IN WELL		
SIZE	FEET	IN.	FEET	IN.		FEET	IN.	

Shot Date
Amount
Sand
Result
Packer Size
Depth Set

Production First 24 Hours.....Bbls. Gas Test.....

Approved by.....Superintendent.

47-043-02169

Well No. 3 T. P. Nelson "Big Run" Farm Acres
Lease No. District County State
Contractor Contractor
Drilling Commenced 192 Drilling Completed 192
N. S. E. W.

ROCK FORMATION	TOP	BOTTOM	Steel Line Measurement	REMARKS
Big Lime	1653	1833		
6 5/8" Casing		1670	1670	
Sand		1711	1711	
Big Injun	1833	1893		
Slate & Shells	1893	2314		
Coffee Shale	2314	2334		
Berea Sand	2334	2344		
Slate	2340	2350		
Total Depth		2354	2354	Drilled thru Berea

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT

	PUT IN WELL		PULLED OUT		LEFT IN WELL	
SIZE	FEET	IN.	FEET	IN.	FEET	IN.
8 1/4"	385	-	385	-		
6 5/8"	1683	-				

Shot Date 12-21-20
Amount 80 qts
Sand Berea
Result Open Flow

Packer Size 6 5/8" Lt. & Lee Wood

Depth Set 1670

Production First 24 Hours 4 Bbls. Gas Test

Approved by A. M. Kinsley Superintendent.

API # 47- 43-02169-P

WR-38
29-May-91

RECEIVED
NOV 19 1991
DEPT. OF ENERGY

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: CLARK, JAMES & ROSIE Operator Well No.:T.F. NELSON #3

LOCATION: Elevation: 853.47 Quadrangle: GARRETTS BEND
District: DUVAL County: LINCOLN
Latitude: 14350 Feet South of 38 Deg. 17 Min. 30 Sec.
Longitude 6300 Feet West of 81 Deg. 55 Min. 0 Sec.

Well Type: OIL X GAS ____

Company: Pennzoil Products Company
P.O. Box 5519
Vienna, WV 26105

Agent: James A. Crews
Inspector: Richard Campbell
Permit Issued: 05/29/91

Coal Operator or Owner ____

Coal Operator or Owner ____

AFFIDAVIT

STATE OF WEST VIRGINIA, ss:
County of Lincoln

Jerry W. Wade and Ronnie G. Cooper being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Pennzoil Products Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 25th day of September, 1991, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Gel	2350	2276		
Cement	2276	2174	6 5/8 417	1266
Gel	2174	1725		
Cement	1725	1623		
Gel	1623	727		
Cement	727	615		
Gel	615	380		
Cement	380	280		
Gel	280	50		
Cement	50	Surface		

Description of monument: 1 Joint 6 5/8" casing extending 30" above surface

and that the work of plugging and filling said well was completed on the 2nd day of October, 1991.

And furthur deponents saith not.

Jerry Wade
Ronnie G. Cooper

Sworn and subscribed before me this 15th day of November, 1991

My commission expires: June 7, 2000

Curtis A. Lucas
Notary Public

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
CURTIS A. LUCAS
1604 Race Street
Parkersburg, West Virginia 26101
My Commission Expires June 7, 2000

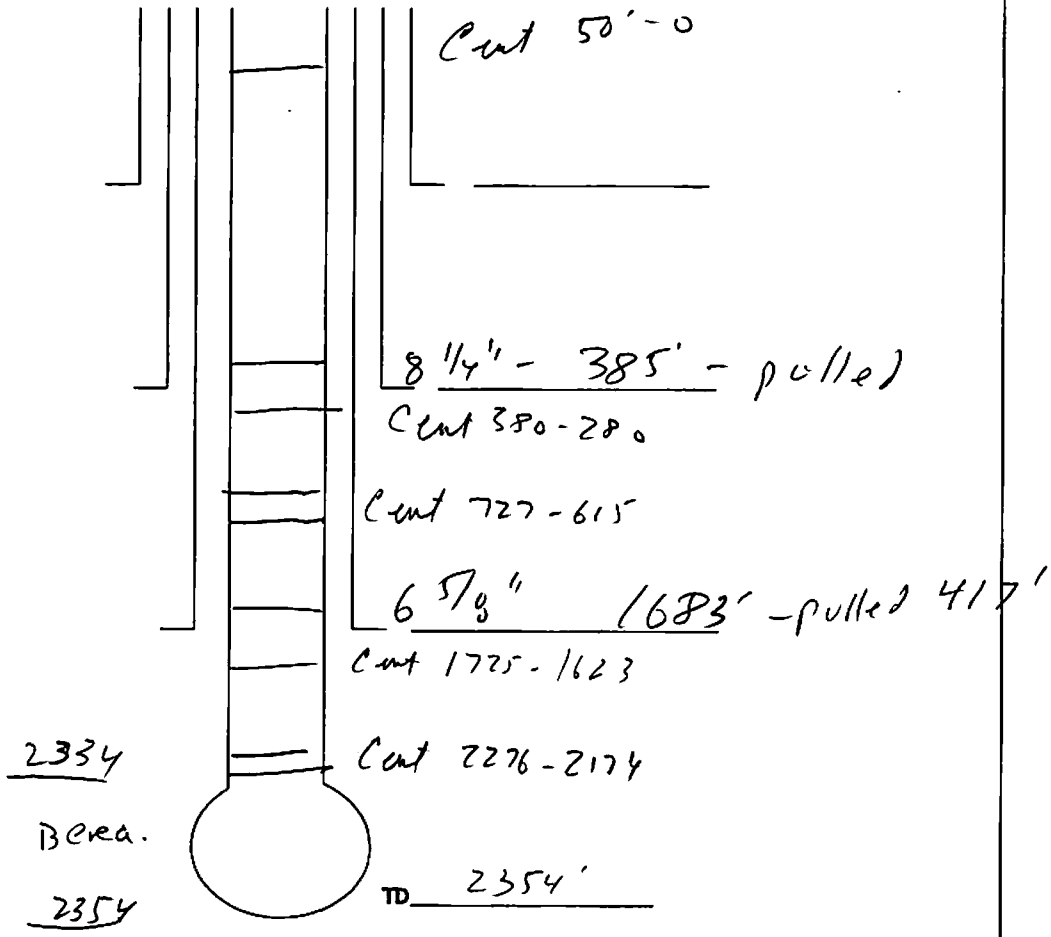
11/20/91

4702169P

Thomas Nelson #3

Griffithsville Unit #2 Field

47-043- 02169



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30845 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 1

Farm Name: AP Oxley

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☑ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2320

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,947 Northing: 4,230,422

Elevation: 259

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30845

RECORD of Well No. 1 on L. P. Utley Farm Acres 41 1/4

Field, Ennis District Sheridan County,

Rig Commenced 19 Completed 19

Drilling Commenced Oct 28 1969. Completed Nov 17 1969

Cost per foot, 11¢ Contractor, Lightner & Lightner Address, Bridgeport

Drillers' Names, Bartlett and Bill Scully

CONDUCTOR AND CASING USED IN DRILLING.

	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6⅛ Inch	5⅝ Inch	5 3-16 Inch	4½ Inch
Conductor										
16			355'			1645'				

CONDUCTOR AND CASING LEFT IN WELL.

	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6⅛ Inch	5⅝ Inch	5 3-16 Inch	4½ Inch
Conductor										
						1645'				

OIL WELL — GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
11/13/69	1 Qt.								

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Sand	20	350	330	Gas at 1100
Hard	350	390	10	
Coal	390	394	4	
Sand & Lime	394	700	306 +6	
Hard	700	770	70	Water at 730 - 4 bailers
Lime	770	1000	230	
Salt Sand	1000	1360	360	Big Water 1010
Hard & Shells	1360	1385	25	
Lime	1385	1615	30	
Coal	1615	1630	15	
Big Lime	1630	1805	175	
Shale	1805	1895	90	
Hard & Shells	1895	1950	55	
Brown Sand	1950	2015	65	
Hard & Shells	2015	2290	175	
Brown Lime	2290	2303	13	Oil at 2305
Sand	2303	2320	17	

FORM 69-B

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30845

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

West Virginia Pipe Project
NAME OF WELL OPERATOR
Box 2452, Tulsa, Oklahoma
COMPLETE ADDRESS
October 17, 1949 19
WELL AND LOCATION
Duval District
Lincoln County
Well No. 1
A. P. Oxley Farm
Dana E. Lawson

STATE INSPECTOR SUPERVISING PLUGGING

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Odis Parsons and S. S. Stephens being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by West Virginia Pipe Project well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 5th day of October, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Pulled tubing. Set bridge at 2283' (20' above Berea) 2 sacks neat cement and 5' crushed stone, clay to 2183', cement to 2173'. Set bridge at 1695' (bottom of Big Injun) 2 sacks neat cement and 5' crushed stone. Pulled 5-3/16" casing. Clay to 1675' (30' below 6-5/8" casing) 2 sacks neat cement and 5' crushed stone, sealing hole completely below 6-5/8" casing. Pulled 6-5/8" casing as balance of hole was plugged and filled. Set bridge at 1100'. (in Salt Sand) 2 sacks neat cement and 5' crushed stone, clay to 980'. (20' above Salt Sand) cement to 970'. Set bridge at 250', 2 sacks neat cement and 5' crushed stone, clay to surface and erected monument.					1693' of 5-3/16" 1645' of 6-5/8"	

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
12" x 12" x 30"

and that the work of plugging and filling said well was completed on the 6th day of October, 1949.

And further deponents saith not.

Odis Parsons
S. S. Stephens Jr.

Sworn to and subscribed before me this 20th day of October, 1949.

J R Osborne
Notary Public.

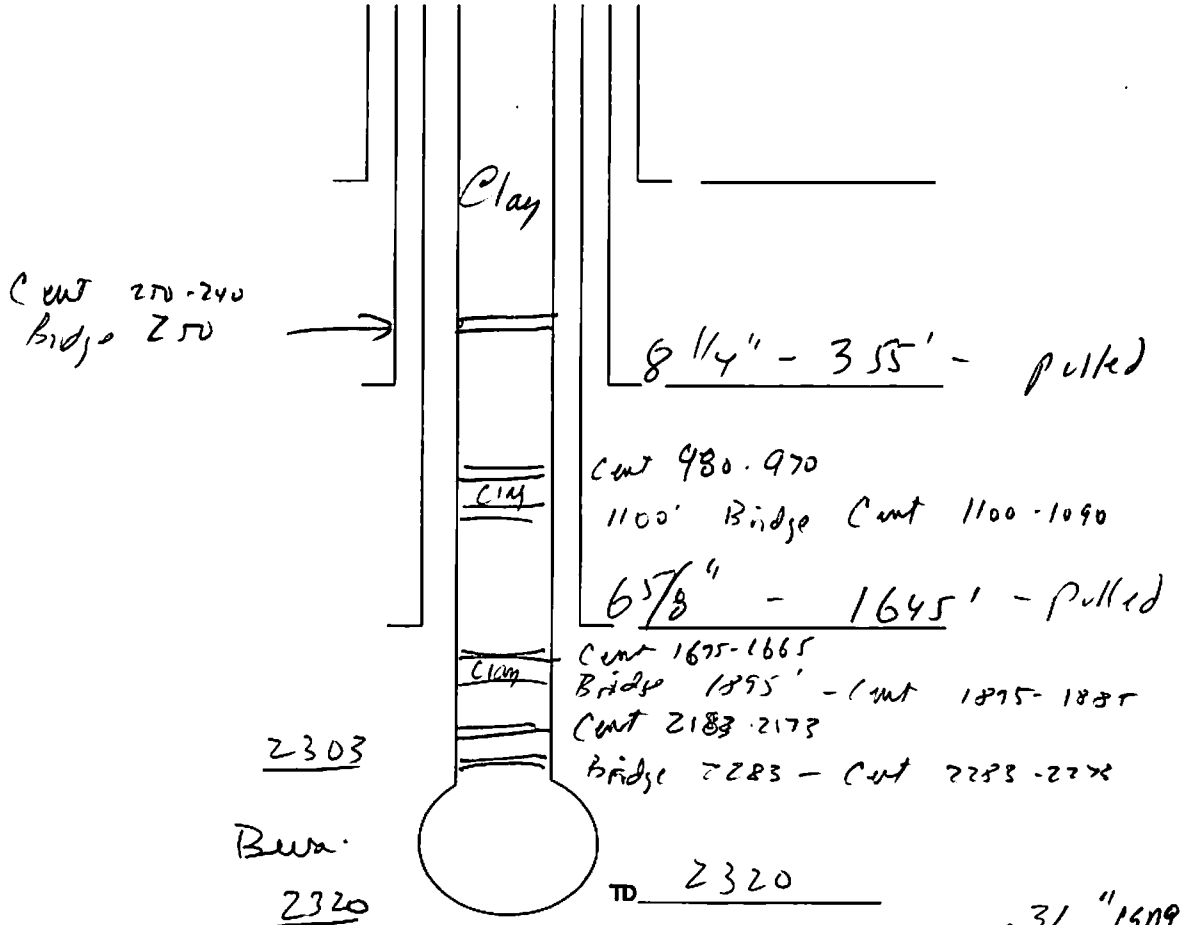
My commission expires:
10-9-57

Permit No. LN-345

AP Oxley #1

Griffithsville Unit #2 Field

47-043- 30845



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30401 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 2

Farm Name: AP Oxley

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2222

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,705 Northing: 4,230,296

Elevation: 239

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT: _____	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: _____ Signature: _____

Date Reviewed: _____

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30401

RECORD of Well No. 2 on C. P. Utley Farm ... Acres ... ✓

... Field, ... District ... County, ...

... Commenced ... 19 . Completed ... 19.

Drilling Commenced Dec 14 1910. Completed Mch 23 1910

Cost per foot, 1.15 Contractor, Kentucky Fuel Co. Address, Kenova, W. Va.

Drillers' Names, W. L. Gallagher & C. H. Harris

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6⅝ inch	6¼ inch	6⅛ inch	5 3/16 inch	4¼ inch
16				300		1335				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6⅝ inch	6¼ inch	6⅛ inch	5 3/16 inch	4¼ inch
16						1634				

OIL WELL **GAS WELL**

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
3/30	80	22 Shot	4½	13	1320					

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil & Clay		16	16	
Sand	16	50	34	
Slate	50	100	50	
Sand	100	120	20	
Slate	120	160	40	
Sand	160	180	20	
Coal	180	185	5	
Slate	185	205	20	
Sand	205	235	30	
Slate	235	255	20	
Sand	255	280	25	
Coal	280	285	5	
Slate & Sand	285	710	425	
Slate	710	800	90	
Coarse Sand	800	1460	660	First flow of water at 890
Slate	1460	1480	20	
Little Lime	1480	1515	35	
Pencil Cave	1515	1520	5	
Big Lime	1520	1710	190	
Big Injun	1710	1790	80	
Slate	1790	1870	80	
Keener Sand	1870	1910	90	
Slate & Shells	1910	2182	272	
Berea Shale	2182	2202	20	"ABANDONED"
Berea Sand	2202	2220	18	MAR. 16, 1944
Shale	2220	2222	2	

47.043 - 3040

FORM 03-0

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

(NO COMMERCIAL COAL) ?
COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

Denver McClure,
LEASE OR PROPERTY OWNER

Yawkey, W. Va.
ADDRESS

SOUTH PENN NATURAL GAS COMPANY.
NAME OF WELL OPERATOR

Union Trust Building, Parkersburg, W. Va.
COMPLETE ADDRESS

March 16 1944
WELL AND LOCATION

Duval District

Lincoln County

Well No. 2

A. P. Oxley Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Arlie Satterfield and C. M. Satterfield being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by South Penn Natural Gas Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 9th day of February, 1944, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Berea	Clay	2222	2182	7" Steel Casing	269	1266
	Cement	2182	2172			
Big Injun & Big Lime	Bridge		1820			
	Clay	1820	1545			
	Cement	1545	1535			
Little Lime, Salt Sand	In attempting to pull 7" casing, it collapsed at 285'. Were unable to get any tool below this depth. Department of Mines authorized completion of abandonment as follows:					
	Wood Plug	285	282			
	Cement	282	272			
	Cement	272	262			
	Clay	262	215			
	Clay	160	To Surface			

COAL SEAMS				DESCRIPTION OF MONUMENT
(casing)	Cement	282	262	6-5/8" Casing extending 3' above
(casing)	Cement	215	160	Surface, set in Concrete and with
(casing)				the Inscription (S.P.N.G.Co. --
(casing)				A.P.Oxley #2 2-28-44)

and that the work of plugging and filling said well was completed on the 28th day of February, 1944.

And further deponents saith not.

Arlie Satterfield
C. M. Satterfield

Sworn to and subscribed before me this 11 day of March, 1944.

Notary Public.

My commission expires: Dec. 7 1947

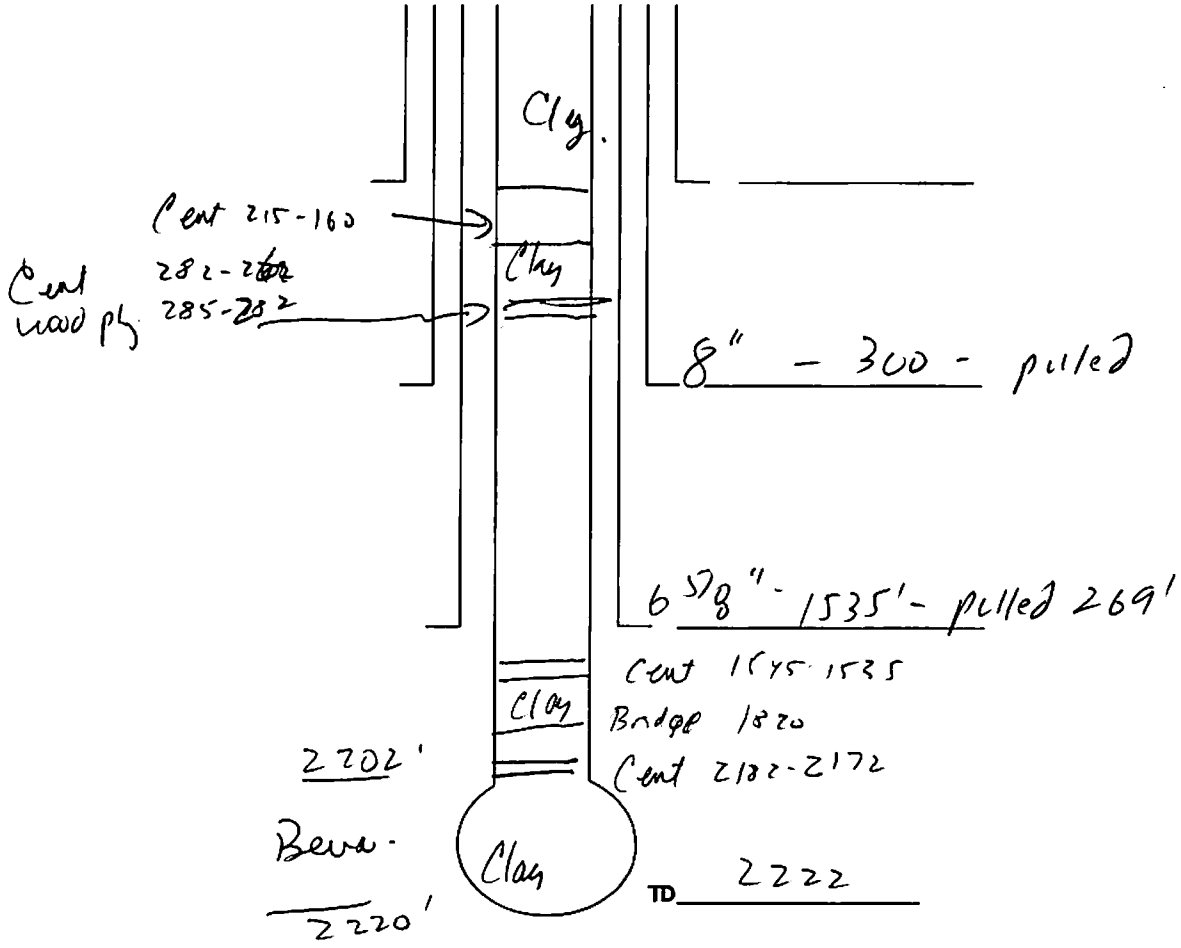
Permit No. LIN-401

(Seal) Lincoln County, Huntington, W. Va.

AP Dxlg 2

Griffithsville Unit #2 Field

47-043- 30401



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30028 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 3
Farm Name: AP Oxley
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well:
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,530 Northing: 4,230,321
Elevation: 271'
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30020

Record of Well No. 3 on A. P. Otley Farm Acres Unknown

Well Field, Dowell District Wilcoe County, Lin.

Rig Commenced ..... 19.. Completed ..... 19..

Drilling Commenced Dec 9 1909. Completed Feb 14 1910

Cost per foot, 1.00 Contractor, Wm Bruce & Wm Bruce Address, Parkersburg W.Va.

Drillers' Names, Frank Toney & C.A. Kelly.

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅝ inch	6⅝ inch	6¼ inch	5⅝ inch	5 3/16 inch	4½ inch
		16	290			1638 - Pulled 1535'				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅝ inch	6⅝ inch	6¼ inch	5⅝ inch	5 3/16 inch	4½ inch
		16				103				

OIL WELL **GAS WELL**

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
2/11/10	60	2nd 2 Hrs 70 gals								

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Sand	20	135	115	Water 125' - 8 barrels
Lime	135	152	17	
Sand	152	385	233	
Pencil	385	390	5	
Sand	390	445	55	4 barrels water
Sand & Shells	445	940	495	
Top Salt Sand	940	1560	620	Water, hole full 990
Little Lime	1560	1605	45	
Pencil Cave	1605	1615	10	
Big Lime	1615	1792	177	6⅝ Casing 1638
Keener Sand	1792	1835	43	
Slate & Shell	1835	2305	470	
Brown Shale	2305	2321	16	
Brown Sand	2321	2336	15	Oil 2322

"Abandoned"
7-31-21

Form G-8

AFFIDAVIT IN TRIPLICATE TO TIME AND MANNER OF PLUGGING AND FILLING WELL

(REQUIRED BY SECTION 9, CHAPTER 86, ACTS 1929)

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS SECTION

47-043-30028

WELL RECORD OF THIS WELL SHOWED NO COAL
COAL OPERATOR

ADDRESS

COAL OPERATOR

ADDRESS

COAL OPERATOR

ADDRESS

SOUTH PENN OIL COMPANY
NAME OF WELL OPERATOR

P. O. Drawer 1255, Pittsburgh, Pa.
COMPLETE ADDRESS

August 25, 1931

WELL AND LOCATION

Duval District

Lincoln County

Well No. 3

A. P. Oxley Farm

AFFIDAVIT TO BE MADE IN TRIPLICATE, ONE COPY TO BE MAILED BY REGISTERED MAIL TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) TO BE MAILED TO EACH COAL OPERATOR ABOVE NAMED AT THEIR RESPECTIVE ADDRESSES.

AFFIDAVIT

STATE OF WEST VIRGINIA, } ss:

COUNTY OF Lincoln

A. H. Anshutz

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by SOUTH PENN OIL COMPANY, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 16th day of July, 1931, and that the well was plugged and filled in the following manner:

Manner in which sand was plugged: Total depth 2536'; drove a 6 5/8" Round Seasoned Tappered Wood Plug in top of liner 1911'; filled with clay 1911-1861'; filled with rock 1861'-1851'; cement plug 1851-1835'; filled with clay 1835-1692'; filled with rock 1692'-1682'; filled with iron 1682'-1680'; and tamped down with tools; put in 150# Lead Wool 1680-1678'; tamped down with tools; fire tested 24 hrs. later and would not light, or no gas; cut 6 5/8" casing 1535'; pulled 1535' of 6 5/8" casing; drove a 8¼" x 3' Round Seasoned Tappered Wood Plug in top casing 1535'; filled with clay 1535-940'; cement plug

Manner in which coal was plugged:

940'-930'; filled with clay 930'-16'; filled with rock 16'-8';

Description of monument: Put in 8¼" casing, left extending 3' above surface; filled with cement, inscribed on monument, South Penn Oil Company, A. P. Oxley #3. Abd. July 31st, 1931.

(THE ABOVE DESCRIPTIONS MUST BE IN DETAIL AND IN ACCORDANCE WITH THE PROVISIONS OF SECTION 10, OIL AND GAS ACT OF 1929.)

and that the work of plugging and filling said well was completed on the 31st. day of July, 1931.

And further deponents saith not.

A. H. Anshutz

Sworn to and subscribed before me this 28 day of Sept, 1931.

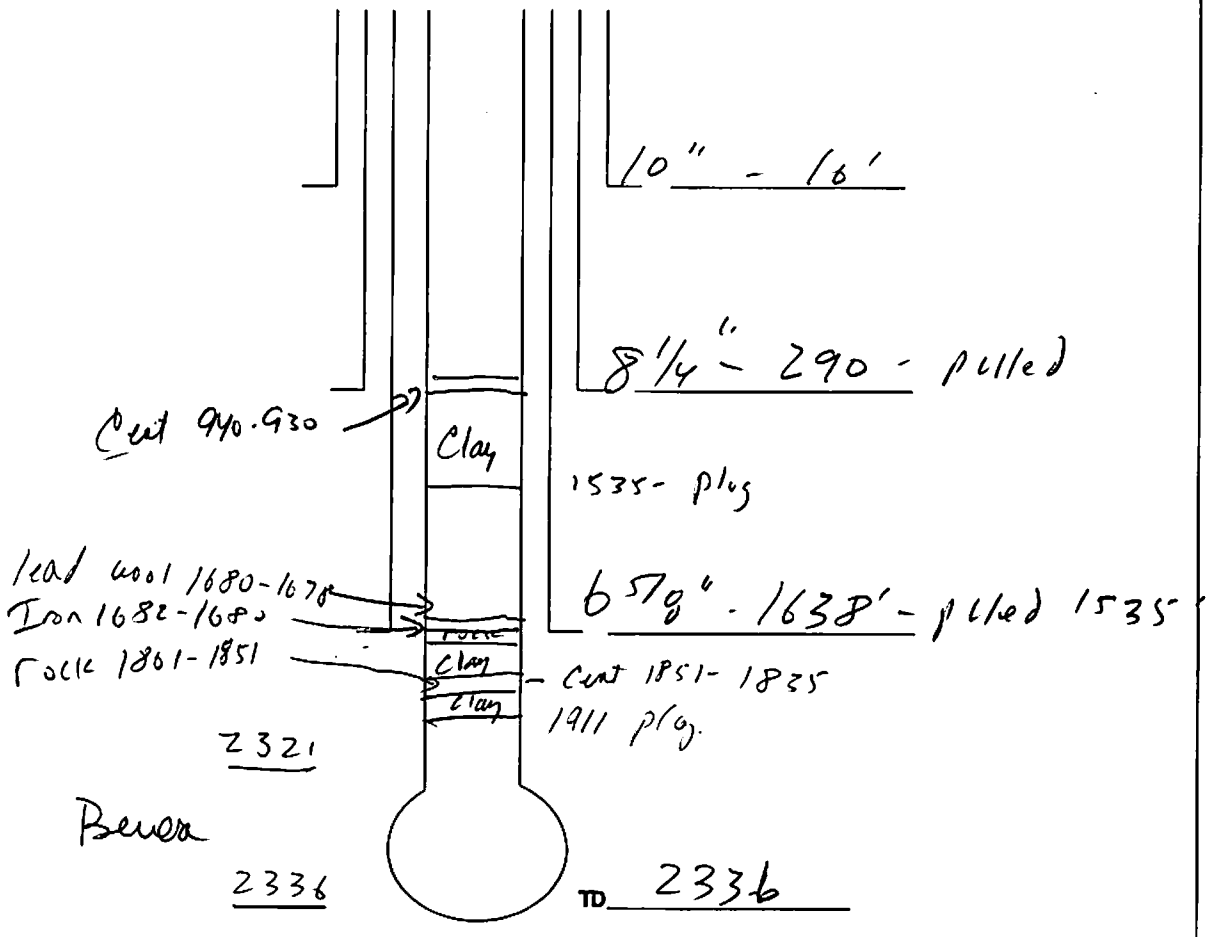
H. J. Shepard
Notary Public.

My Commission expires:
Jan 6 - 1939

AP Dxly 3

Griffithsville Unit #2 Field

47-043-3002 8



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

309

AOR - Well Review Checklist

API Number: 47- 043 - 30846 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 4

Farm Name: AP Oxley

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2473

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,517 Northing: 4,230,158

Elevation: 303'

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-045-30846

RECORD of Well No. 11 on [illegible] Farm [illegible] Acres [illegible]

[illegible] Field, [illegible] District [illegible] County, [illegible]

Rig Commenced [illegible] 19.., Completed [illegible] 19..

Drilling Commenced [illegible] 11 1910, Completed [illegible] 1910

Cost per foot, 11 Contractor, [illegible] Address, [illegible]

Drillers' Names, [illegible]

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅛ inch	6⅝ inch	6¼ inch	5⅝ inch	5 3-16 inch	4¼ inch
16						1780				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅛ inch	6⅝ inch	6¼ inch	5⅝ inch	5 3-16 inch	4¼ inch
16						1780				

OIL WELL **GAS WELL**

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
[illegible]		16	16	
[illegible]	16	116	100	
[illegible]	116	141	25	
[illegible]	141	245	104	
[illegible]	245	345	100	
[illegible]	345	400	55	
[illegible]	400	405	5	
[illegible]	405	770	365	515' 10" [illegible]
[illegible]	770	1010	40	
[illegible]	1010	1665	655	[illegible] at 1110
[illegible]	1665	1675	10	
[illegible]	1675	1685	10	
[illegible]	1685	1715	30	
[illegible]	1715	1770	55	
[illegible]	1770	1775	5	
[illegible]	1775	1955	180	
[illegible]	1955	2030	75	
[illegible]	2030	2110	80	
[illegible]	2110	2260	150	
[illegible]	2260	2435	175	
[illegible]	2435	2455	20	
[illegible]	2455	2473	18	
[illegible]	2473	2475	2	

47.043-

47-043-30846

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER — ADDRESS

COAL OPERATOR OR OWNER — ADDRESS

LAND OR PROPERTY OWNER — ADDRESS

West Virginia Pipe Project
NAME OF WELL OPERATOR
Box 2462, Tulsa, Oklahoma
COMPLETE ADDRESS

October 17, 1949 19

WELL AND LOCATION

Duval District
Lincoln County
Well No. 4
A. P. Oxley Farm
Dana E. Lawson

STATE INSPECTOR SUPERVISING PLUGGING

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Otis Parsons and S. S. Stephens being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by West Virginia Pipe Project well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 8th day of October, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Pulled tubing. Set bridge at 2435' (20' above Berea) 2 sacks neat cement and 5' crushed stone, clay to 2335', cement to 2325'. Set bridge at 2045' (bottom of Big Injun) 2 sacks neat cement and 5' crushed stone, Pulled 5-3/16" casing. Clay to 1810' (30' below 6-5/8" casing, 2 sacks neat cement and 5' crushed stone, sealing hole completely below 6-5/8" casing. Pulled 6-5/8" casing as balance of hole was plugged and filled. Set bridge at 1100' (in Salt Sand) 2 sacks neat cement and 5' crushed stone, clay to 990', (20' above Salt Sand) cement to 980', Set bridge at 250', 2 sacks neat cement and 5' crushed stone, clay to surface and erected monument.					1641' of 5-3/16" 1780' of 6-5/8"	

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	12" x 12" x 30"
(NAME)	
(NAME)	
(NAME)	

OCT 19 19

and that the work of plugging and filling said well was completed on the 13th day of October, 1949.

And further deponents saith not.

Otis Parsons
S. S. Stephens Jr

Sworn to and subscribed before me this 20th day of October, 1949

J R Osborne
Notary Public.

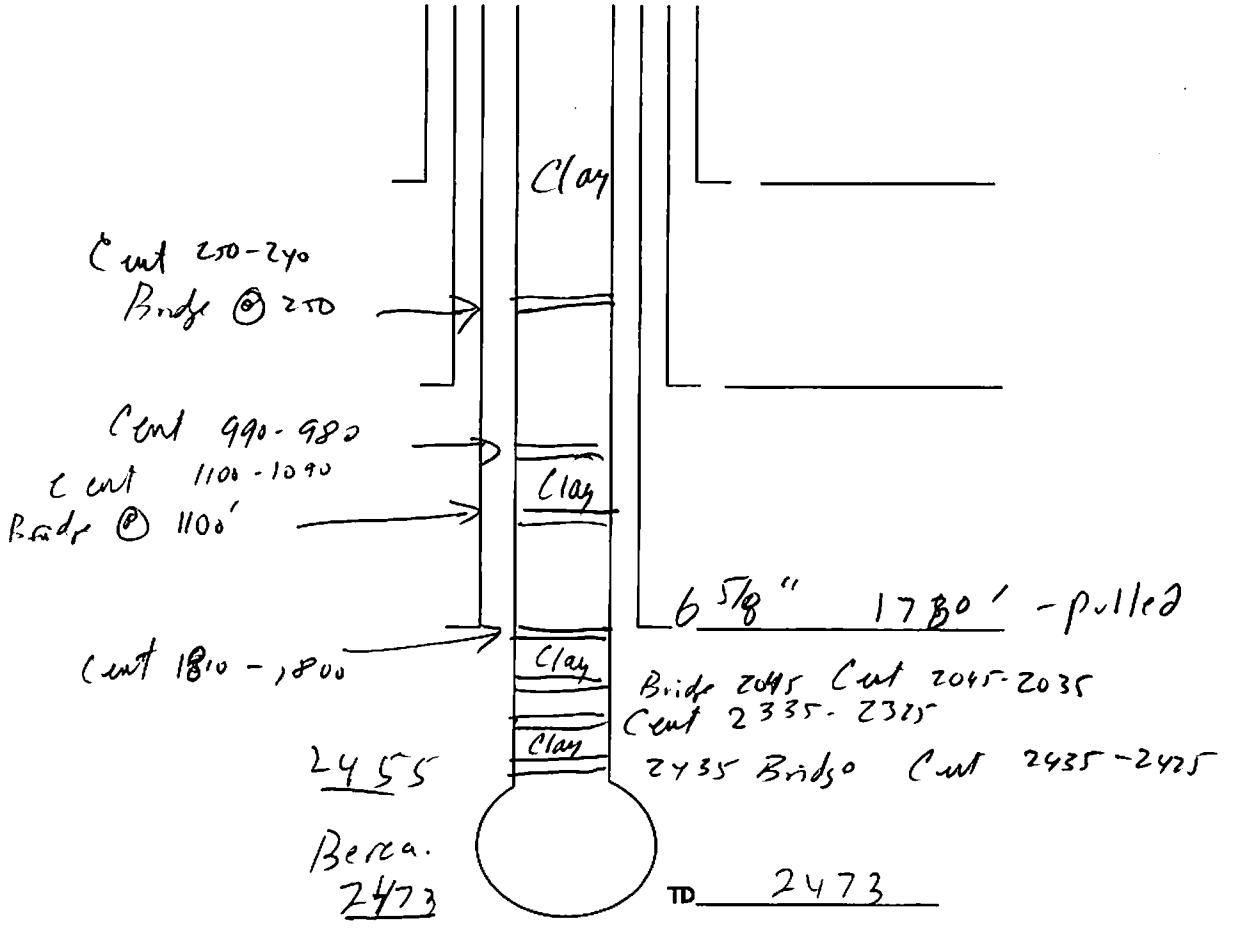
Permit No. LIN-846

My commission expires:
10-9-57

AP Oxley

Griffithsville Unit #2 Field

47-043- 30846



Pulled 1841 ft 5 3/16 csng

From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(310)

AOR - Well Review Checklist

API Number: 47- 043 - 70262 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 5

Farm Name: A P Oxley

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well:

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,552 Northing: 14,229,921

Elevation: 373

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Need WR 38 + Cogle WR 35

N/A

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

Record of Well No. 5 on A. P. Worley Farm Acres

Field, District County,

Commenced 19 , Completed 19

Drilling Commenced June 23 1910, Completed Aug 22 1910

Cost per foot, 1.15 Contractor, Lindsey & Thomas Drlg Co. Address, Houston, Wise Co

Drillers' Names, W. R. Allen & Chas Lowe

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅛ inch	6⅝ inch Pulled 1785	6¼ inch	5⅛ inch	5 3-16 inch	4½ inch
16										

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅛ inch	6⅝ inch Pulled 1785	6¼ inch	5⅛ inch	5 3-16 inch	4½ inch
16										

OIL WELL

When Shot	Size of Torpedo	1st Day's Production
8/27/10	60 qts.	

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

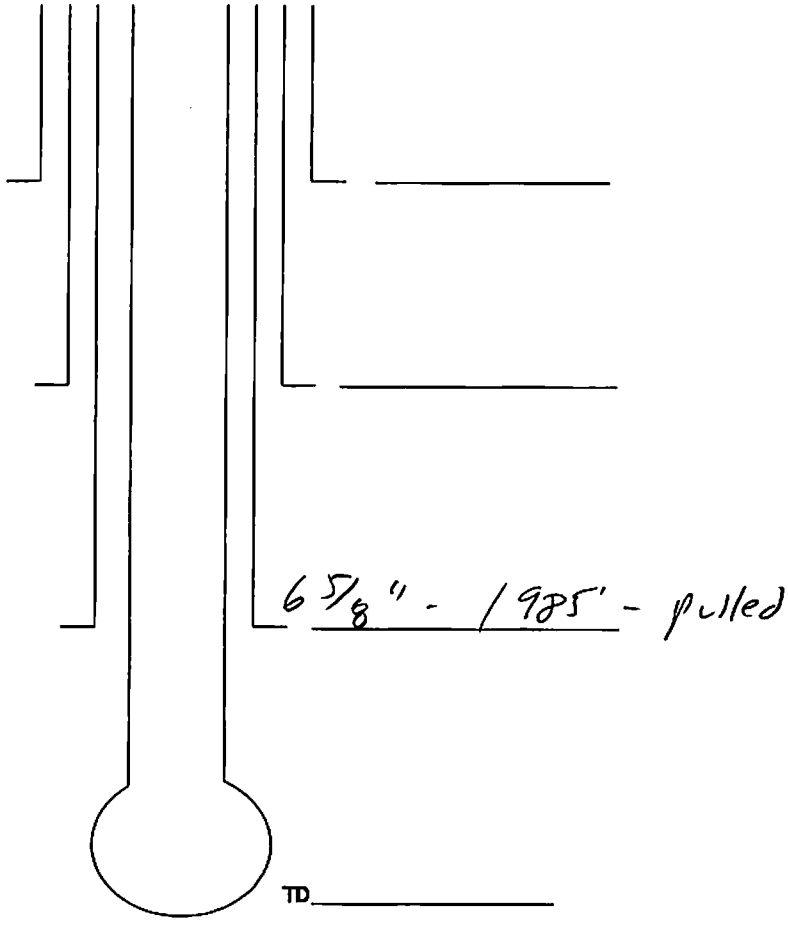
FORMATION	Tubing TOP	Rods BOTTOM	THICKNESS	REMARKS
Surface		12	12	
Red Rock	12	60	48	
Sand	60	80	20	
Shale	80	130	50	
Sand	130	155	25	
Shale	155	195	40	
Sand	195	245	50	
Shale	245	335	90	
Sand	335	365	30	
Shale	365	410	45	
Sand	410	460	50	
Shale	460	520	60	
Sand	520	560	40	
Shale	560	565	5	
Sand & Lime	565	1185	620	610 ft of 10" Hole
Shale	1185	1200	15	
Sand & Lime	1200	1880	680	
Shale	1880	1885	5	Hole full of Water at 1340
Red Rock	1885	1895	10	
Sand	1895	1905	10	
Shale	1905	1935	30	
Sand Lime	1935	1972	37	
Blue Lime	1972	1975	3	
Shale Sand	1975	2165	190	
Blue Lime	2165	2245	80	
Shale	2245	2300	55	

MAY 6. 1920

A P Oxley 5

Griffithsville Unit #2 Field

47-043- 70262



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

311

AOR - Well Review Checklist

API Number: 47- 043 -
Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 6
Farm Name: ATP Oxley
Field Name: Griffithsville Unit #2
Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well:
Completion Zones: Berea.
Perforated Interval:

Well Location (UTM NAD83)
Coordinates Match?: No ☐ Yes ☐
Easting: 417,631
Northing: 4,229,773
Elevation: 375
Inside Field Boundary? ☒
Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

need WR 38 + WR 35 - NA
possible well.

Reviewer Name:
Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

WVDEP OOG Internal Use Only
Rev. 6/14/16

(312)

AOR - Well Review Checklist

API Number: 47- 043 - 02170 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 1
Farm Name: B S Oxley
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2536
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,437 Northing: 4,233,524.3
Elevation: 316
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

41-043-02170

RECORD of Well No. 1 on Wm Clay Farm Acres Unknown

Mills Field, Dunbar District Pleasant County, W. Va.

Rig Commenced ..... 19.. , Completed ..... 19.....

Drilling Commenced July 12 1910., Completed Aug 23 1910

Cost per foot, 11¢ Contractor, Wm Burtner & Co. Address, Parkersburg W. Va.

Drillers' Names, Edwin Wilson & John Donaldson

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6⅝ Inch	6¼ Inch	5¾ Inch	5 3-16 Inch	4½ Inch
11e						1847				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6⅝ Inch	6¼ Inch	5¾ Inch	5 3-16 Inch	4½ Inch
						1847				

OIL WELL **GAS WELL**

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
8/24/10	90qts	2nd Shot	6½	1400 qts.						

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Red Rock		10	10	
Sand	10	150	140	
Sand	150	320	170	
Coal	320	330	5 +	
Slate & Shells	330	465	135	Hole damp at 370
Lime & Shells	465	620	155	
Sand & Shells	620	847	227	
Sand	847	1130	283	
Slate	1130	1170	40	
Big Injun	1170	1800	630	Water little gas 1195
Slate	1800	1805	5	
Little Lime	1805	1830	25	Gas at 1956
Pencil Slate	1830	1836	6	
Big Lime	1836	2036	190 + 100	
Red Rock	2036	2110	74	
Slate	2110	2195	85	
Keener Sand	2195	2270	75	
Slate	2270	2363	213	
Brown Shale	2363	2513	10	
Berea Sand	2513	2536	23	Oil at 2515

47-043-02170

WR-38
Rev. 5/08

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS

47-043-02170

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm Name: B.S. Oxley
Location: Elevation: 1039'
District: Duval
Latitude: _____ Feet South of: _____ Deg. _____ Min. _____ Sec.
Longitude: _____ Feet West of: _____ Deg. _____ Min. _____ Sec.

Operator Well No.: No.1
Quadrangle: Griffithsville 7.5'
County: Lincoln

Well Type: Oil X Gas _____ WIW _____

Company: East Resources Inc.
P.O. Box 5519
Vienna, WV 26105
Agent: Phillip S. Ondrusek

Coal Operator or Owner: NA

Coal Operator or Owner: _____

Permit Issued: 5/9/10

AFFIDAVIT

State of West Virginia, County of Wood ss:

Mark Miller and Paul Stevens being first duly sworn according to law, depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 2nd day of June, 20 10 and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED		LEFT
Cement	2502'	2400'	6 5/8"	0'	1847'
Cement	2023'	1800'	5 1/2"	1847'	0'
Cement	1151'	1050'			
Cement	559'	450'			
Cement	112'	0'			
		Perforated 6 5/8" Casing 4 Shots 1103' - 1097', 503' - 497' &			
		101' - 97'			
6% Gel Between Cement Plugs					

Description of monument: 5 1/2" x 7" and that the work of plugging and filling said well was completed on the 22nd day of June, 20 10

And further deponents saith not.

Mark Miller
Roger McGovern

Sworn and subscribed before me this 13 day of July, 20 10

My commission expires: Nov. 12, 2018

Notary Public

Affidavit reviewed by the Office of Oil and Gas: Ralph D. Triplett

Title: District Inspector

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
TINA L. PETHTEL
East Resources, Inc
P. O. Box 5519
Vienna, West Virginia 26105
My Commission Expires Nov. 12, 2018

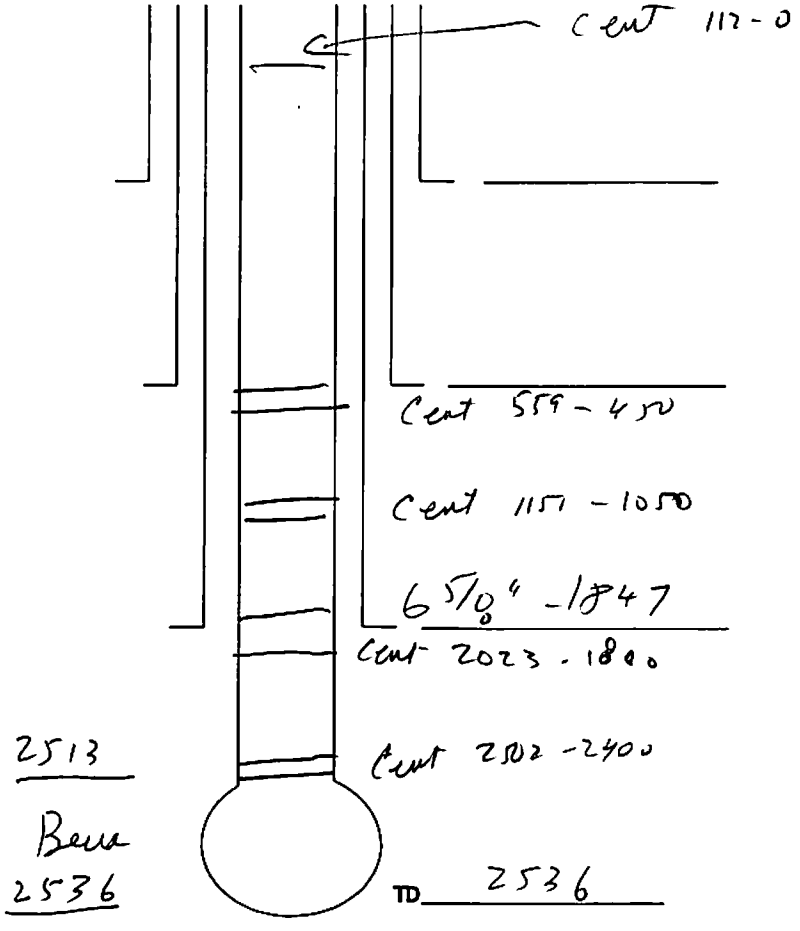
RECEIVED
Office of Oil & Gas
JUL 14 2010
WV Department of
Environmental Protection

07/30/20

BS Oxly #1

Griffithsville Unit #2 Field

47-043- 02170



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

313

AOR - Well Review Checklist

API Number: 47- 043 - 31303 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 2
Farm Name: BS Oxley
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2336
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,982 Northing: 4233,478
Elevation: 254
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

WR 38 NA.

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-31002

RECORD of Well No. 2 on B. J. Ogg Farm ..... Acres .....

Field, ... District ..... County .....

Rig Commenced ..... 19..., Completed 19

Drilling Commenced Aug. 18 1913, Completed Dec. 12 1913

Cost per foot, 1.10 Contractor, Wiley Bros. Address, Harrisville W.Va.

Drillers' Names Lee Wiley, John Wiley, A. Smithson.

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¼ Inch	6¼ Inch	6¼ Inch	5¼ Inch	5 3-16-Inch	4¼ Inch
10				2480		1640				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¼ Inch	6¼ Inch	6¼ Inch	5¼ Inch	5 3-16 Inch	4¼ Inch
10						1640				

OIL WELL — GAS WELL

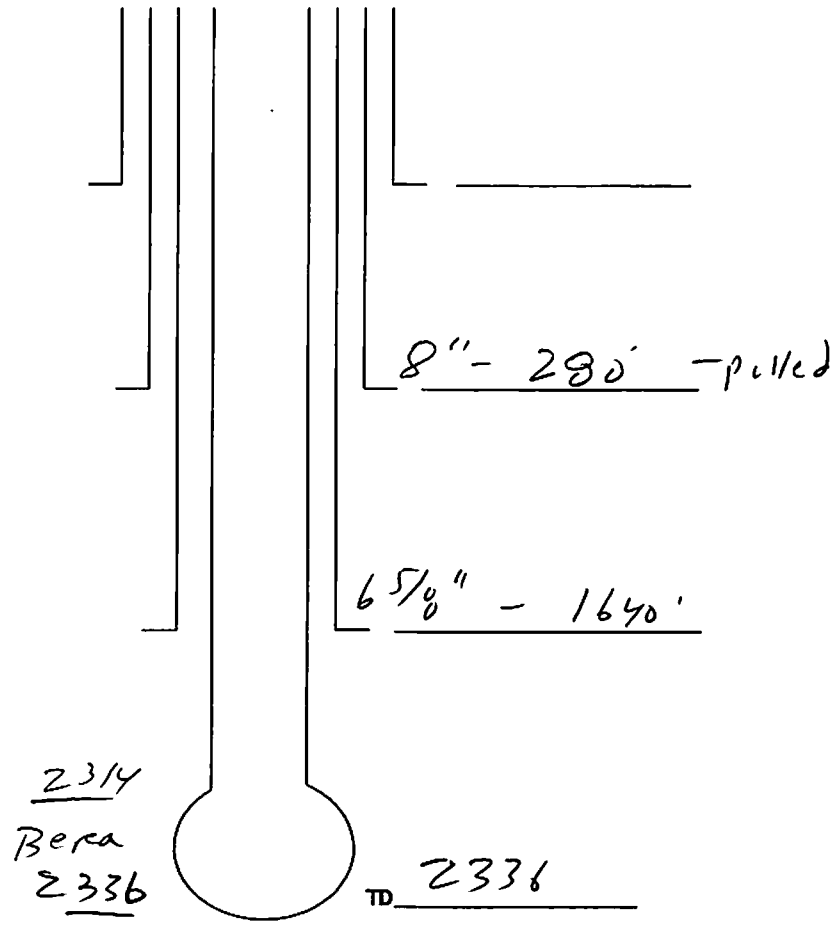
When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
12/17/13	80 qts.									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		8	8	Hole filled up from
Sand	8	80	72	Salt sand at 1990
Slate	80	95	15	
Sand	95	160	65	EI-6?0
Slate	160	200	40	
Sand	200	230	30	
Slate	230	250	20	
Sand	250	270	20	
Coal	270	275	5	
U. Pitt Lime	275	305	30	
Sand	305	350	45	
Slate	350	390	40	
Sand	390	470	80	
Slate & Shells	470	480	10	
Sand	480	570	90	
Slate	570	630	60	
Sand	630	780	150	
Slate & Shells	780	920	140	
Big Sand	920	1595	675	
Black Lime	1595	1630	35	
Coal	1630	1635	5	
Light Lime	1635	1815	180	
Keener Sand	1815	1885	70	
Slate. Shale	1885	2296	411	
Brown Shale	2296	2314	18	
Berea Sand	2314	2336	22	

B S 0x14 2

Griffithsville Unit #2 Field

47-043- 31303



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(314)

AOR - Well Review Checklist

API Number: 47- 043 - 30756 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 1

Farm Name: Leonard Oxley

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2499

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415,375 Northing: 4,233,472

Elevation: 307

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043 - 30156

RECORD of Well No. 1 on Leonard Utley Farm Acres 22 Gas Wells
Field, Lucas District Lawrence County
Drilling Commenced 19 Completed 19
Drilling Commenced July 6 1907. Completed Aug 23 1907
Cost per foot 15¢ Contractor, Hazlett Bros Address, Steubenville O.
Drillers' Names, Wm Lucas E. H. Hupp

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	6 inch	7⅝ inch	6⅝ inch	6¼ inch	5⅝ inch	5 3/16 inch	4½ inch
14'						1780				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	6 inch	7⅝ inch	6⅝ inch	6¼ inch	5⅝ inch	5 3/16 inch	4½ inch
14'						1780				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
8/21/07	40 qts	2nd Shot 3/24/14	120 ft.	

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Alluvium		19	19	
Sand	19	160	141	Reamed from 10" hole to 8" hole at 375'
Coal	160	175	15	
Slate	175	235	60	
Coal	235	285	50	
Slate	285	310	25	
Sand	310	400	90	Stations unknown last
Slate	400	470	70	Sand at 475 ft Salt
Sand	470	495	25	Salt Sand at 1215 ft
Slate	495	515	20	
Coal	515	540	25	Gas at Pipe at 1847
Slate	540	600	60	or 117' at Casing
Sand	600	675	75	
Slate	675	725	50	
Salt Sand	725	800	75	
Sand	800	910	110	
Slate	910	950	40	
Sand	950	1040	90	
Slate	1040	1050	40	
Salt Sand	1150	1740	590	
Little Lime	1740	1775	35	
Pencil Cave	1775	1780	5	
Big Lime	1780	1940	160	
Keener	1940	1995	55	
Big Injun	1995	2474	479	
Coffee Sand	2474	2499	25	

47-043-30[illegible]
307567

FORM 99-B

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER — ADDRESS

COAL OPERATOR OR OWNER — ADDRESS

LEASE OR PROPERTY OWNER — ADDRESS

NAME OF WELL OPERATOR: G. S. & H. Supply Co.
COMPLETE ADDRESS: Box 895, Tulsa, Okla.
WELL AND LOCATION: June 5, 1949
Duval District
Lincoln County
Well No. 1
L. Oxley Farm

STATE INSPECTOR SUPERVISING PLUGGING: Dana Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

John Wright and John Curtis being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by M. M. Tripplehorn Co., contractor, and participated in the work of plugging and filling the above well, that said work was commenced on the 27th day of May, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Cement & rock	2454	2439	6-5/8"	1780	0
	Clay	2439	2350			
	Cement	2350	2340			
	Cement & rock	1995	1980			
	Clay	1980	1810			
	Cement & rock	1810	1795			
	Cement & rock	1150	1135			
	Clay	1135	1060			
	Cement & rock	1060	1045			
	Cement & rock	250	235			
	Clay	235	Surface			

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

RECEIVED JUN 10 1949 OIL & GAS DIVISION DEPT. OF MINES

DESCRIPTION OF MONUMENT
Cement block
G. S. & H. Supply Co.
L. Oxley #1
6-1-49

and that the work of plugging and filling said well was completed on the 1st day of June, 1949.

And further deponents saith not.

John Wright
John Curtis

Sworn to and subscribed before me this 7 day of June, 1949.

J. R. Johnson
Notary Public.

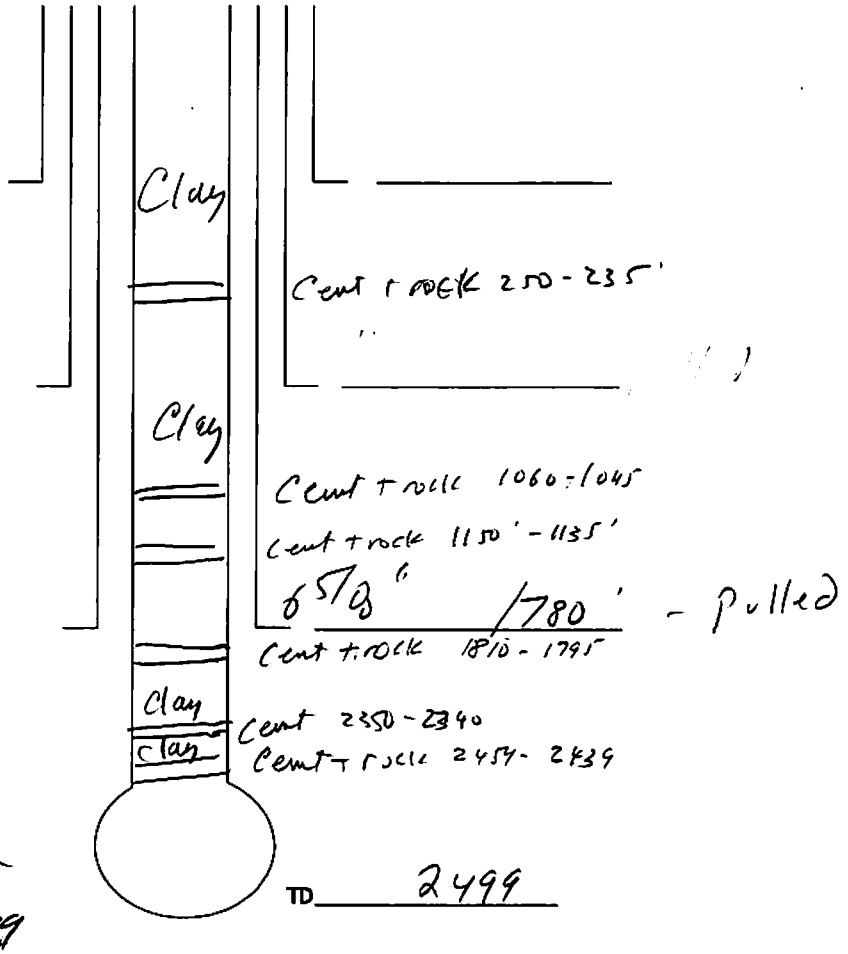
My commission expires: 9-1957

Permit No. LIN-756

L Oxly 1

Griffithsville Unit #2 Field

47-043- 30756



2474

Berea
2499

From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

315

AOR - Well Review Checklist

API Number: 47- 043 - 30758 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 2

Farm Name: Leonard Oxley

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2430

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415 475 Northing: 4,233, 658

Elevation: 282

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30758

CORD of Well No. 2 on Leonard Utley Farm Acres Griffith
ville Field, Dual District Lincoln County,
Rig Commenced ..... 19..... Completed ..... 19.....
Drilling Commenced Sept 2 1909. Completed Oct 7 1909
Cost per foot, 1.10 Contractor, Wells Bros Address, Hawley, W Va
Drillers' Names, Fred Johnson & E. L. Briggs.

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅝ inch	6⅝ inch	6¼ inch	5⅝ inch	5 3-16 inch	4⅝ inch
11						1720				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7⅝ inch	6⅝ inch	6¼ inch	5⅝ inch	5 3-16 inch	4⅝ inch
11						1720				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	
10/20	90 qts	2nd Shot 13/4x2	150	qts	

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface		11	11	EJ-920-12
Red Rock	11	30	19	325 ft of 10" hole, no 8"
Sand	30	75	45	casing used.
Slate & Shale	75	180	105	
Sand	180	240	60	Some water at 1100
Sand Shells & Shale	240	325	85	Hole filled up at 1115'
Sand	325	420	95	
Slate	420	450	30	23 ft Berea Sand
Sand	450	490	40	
Slate	490	515	25	Hole filled up 400
Sand	515	560	45	Standing mr night
Slate	560	575	15	
Sand	575	610	35	
Slate	610	615	5	
Sand	615	680	65	
Slate	680	830	150	
Sand	830	845	15	
Slate	845	860	15	
Sand	860	870	10	
Slate	870	900	30	
Sand	900	915	15	
Slate	915	980	65	
Sand	980	995	15	
Slate	995	1030	35	
Sand	1030	1045	15	
Slate	1045	1070	25	
Sand & Sand	1070	1665	595	
Black Lime	1665	1707	42	
Pencil Cave	1707	1710	3	
Big Lime	1710	1860	150	
Big Injun	1860	1928	68	
Berea Shale	1928	2409	481	
Berea Sand	2409	2423	14	

FORM 66-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30758

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

NAME OF WELL OPERATOR: G.-S.-H. SUPPLY CO.

COMPLETE ADDRESS: Box 895, Tulsa, Okla.

June 12, 1949

WELL AND LOCATION

Duval District

Lincoln County

Well No. L. Oxley #2

L. Oxley Farm

STATE INSPECTOR SUPERVISING PLUGGING: Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln, } ss:

John Wright and John Curtis being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Ma. Mc. Tripplehorn contractor, and participated in the work of plugging and filling the above well, that said work was commenced on the 1st day of June, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Cement & rock	2389	2374			
	Clay	2374	2300			
	Cement & rock	2300	2285	5-3/16	1764	0
	Cement & rock	1928	1913	6-5/8	1500	220
	Clay	1913	1750			
	Cement & rock	1750	1735			
	Cement & rock	1100	1085			
	Clay	1085	1050			
	Cement & rock	1050	1035			
	Cement & rock	250	235			
	Clay	235	surface			

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	Cement block
(NAME)	G. S. & H. Supply
(NAME)	L. Oxley #2
(NAME)	6-7-49

RECEIVED JUN 1949 WEST VIRGINIA DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 7th day of June, 19 49.

And further deponents saith not.

John Wright
John Curtis

Sworn to and subscribed before me this 20th day of June, 19 49.

T. T. Eversole
Notary Public.

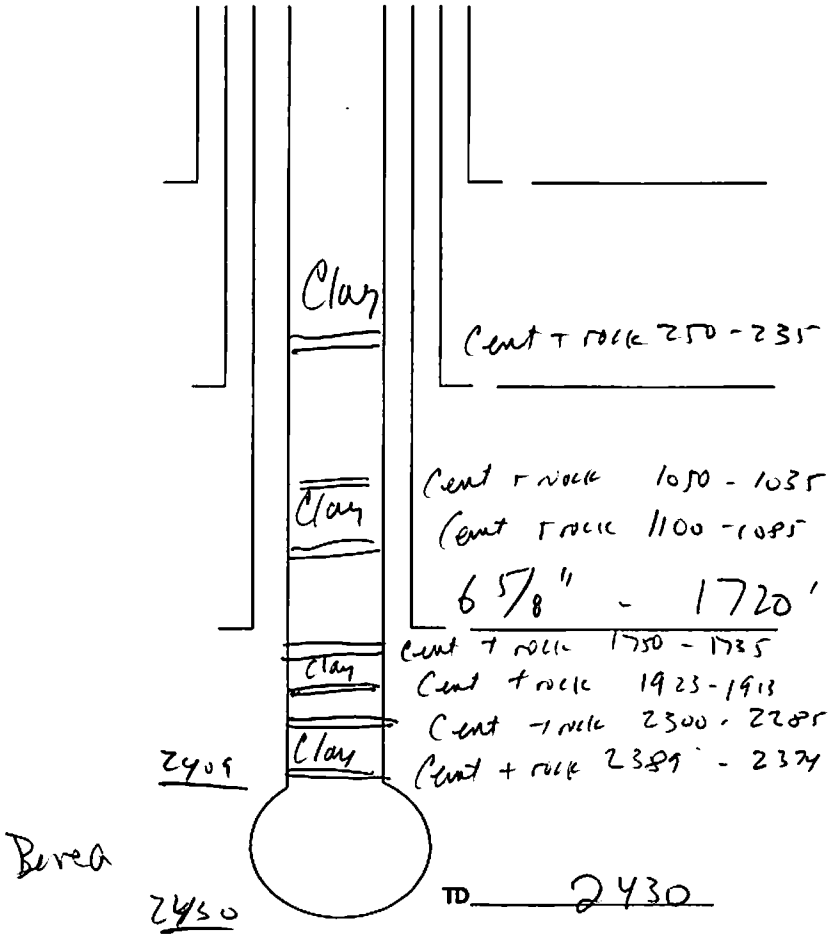
My commission expires: Aug. 16-1949

Permit No. LIN-758

Leonard Oxley 2

Griffithsville Unit #2 Field

47-043- 30758



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

316

AOR - Well Review Checklist

API Number: 47- 043 - 30524 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: Leonard Oxley

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2351

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415,546 Northing: 4,233,876

Elevation: 263

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30526

RECORD of Well No. 3 on Lewis Co. Farm [illegible] Acres [illegible]

Co. Field. Lewis District [illegible] County [illegible]

Rig Commenced ..... 19 ..., Completed 19

Drilling Commenced Oct 24 1909, Completed Dec 15 1909

Cost per foot. 11¢ Contractor, Lewis Bros Address, Jane Lew, W. Va.

Drillers' Names. J. Hamilton Sr. & [illegible] Lewis Bros.

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5¾ Inch	5 3-16 Inch	4½ Inch
14						1643				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5¾ Inch	5 3-16 Inch	4½ Inch
14						1643				

OIL WELL **GAS WELL**

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
12/21	Glass	2nd 4 hrs 9"	11/2	113	1300					

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface Sand		14	14	250 gal 10" Nitro made
Coal Vein	111	30	16	Hit 5" Gas Vein, 1643 ft
Slate	30	75	45	6⅝ Csg cut H.P. Casing
Black Slate	75	200	125	Hit Gas.
Coal	200	203	3	
Sand	203	350	147	Hole filled, Sand dry
Slate & Sand	350	640	290	Sand water at 1060 ft.
Sand	640	765	125	
Slate	765	800	35	El 842.64
Sand	800	930	130	
Slate	930	980	50	
Salt Sand	980	1590	610	
Little Lime	1540	1625	35	
Pencil Cave	1625	1628	3	
Big Lime	1628	1810	182	
Big Injun	1810	1870	60	
Sand & Slate	1870	2327	457	
Keener Sand	2327	2348	21	
Pay & Slate	2351			
Total Depth			3	

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30526

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

South Penn Natural Gas Co.
LEASE OR PROPERTY OWNER

Parkersburg, W. Va.
ADDRESS

C. R. De Lay
NAME OF WELL OPERATOR

P. O. Box 49 Hamlin, W. Va.
COMPLETE ADDRESS

December 15, 1948

WELL AND LOCATION

Duval District

Lincoln County

Well No. 3

Leanord Oxley Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

C. R. De Lay and Bethel Wade

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by C. R. De Lay, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 26 day of November, 1948, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Permanent Bridge		2300	2295			
	Cement	2295	2285			
	Stones	2285	2280			
	Red Clay	2280	1675			
	Cement	1675	1665			
	Stones	1665	1660			
Pulled casing loose and fill	as we	plugged				
Permanent Bridge		1250	1245			
	Cement	1245	1235			
	Stone	1235	1230			
	REd Clay	1230	960			
	Cement	960	950			
	Stones	950	945			
Permanent Bridge		300m	295			
	Cement	295	285			
COAL SEAMS	Stones	285	280	DESCRIPTION OF MONUMENT		
	Red Clay	280	0	Concrete Block		1645' 7" O. Dd
				Date: 1 Dec. 48		

DEC 1948

and that the work of plugging and filling said well was completed on the _____ day of _____, 19____.

And further deponents saith not.

Bethel Wade

C. R. De Lay

Sworn to and subscribed before me this 20 day of December, 1948

Jerrold E. Cartwright
Notary Public.

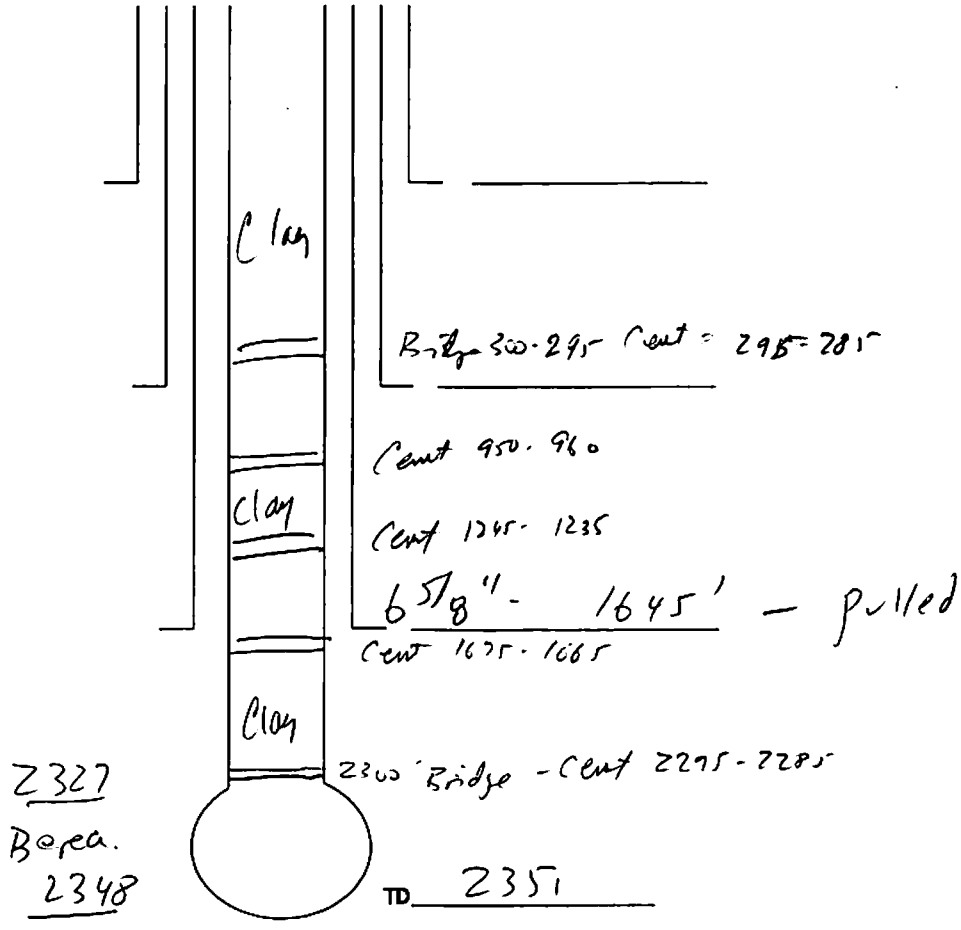
My commission expires:
July 9 1958

Permit No. 43-526

Leonard Oxley 3

Griffithsville Unit #2 Field

47-043- 30526



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

317

AOR - Well Review Checklist

API Number: 47- 043 - 02171 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 4

Farm Name: Leonard Oxley

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 7497

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415,600 Northing: 4,234,052

Elevation: 302

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT: _____	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: _____ Signature: _____

Date Reviewed: _____

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

Lease No. 71077 Acres 109 Farm Name Leonard Oxley Well No. 4

1 of 126W 4 Mi. NE from Co. Unsville Waters of Sam Brown Ck Hook & Mill Creek of Mid Pine

N. S. 81 E. W. 77

Civil District Duval

County Lincoln

State W. Va.

GAS OIL Rights Owned By

Location Made

Rig Completed

Dr'g Commenced Dec. 8, 1909

Dr'g Completed Jan. 27, 1910

Dr'g Contractor Weiler Bros.

Purchased From Big Creek Dev. Co.

Date Purchased

Sold To Cost per ft.

~~Date Sold~~ 1-10/100

Date Abandoned

FORMATION

Kind	Top	Bottom	Steel Line Measurement	Tests
Salt Sand	1115	1605		
Little Lime	1745	1785		
Pencil Cave	1785	1793		
Big Lime	1793	1965		
Big Injun	1965	2020		
Brown Shale	2455	2475		
Berea	2475	2497		

Initial Prod.	Sand	* At Completion	* 30Days After	*
Oil				
Gas				

Oil in Barrels

CASING RECORD

Size	Bottom Casing (Steel Line)	Put In Well (Tally Meas.)	Pulled (Tally Meas.)	Cemented
Cond.		12½		Date
6-5/8		1800		Size Csg.
5½		1870	(3-332c)	Top "
				Bot. "

PACKERS AND SHOES

Kind	Size	Depth Set	Date Set
Hook Wall	6⅝ x 5¾ x 16		5-2-41

TORPEDO RECORD

Date	No. Qts.	Size Shell	Top Shot	Bottom	Results
1-28-1910	90.				

DRILLING DEEPER

Commenced	Completed	Original Depth	Final Depth	Contractor

ABANDONMENT RECORD

Filled With	From	To	PLUG Size	PLUG Kind	PLUG Depth

APPROVED

47-043-0217

API# 47-043-2171

WW-4B

RECEIVED
Office of Oil & Gas
APR 14 2009
WV Department of
Environmental Protection

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Leonard Oxley
LOCATION: Elevation: 1,005'
District: Duval
Latitude:
Longitude:

Operator Well No.: No. 4
Quadrangle: Garrett's Bend 7.5'
County: Lincoln
Deg. Min. Sec.
Deg. Min. Sec.

Well Type: Oil X Gas WIW

Company: East Resources Inc.
P.O. Box 5519
Vienna, WV 26105
Agent: Philip S. Ondrusek
Inspector: Ralph Triplett
Permit Issued: ##

Coal Operator or Owner: NA
Coal Operator or Owner: NA

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood ss:

Mark Miller and Paul Stevens being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by East Resources Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 23rd day of March, 2009, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2450'	2350'	6 5/8" 0'	1870'
Cement	1950'	1750'	5 1/2" 1870'	0'
Cement	1118'	1018'		
Cement	414'	300'		
Cement	100'	0'		
		Perforated 6 5/8" Casing 3 Shots: 1053'-1050'; 353'-350' &		
		100'-97'		
6% Gel Between Cement Plugs				

Description of monument: 5" x 5'

and that the work of plugging and filling said well was completed on the 25th day of March, 2009
And further deponents saith not.

Mark Miller
Paul Stevens

Sworn and subscribe before me this 13th day of April, 2009

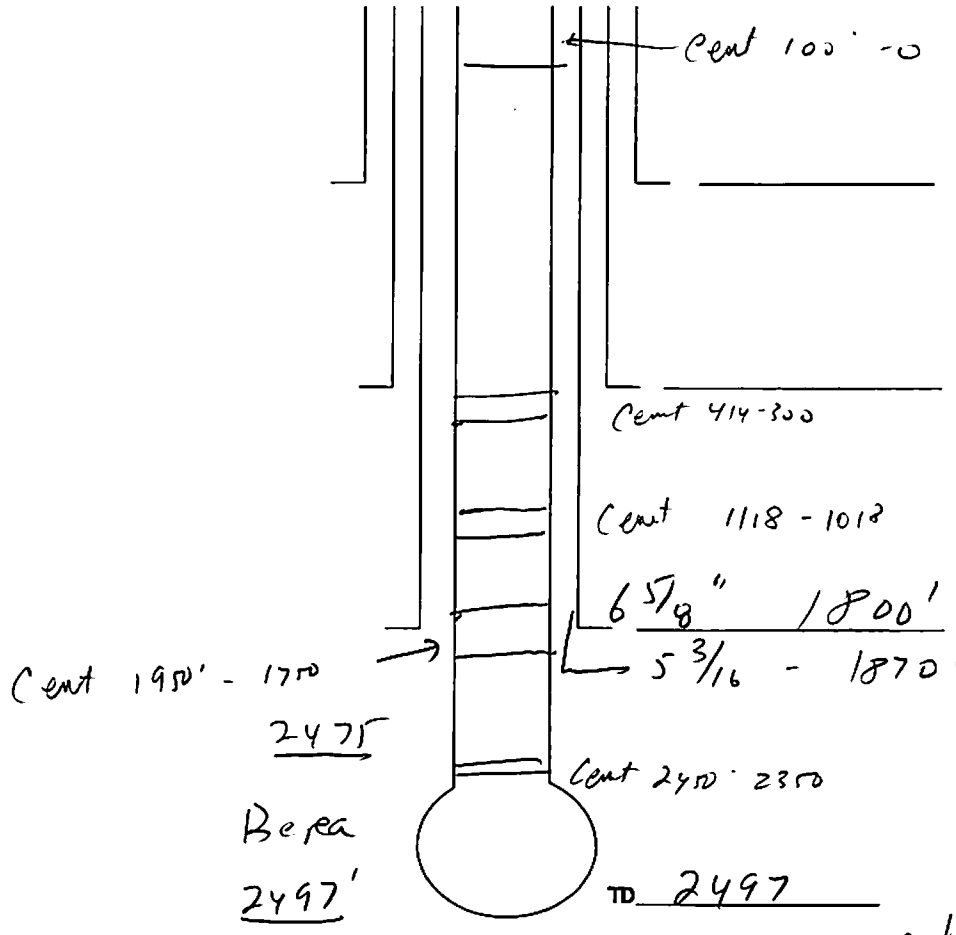
Notary Public

My commission expires: Oct. 4, 2016

Leonard Oxley 4

Griffithsville Unit #2 Field

47-043- 02171



Variable to pull 6 5/8" casing

From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30892 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 5
Farm Name: Leonard Orig.
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well:
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,237 Northing: 4,234,521
Elevation: 322
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

RECORD of Well No. 5 on Lowry Farm Acres Unknown
Well Field, Lima District Lincoln County, W. Va.
Rig Commenced ..... 19..., Completed ..... 19...
Drilling Commenced Apr 16 1910., Completed May 28 1910
Cost per foot, ... Contractor, ... Address, ...
Drillers' Names, Tom Arnett and J.E. Sylvester

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4¾ Inch
16						1874				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4¾ Inch
16						1874				

OIL WELL — GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
5/28/10	90 qts.	2nd 15 qts	3/30/14	1504						

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		16	16	450' 10" hole made
Red Rock	16	30	14	No. 8" Casg. used
White Sand	30	50	20	
Red Rock	50	95	45	2' coal at 410'
Slate	45	210	115	
Sand	210	240	30	Hole fine water from
Slate	240	300	60	Sand 1280
Red Rock	300	345	45	
Slate	345	500	155	Little gas in Big Lime
Lime	500	520	20	at 1965'
Sand	520	630	110	
Slate	630	690	60	El 1055.03
Sand	690	800	110	
Slate	800	820	20	47-043 30892
Sand	820	900	80	
Slate	900	930	30	
Sand	930	1010	80	
Slate	1010	1060	50	
Lime	1060	1150	90	
Slate	1150	1175	25	
Coal & Lime	1175	1830	655	
Black Lime	1830	1865	35	
Pencil Cave	1865	1870	5	
Big Lime	1870	2050	180	
Keener Sand	2050	2120	70	
Lime & Slate	2120	2508	388	
Brown Shale	2508	2528	20	
Lime & Slate	2525	2553	25	

47-043-30892

FORM OG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
LEASE OR PROPERTY OWNER
ADDRESS

C. S. H. Supply Company
NAME OF WELL OPERATOR
c/o Hallie Pack, Hamlin, West Virginia
COMPLETE ADDRESS
September 12, 19 50
WELL AND LOCATION
Duval District
Lincoln County
Well No. 5
L. Orley Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Hal Pack and Raymond Woodall being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 24 day of July, 19 50., and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD		FILLING MATERIAL		PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
		2508'		7"	1517'	388'
Bridge Set At						
	Cement	2508'	2498'			
	Crushed Stone	5'				
	Red Clay	1904'				
	Neat Cement	1904'	1894'			
	Crushed Stone	5'				
	Bridge	1650'				
	Cement	1650'	1640'			
	Crushed Stone	5'				
	Red Clay	1155'				
	Neat Cement	1155'	1145'			
	Crushed Stone	5'				
	Bridge	400'				
	Cement	400'	390'			
	Crushed Stone	5'				
COAL SEAMS	Clay to Surface			DESCRIPTION OF MONUMENT		
				Erected Marker According		
				Rule 18, 1931 Regulations		
(NAMES)						
(NAMES)						
(NAMES)						

and that the work of plugging and filling said well was completed on the 31 day of July, 1950, 19 50

And further deponents saith not.

Raymond Woodall
Hal Pack

Sworn to and subscribed before me this 20 day of Sept, 19 50

Notary Public.

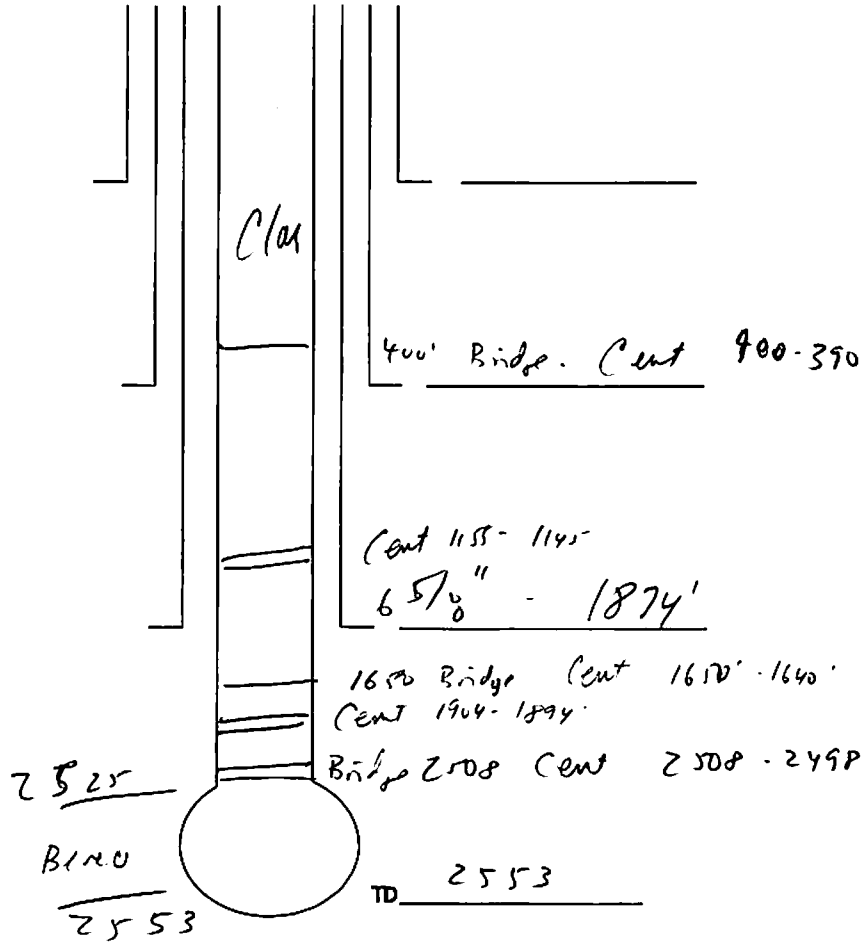
My commission expires: April 4, 1957

Permit No. LIN-692

Leonard Oxly 5

Griffithsville Unit #2 Field

47-043- 30892



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30762 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 6

Farm Name: Leonard Oxley

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2319

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415,236 Northing: 4,233,588

Elevation: 249

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

41-043-30762

RECORD of Well No. 6 on Round Valley Farm Acres 30762

Field, District County

Rig Commenced 19, Completed 19

Drilling Commenced Aug 22 1912, Completed Oct 7 1912

Cost per foot, 1.10 Contractor, Wetzel Bros Address, Hawley, W. Va.

Drillers' Names C. Bolton, M. Carmichael & Frank Eccles.

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4⅞ Inch
16						1615				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4⅞ Inch

OIL WELL / GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
10/8/12	80 qts									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Alluvium		12	12	10" hole 405'
Shale	12	20	8	
Red Rock	20	75	55	Elev. 1615
Sand	75	100	25	
Slate	100	260	160	
Sand	260	400	140	(40')
Coal	400	405	5	
Slate	405	480	75	
Sand	480	620	140	
Slate	620	700	80	
Lime	700	740	40	
Slate	740	850	110	
Sand	850	905	55	
Slate	905	945	40	
Salt Sand	945	1560	615	Hole full water at 1010'
Black Lime	1560	1595	35	
Berea Slate	1595	1603	8	
White Lime	1603	1763	160	
Injun Sand	1763	1823	60	
Shells & Slate	1823	2275	452	
Brown Shale	2275	2299	24	Shot 9/14/12 - 120 qts. - Bereal.
Berea Sand	2299	2319	20	

47.075
043-30762

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

NAME OF WELL OPERATOR: G.S.H. SUPPLY CO.

COMPLETE ADDRESS: Box 895, Tulsa, Okla.

June 17, 19 49

WELL AND LOCATION

Duval District

Lincoln County

Well No. 6

L. Oxley Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

John Wright and John Curtis being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by M. M. Tripplehorn, contractor, and participated in the work of plugging and filling the above well, that said work was commenced on the 8th day of June, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Cement & rock	2279	2264	5-3/16"	1651	0
	Clay	2264	2200	6-5/8"	1618	0
	Cement & rock	2200	2185			
	Cement & rock	1823	1808			
	Clay	1808	1648			
	Cement & rock	1648	1633			
	Cement & rock	1100	1085			
	Clay	1085	925			
	Cement & rock	925	910			
	Cement & rock	250	235			
	Clay	235	surface			

COAL SEAMS

(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT

Cement block
G. S. & H. Supply
Oxley 6
6-14-49

and that the work of plugging and filling said well was completed on the 14th day of June, 19 49

And further deponents saith not.

John Wright
John Curtis

Sworn to and subscribed before me this 20th day of June, 19 49

Notary Public.

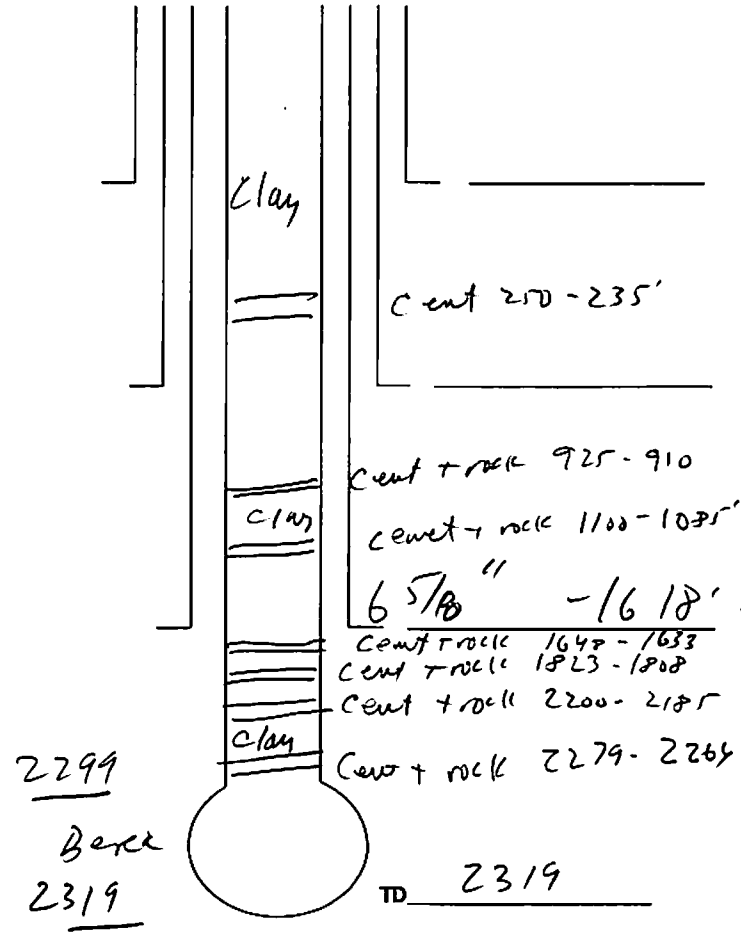
Permit No. LIN-762

My commission expires:
Aug. 16-1949

L 8x16

Griffithsville Unit #2 Field

47-043- 30762



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30770 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 7

Farm Name: Leonard Oxley

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2269

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 415,096 Northing: 4,235,704

Elevation: 234

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30170

RECORD of Well No. 7 on Leonard Coley Farm Acres

Field, District County

Commenced 19 , Completed 19

Drilling Commenced Oct 10 1912, Completed Nov 18 1912

Cost per foot, 1.15 Contractor, Hinkley & Simms Dril Co. Address, Hinkley, W. Va.

Drillers' Names P.J. Hinkley & C.J. Brown

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4⅜ Inch
16				365		1570				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4⅜ Inch
16						1570				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
11/19/12	80 qts			

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		16	16	
Slate & Shell	16	125	109	
Coal	125	128	3	
Slate & Sand	128	350	222	
Coal	350	355	5	
Sand & Slate	355	920	565	
Slate & Sand	920	1505	585	Slate full of sand at 980'
Slate	1505	1525	20	
Little Lime	1525	1555	30	
Pencil Cave	1555	1560	5	
Big Lime	1560	1745	185	
Big Injun	1745	1815	70	Gas in Big Lime at 1680'
Slate	1815	1875	60	
Squaw	1875	1975	100	
Slate	1975	2227	252	
Brown Slate	2227	2249	22	
Berea Sand	2249	2269	20	

47-043-30770

FORM OG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

NAME OF WELL OPERATOR: G.S.H. SUPPLY CO.

COMPLETE ADDRESS: Box 895, Tulsa, Okla.

WELL AND LOCATION: June 26, 1949

Duval District

Lincoln County

Well No. 7

L. Oxley Farm

STATE INSPECTOR SUPERVISING PLUGGING: Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

John Wright and Everett Hodge being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by M. M. Tripplehorn contractor, and participated in the work of plugging and filling the above well, that said work was commenced on the 20th day of June, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
	Cement & rock	2229	2214	6-5/8	1572	0
	Clay	2214	2125			
	Cement & rock	2125	2110			
	Cement & rock	1815	1800			
	Clay	1800	1600			
	Cement & rock	1600	1585			
	Cement & rock	1025	1010			
	Clay	1010	900			
	Cement & rock	900	885			
	Cement & rock	250	235			
	Clay	235	surface			

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT: Cement block
G. S. & H. Supply
L. Oxley 7
6-23-49

RECEIVED JUL 1949 DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 23rd day of June

And further deponents saith not.

John Wright
Everett Hodge

Sworn to and subscribed before me this 29 day of June, 1949.

J. M. Tripplehorn
Notary Public.

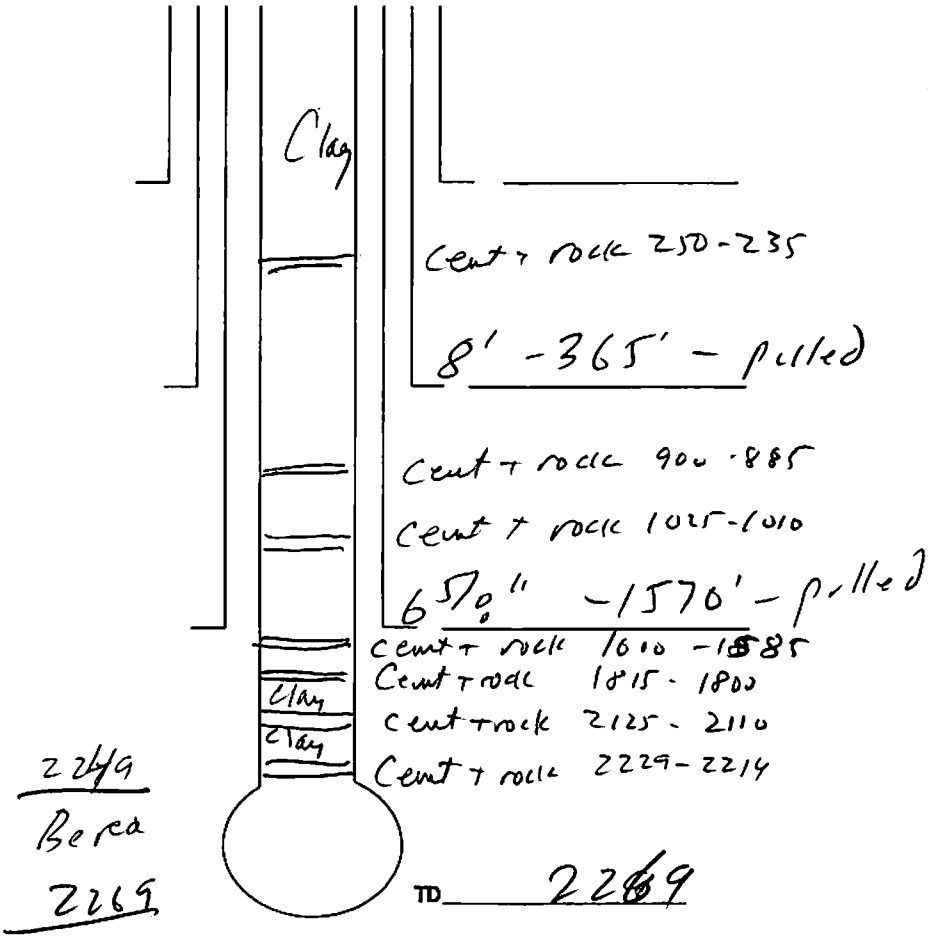
Permit No. LIN-770

My commission expires:
Oct 9 1957

h Oxly 7

Griffithsville Unit #2 Field

47-043- 30770



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(321)

AOR - Well Review Checklist

API Number: 47- 043 - 30876 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 8

Farm Name: Leonard Ortz

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 7455

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 414,950 Northing: 4,235,818

Elevation: 289

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30876

RECORD of Well No. 8 on Leonard Orley Farm Acres

Field, District County

Rig commenced 19 Completed 19

Drilling Commenced July 3 1912 Completed Aug 14 1912

Cost per foot, 11½ Contractor Hawley & Imperial Oil Co Address, Hamlin, W. Va.

Drillers' Names P. J. Kirby & E. G. Brown.

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4½ Inch
14						1755'				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4½ Inch
14						1755'				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	Size of Packer	Depth Set
8/13/12	80 qts					

GAS WELL

Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface & Clay		14	14	El= 90[illegible]
Sand	14	34	20	
Slate & Sand	34	290	256	
Coal	290	293	3	
Slate & Sand	293	465	172	
Coal	465	469	4	
Slate & Sand	469	1085	616	
Salt Sand	1085	1683	598	
Slate	1683	1713	30	470' 10" hole.
Little Lime	1713	1743	30	
Pencil Cave	1743	1748	5	Hole full of Water at 1175
Big Lime	1748	1928	180	
Big Injun	1928	1993	65	Gas in big Lime at 1884'
Slate	1993	2053	60	
Shells	2053	2203	150	
Slate	2203	2413	210	
Brown Shale	2413	2433	20	
Berea Sand	2433	2455	22	

Shot 8-17-35
100 qt.
Top 2457' Bottom 2457'

47-043 - 30876

FORM GG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

No Coal
COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

Mr. D. C. Smith
LEASE OR PROPERTY OWNER

Box 21 - Griffithsville, W. Va.
ADDRESS

RAAD SUPPLY COMPANY
NAME OF WELL OPERATOR

184 East Main St., Salem, W. Va.
COMPLETE ADDRESS

June 21 19 50
WELL AND LOCATION

Duval District

Lincoln County

Well. No. 8

Leonard Oxley Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Harrison } ss:

Harvey Goodwin and Martin L. Fluharty being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Raad Supply Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 17th day of July, 19 50, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Berea Sand	Clay	2457	2413	2" Tub.	2449'	None
	Cement	2413	2403			
Permanent bridge			2123			
Big Injun	Clay	2123	1765			
	Cement	1765	1755	6-5/8"	1755'	None
	Clay & Gav.	1755	to the surface.			

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT

Cement-Size 33x33x10" thick with a cement post in center of 6-5/8" pipe, extended above cement base 3' with inscription RAAD SUPPLY COMPANY, July 1950.

AUG 1950
WEST VIRGINIA
DEPARTMENT OF MINES

and that the work of plugging and filling said well was completed on the 22nd day of July, 19 50.

And further deponents saith not.

Harvey Goodwin
M. F. Fluharty

Sworn to and subscribed before me this 26th day of July, 19 50.

Sylvia Midlam
Notary Public.

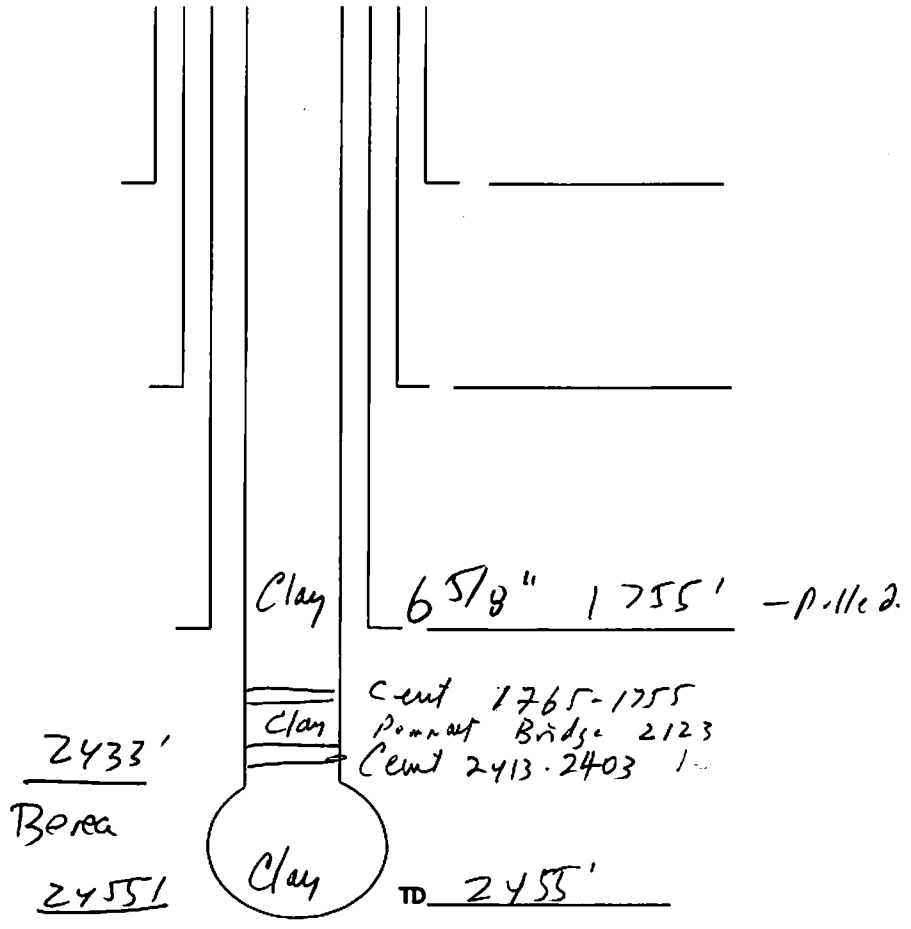
My commission expires:
February 8, 1954.

Permit No. LIH-976

L 8x1/4

Griffithsville Unit #2 Field

47-043- 30876



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30241 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 9
Farm Name: Leonard Oxley
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2488
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,402 Northing: 4,234,009
Elevation: 298
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT: _____	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	0
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: _____ Signature: _____
Date Reviewed: _____

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30241

RD of Well No. 9 on Leonard Coley Farm Acres

Field, District County

Big Commenced 10 , Completed 19

Drilling Commenced Feb 7 1914, Completed Mch 25 1914

Cost per foot, 1.15 Contractor Yeakley & Turner Drlg Address Yeakley W Va

Drillers' Names J. L. McClellan & Frank Bassett

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6¼ Inch	6⅛ Inch	5⅛ Inch	5 3-16 Inch	4⅛ Inch
16						1800				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6¼ Inch	6⅛ Inch	5⅛ Inch	5 3-16 Inch	4⅛ Inch
16						~~1400~~ 1800 pulled				

OIL WELL — GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
3/24/14	80 qts									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		16	16	
Red Rock	16	45	29	
Slate	45	70	25	
Red Rock	70	100	30	
Slate	100	120	20	
Sand	120	140	20	
Slate	140	200	60	470' 10" Hole
Sand	200	260	60	
Slate	260	300	40	
Sand	300	560	260	
Slate	560	600	40	
Sand	600	820	220	Abandoned 4/29/41
Coal	820	825	5	+
Slate	825	900	75	
Sand	900	960	60	
Slate & Shells	960	1130	190	
Salt Sand	1130	1730	600	Hole full of water @ 1200'
Slate	1730	1755	5	
Little Lime	1755	1785	30	
Penci Cave	1785	1790	5	
Big Lime	1790	1970	180	
Big Injun	1970	2060	90	
Slate	2060	2120	60	
Lime shells	2120	2240	120	
Slate	2240	2380	140	
Lime shells	2380	2445	65	
Brown Shale	2445	2466	21	
Berea Sand	2466	2488	22	

FORM OG-8

DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

Allen Smith Heirs — COAL OPERATOR OR OWNER
c/o Mrs. Allen Smith, Griffithsville, W.Va. — ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

Allen Smith Heirs. — LEASE OR PROPERTY OWNER
c/o Mrs. Allen Smith, Griffithsville, W. Va. — ADDRESS

SOUTH PENN NATURAL GAS COMPANY — NAME OF WELL OPERATOR
Union Trust Building, Parkersburg, W. Va. — COMPLETE ADDRESS

January 12, 1942. — WELL AND LOCATION

Duval — District
Lincoln — County
Well No. 9
Leonard Oxley — Farm

STATE INSPECTOR SUPERVISING PLUGGING None

47-043-3024

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

E. C. Tiffin and W. O. White being first duly sworn according to law depose and say that they are experieneed in the work of plugging and filling oil and gas wells and were employed by South Penn Natural Gas Co well operator, and participated in the work of plugging and filling the above well, that said work was commeneed on the 26th day of March, 1941, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
Berea	Clay	2488	2446			
	Cement	2446	2436			
Permanent Bridge at		2090				
Big Injun	Clay	2090	1950			
	Cement	1950	1940	1600' - 6-5/8"		
Big Lime	Clay	1940	1800			
	Clay	1800	1770			
	Cement	1770	1760			
Little Lime	Clay	1760	1735			
	Cement	1735	1725			
Salt Sand	Clay	1725	1130			
	Cement	1130	1120			
	Clay	1120	855			
	Clay	800	to surface			

COAL BEARS (NAME)	FILLING MATERIAL	FROM	TO
No name	Cement	855	800

DESCRIPTION OF MONUMENT
8-1/4" csg. 3' above surface. Filled with concrete. Inscribed on top, S.P.N.G.Co. Leonard Oxley #9. Abd. 4-29-41

and that the work of plugging and filling said well was completed on the 29th day of April, 19 41

E. C. Tiffin
X W. O. White

and further deponents saith not.

Sworn to and subscribed before me this 17 day of January, 1942

J. H. Smith
Notary Public.

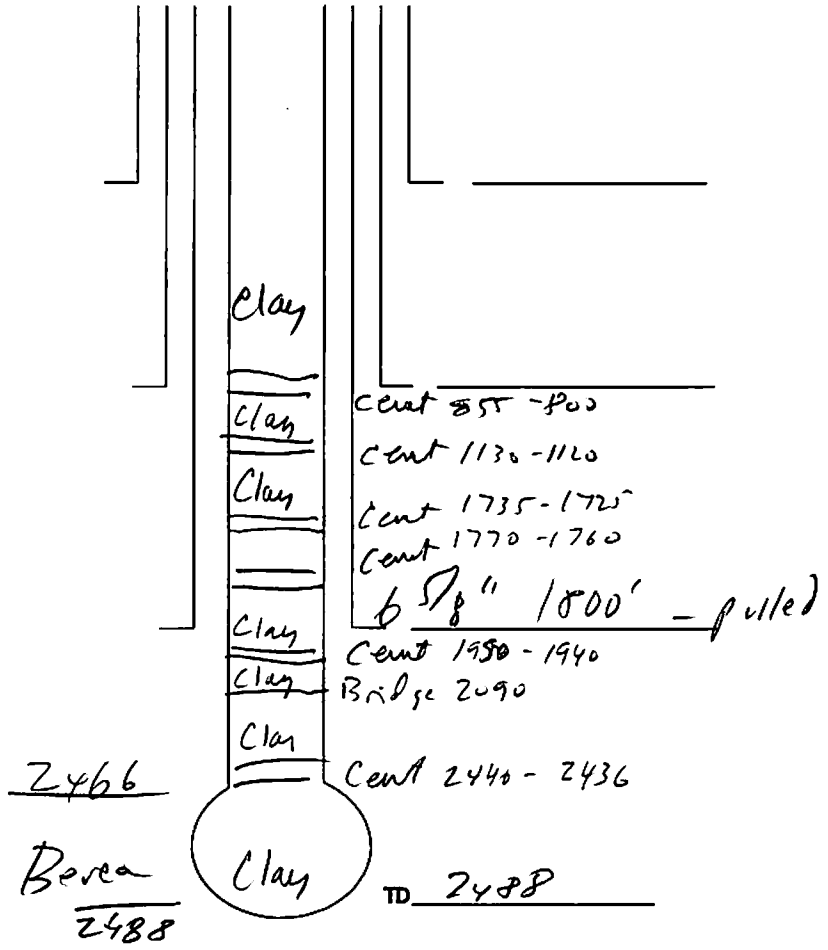
My commission expires: 1947

PERMIT No. LIN-241

L Oxly 9

Griffithsville Unit #2 Field

47-043- 30241



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30771 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 10
Farm Name: Leonard Oxley
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2317
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,348 Northing: 4,233,741
Elevation: 263
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-3077

JRD of Well No. 10 on Leonard Worley Farm Acres

Field, District County

Rig Commenced 19 Completed 19

Drilling Commenced Aug 26 1913 Completed Oct 8 1913

Cost per foot, 1.15 Contractor Hunter & Thurman Drill Co Address Hamlin, W. Va.

Drillers' Names Hank Babcock & T. L. McClintock

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4⅝ Inch
15						1640				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4⅝ Inch
15						1640				

OIL WELL

GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
10/13	80 qts									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		15	15	Ei. 80'
Red Rock	15	60	45	
Sand	60	80	20	
Slate	80	120	40	
Red Rock	120	140	20	
Sand	140	185	45	400' of 10" hole
Coal	185	190	5	
Slate	190	250	60	
Sand	250	395	145	
Coal	395	400	5	
Slate	400	480	80	
Sand	480	600	120	
Slate	600	720	120	
Sand	720	760	40	
Slate	760	900	140	
Lime, shells & Slate	900	990	90	Hole full of water at 1040
Spec. sand	990	1585	595	
Little Lime	1585	1620	35	
Pencil Cave	1620	1630	10	
Big Lime	1630	1810	180	
Big Injun	1810	1870	60	
Slate	1870	1940	70	
Lime, shells	1940	2020	80	
Slate	2020	2255	235	
Lime, shells	2255	2275	20	
Brown shale	2275	2295	20	
Berea sand	2295	2317	22	

DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30771

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
LEASE OR PROPERTY OWNER
ADDRESS

G. S. & H. Supply Co.
NAME OF WELL OPERATOR
Box 8951 Tulsa, Okla.
COMPLETE ADDRESS
June 24 19 49
WELL AND LOCATION
Duval District
Lincoln County
Well No. 10
L. Oxley Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

John Wright and John Curtis being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by M. M. Tripplehorn, ~~Authorized Agent~~ contractor, and participated in the work of plugging and filling the above well, that said work was commenced on the 14th day of June, 1949, and that the well was plugged and filled in the following manner:

COAL OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Cement & rock	2275	2260	6-5/8"	1570	64
	Clay	2260	2175			
	Cement & rock	2175	2160			
	Cement & rock	1870	1855			
	Clay	1855	1664			
	Cement & rock	1664	1649			
	Cement & rock	1100	1085			
	Clay	1085	970			
	Cement & rock	970	955			
	Cement & rock	250	235			
	Clay	235	surface			

COAL SEAMS				DESCRIPTION OF MONUMENT
(NAME)				Cement block
(NAME)				G. S. & H. Supply
(NAME)				L. Oxley #10
(NAME)				6-18-49

and that the work of plugging and filling said well was completed on the 18th day of June, 1949.

And further deponents saith not.

John Wright
John Curtis

Sworn to and subscribed before me this 29 day of June, 1949.

J. R. Robinson
Notary Public.

My commission expires:
Sept. 9, 1957

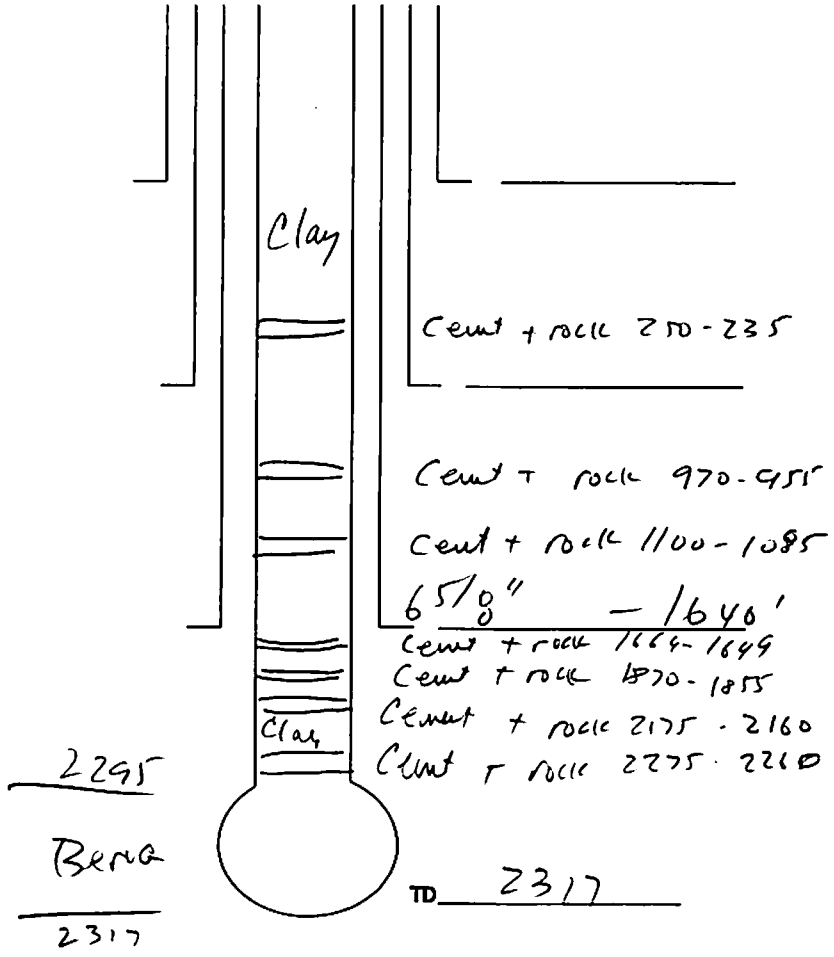
Permit No. LIN-718.

771

4 Oxly 10

Griffithsville Unit #2 Field

47-043- 30771



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(324)

AOR - Well Review Checklist

API Number: 47- 043 - Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 11
Farm Name: Leonard Orl.
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2486
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: Northing:
Elevation:
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Need WR38 NA

Reviewer Name: Signature:
Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

RECORD of Well No. 11 on Kinnear Lease Farm ..... Acres

Field, ... District ..... County .....

Re[illegible]mmenced ..... 19 .., Completed ..... 19 .....

Drilling Commenced Dec 13 1913., Completed June 30 1914.

Cost per foot, 1[illegible] Contractor, Hawley & Inman Lbr Co Address, Hawley, W. Va.

Drillers' Names T. L. Hill & Wm. Hall & Hugh Hudson

CONDUCTOR AND CASING USED IN DRILLING

nductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¾ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4½ Inch
10						1804				

CONDUCTOR AND CASING LEFT IN WELL

nductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¾ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4½ Inch
10						1804				

OIL WELL

hen Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
7/31/14	80 qts.			

GAS WELL

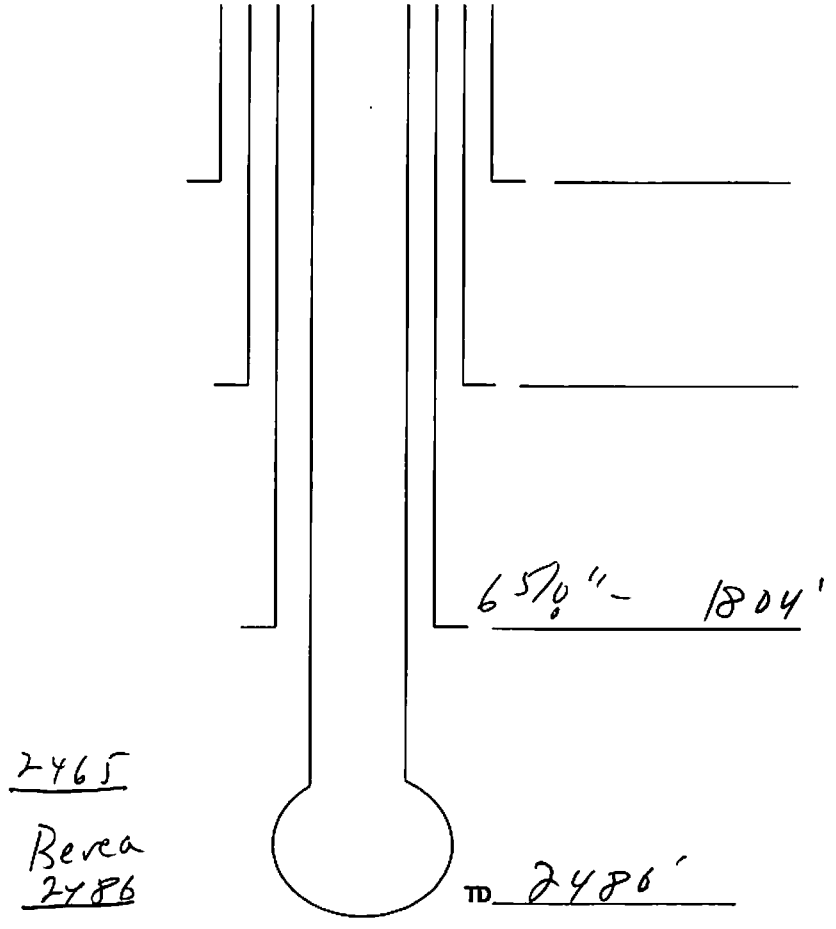
Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		10	10	El = 984.76
Sand	10	60	50	
Slate	60	100	40	
Coal (Pittsburgh)	100	160	60	
Slate	160	200	40	
Sand	200	320	120	
Coal	320	325	5	460' 10" hole
Slate	325	350	25	
Sand	350	640	290	
Slate	640	820	180	
Sand	820	960	140	
Slate	960	1000	40	Hole full of Water at 1200
Pittsburgh Limestone	1000	1125	125	
Sand (Kinnear)	1125	1740	615	
Slate	1740	1745	5	Gas in Sand at 1900
Little Lime	1745	1785	40	
Pencil Cave	1785	1790	5	
Big Lime	1790	1970	180	
Big Injun	1970	2055	85	
Slate	2055	2115	60	
Sand (Keener)	2115	2205	90	
Slate	2205	2400	195	
Berea Grit	2400	2445	45	
Gantz Shale	2445	2465	20	
Gantz Sand	2465	2486	21	

L Oxly 11

Griffithsville Unit #2 Field

47-043-



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30528 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 12
Farm Name: Leonard Orlo
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2305
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,101 Northing: 4,233,940
Elevation: 246
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

1 Leonard Wells Farm Acres 41.65 Estate

ORD of Well No. 12 on Leonard Otley Farm Acres

Field, District County

Rig Commenced 19 , Completed 19

Drilling Commenced Oct 16 1913, Completed Nov 26 1913

Cost per foot, 1.15 Contractor, Yawkey & Timmons Dist. Address, Yawkey W. Va.

Drillers' Names Frank Bassett & T. L. McShattan

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4⅜ Inch
15'						1625'				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4⅜ Inch
15'						1625'				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
11/27/13	80qts			

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		15'	15'	El= 808.68
Red Rock	15'	40'	25'	
Sand	40'	90'	50'	
Slate	90'	100'	10'	
Sand	100'	150'	50'	
Coal	150'	155'	5'	
Slate	155'	170'	15'	
Sand	170'	320'	150'	
Slate	320'	340'	20'	400' 10" hole
Sand	340'	390'	50'	
Coal	390'	395'	5'	
Slate	395'	420'	25'	
Sand	420'	620'	200'	
Slate	620'	640'	20'	Hole full of Water at 1030'
Sand	640'	820'	180'	
Slate	820'	990'	170'	
Salt Sand	990'	1568'	578'	
Slate	1568'	1578'	10'	
Little Lime	1578'	1610'	32'	Gas in big lime at 1725'
Pencil Cave	1610'	1615'	5'	
Big Lime	1615'	1800'	185'	
Big Injun	1800'	1890'	90'	
Slate	1890'	1960'	70'	
Lime Shells	1960'	2045'	85'	
Slate	2045'	22250'	205'	
Shell	22250'	2265'	15'	
Brown Shale	2265'	2285'	20'	
Berea Sand	2285'	2305'	20'	

47-043-30528

47-043 - 30528

FORM OG-0

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

South Penn Natural Gas Co.
LEASE OR PROPERTY OWNER

Parkersburg, W. Va.
ADDRESS

C. R. De Lay
NAME OF WELL OPERATOR

P. O. Box 49 Hamlin, W. Va.
COMPLETE ADDRESS

December 15 1948
WELL AND LOCATION

Duval District

Lincoln County

Well. No. 12

Leonard Oxley Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

C. R. De Lay and Bethel Wade being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by C. R. De Lay well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 19 day of November, 1948, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	FILLING USED SIZE & KIND	CASING CSG PULLED	CSG LEFT IN
Permanent Bridge						
	Cement	2265	2260			
	Stones	2260	2250			
Berea		2250	2245			
Big Injun	Red Clay	2245	1655			
	Cement	1655	1645			
	Stones	1645	1640			
Permanent Bridge		1250	1245			
	Cement	1245	1235			
	Stones	1235	1230			
	Red Clay	1230	970			
	Cement	970	960			
	Stones	960	955			
Permanent Bridge		350	345			
	Cement	345	335			
	Stones	335	330		1627' 8" O. D.	
COAL SEAMS	Red Clay	330	0	DESCRIPTION OF MONUMENT		
(NAME)				Concrete Block		
(NAME)				Date: 25 Nov. 48		
(NAME)						
(NAME)						

and that the work of plugging and filling said well was completed on the 26 day of November, 1948.

And further deponents saith not.

Bethel Wade
C. R. De Lay

Sworn to and subscribed before me this 20 day of December, 1948.

James C. Castwright
Notary Public

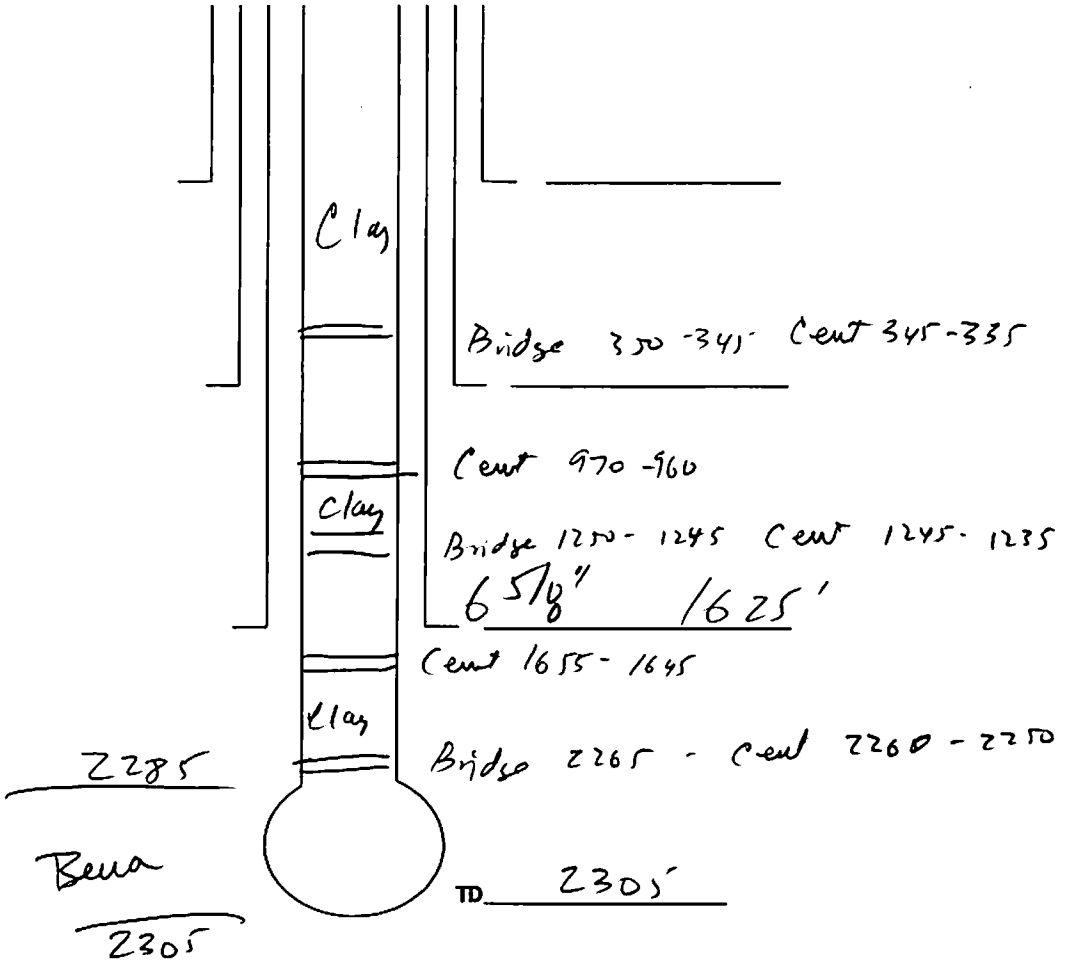
My commission expires: July 9 1958

Permit No. [illegible]

6 0x14 12

Griffithsville Unit #2 Field

47-043- 3058



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 13

Farm Name: Leonard Oxley

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2530

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 414,819 Northing: 4,233,941

Elevation: 314

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Need WR3P - NA

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

Well No. 13 Leonard Oxley Farm Acres

Lease. No. Neal District Lincoln County W Va State

G A Jackson Contractor SOUTH PENN DRILLING TOOLS AC. Contractor

Drilling Commenced Dec 5 1917 Drilling Completed Jan 17 1918

N. S. E. W.

ROCK FORMATION	TOP	BOTTOM	STEEL LINE MEASUREMENT	REMARKS
Conductor		16		
Sand	16	31		
Red rock	31	71		
Sand	71	120		
Slate	120	200		
Sand	200	260		
Red rock	260	340		
Sand	340	380		
Coal	380	384		
Sand	384	484		
Slate	484	544		
Sand	544	600		
Slate	600	610		
Coal	610	615		
Sand	615	630	625	
Slate	630	650		
Sand	650	850		
Slate	850	900		
Sand	900	965		
Slate	965	1105		
Sand	1105	1125		
Slate	1125	1195		

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT

	PUT IN WELL		PULLED OUT		LEFT IN WELL	
SIZE	FEET	IN.	FEET	IN.	FEET	IN.

Shot Date

Amount

Sand

Result

Packer Size

Depth Set

Production First 24 Hours ... Bbls. Gas Test ... ...

Well No. 13 Leonard Ogley cmp Farm Acres
Lease No. District County State
Contractor Contractor
Drilling Commenced 191 Drilling Completed 191
N. S. E. W.

ROCK FORMATION	TOP	BOTTOM	STEEL LINE MEASUREMENT	REMARKS
Salt Sand	1195	1731		
Water hole full	1220			
Gas	1235			
Slate	1731	1771		
Little Lime	1771	1808		
Pencil Cave	1808	1814		
Big Lime	1814	2012	1822	
" Injun Sand	2012	2100		
Slate & Shells	2100	2490		
Brown Shale	2490	2510		
Berea Sand	2510	2530	2510	
Oil	2512	2530		
Total depth		2530	2530	

E.

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT

	PUT IN WELL		PULLED OUT		LEFT IN WELL	
SIZE	FEET	IN.	FEET	IN.	FEET	IN.
8 1/4	625		243			
6 5/8	1857					

Shot Date 1/21/18
Amount 80 qts.
Sand Berea.
Result Open Flow

Packer Size

Depth Set

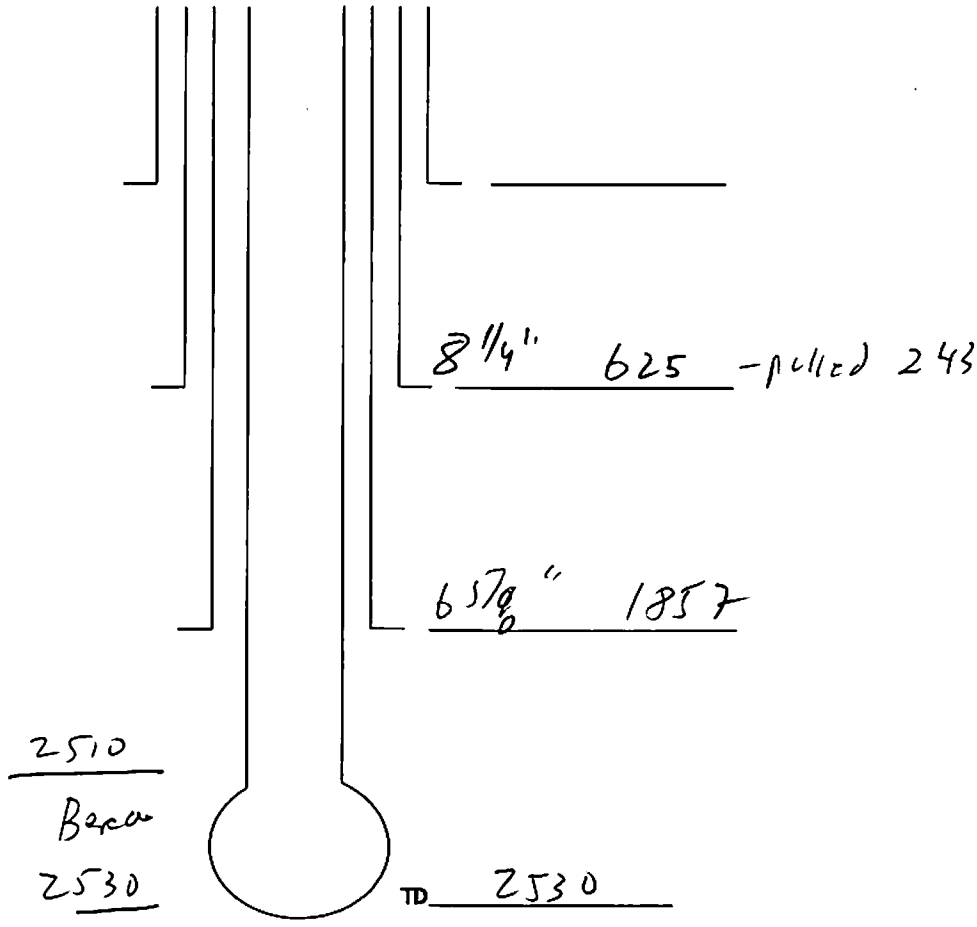
Production First 24 Hours 5 Bbls. Gas Test

Approved by A. H. Anshutz Superintendent

L Dxh 13

Griffithsville Unit #2 Field

47-043-



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 14
Farm Name: L Ostley
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2541
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,132 Northing: 4,234,375
Elevation: 319
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Need WR 38 NA

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

RECORD of Well No. 14 on Leonard A. Ley Farm Acres

Field, Dunn District Ceredo County WV

Rig Commenced 19 , Completed 19

Drilling Commenced May 11 1917, Completed June 25 1917

Cost per foot, 17½ Contractor, Hawley & Furman Dwl Address,

Drillers' Names Roscoe Harris & Arth. Shamblock

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4⅜ Inch
16				635		1840				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4⅜ Inch
16						1840				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
6/28/17	80 qts.			

GAS WELL

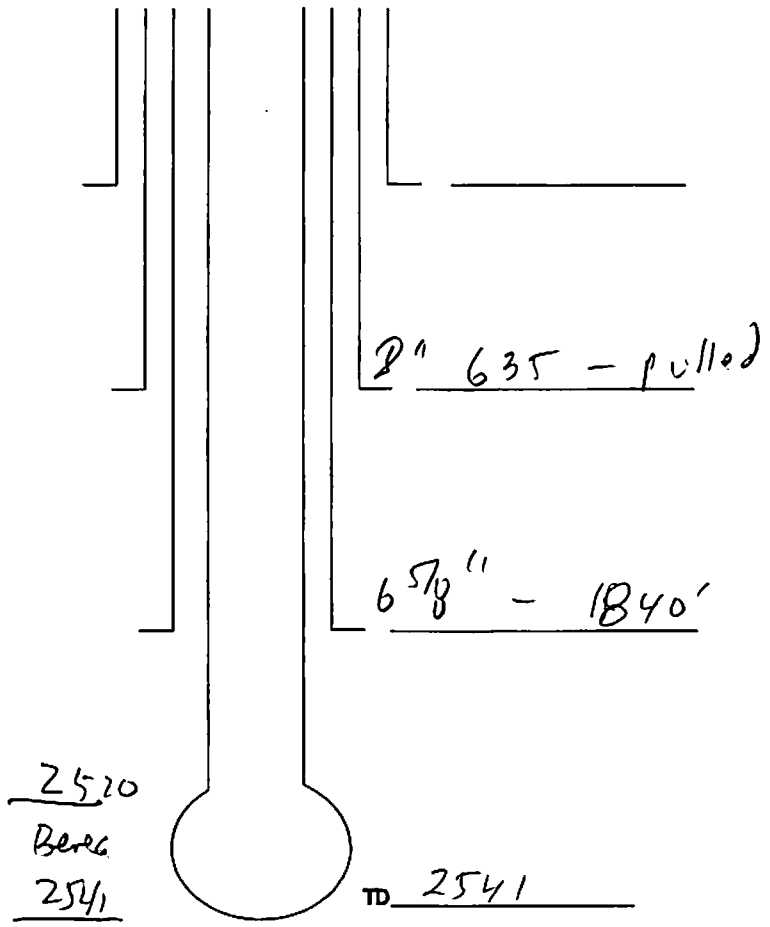
Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressu

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Clay		20	20	El=
Sand	20	40	20	
Slate	40	120	80	
Sand	120	170	50	
Slate	170	230	60	
Sand	230	260	30	
Slate	260	400	140	
Sand	400	630	230	
Coal	630	633	3	two bailers water for Shr. in Coal
Sand	633	800	167	
Slate	800	900	100	
Sand	900	1050	150	
Slate	1050	1100	50	
Sand	1100	1150	50	
Slate	1150	1200	50	100.000' Gas in Salt Sand @ 1250
Salt Sand	1200	1760	560	Hole full water at 1260'
Slate	1760	1790	30	
Black Lime	1790	1825	35	
Pencil Cave	1825	1831	6	
Big Lime	1831	2020	189	
Edgyne Sand ?	2020	2090	70	
Slate	2090	2190	100	
Shells	2190	2280	90	
Slate & Shells	2280	2500	220	
Black Shale	2500	2520	20	
Berea Sand	2520	2541	21	

L 0 x 1/4 14

Griffithsville Unit #2 Field

47-043-



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30893 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 15
Farm Name: L Oxley
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2453
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,051 Northing: 4,234,207
Elevation: 290
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

CORD of Well No. 15 on Leonard Wheeley Farm Acres

Field, District County

Rig Commenced 19 , Completed 19

Drilling Commenced Oct 5 1916, Completed Nov 9 1916

Cost per foot, 11⅓ Contractor Hawley & Freeman Bros Address Hawley, W. Va.

Drillers' Names Charles Mann & Roscoe Davis

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4⅝ Inch
16				525'		1790				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4⅝ Inch
16						1790				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
11/11/16	80 qts			

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		16	16	El = 960 50
Slate	16	20	4	
Red Rock	20	50	20	
Slate	50	100	50	
Sand	100	120	20	Gas in Big Lime at 1881'
Slate	120	200	80	
Sand	200	230	30	
Slate	230	300	70	
Sand	300	520	220	
Coal	520	525	5	
Slate	525	555	30	
Sand	555	800	245	Hole full of Salt Water at 1200'
Slate	800	850	50	
Sand	850	900	50	
Slate	900	1000	100	
Sand	1000	1050	50	
Slate	1050	1100	50	
Salt Sand	1100	1711	611	
Slate	1711	1741	30	
Little Lime	1741	1776	35	
Pencil Cave	1776	1781	5	
Big Lime	1781	1971	190	
Big Injun	1971	2041	70	
Slate	2041	2141	100	
Sunset Shells	2141	2231	90	
Slate	2231	2412	181	
Brown Shale	2412	2432	20	
Berea Sand	2432	2453	21	

47-043-30893

FORM OG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30893

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE COAL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
LEASE OR PROPERTY OWNER
ADDRESS

U. S. H. Supply Company
c/o Hallie Pack, OF WELL OPERATOR
Hamlin, West Virginia
COMPLETE ADDRESS

August 1 19 50

WELL AND LOCATION

Duval District
Lincoln County
Well. No. 15
Le Oxley Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Hal Pack and being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 24 day of July, 19 50, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CSG LEFT IN
		2433'				
Bridge Set At	Cement	2433	2423			
	Crushed Stone	5'				
	Red Clay to	1820'				
	Neat Cement	1820	1810			
	Crushed Stone	5'				
		1500				
Bridge Set At	Cement	1500	1490			
	Crushed Stone	5'				
	Red Clay to	1090'				
	Cement	1090	1080			
	Crushed Stone	5'				
		400				
Bridge Set At	Cement	400	390			
	Crushed Stone	5'				
COAL SEAMS	Clay to Surface			DESCRIPTION OF MONUMENT		
				Erected Marker According		
				Rule 18, 1931 Regulations		

AUG 7 1950
DEPT. OF MINES

and that the work of plugging and filling said well was completed on the 31 day of July, 19 50.

And further deponents saith not.

x Hal Pack
x W C Pack

Sworn to and subscribed before me this 4 day of Aug, 19 50.

Notary Public.

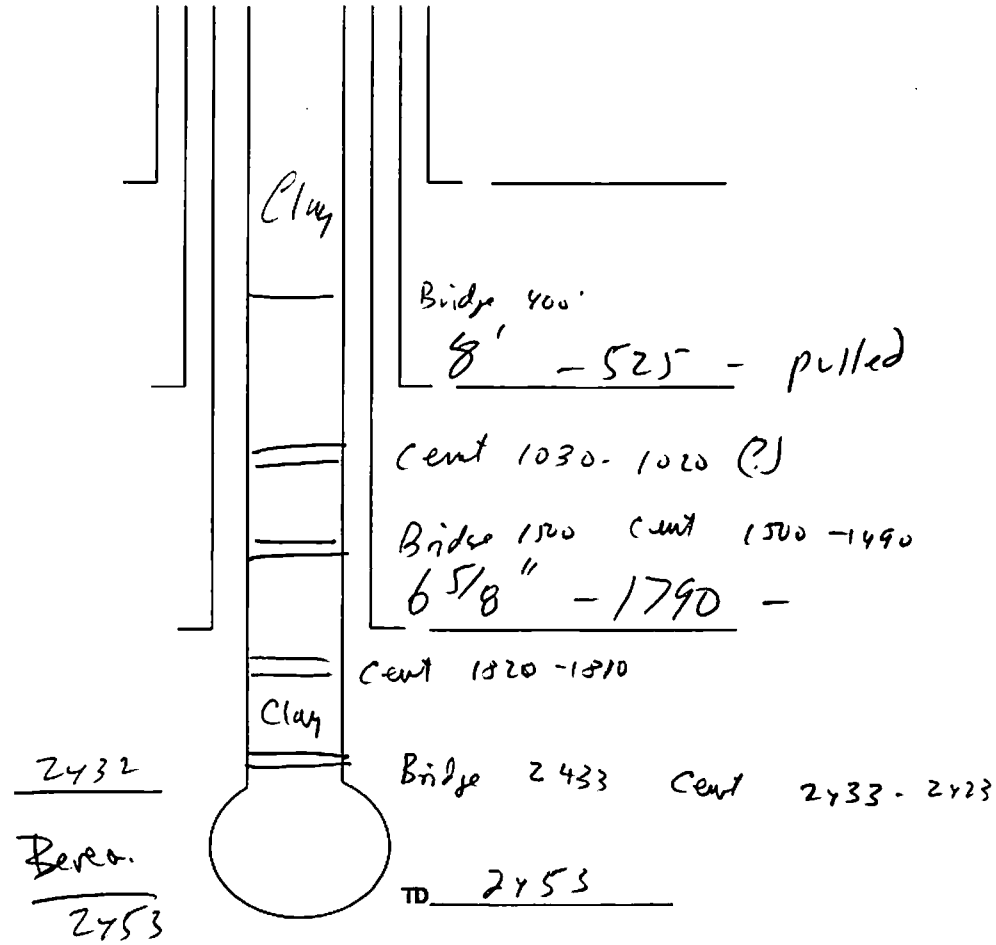
My commission expires: April 1, 1957

Permit No. 895

L Oxly 15

Griffithsville Unit #2 Field

47-043- 30 893



no mention of casing.

From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(329)

AOR - Well Review Checklist

API Number: 47- 043 - 30795 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 16

Farm Name: C Oxley

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2459

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 414,952 Northing: 4,234,063

Elevation: 794

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

RD of Well No. 16 on Leonard Ritchey Farm Acres

Field, District County

Rig Commenced 19 , Completed

Drilling Commenced March 27 1917, Completed May 1

Cost per foot, 1.25 Contractor Hackney & Hartman Drlg Co Address, Grafton

Drillers' Names Roscoe Hastie and T. L. Hill Elevation

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch
16				530		1754			

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch
16				—		1754			

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set
5/4/17	80 qts						

GAS WELL

Tubing	1st Minute Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		16	16	El = 96[illegible]
Sand	16	36	20	Hole full salt water 1,
Slate	36	86	50	
Sand	86	126	40	Casing in Lime 5"
Slate	126	196	70	
Sand	196	246	50	Gas in Lime 120'
Slate	246	346	100	
Sand	346	546	200	
Coal	546	550	4	
Slate	550	580	30	
Sand	580	780	200	47-041-30795
Slate	780	830	50	
Sand	830	930	100	
Slate	930	1000	70	
Sand	1000	1050	50	
Slate	1050	1090	40	
Salt Sand	1090	1679	589	
Slate	1679	1709	30	
Black Lime	1709	1744	35	
Pencil Cave	1744	1749	5	
White Lime	1749	1939	190	
Big Injun	1939	1999	60	
Slate	1999	2099	100	
Shells	2099	2189	90	
Slate	2189	2419	230	
Brown Shale	2419	2439	20	
Berea Grit	2439	2459	20	

47.043-
043-30795

FORM GG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

NAME OF WELL OPERATOR: G.S.H. SUPPLY CO.

COMPLETE ADDRESS: Box 895, Tulsa, Okla.

WELL AND LOCATION

July 19, 1949

Duval District

Lincoln County

Well No. 16

L. Oxley Farm

STATE INSPECTOR SUPERVISING PLUGGING: Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

John Wright and Leslie McClure being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by H. M. Tripplehorn contractor, and participated in the work of plugging and filling the above well, that said work was commenced on the 1st day of July, 19 49, and that the well was plugged and filled in the following manner:

COAL SEAMS / SAND OR ZONE RECORD FORMATION	FILLING MATERIAL KIND	FROM	TO	PLUGS USED SIZE & KIND	CASING PULLED	CASING LEFT IN
	Cement & rock	2409	2394	5-3/16	1798	0
	Clay	2394	2325	6-5/8	1754	0
	Cement & rock	2325	2310			
	Cement & rock	1999	1984			
	Clay	1984	1784			
	Cement & rock	1784	1769			
	Cement & rock	1200	1185			
	Clay	1185	1070			
	Cement & rock	1070	1055			
	Cement & rock	250	235			
	Clay	235	surface			

DESCRIPTION OF MONUMENT

Cement block
G. S. H. Supply Co.
L. Oxley 16
7-12-49

and that the work of plugging and filling said well was completed on the 12th day of July, 1949.

And further deponents saith not.

John Wright
Leslie McClure

Sworn to and subscribed before me this 12 day of July, 1949.

J. Roll
Notary Public.

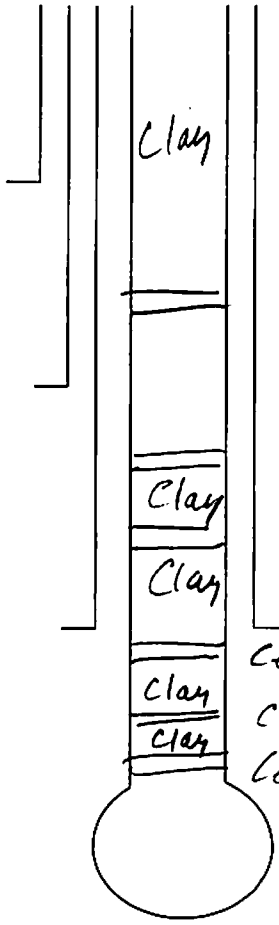
My commission expires: 10-9-57

Permit No. LIN-795

h 0 x/cy 16

Griffithsville Unit #2 Field

47-043- 30795



Cemt + rock 250 - 235

8" - 550' - pulled

Cemt + rock 1070 - 1055

Cemt + rock 1200 - 1185

6 5/8" 1754 - pulled

Cemt + rock 1784 - 1769

Cemt + rock 2325 - 2310

Cemet + rock 2409 - 2394

TD _____

4 5 3/16 Csng

1798'

pulled

From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

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AOR - Well Review Checklist

API Number: 47- 043 - 30796 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 6 17
Farm Name: L Oxley
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: ~~2643~~ 2314
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,195 Northing: 4,234,162
Elevation: 244
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

Well No. 17 Leonard Apley et ux Farm Acres
Lease No. District County State
Contractor Contractor
Drilling Commenced 191 Drilling Completed 191
N. S. E. W.

ROCK FORMATION	TOP	BOTTOM	STEEL LINE MEASUREMENT	REMARKS
Oil Total depth	2295	2314 2314	2314	

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT

	PUT IN WELL		PULLED OUT		LEFT IN WELL	
SIZE	FEET	IN.	FEET	IN.	FEET	IN.
8¼	408		408			
6⅝	1642	8				

Shot Date 11-28-17 11-28-17
Amount 80 qts 80 qts
Sand Berea
Result

Packer Size

Depth Set

Production First 24 Hours 6 Bbls. Gas Test

Approved by A. M. Anchutz Superintendent

47-043-30796

Well No. 17 Leonard Exley Farm Acres
Lease No. Duval District Lincoln County WVa State
H. Exley Contractor SOUTH PENN DRILLING TOOLS Co. Contractor
Drilling Commenced Oct 22 1917 Drilling Completed Nov 26 1917
N. S. E. W.

ROCK FORMATION	TOP	BOTTOM	STEEL LINE MEASUREMENT	REMARKS
Conductor		16		
Red rock	16	90		
Slate	90	190		
Sand	190	240		
Coal	240	245		
Slate	245	360		
Sand	360	395		
Coal	395	400		
Slate	400	540	405	
Sand	540	610		
Slate	610	740		
Sand	740	860		
Slate	860	975		
Salt Sand	975	1580		
Water hole pipe	1035			
Slate	1580	1590		
Little Lime	1590	1616		
Pencil	1616	1622		
Big Lime	1622	1812	1630	
Big Injun	1812	1872		
Slate & Shells	1872	2292		
Berea Sand	2293	2314	2293	

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT

PUT IN WELL		PULLED OUT		LEFT IN WELL	
SIZE	FEET	IN.	FEET	IN.	FEET	IN.

Shot Date 11/28/17 — 80 qts.
Amount
Sand
Result

Packer Size

Depth Set

Production First 24 Hours..... Bbls. Gas Test.....

Approved by..... Superintendent

FORM OG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30796

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
LEASE OR PROPERTY OWNER
ADDRESS

G. S. & H. Supply
NAME OF WELL OPERATOR
Box 895, Tulsa, Okla.
COMPLETE ADDRESS
July 10, 19 49
WELL AND LOCATION
Duval District
Lincoln County
Well No. 17
L. Oxley Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

John Wright and Everett Hodge being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by H. H. Tripplehorn, and participated in the work of plugging and filling the above well, that said work was commenced on the 23rd day of June, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Cement & rock	2273	2258	6-5/8"	1637	0
	Clay	2258	2175	5-3/16"	1730±	0
	[illegible]	[illegible]	[illegible]			
	Cement & rock	2175	2160			
	Cement & rock	1872	1857			
	Clay	1857	1672			
	Cement & rock	1672	1657			
	Cement & rock	1100	1085			
	Clay	1085	955			
	Cement & rock	955	940			
	Cement & rock	250	235			
	Clay	235	surface			

COAL SEAMS	DESCRIPTION OF MONUMENT
(CASE)	Cement block
(CASE)	G. S. & H. Supply
(CASE)	L. Oxley 17
(CASE)	6-30-49

and that the work of plugging and filling said well was completed on the 30th day of June, 19 49.

And further deponents saith not.

John Wright
Everett Hodge

Sworn to and subscribed before me this 1st day of July, 19 49.

J. R. Clark
Notary Public.

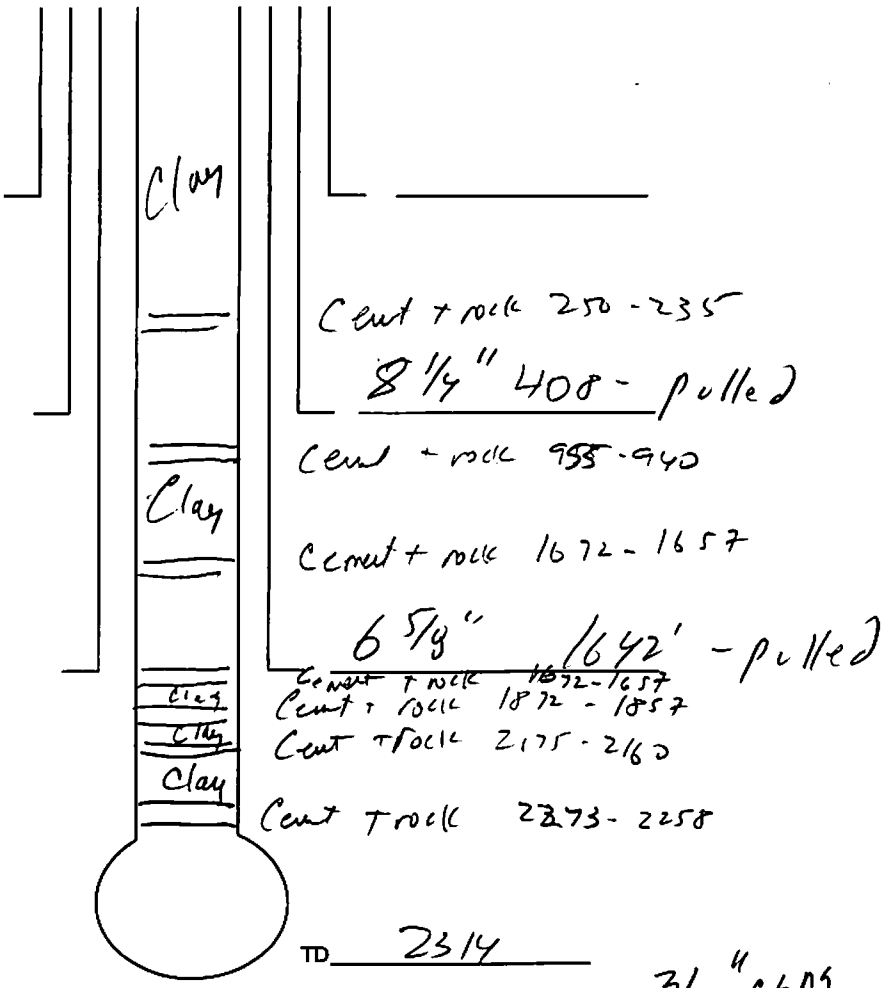
My commission expires:
10-9-57

Permit No. LIN-796

L Oxley #17

Clover Field

47-087-30796



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

(33)

AOR - Well Review Checklist

API Number: 47-043 - 03425 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: M-6
Farm Name: L Dailey
Field Name: South Williamstown Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☒ Observation ☐ Other ☐
Well Status: Active ☒ Abandoned ☐ Plugged ☐
TD of well: 4610
Completion Zones: Shale Perforated Interval: 2820 – 4562

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,290 Northing: 4,233,955
Elevation: 313
Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT: _____	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☒	Yes ☐	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0
Bottom Hole Injection Pressure 0
Hydrostatic Pressure 0

Comments:

Shale well Berea Created over

Reviewer Name: _____ Signature: _____
Date Reviewed: _____

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

WR-35

10/02/2009

API # 47 043 03425

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

COPY

Farm name: DEARDORFF, ANITA PAGE Operator Well No.: L. OXLEY M-6

LOCATION: Elevation: 1,045' Quadrangle: GRIFFITHSVILLE 7.5'

District: DUVAL County: LINCOLN
Latitude: 150 Feet south of 38 Deg 15 Min 00 Sec.
Longitude: 2,850 Feet west of 81 Deg 57 Min 30 Sec.

Company: EAST RESOURCES, INC.
P.O. BOX 5519
VIENNA, WV 26105-5519

Agent: PHILIP S. ONDRUSEK

Inspector: RALPH TRIPLETT
Permit Issued: 10/02/09
Well work Commenced: 10/22/09
Well work Completed: 10/27/09
Verbal plugging
permission granted on:
Rotary X Cable Rig
Total Depth (feet) 4610
Fresh water depths (ft) NA

Salt water depths (ft) NA

Is coal being mined in area (Y/N) N
Coal Depths (ft): NA

Casing/ tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	463'	463'	345 sks
8 5/8"	1855'	1855'	305 sks
5 1/2"	4617.95'	4617.95'	180 sks

OPEN FLOW DATA

Producing formation Marcellus Pay zone depth (ft) 4534'- 4562'
Gas: Initial open flow show MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests Hours
Static rock pressure psig (surface pressure) after Hours

Second producing formation Devonian Pay zone depth (ft) 2820'- 4460'
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d
Final open flow MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests Hours
Static rock pressure psig (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM, PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: EAST RESOURCES, INC.
By:
Date: 9/1/10

WVDEP OOG Internal Use Only
Rev. 6/14/16

(532)

AOR - Well Review Checklist

API Number: 47- 043 - 00451 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 1
Farm Name: E A Ranson
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☑ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2417
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 418, 525 Northing: 4,236,126
Elevation: 274
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☑

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-00451

Well No. 1 Z.A. Ranson Farm 25½ Acres
Lease No. 20118 Duval Township District Lincoln County W. Va. State
S.S. Stephens Rig Contractor S.P.N.G. Co. Drilling Contractor
Drilling Commenced Oct. 26 1943 Drilling Completed Dec. 20 1943
N. S. 79 E. W. 15 Elevation Floor 911 Ground 905.47

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Surface	0	8		
Red Rock	8	30		
Sand	30	55		
Slate	55	80		
Red Rock	80	146		
Slate	146	156		
Red Rock	156	215		
Blue Slate	215	222		
Lime Shells	222	245		
Sand	245	280		
Slate & Shells	280	400		
8⅝" Casing		333	333	
Sand	400	420		
Slate & Shells	420	450		
Sand	450	515		
Slate & Shells	515	530		
Sand	530	555		
Slate	555	615		
Sand	615	650		
Slate & Shells	650	690		
Sand	690	718		
Slate	718	815		

Continued next above

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.

Shot Date
Amount
Sand
Result
Packer Size
Depth Set

Production First 24 Hours Bbls. Gas Test

Approved by Superintendent

Well No. 1 Z. A. Ranson Farm 25½ Acres

Lease No. 20118 Duval Township District Lincoln County W. Va. State

S. S. Stephens Rig Contractor S.P. N Gas Co. Drilling Contractor

Drilling Commenced Oct. 26 1943 Drilling Completed Dec. 20 1943

N. S. 79 E. W. 75 Elevation Floor 911 Ground 908.47

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Sand	815	860		
Slate and Shells	860	1050		
Lime	1050	1100		
Salt Sand	1100	1487		
Water		1120		Hole Full
Slate	1487	1498		
Sand	1498	1680		
Slate	1680	1683		
Little Lime	1683	1706		
Pencil Cave	1706	1708		
Big Lime	1708	1886		
7" Casing		1718	1718	
Gas		1810		Show
Big Injun Sand	1886	1941		
Water		1932		1 Bailer per Hr.
Black Lime	1941	1960		
Slate and Shells	1960	2045		
Big Shell	2045	2120		
5½" Casing		2054	2054	
Slate and Shells	2120	2368		
Brown Shale	2368	2390		
Berea Sand	2390	2412		

Continued below

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well		Shot Date
Size	Feet	In.	Feet	In.	Feet	In.	Amount
							Sand
							Result
4.							
							Packer Size
							Depth Set

Production First 24 Hours..... Bbls. Gas Test.....

Approved by..... Superintendent

47-043-00451

Well No. 1 Z.A. Ranson Farm 25½ Acres
Lease No. 60118 Duval Township District Lincoln County W. Va. State
S.S. Stephens Ric Contractor S.P.N.G.Co. Drilling Contractor
Drilling Commenced Oct. 26 1943 Drilling Completed Dec. 20 1943.
N. S. 79 E. W. 75 Elevation Floor 911 Ground 908-6

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Oil	2395	2402	2395	
Black Lime	2412	2417		
Total Depth		2417	2417	

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
8 5/8"	333		333			
7"	1718					
5-½"	2054					
2"	2410					

Shot Date 12-22-43
Amount 60 Qts
Sand 2388 2415
Result -
90 FF Fluid in hole when Shot
Tamped with 35 Rock
Packer Size 6 5/8 x 5 3/16 Bottom Hole
6 5/8 x 8 5/8 S.U. Midget
Depth Set 2057 G.L. 12-30-43
1718 Mud 1-24-45

Production First 24 Hours 10 Bbls. Gas Test

Approved by G. N. Crummett Superintendent

API# 47- 043-0451

WR-38
Rev. 5/08

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm Name: Z.A. Ranson
Location: Elevation: 908'
District: Duval
Latitude: _____ Feet South of: _____ Deg. _____ Min. _____ Sec.
Longitude: _____ Feet West of: _____ Deg. _____ Min. _____ Sec.

Operator Well No.: No.1
Quadrangle: Garrett's Bend 7.5'
County: Lincoln

Well Type: Oil X Gas _____ WIW _____

Company: East Resources Inc.
P.O. Box 5519
Vienna, WV 26105
Agent: Philip S. Ondrusek

Coal Operator or Owner: NA

Coal Operator or Owner: _____

Permit Issued: 4/19/10

AFFIDAVIT

State of West Virginia, County of Wood ss:

Mark Miller and Paul Stevens being first duly sworn according to law, depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed b the above operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 31st day of August, 20 10 and the well was plugged and filled in the following mar

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2380'	2280'		
Cement	1880'	1650'		
Cement	1113'	1000'		
Cement	550'	450'		
Cement	385'	280'		
Cement	109'	0'		
		Perforated 6 5/8" casing, 3 shots from 1052' - 1048', 502' - 498',		
		330' - 325' & 100' - 96'.		
6% Gel Between Cement Plugs				

Description of monument: 5 1/2" x 5'
and filling said well was completed on the 14th day of September, 20 10

And further deponents saith not.

Mark Miller
Roger McConnell

Sworn and subscribed before me this 24 day of September, 20 10

My commission expires: Nov. 12, 2018

Notary Public

Affidavit reviewed by the Office of Oil and Gas:

Title: District Inspector

RECEIVED
Office of Oil & Gas
SEP 28 2010
WV Department of Environmental Protection

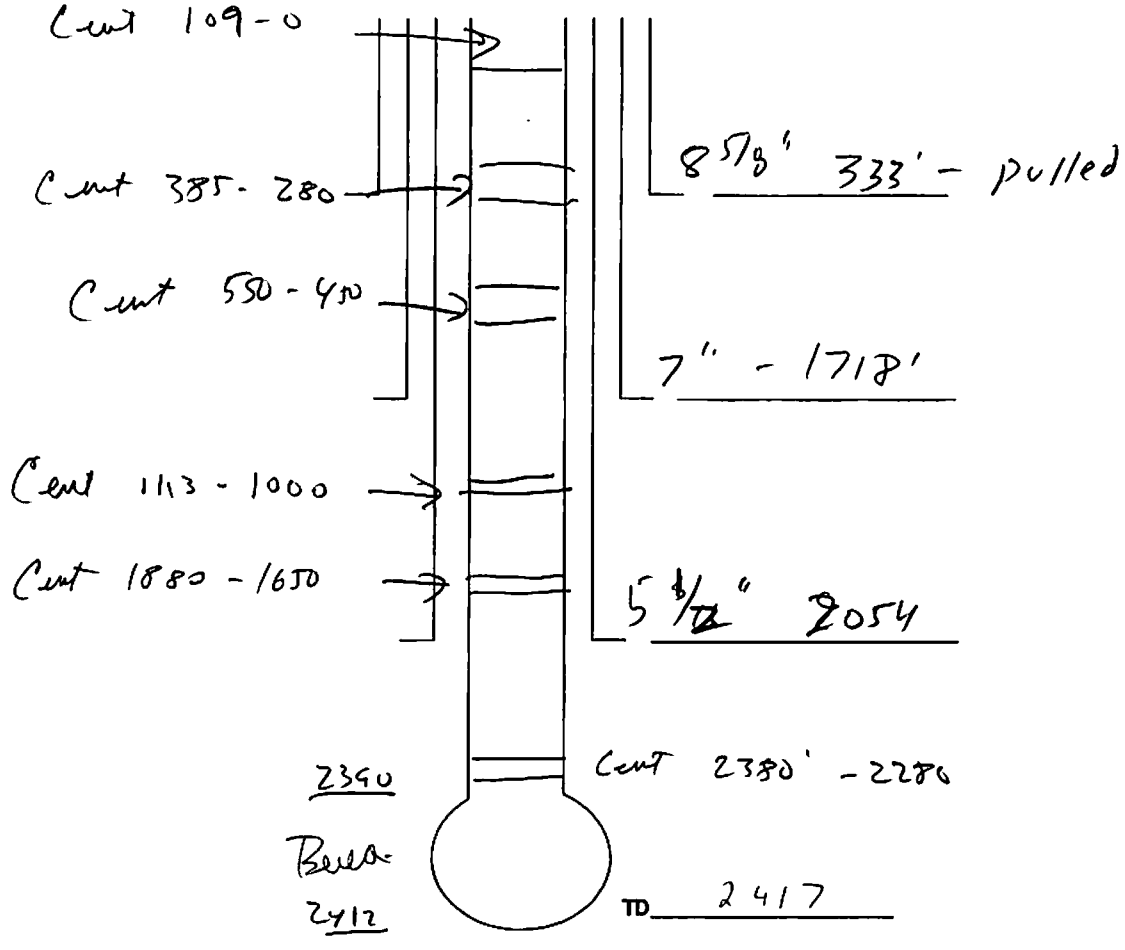
OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
TINA L. PEITHTEL
East Resources, Inc
P. O. Box 5519
Vienna, West Virginia 26105
My Commission Expires Nov. 12, 2018

10/08/20

2A Ranson 1

Griffithsville Unit #2 Field

47-043- 00451



From Drillers Records/Plugging Records

Unable to pull casing
Perforated

WVDEP OOG Internal Use Only
Rev. 6/14/16

333

AOR - Well Review Checklist

API Number: 47- 043 - 30563 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 1

Farm Name: HE Ridenour

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2573

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,484 Northing: 4,232,764

Elevation: 324

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30563

Record of Well No. 1 on H. C. Richardson Farm Acres Griffith
Wells Field Oceola District Lincoln County Wetzel
Rig Commenced ____ 19____. Completed ____ 19____
Drilling Commenced Sept 30 1909. Completed Nov 10 1909
Cost per foot. 1.10 Contractor. Wiley Bros. Address, Hackney.
Drillers' Names, J. H. Chichester, Jno Hanna & Wm Chichester

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6¼ inch	6¼ inch	5¼ inch	5 inch	4¼ inch
11'						1870				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6¼ inch	6¼ inch	5¼ inch	5 inch	4¼ inch
11						1870				

OIL WELL — GAS WELL

When Shot	Size of Torpedo	1st Day's Production	2nd Day's Production	Rock Pressure	Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
11/12/09	70 qts	4/12/10	200 qts						

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Alluvium		11	11	Elev.
Slate	11	50	39	Reduced hole from 10".
Sand	50	100	50	to 8" at 450" No Casing
Slate	100	135	35	used
Sand	135	300	165	
Slate	300	446	146	Top Salt Sand 1190
Coal	446	450	4	Little gas at 1145
Sand	450	650	200	Big water at 1220
Slate	650	700	50	
Sand	700	800	100	
Slate	800	900	100	
Sand	900	950	50	
Slate	950	1050	100	
Sand	1050	1100	50	
Slate	1100	1190	90	
Salt Sand	1190	1840	650	
Black Lime	1840	1875	35	
Little Lime	1875	2025	150	
Big Lime	2025	2085	60	
Berea Shale	2085	2552	467	
Berea Sand	2552	2572	20	
Bottom hole	2573			

DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30563

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

South Penn Natural Gas Co.
LEASE OR PROPERTY OWNER

Parkersburg, W. Va.
ADDRESS

C. R. DeLay
NAME OF WELL OPERATOR

P. O. Box 49 Hamlin, W. Va.
COMPLETE ADDRESS

March 15 19 49
WELL AND LOCATION

Duval District

Lincoln County

Well No. 1

H. E. Hidenour Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

C. R. Delay and Guadalupe Saenz

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by C. R. DeLay, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 31 day of January, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Clay	2575	2500			
	Cement	2500	2490			
	Stone	2490	2485			
Permanent Bridge		2120	2115			
	Cement	2115	2105			
	Stone	2105	2100			
	Clay	2100	1900			
	Cement	1900	1890			
	Stone	1890	1885			
Pulled 6-5/8"	Casing loose and out as hole was filled				6-5/8	1870
Permanent Bridge		1355	1350			
	Cement	1350	1340			
	Stone	1340	1335			
	Clay	1335	1000			
	Cement	1000	990			
Permanent Bridge		355	350	DESCRIPTION OF MONUMENT		
	Cement	350	340	18"X18"X30" Concrete Block		
	Stone	340	335	February 2, 1949		
	Filled with mxx clay to surface					

and that the work of plugging and filling said well was completed on the 2 day of February, 1949.

And further deponents saith not.

Guadalupe Saenz

C. R. DeLay

Sworn to and subscribed before me this 18 day of April, 1949.

T. L. Parsons
Notary Public.

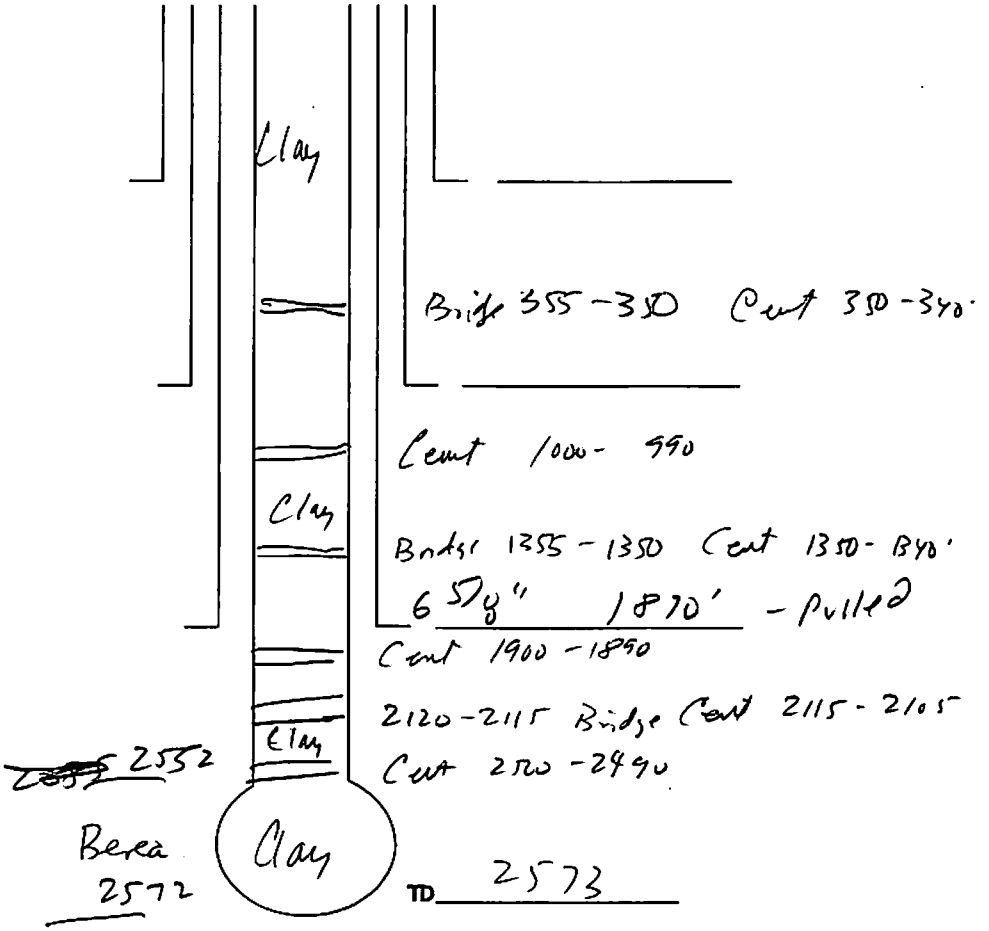
My Commission expires:
Aug. 16-1949

Permit No. [illegible]-51-3

HE Ridenour 1

Griffithsville Unit #2 Field

47-043- 30563



From Drillers Records/Plugging Records

• **WVDEP OOG Internal Use Only**
Rev. 6/14/16

(334)

AOR - Well Review Checklist

API Number: 47- 043 - 0 7 0 222 Area Permit Number: 2R AP

Operator Name: H6 Energ.

Operator's Well #: 2

Farm Name: H E Ridenour

Field Name: Grantsville #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☐ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☒ Abandoned ☐ Plugged ☐

TD of well: 2516

Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,325 Northing: 4,233,256.

Elevation: 309.

Inside Field Boundary? ☐ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT: _____	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth: _____	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Active

Reviewer Name: _____ Signature: _____

Date Reviewed: _____

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

RECORD of Well No. ... on ... Farm ... County, Wirt

Well ... Field, Duval H E R. ... District Newolue Co

Rig Commenced ... 19..., Completed ... 19...

Drilling Commenced Sept 7 1910, Completed Oct 9 1910

Cost per foot, 1½ Contractor, McBride & McBride Address, Parkersburg W. Va.

Drillers' Names, E. J. McMillen & J. Dunnigan

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6¼ Inch	6¼ Inch	5¾ Inch	5 3-16 Inch	4½ Inch
16			140			1840				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6¼ Inch	6¼ Inch	5¾ Inch	5 3-16 Inch	4½ Inch
16						1840				

OIL WELL — GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Hours Pressure	Rock Pressure
10/21/10	90 qts.									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Red Rock	10	10		El=1017.00
Slate	11	150	140	
Sand	150	305	155	
Coal	305	310	5	
Slate & Shells	370	445	135	
Lime & Sand	445	605	160	
Sand & Shells	605	845	240	
Sand	845	1110	265	
Slate	1110	1160	50	
Top Jack Sand	1160	1785	625	Water, Hole full 1170'
Slate	1785	1790	5	
Little Lime	1790	1830	40	
Pencil Slate	0	0		
Big Lime	1830	2015	185	
Red Injun	2015	2080	65	
Slate & Shells	2080	2205	125	
Lime & Sand	2205	2275	70	
Slate & Shells	2275	2473	198	
Brown Shale	2473	2493	20	
Berea Sand	2493	2516	23	Oil at 2502

Shot 7/29/26 - 100 qts.

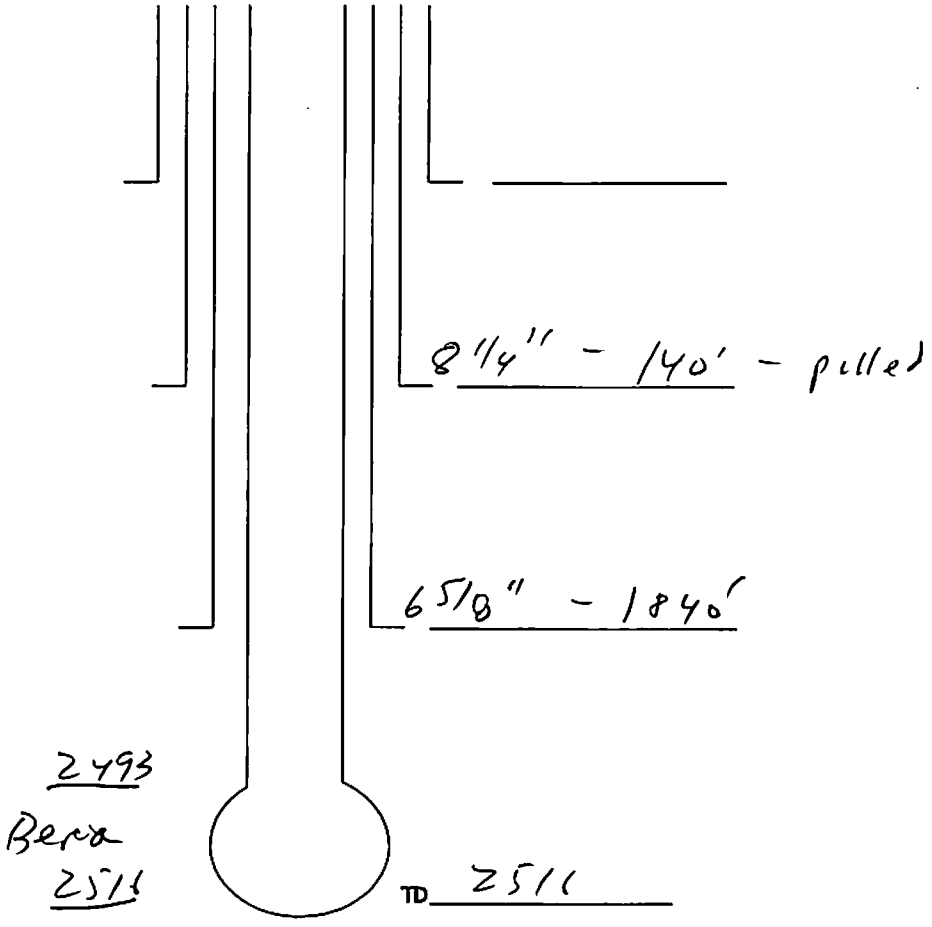
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47-043

HE 12, Deidour 2

Griffithsville Unit #2 Field

47-043- 70222



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

335

AOR - Well Review Checklist

API Number: 47- 043 - 02792 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: HE Rideout

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☒ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2417

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,476 Northing: 4,233,059

Elevation: 280

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-02292

02292

RECORD of Well No. 3 on H. E. Anderson m. Acres

Field, District County

Rig Commenced 10, Completed 19

Drilling Commenced Dec 18 1912, Completed Jan 27 1913

Cost per foot, 1.15 Contractor Yawkey & Inman Drlg Co Address, Yawkey, W. Va.

Drillers' Names E. J. Brown & P. Jr. Berry

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4½ Inch
15						1700				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4½ Inch
15						1700				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
1/29/13	80 qts.			

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface & Clay		15	15	Lime 3'
Sand	15	25	10	
Slate & Shells	25	305	280	490' 10" hole
Sand	305	345	40	
Slate	345	405	40	
Coal	405	410	5	
Sand	410	420	10	
Slate	420	530	110	
Coal	530	534	4	
Slate & Sand	534	974	440	
Slate	974	1020	46	Hole full of Water 1090'
Salt Sand	1020	1645	625	
Slate	1645	1655	10	
Little Lime	1655	1685	30	
Pencil Cave	1685	1690	5	Gas in Big Lime at 1820
Big Lime	1690	1875	185	
Big Injun	1875	1945	70	
Slate	1945	2025	80	
Shells	2025	2120	95	
Slate	2120	2374	254	
Brown Shale	2374	2394	20	
Berea Sand	2394	2417	23	

API# 47-

WR-38
Rev. 5/08

47-043-02292

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm Name: H.E. Ridenour
Location: Elevation: 918'
District: Duval
Latitude: _____ Feet South of: _____ Deg. _____ Min. _____ Sec.
Longitude: _____ Feet West of: _____ Deg. _____ Min. _____ Sec.

Operator Well No.: No.3
Quadrangle: Griffithsville 7.5'
County: Lincoln

Well Type: Oil X Gas _____ WIW _____

Company: East Resources Inc.
P.O. Box 5519
Vienna, WV 26105
Agent: Phillip S. Ondrusek

Coal Operator or Owner: NA

Coal Operator or Owner: _____

Permit Issued: 5/19/10

AFFIDAVIT

State of West Virginia, County of Wood ss:

Mark Miller and Paul Stevens being first duly sworn according to law, depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 6th day of July, 20 10 and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2380'	2280'	6 5/8" 0'	1700'
Cement	1880'	1780'	5 3/16" 1680'	0'
Cement	1755'	1655'		
Cement	955'	855'		
Cement	550'	450'		
Cement	100'	0'		
		Peforated 6 5/8" casing 4 shots from 903' - 897', 3 shots from		
		497' - 500' & 3 shots from 100' - 97'.		
6% Gel Between Cement Plugs				

Description of monument: 5" x 6' and that the work of plugging and filling said well was completed on the 15th day of July, 20 10

And further deponents saith not. Mark Miller Roger McClanahan

Sworn and subscribed before me this 21 day of July 2010, 20 ___

My commission expires: Nov. 12 2018

Notary Public Tina L Pethtel

Affidavit reviewed by the Office of Oil and Gas: Ralph D Triplett

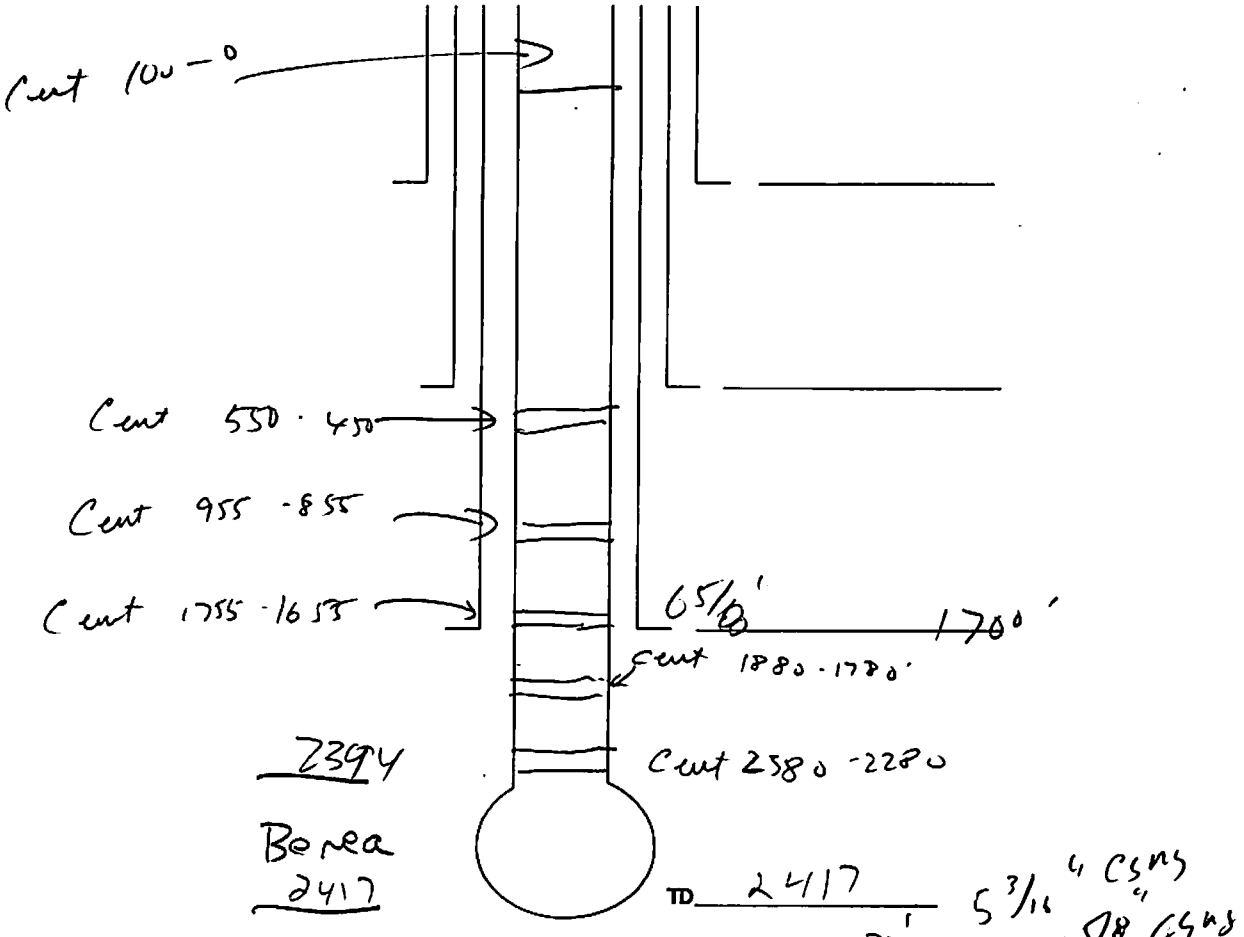
Title: District Inspector

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
TINA L. PETHTEL
East Resources, Inc
P. O. Box 5519
Vienna, West Virginia 26105
My Commission Expires Nov. 12, 2018

HE Ridenour 3

Griffithsville Unit #2 Field

47-043- 02292



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

AOR - Well Review Checklist

(336)

API Number: 47- 043 - 31028 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: H

Farm Name: HE Rixeour

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2450

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,099 Northing: 4,233,184

Elevation: 290

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐	
Date of Last MIT:	Passed?	No ☐	Yes ☐	
Open Hole Completion		No ☐	Yes ☒	
Well penetrates injection zone?		No ☐	Yes ☒	
Well perforated in injection zone?		No ☒	Yes ☐	
Cemented across injection zone?		No ☒	Yes ☐	
Packer immediately above injection zone (<100')?		No ☐	Yes ☐	No Packer ☐
		If No: Provide Depth:		
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒	

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-31028

RECORD of Well No. 4 on H.E. Wilson Farm Acres

Field, District County

Rig Commenced 19 Completed 19

Drilling Commenced Feb 10 1913. Completed March 25 1913

Cost per foot, 11½ Contractor, Hinchey & Hinman Ltd Address, Glenville, W. Va.

Drillers' Names C. J. Osborne & E. L. Shelton

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅛ Inch	5 3-16 Inch	4½ Inch
14						1765				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅛ Inch	5 3-16 Inch	4½ Inch
14						1765				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
3/19/13	80 qts.			

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conglomerate		14	14	Elev.
Slate	14	100	86	
Sand	100	140	40	
Red Rock	140	200	60	
Slate	200	300	100	
Sand	300	400	100	400' 10" hole
Coal	400	405	5	
Slate & Shells	405	600	195	
Sand	600	700	100	
Slate & Lime	700	1020	320	
Pencil Cave	1020	1060	40	Hole full of Water at 1100
Sand	1060	1720	660	
Little Lime	1720	1755	35	
Pencil Cave	1755	1760	5	
Big Lime	1760	1940	180	Shot - 150 qts. 3/13/13.
Big Injun	1940	2000	60	
Lime Shells	2000	2110	110	
Slate	2110	2410	300	
Brown Shale	2410	2430	20	
Berea Sand	2430	2450	20	

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-31028

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

Hal Pack & Company
NAME OF WELL OPERATOR

Hamlin, West Virginia
COMPLETE ADDRESS

June 4 19 51
WELL AND LOCATION

Duval District

Lincoln County

Well No. 4

H. E. Ridenhour Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

JOHN McCOLLISTER and LESLIE J. ADKINS being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hal Pack, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 23 day of May, 19 51., and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Bridge Set At	2400'		6-5/8"	1750'	None
	Neat Cement	2400'	2390'	5-3/16"	1794'	
	Crushed Stone	5'		2"	2442'	
	Clay		2350'	Rods	2410'	
	Bridge Set At	2000'				
	Neat Cement	2000'	1990'			
	Crushed Stone	5'				
	Clay		1780'			
	Neat Cement	1780'	1770'			
	Crushed Stone	5'				
	Bridge Set At	1100'				
	Neat Cement	1100'	1090'			
	Crushed Stone	5'				
	Clay		1000'			
	Neat Cement	1000'	990'			
COAL SEAMS	Bridge Set At	250'		DESCRIPTION OF MONUMENT		
(NAME)	Neat Cement	250'	240'	Erected Marker According		
(NAME)	Crushed Stone	5'		Rule 18, 1931 Regulations		
(NAME)	Clay to Surface					
(NAME)						

and that the work of plugging and filling said well was completed on the 31 day of May, 19 51.

And further deponents saith not.

John McCollister
Leslie Adkins

Sworn to and subscribed before me this 6 day of June, 1951.

My commission expires: April 1, 1957

Notary Public.

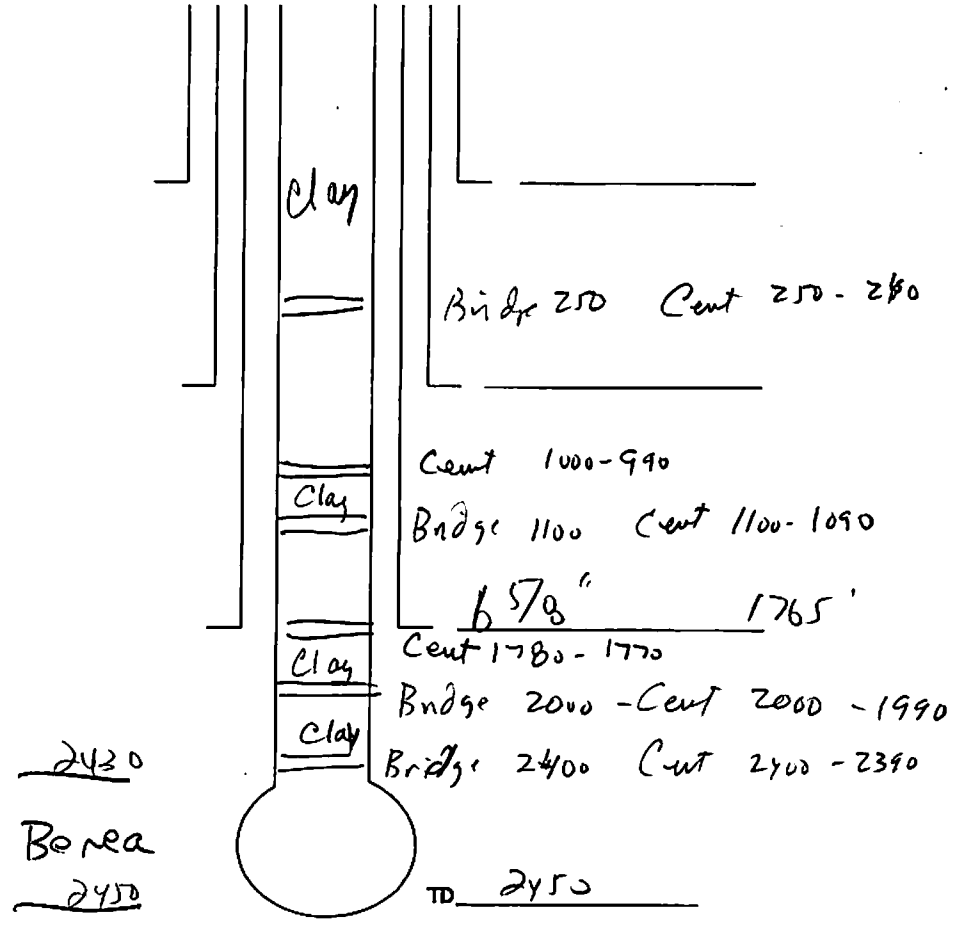
Permit No. LIN-1028

JUN 1951
WEST VIRGINIA
DEPARTMENT OF MINES

HE Ridenour 4

Griffithsville Unit #2 Field

47-043- 31028



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

337

AOR - Well Review Checklist

API Number: 47- 043 - Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 5

Farm Name: HE Pidenol

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well:

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,148' Northing: 4,232,952

Elevation: 262

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☐

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Need WR38 NA

API #

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

RECORD of Well No. 5 on H. C. Anderson Farm ____ Acres ____

Field, Garfield District Denial County Lincoln

Rig Commenced ____ 19____, Completed ____ 19____

Drilling Commenced Feb 24 1916 Completed March 29 1916

Cost per foot, 1.15 Contractor, Boone Drilling Co. Address, Sparks, Okla.

Drillers' Names E. K. Stutevagen, W. D. Rodgers, A. R. Bedsong

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4⅝ Inch
16						1649				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4⅝ Inch
16						~~1649~~				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
3/31/16	80 qt.			

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressu

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		16	16	El- 8[illegible]
Sand	16	100	84	
Slate	100	150	50	
Sand	150	200	50	
Slate	200	250	50	Reduced hole from 10" to 8"
Sand	250	300	50	at 305'
Coal	300	304	4	
Sand	304	500	196	
Slate	500	575	75	
Sand	575	625	50	
Slate	625	675	50	
Sand	675	750	75	
Slate	750	775	25	
Sand	775	850	75	
Slate	850	940	90	
Salt Sand	940	1605	665	
Black Lime	1605	1640	35	
Pencil Cave	1640	1645	5	
White Lime	1645	1825	180	
Sycamore	1825	1895	70	
Slate	1895	1985	90	
Shells	1985	2050	65	
Slate	2050	2313	263	
Brown Shale	2313	2333	20	
Bena Ent. sand	2333	2357	24	

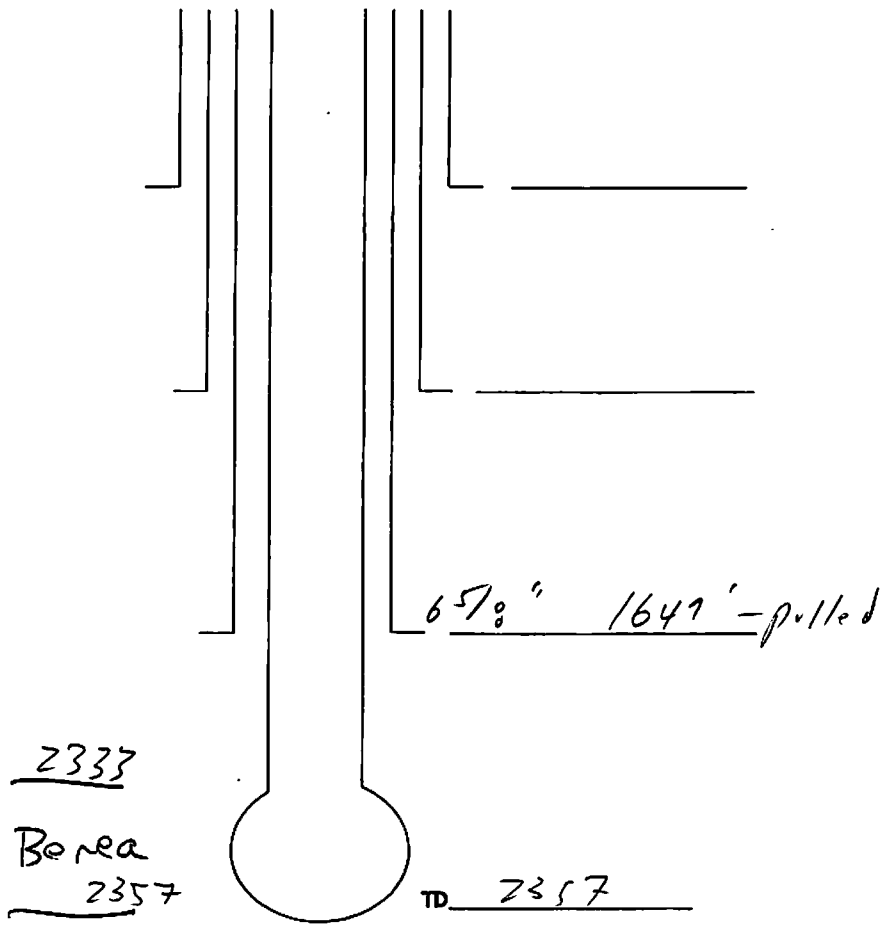
ABANDONED

JAN 18 1929

HE Rideout 5

Griffithsville Unit #2 Field

47-043-



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

338

AOR - Well Review Checklist

API Number: 47- 043 - 30580 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 6

Farm Name: HE Dodson

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☑ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2529

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,293 Northing: 4,232,817

Elevation: 311

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47-043-30580

RECORD of Well No. 6 on H.E. Robinson Farm ..... Acres .....

Field, ... District ..... County .....

Rig Commenced ..... 19..., Completed ..... 19...

Drilling Commenced Oct 28 1913, Completed Dec 23 1913

Cost per foot, 1.15 Contractor, Hawley & Freeman Drlg Co. Address, Hawley, WV

Drillers' Names, W.E. Williams, W.D. Hazelett

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6¾ Inch	6¼ Inch	5¾ Inch	5 3-16-Inch	4¼ Inch
14						1820				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6¾ Inch	6¼ Inch	5¾ Inch	5 3-16 Inch	4¼ Inch
14						1820				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
12/26/13	80 qts.			

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		14	14	El. 1
Sand	14	34	20	
Red Rock	34	99	65	
Slate	99	169	70	460' of 10" Shot
Sand	169	249	80	
Slate	249	309	60	
Sand	309	369	60	
Slate	369	455	86	
Coal	453	459	4	
Slate & Shell	459	1089	630	
Slate	1089	1130	41	
Salt Sand	1130	1753	625	
Slate	1753	1771	16	
Little Lime	1771	1806	35	Shot first of water 1700'
Pencil Cave	1806	1809	3	
Big Lime	1809	1994	185	
Big Injun	1994	2049	55	
Slate	2049	2119	70	
Sunx Sheels	2119	2244	125	
Slate	2244	2489	245	
Brown Shale	2489	2508	19	
Berea Sand	2508	2529	21	

FORM OG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30580

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

South Penn Natural Gas Co.
LEASE OR PROPERTY OWNER

Parkersburg, W. Va.

G. R. DeLay
NAME OF WELL OPERATOR

P. O. Box 49 Hamlin, W. Va.
COMPLETE ADDRESS

February 19 1949
WELL AND LOCATION

Duval District

Lincoln County

Well No. 6

H. E. Midenour Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lewson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

G. R. DeLay and Guadalupe Saenz

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by G. R. DeLay, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 5th day of Feb, 1949, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Clay	2529	1850			
	Cement	1850	1840			
	Stone	1840	1835		1820'	6-5/8"
Pulled 6-5/8" casing loose and cut as hole was filled						
	Clay	1835	1800			
	Cement	1800	1790			
Permanent Bridge		1355	1350			
	Cement	1350	1340			
	Stone	1340	1335			
	Clay	1335	1110			
	Cement	1110	1100			
Permanent Bridge		355	350			
	Cement	350	340			
	Stone	340	335			
	Filled with clay to surface					

COAL SEAMS				DESCRIPTION OF MONUMENT
(NAME)				18" X 18" _ 30" Concrete Block
(NAME)				
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 10th day of Feb, 1949.

And further deponents saith not. Guadalupe Saenz
G. R. DeLay

Sworn to and subscribed before me this 19th day of Feb, 1949.

WEST VIRGINIA DEPARTMENT OF MINES

Notary Public

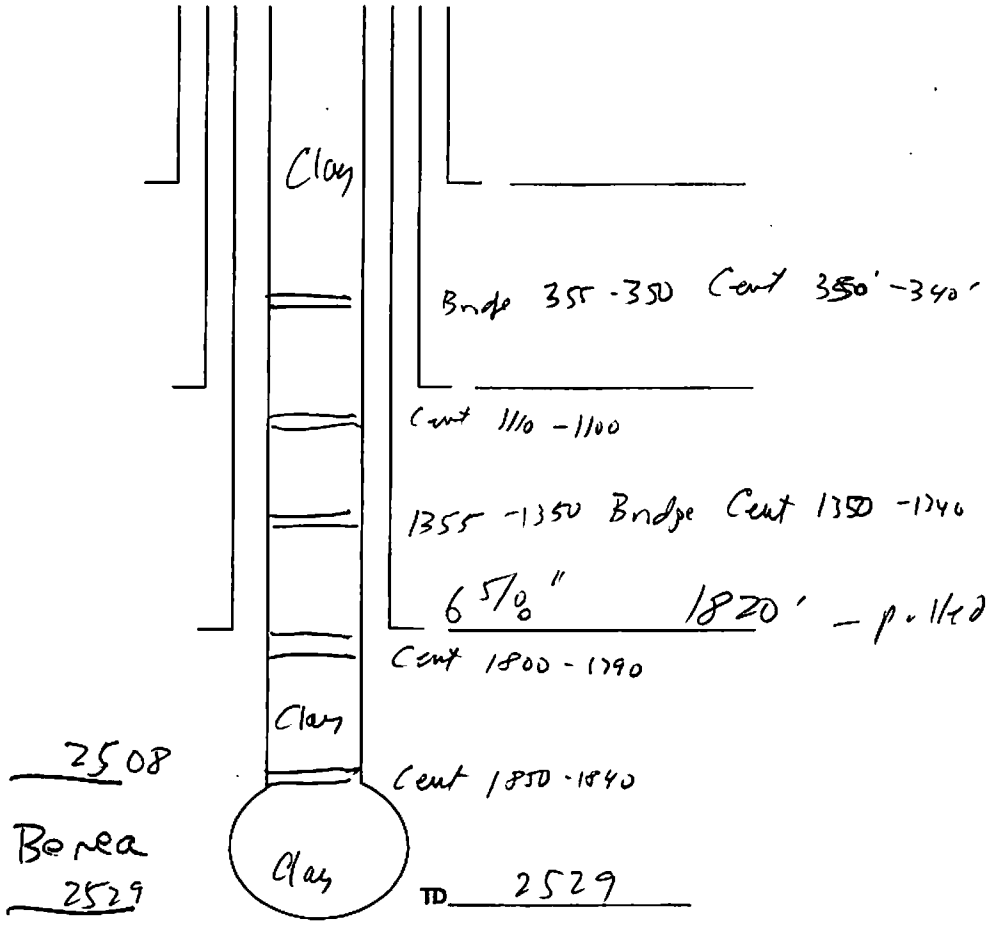
My commission expires: July 1 1951

Permit No. 580

H E Reservoir 6

Griffithsville Unit #2 Field

47-043- 30580



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

339

AOR - Well Review Checklist

API Number: 47- 043 - 02296 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 1

Farm Name: E 2 A Schillings

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2310

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 418,412 Northing: 4,235,854

Elevation: 944

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = 0

Bottom Hole Injection Pressure 0

Hydrostatic Pressure 0

Comments:

Reviewer Name: Signature:

Date Reviewed:

** Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

Production
First 24 Hours from ..... Sand ..... Bbls. By ..... Supt.

ELDER PRINTING & BINDING CO., PARKERSBURG, W. VA.

E.Z.A. Schilling Farm, No. of Lease ..... No. Acres.

District Lincoln County Wva. State.

Well No. One Date of Location ..... 19....

Rig Commenced ..... 19....
Rig Completed ..... 19.... } ..... Contractor.

Drilling Commenced March 13th 19 14
Drilling Completed April 2nd 19 14 } Wayland Oil & Gas Co Contractor.

CASING RECORD

Size	CHARGED TO WELL Feet	In	PUT IN WELL Feet	In.	BOTTOM OF CASING Feet	In.	PULLED OUT OF WELL Feet	In.	LEFT IN WELL Feet	In.	TRANSFERRED BEFORE COMPLETION Feet	In.	LEFT AT WELL NOT IN USE Feet	In.
13	16		16		16				16					
6-5/8	1595		1595		1595				1595					

FORMATION	TOP	BOTTOM	THICKNESS
Slate & Shells	30	100	
Sand Slate	100	480	
Coal	480	484	
Slaten & Sand	484	930	
Salt Sand	930	1530	
Maxon Sand	1530	1563	
Slate	1563	1565	
Little Lime	1565	1589	
Pencil Cave	1589	1592	
Big Lime	1592	1780	
" Injun	1780	1825	
Slate & Shells	1825	2292	
Berea Sand	2292	2310	

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
6	15	14	90			

REMARKS: Water in Salt Sand at 1025'

ABANDONED ..... 19....

Size	Casing Pulled		Casing Left In		

REMARKS: El = 803.60

WR-38
Rev.

API# 47- 043 - 2298

RECEIVED
Office of Oil & Gas
OCT 19 2010
WV Department of
Environmental Protection

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm Name: E.Z.A. Shilling — Operator Well No.: No.1
Location: Elevation: 804' — Quadrangle: Garrett's Bend 7.5'
District: Duval — County: Lincoln
Latitude: _____ Feet South of: _____ Deg. _____ Min. _____ Sec.
Longitude: _____ Feet West of: _____ Deg. _____ Min. _____ Sec.

Well Type: Oil X Gas _____ WIW _____

Company: East Resources Inc.
P.O. Box 5519
Vienna, WV 26105
Agent: Philip S. Ondrusek

Coal Operator or Owner: NA

Coal Operator or Owner: _____

Permit Issued: 4/19/10

AFFIDAVIT

State of West Virginia, County of Wood ss:

Mark Miller and Paul Stevens being first duly sworn according to law, depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 15th day of September, 20 10 and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED		LEFT
Cement	2280'	2180'	6 5/8"	0'	1556'
Cement	1760'	1546'	5 3/16"	1676'	0'
Cement	1000'	900'			
Cement	550'	450'			
Cement	110'	0'			
		Perforated 6 5/8" casing; 3 shots from 954' - 950', 475' - 470' &			
		100' - 96'			
6% Gel Between Cement Plugs					

Description of monument: 5 1/2" x 5' and that the work of plugging and filling said well was completed on the 30th day of September, 20 10

And further deponents saith not. Mark Miller
Roger McComas

Sworn and subscribed before me this 12 day of October, 20 10

My commission expires: November 12, 2018

Notary Public: Tina L Pethtel

Affidavit reviewed by the Office of Oil and Gas: Ralph D Triplett

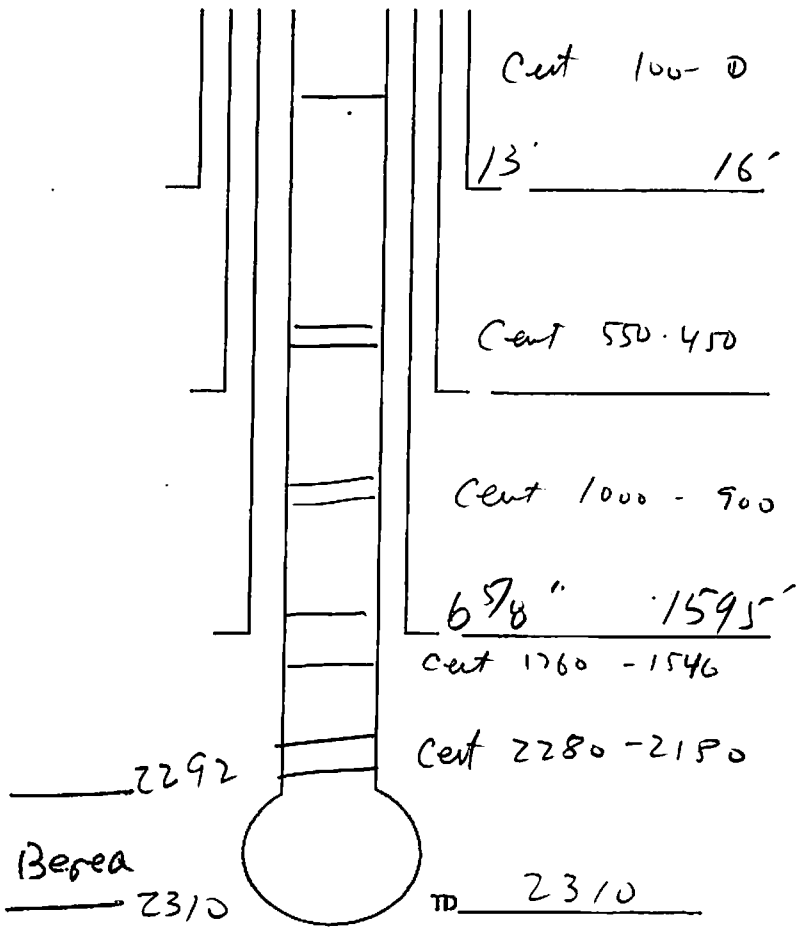
Title: District Supervisor

OFFICIAL SEAL
NOTARY PUBLIC --
STATE OF WEST VIRGINIA
TINA L PETHTEL
East Resources, Inc
P. O. Box 5519
Vienna, West Virginia 26105
My Commission Expires Nov. 12, 2018

EZ A Schilling #1

Griffithsville Unit #2 Field

47-043- 0 2296



From Drillers Records/Plugging Records

Pulled 1676' 5 3/16" Csng

WVDEP OOG Internal Use Only
Rev. 6/14/16

340

AOR - Well Review Checklist

API Number: 47- 043 - 30727 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 1

Farm Name: Schmidt & Kramer

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2523

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,229 Northing: 4,234,109

Elevation: 315

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

47.043 - 3

30727

Record of Well No. 1 on Schmidt & Hyman Farm Acres Outside

Title Field, Quail District Lincoln County

Rig Commenced ____ 19__ Completed ____ 19__

Drilling Commenced May 27th 1909. Completed July 14th 1909

Cost per foot 1.25 Contractor, Neill Bros. Address Yale Okla.

Drillers' Names Jno Hamm Wm Neill Chas Ellyson

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 Inch	10 Inch	9¼ Inch	8 Inch	7⅛ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3/16 Inch	4½ Inch
15'				413.5'		1815'				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 Inch	10 Inch	9¼ Inch	8 Inch	7⅛ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3/16 Inch	4½ Inch
15'				- -		1815'				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production
7/15/09	90 qts	200 Bbls

Tubing 2" 1st 413 1st 1520 2nd

Rods 1st 413 1st 1520 2nd

GAS WELL

Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		8	8	
Red Rock	8	58	50	
Shale	58	88	30	
Red Rock	88	188	100	
Lime	188	268	80	
Shale	268	358	90	
Sand	358	458	100	
Lime	458	598	140	
Sand	598	648	50	
Shale	648	713	65	
Sand	713	783	70	
Lime	783	803	20	
Shale	803	863	60	
Lime	863	893	30	
Shale	893	1003	110	
Sand	1003	1058	53	
Lime	1058	1083	25	
Shale	1083	1105	22	
Salt Sand	1105	1775	670	Gas at 1120'
Black Lime	1775	1800	25	Hole full continuously
Pawnee Shale	1800	1807	7	at 1180'
Big Lime	1807	1980	173	Gas 125' in Lime
Shale & Sand	1980	2040	60	
Shale & Shell	2040	2472	432	
Shale	2472	2492	20	
Big Sand	2492	2516	24	Sand uniform
Shale	2516	2523	7	

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30727

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

LEASE OR PROPERTY OWNER

ADDRESS

G,S & H Supply Company
NAME OF WELL OPERATOR

P.O. Box 895 Tulsa, Oklahoma
COMPLETE ADDRESS

May 25 19 49
WELL AND LOCATION

Duval District

Lincoln County

Well No. 1

Schmidt & Kramer Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Hyatt Chapman and Joe Ward } ss:

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by G,S & H Supply Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 12 day of May, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CASING CSG LEFT IN
	Red Clay	2172	1050	Bridged by South Penn Oil Company		
	cement & rock	1050	1035	Per. Bridge		
	cement & rock	1200	1213	" "		
	red clay	1213	1035			
	cement & rock	1035	1070	" "		
	cement & rock	250	235	" "		
	red clay	235	00			
					7"-1033'	None

COAL SEAMS
(NAME)
(NAME)
(NAME)
(NAME)

DESCRIPTION OF MONUMENT
Cement Block
G,S & H.
5-17-49
Schmidt Kramer # 1

and that the work of plugging and filling said well was completed on the ____ day of ____, 19____.

And further deponents saith not.

Hyatt Chapman
Joe Ward

Sworn to and subscribed before me this 25 day of May, 1949.

J R Osborne
Notary Public.

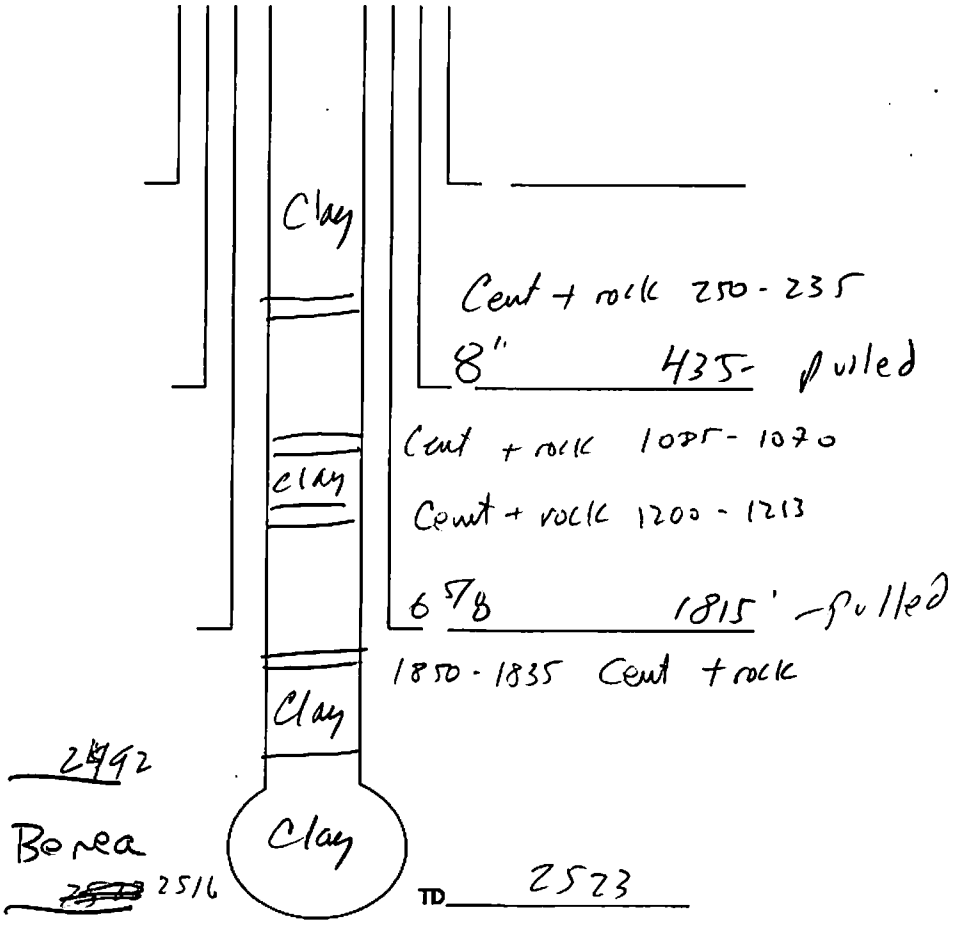
My commission expires:
10-9-57

Permit No. 4-11-727

Schmidt & Kremer #1

Griffithsville Unit #2 Field

47-043- 30727



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

341

AOR - Well Review Checklist

API Number: 47- 043 - 02794 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 2
Farm Name: Schmidt & Kromer
Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐
Well Status: Active ☐ Abandoned ☐ Plugged ☒
TD of well: 2465
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,348 Northing: 4,234,027
Elevation: 291
Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**
Bottom Hole Injection Pressure **0**
Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:
Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

41-043-

Record of Well No. 2 on Schmidt & Hammer Farm Acres

Field, District County,

Rig Commenced 19, Completed 19

Drilling Commenced Nov. 11 19, Completed Dec 29 1910

Cost per foot, 1.15 Contractor, Hawley & Forman Drlg. Address, Hawley, W. Va.

Drillers' Names, P. J. Krieg & J. D. Barlow.

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3/16 Inch	4¼ Inch
16						1765'				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3/16 Inch	4¼ Inch
16						1765'				

OIL WELL — GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
12/31/10	90 qts	2nd Shot 1/2/11		1409'						

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface & Clay		16	16	El= [illegible]
Coal	16	36	20	
Sand Rock	36	96	60	
Sand	96	116	20	
Red Rock	116	181	65	
Sand	181	251	70	
Slate	251	351	100	
Coal	351	354	3	
Slate & Sand	354	800	446	
Coal	800	805	5	
Sand	805	895	90	
Slate	895	1090	195	
Sand & Sand	1090	1720	630	
Slate	1720	1727	7	
Little Lime	1727	1757	30	
Pencil Cave	1757	1759	2	360' 10" hole
Big Lime	1759	1955	196	
Big Injun	1955	2017	62	Hole full of water at 1170
Slate	2017	2080	63	
Sand	2080	2170	90	
Slate	2170	2395	225	
Shell	2395	2400	5	
Slate	2400	2445	45	
Berea Sand	2445	2465	20	

47-043-02294

Schmidt - Kremer #2

API # 47- 43-02294-P

WR-38
26-May-99

RECEIVED
Office of Oil and Gas
OCT 12 1999
WV Division of
Environmental Protection

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Pennzenergy E & P Operator Well No.: S & Kremer # 2
LOCATION: Elevation: 980.00 Quadrangle: Garrets Bend
District: Duval County: Lincoln
Latitude: 15050 Feet South of 38 Deg. 17 Min. 30 Sec.
Longitude 7975 Feet West of 81 Deg. 55 Min. 0 Sec.

Well Type: OIL X GAS _____

Company: S. L. Meadows, Jr. Production, Inc. Coal Operator or owner N/A
ROUTE 2 BOX 22
RAVENSWOOD, WV 26164

Agent: S. L. Meadows, Jr. Coal Operator or owner N/A

Permit Issued: 05/28/99

AFFIDAVIT

STATE OF WEST VIRGINIA, ss:
County of _____

Jason Meadows and Bill Fernbee being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Rod Dillon Oil and Gas Inspector representing the Director, say that said work was commenced on the 20 day of September, 1999, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Gel	2465	2200	2	2433 -0-
Cement	2200	1950	5 ½ Csg	1805 -0-
Gel	1950	1800	7 Csg	105 1660
Cement	1800	1700		
Gel	1700	1100	Shot well 7 Csg	
Cement	1100	1000		1105
Gel	1000	650		803
Cement	850	750		599
Gel	750	650		310
Cement	650	550		
Gel	550	350		
Cement	350	250		
Gel	250	100		
Cement	100	-0-		

10/13/99

Description of monument: 5 ½ Csg, 5 foot long API 47-43-02297-P and that the work of plugging and filling said well was completed on the 24 day of September, 1999.

And further deponents saith not.

Sworn and subscribe before me this 30 day of September, 1999

My commission expires: December 24, 2007

Zelma M. Meadows
Notary Public

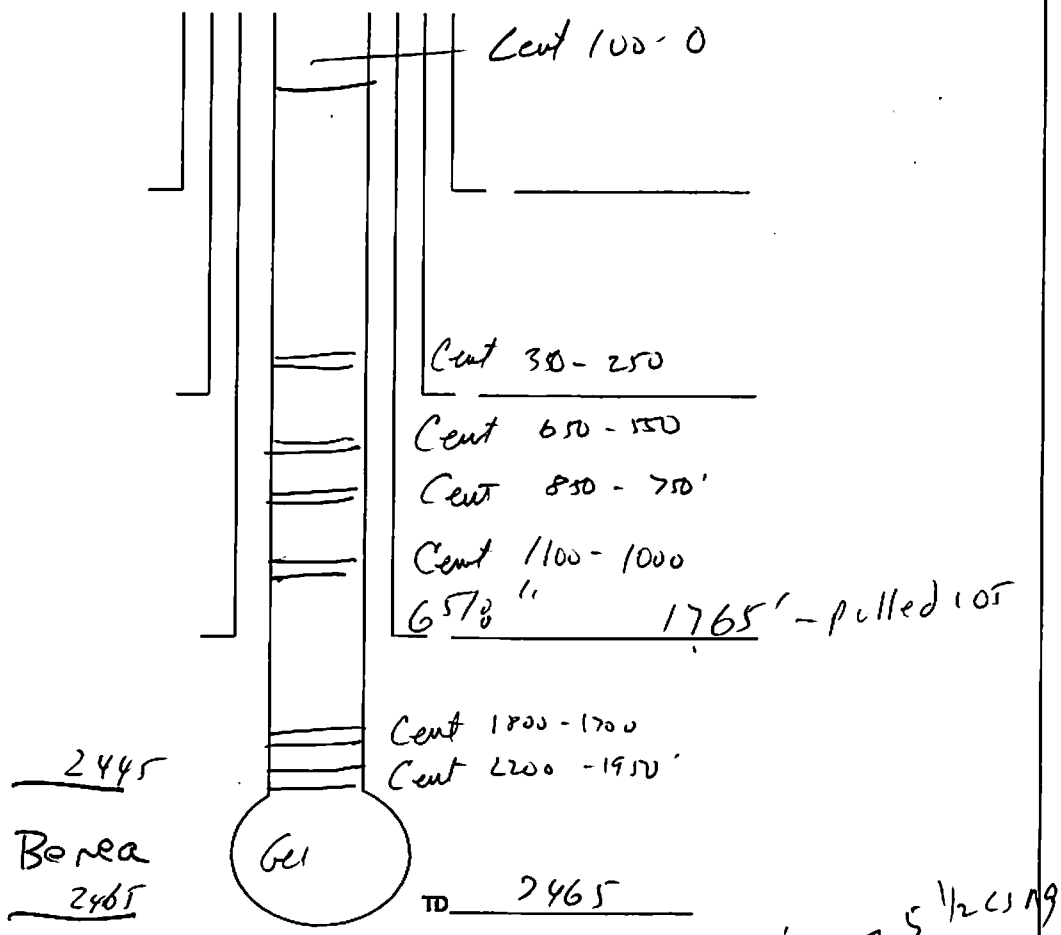
Rod Dillon
Oil and Gas Inspector

Official Seal
Notary Public, State of West Virginia
Zelma M. Meadows
Route 2, Box 22
Ravenswood, WV 26164
My commission expires December 24, 2007

Schmidt & Kinney 2

Griffithsville Unit #2 Field

47-043- 02294



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 6/14/16

342

AOR - Well Review Checklist

API Number: 47- 043 - 02291 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: Schmidt & Crew

Field Name: Griffithsville Unit #2 Field Injection Zone: Berea

Well Type: Injector ☐ Producer (Waterflood) ☒ Producer (NonWaterflood) ☐ Observation ☐ Other ☐

Well Status: Active ☐ Abandoned ☐ Plugged ☒

TD of well: 2504

Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐

Easting: 417,471 Northing: 4,233,941

Elevation: 307

Inside Field Boundary? ☒ Outside Field Boundary? (1320' or less) ☐

Outstanding Violations:		No ☒	Yes ☐
Date of Last MIT:	Passed?	No ☐	Yes ☐
Open Hole Completion		No ☐	Yes ☒
Well penetrates injection zone?		No ☐	Yes ☒
Well perforated in injection zone?		No ☒	Yes ☐
Cemented across injection zone?		No ☒	Yes ☐
Packer immediately above injection zone (<100')?		No ☐	Yes ☐ No Packer ☐
		If No: Provide Depth:	
Documents indicate this well appears to be adequately constructed/plugged to prevent fluid migration into USDW?		No ☐	Yes ☒

MIP Calculation:

	Top Perf Depth
0.8	Fracture Gradient
0.433	Hydrostatic Fluid Pressure Gradient (H_20)
1.1	Specific Gravity of Injection Fluid *(1.1 default if exact is not known)*

MIP = **0**

Bottom Hole Injection Pressure **0**

Hydrostatic Pressure **0**

Comments:

Reviewer Name: Signature:

Date Reviewed:

* *Attach WR-35's and WR-38's for all wells and WR-37's for injection wells.*

41-043-00010

02295

Record of Well No. 3 on Schmuck & Bruner Farm Acres

Field, District County,

Rig Commenced 19, Completed 19

Drilling Commenced Nov 14 1910, Completed Dec 29 1910

Cost per foot, 1¢ Contractor, Yaukey & Freeman Drl Address, Yaukey, W. Va.

Drillers' Names, J. B. Wolfe & J. P. Murphy.

CONDUCTOR AND CASING USED IN DRILLING.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6¼ inch	6¼ inch	5¼ inch	5 inch	4¼ inch
12						1840				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 inch	10 inch	8¼ inch	8 inch	7¼ inch	6¼ inch	6¼ inch	5¼ inch	5 inch	4¼ inch
12						1840				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	Size of Packer	Depth Set
1/2/11	quart	22nd Shot 7/24/13	1200 ft.			

GAS WELL

Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil & clay		12	12	—
Slate	12	52	40	
Sand	52	72	20	
Red Rock	72	162	90	
Sand	162	182	20	
Red Rock	182	247	65	
Sand	247	317	70	
Slate	317	397	80	
Coal	397	400	3	
Slate	400	440	40	
Sand	440	620	180	
Slate	620	730	110	
Sand	730	800	70	
Slate	800	960	160	
Sand	960	1050	90	
Slate	1050	1140	90	410' 10" Hole
Lit Sand	1140	1750	610	
Slate	1750	1760	10	Hole full of Water at 1210
Little Lime	1760	1805	45	
Pencil Cave	1805	1810	5	
Big Lime	1810	2000	190	
Big Lime	2000	2060	60	
Slate	2060	2125	65	
Big Shell	2125	2205	80	
Slate	2205	2305	100	
Slate & Shell	2305	2405	100	
Slate	2405	2481	76	
Keener Sand	2481	2502	21	
Slate	2502	2504	2	

WR-38
26-May-99

API # 47- 43-02295-P

RECEIVED
Office of Oil and Gas
SEP 28 1999
WV Division of
Environmental Protection

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Pennzenergy E & P Operator Well No.: S & Kremer # 3
LOCATION: Elevation: 1,003.00 Quadrangle: Griffithsville
District: Duval County: Lincoln
Latitude: 200 Feet South of 38 Deg. 15 Min. 0 Sec.
Longitude 7625 Feet West of 81 Deg. 55 Min. 0 Sec.

Well Type: OIL X GAS ____

Company: S. L. Meadows, Jr. Production, Inc.
ROUTE 2 BOX 22
RAVENSWOOD, WV 26164

Coal Operator or owner: N/A

Agent: S. L. Meadows, Jr.

Coal Operator or owner: N/A

Permit issued:

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of ____ ss:

Jason Meadows and Bill Ferrebee being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Rod Dillon Oil and Gas Inspector representing the Director, say that said work was commenced on the 11 day of September 1999, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED		LEFT
Gel	2400	2150	2 Tubing	2498	-0-
Cement	2150	2000			
Gel	2000	1900	7 Csg	24'	1816
Cement	1900	1750			
Gel	1750	1150	Shot	1102	
Cement	1150	1050	7 Csg	756	
Gel	1050	800		292	
Cement	800	700			
Gel	700	350			
Cement	350	250			
Gel	250	100			
Cement	100	-0-			

Description of monument: 5 ½ Csg 5 ft long

plugging and filling said well was completed on the 18 day of September 1999, and that the work of

And further deponents saith not.

Sworn and subscribe before me this 20 day of September, 1999

My commission expires: December 24, 2007

Zelma M Meadows
Notary Public

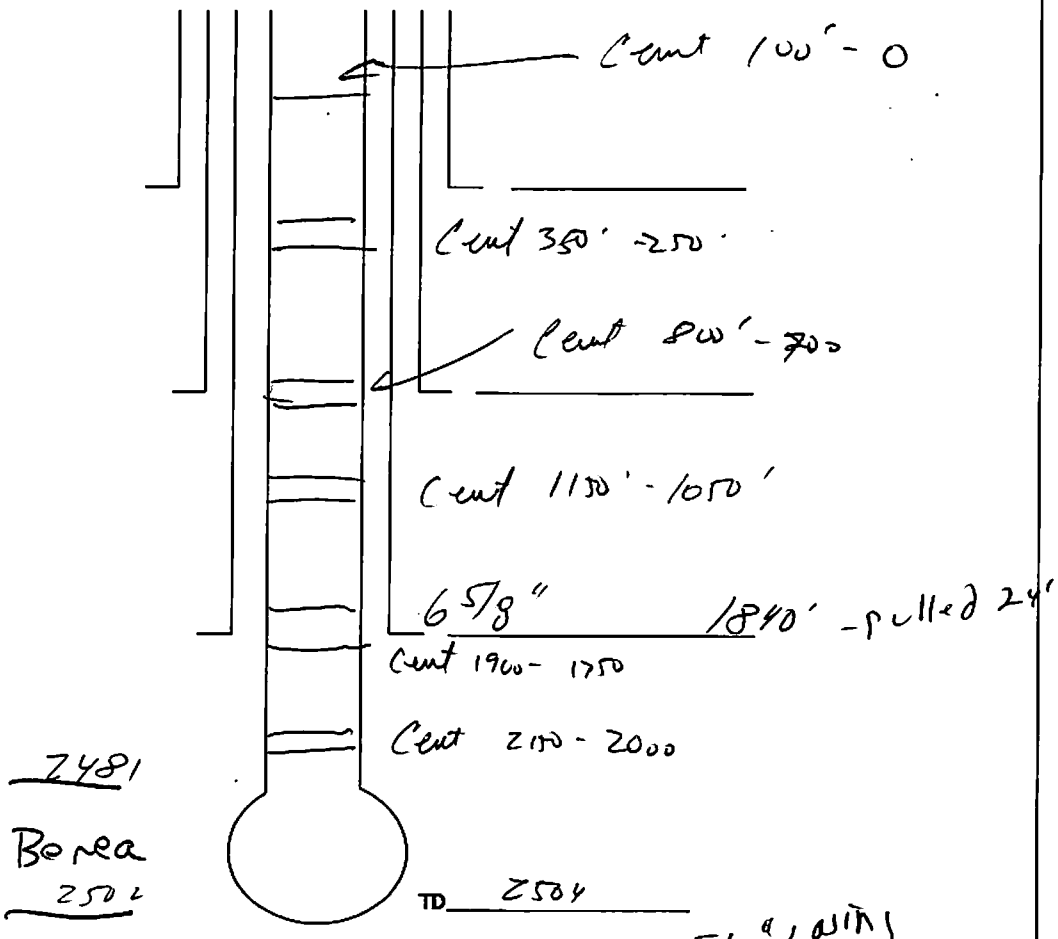
Official Seal
Notary Public, State of West Virginia
Zelma M. Meadows
Route 2 Box 22
Ravenswood, WV 26164
My commission expires December 24, 2007

Oil and Gas Inspector

Simpt & Kea 3

Griffithsville Unit #2 Field

47-043- 8 2295-



Unable to pull perforated

From Drillers Records/Plugging Records