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

343

AOR - Well Review Checklist

API Number: 47- 043 - 30700 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 4
Farm Name: Schmidt & Irvin
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: 2468
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 1 417,274 Northing: 4,233,782
Elevation: 292
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. 4 on Schmidt & Hunner Farm ____ Acres ____

Field, ____ District ____ County ____

Rig Commenced ____ 19__, Completed ____ 19__

Drilling Commenced June 11 1914, Completed July 29 1914

Cost per foot, 11¢ Contractor, Hawkey & Bryson Bros. Address, Hawkey W. Va.

Drillers' Names J. R. Fuller & A. Mills

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	4⅛ Inch
14						1795				

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	4⅛ Inch
14						1795				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	
3/30/15	90				

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		14	14	EL= 5...
Red Rock	14	190	176	
Sand	190	272	82	
Coal	272	275	3	
Slate	275	350	75	
Sand	350	385	35	
Coal	385	387	2	
Sand	387	420	33	
Slate	420	435	15	
Sand	435	700	265	420' 10" hole
Slate & shells	700	1085	385	
Salt Sand	1085	1740	655	
Little Lime	1740	1775	35	
Pencil Cave	1775	1780	5	
Big Lime	1780	1970	190	
Big Injun	1970	2040	70	Hole full of water at 1150
Slate	2040	2090	50	
Shells	2090	2225	135	
Slate	2225	2425	200	
Brown shale	2425	2448	23	
Berea sand	2448	2468	20	

47-043-30700

47-043-30700

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: July 12, 19 49.
District: Duval
County: Lincoln
Well No. 4
Farm: Schmidt & Kremer

STATE INSPECTOR SUPERVISING PLUGGING: D. M. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Kensie 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 6 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
SET A PERMANENT BRIDGE AT 2448' - 20' above Berea Sand. 2 sacks neat Cement and 5' crushed stone on bridge. Filled with clay to 2348'. Neat Cement 2348' - 2338'.						
SET A PERMANENT BRIDGE AT 2070' - 30' below Big Injun. 2 sacks neat cement and 5' crushed stone on bridge. Filled with clay to 1825' - 30' below 6-5/8" casing. Neat Cement 1825' - 1815'. 5' crushed stone on cement plug. PULLED 6-5/8" CASING AS BALANCE OF HOLE WAS FILLED AND PLUGGED. Continued filling with clay to 1065' - 20' above Salt Sands. Neat Cement 1065' - 1055'. 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 1F, 1931 Regulations						

COAL SEAMS	DESCRIPTION OF MONUMENT
(Coal)	U. F. GAS CO.
(Coal)	SCHMIDT & KREMER WELL # 4
(Coal)	DATE OF ABANDONMENT
(Coal)	

and that the work of plugging and filling said well was completed on the 8 day of June, 1949.

And further deponents saith not.

J. E. Elkins Jr
R. H. Adkins by E. J. Elkins Jr

Sworn to and subscribed before me this 16 day of June, 1949.

G. P. Dray
Notary Public.

My commission expires: April 1, 1950

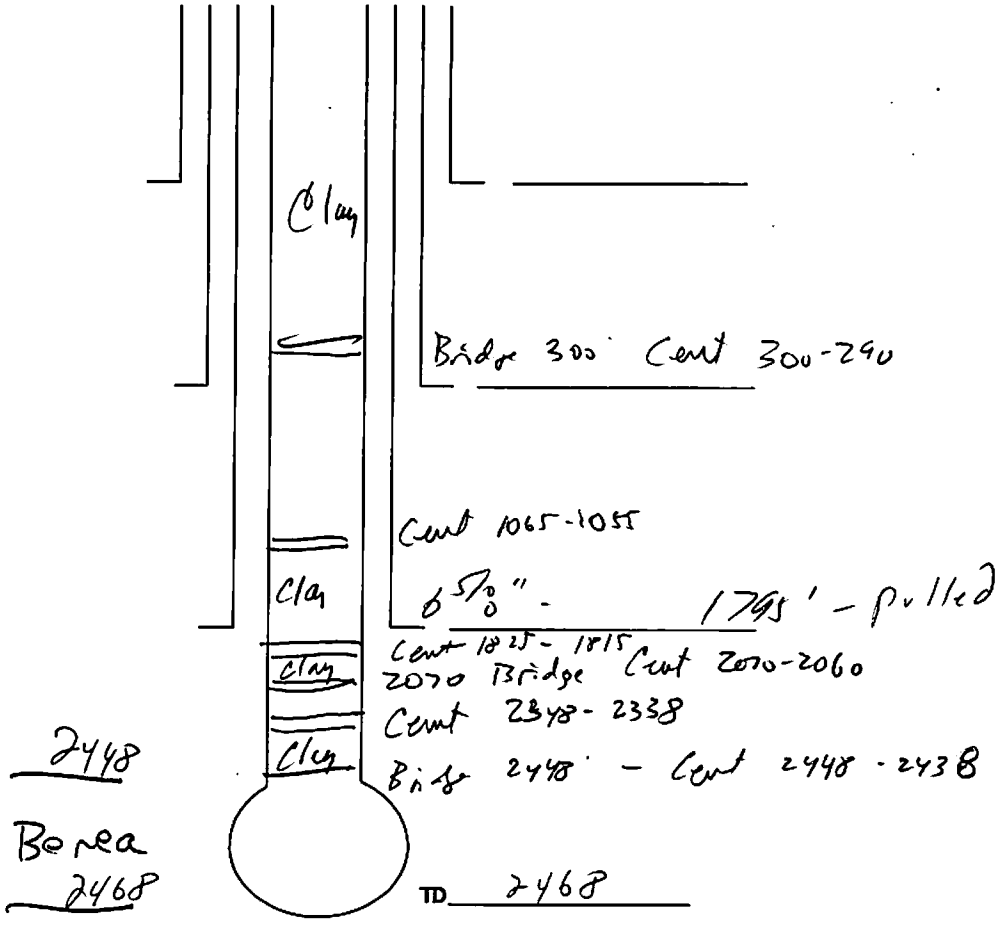
Permit No. LIN-700

134

SchWDT & Krea 4

Griffithsville Unit #2 Field

47-043-30700



From Drillers Records/Plugging Records

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

344

AOR - Well Review Checklist

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

Operator Name: H 6 Energy

Operator's Well #: 5

Farm Name: Schmidt & Kremer

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: 417,097 Northing: 4,233,721

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 38 NA

AIT ±

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 - 30343

RECORD of Well No. 5 on Johnson & Skinner Farm Acres

Field, District County

Rig Commenced 19, Completed 19

Drilling Commenced Sept 25 1913, Completed Nov 7 1913

Cost per foot, 1.13 Contractor Hawkey & Freeman Drl Co Address Hawkey W Va

Drillers' Names C. L. Stillwagon & W. D. Newhall

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
14						1795			173	

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
14						1795			173 - Left in	

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set
11/10/13	80 qts						

GAS WELL

Tubing	1st Minute Pressure	Rock Pressure

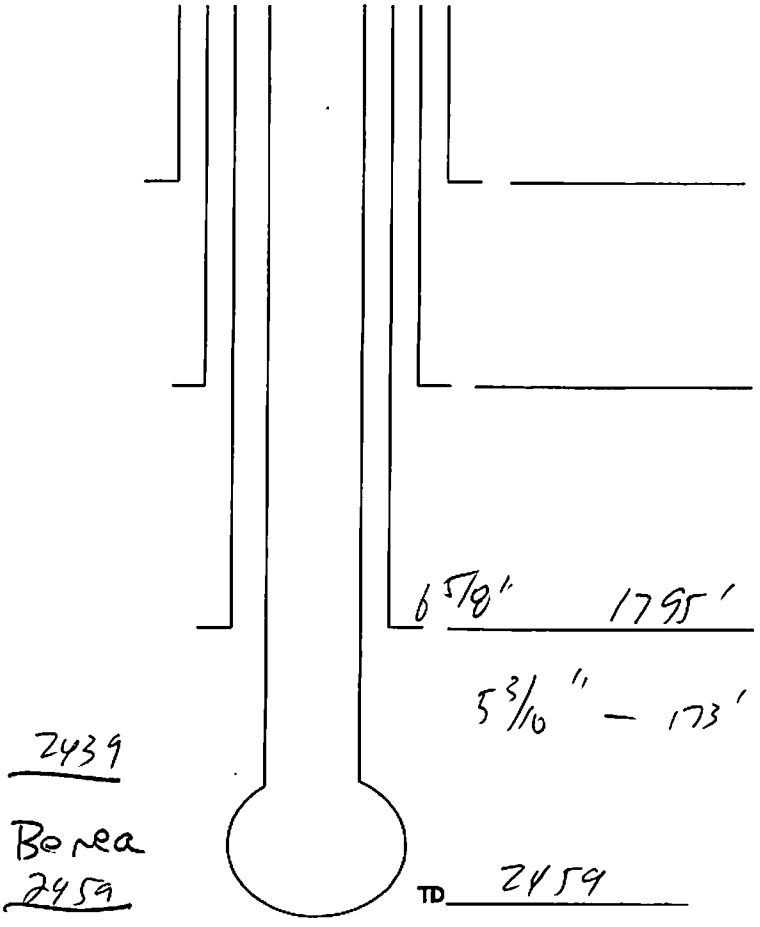
FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		14	14	
Slate	14	74	60	
Sand	74	94	20	
Slate	94	150	56	
Sand	150	225	75	
Slate	225	300	75	
Sand	300	390	90	
Slate	390	515	125	
Sand	515	595	80	300' 10" hole
Slate	595	705	110	
Sand	705	800	95	
Slate	800	925	125	
Sand	925	995	70	
Slate	995	1070	75	
Salt sand	1070	1755	685	
Little Lime	1755	1785	30	Hole full of water at 1160'
Pencil Cave	1785	1790	5	
Big Lime	1790	1970	180	
Big Injun	1970	2030	60	
Slate	2030	2090	60	
Lime Shells	2090	2200	110	
Slate	2200	2419	219	
Brown Shale	2419	2439	20	
Berea Sand	2439	2459	20	

"Abandoned"
March 8, 1943

Schupp # Kem. 5

Griffithsville Unit #2 Field

47-043-



From Drillers Records/Plugging Records

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Rev. 6/14/16

345

AOR - Well Review Checklist

API Number: 47- 043 - 30701 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 6

Farm Name: Sandt & Kerr.

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: 2327

Completion Zones: Berea. Perforated Interval:

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

Easting: 417,156 Northing: 4,233,981

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.*

RECORD of Well No. 6 on J. Smith & Hynes Farm. Acres

Field, Duke District Lincoln County

Rig Commenced ____ 19____ Completed ____ 19____

Drilling Commenced Oct 28 1915 Completed Nov 30 1915

Cost per foot, 11½ Contractor, Boone Drilling Co Address, Glenville W. Va.

Drillers' Names J. H. Hines & A. H. Glenville

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6¾ Inch	6¼ Inch	5¾ Inch	5 3-16 Inch	4½ Inch
16				280		1640				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅛ Inch	6¾ Inch	6¼ Inch	5¾ Inch	5 3-16 Inch	4½ Inch
16						1640				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
12/24/15	80 qts			

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		16	16	
Sand	16	25	9	Hole full fresh water at
Slate	25	100	75	80'
Sand	100	160	60	
Slate	160	280	120	
Sand	280	320	40	Hole full salt water at
Slate	320	500	180	1100'
Sand	500	580	80	
Slate	580	700	120	
Sand	700	780	80	
Slate	780	890	110	
Sand	890	910	20	
Slate	910	960	50	
Gas Sand	960	1397	437	
Black Lime	1397	1427	30	
Pencil Cave	1427	1433	6	
Big Lime	1433	1813	180	
" Injun Sand	1813	1875	62	
Slate	1875	1912	37	
Shells	1912	2037	125	
Slate	2037	2287	250	
Brown Shale	2287	2307	20	
Berea Sand	2307	2327	20	

47-043-3070

47-043-3070-1

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 THIS 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: July 20, 1949
Duval District
Lincoln County
Well No. 6
Schmidt & Kremer Farm

STATE INSPECTOR SUPERVISING PLUGGING: D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Kensie 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 27 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
Set a Permanent Bridge at 2287' - 20' above Berea Sand. 2 sacks neat Cement and 5' crushed stone on bridge. Filled with clay to 2187' Neat Cement 2187' - 2177'						
Set a Permanent Bridge at 1900'. 2 sacks neat cement and 5' crushed stone on bridge - PULLED 5-3/16" CASING. Filled with clay to 1670' - 30' below 6-5/8" casing. Neat cement 1670' - 1660', 5' crushed stone on cement plug. PULLED 6-5/8" CASING AS BALANCE OF HOLE WAS FILLED AND PLUGGED. Continued filling with clay to 940' - 20' above Salt Sands. Neat Cement 940' - 20' above Salt Sands. Neat Cement 940' - 930'. 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
(DEPTH)
(NAME)
(THICK)
(STATE)

DESCRIPTION OF MONUMENT
U. F. Gas Co.
Well # 6, Schmidt & Kremer
Date of Abandonment

and that the work of plugging and filling said well was completed on the 3 day of June, 1949.

And further deponents saith not.

E. Elkins Jr.
Kensie Browning

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

Notary Public.
Permit No. LIN-701

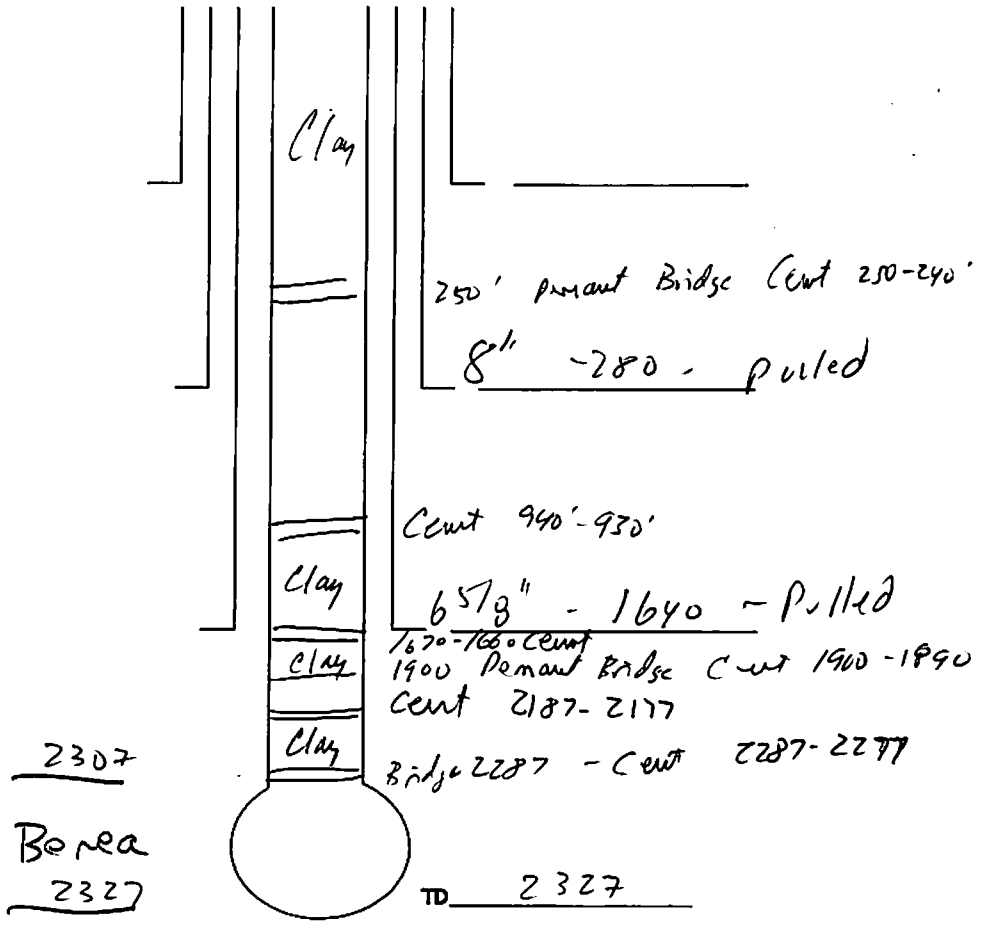
My commission expires:
April 1, 1957

135

Schupt & Kerr. 6

Griffithsville Unit #2 Field

47-043- 3070'



From Drillers Records/Plugging Records

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

(346)

AOR - Well Review Checklist

API Number: 47- 043 - 30871 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 1

Farm Name: J 6. Settle

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: 415,149 Northing: 4,234,675

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:

Need WR 38 - 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.*

47-043-30871

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

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

Company O. S. & H. Supply Co.
Address Tulsa Okla
Farm J. G. Settle Acres 71
Location (waters) Valley Fork
Well No. 1 Elev. 1011.62
District Duval County Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by
24 Address
Drilling commenced Aug 24th 1910
Drilling completed Oct 13 1910
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	681	681	Depth set
5 3/16	1124'	1124'	
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			1130	1710			
Little Lime			1720	1780			
Pencil Cave			1780	1790			
Big Lime			1790	1955			
Big Injun			1955	2005			
Berea Sand			2465	2487			

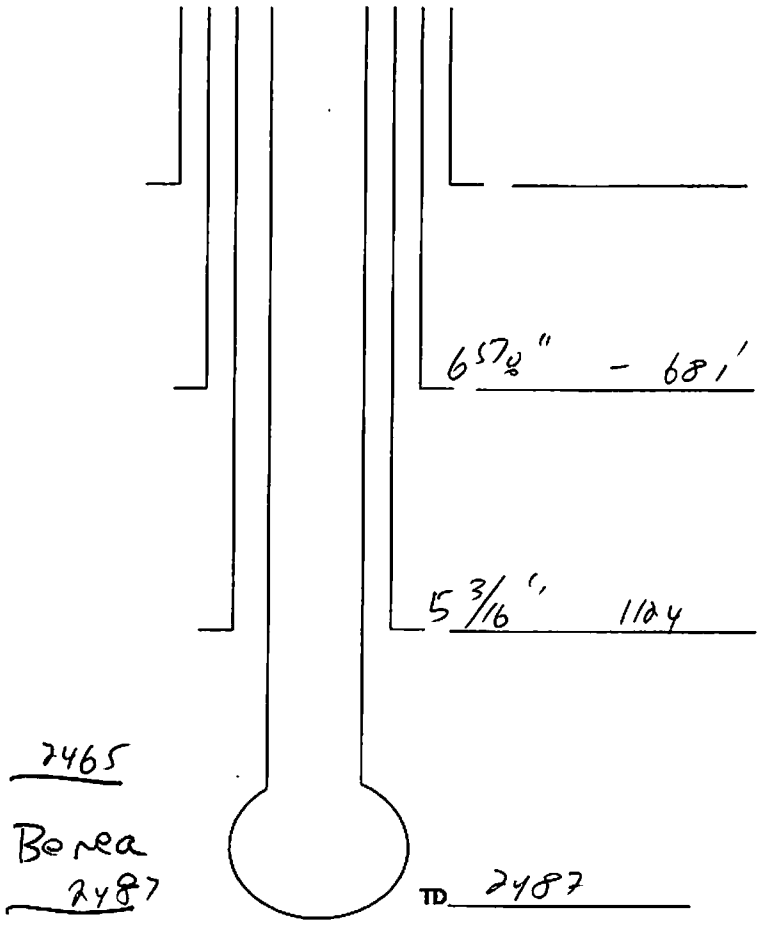


(Over)

T 6. Sec 14, 1

Griffithsville Unit #2 Field

47-043- 30871



From Drillers Records/Plugging Records

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

347

AOR - Well Review Checklist

API Number: 47- 043 - 30514 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 2

Farm Name: J 6. Settle

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: 414,661 Northing: 4,234,006

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.*

47-043-30514

Well No. 7 J. G. Seattle Farm Acres
Lease No. District Lincoln County W. Va. State
G. H. Jackson Contractor SOUTH PENN DRILLING TOOLS AC. Contractor
Drilling Commenced Mar. 28 1918 Drilling Completed May 2 1918.
N. S. E. W.

ROCK FORMATION	TOP	BOTTOM	STEEL LINE MEASUREMENT	REMARKS
		16		
Red Rock	16	120		
Slate	120	150		
Lime	150	175		
Slate	175	220		
Sand	220	290		
Red Rock	290	320		
Slate	320	470		
Lime	470	520		
Slate	520	645		
Lime	645	650		
Slate	650	654		
Sand	654	665	655	
Slate	665	680		
Sand	680	900		
Slate & Shells	900	970		
Lime	970	1020		
Slate & Shells	1020	1240		
Light Sand	1240	1785		
Slate	1785	1800		
Maxon Sand	1800	1820		
Slate	1820	1825		

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 - 30514

Well No. 2 J. G. Skeltle Continued 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
Little Lime	1825	1857		
Pencil Cave	1857	1864		
Big Lime	1864	2064	1872	
Big Injun	2064	2114		
Slate & Shells	2114	2535		
Brown Shale	2535	2553		
Berea Sand	2553	2574	2553	
Oil	2555	2572		
Total Depth		2574	2574	

21 = 16.80

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT

	PUT IN WELL		PULLED OUT		LEFT IN WELL	
SIZE	FEET	IN.	FEET	IN.	FEET	IN.
8¼	660	—	660	—		
6⅝	1879	—				

Shot Date May 4. 1918
Amount 80 Qts.
Sand Berea
Result Open Flow

Packer Size None Used
6⅝" Steel Shoe used
Depth Set 1872'

Production First 24 Hours Est 4 Bbls. Gas Test..

Approved by A. H. Ames Superintendent

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30514

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, West Va. — COMPLETE ADDRESS
Nov. 18, 1948 — WELL AND LOCATION
Duval District
Lincoln County
Well No. 2
J. G. Settle Farm
D. E. Lawson

STATE INSPECTOR SUPERVISING PLUGGING

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Lincoln } ss:

E. L. Elkins Jr. and Clyde Setterfield 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 Oct., 1948, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FILLING MATERIAL — FROM	FILLING MATERIAL — TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CASING — CSG LEFT IN
Berea Sand.	Set bridge 20' above Berea at 2533'. Filled hole 100' with non-porous material. Set 10' Cement Plug on same, sealing off			(2 sxs Cement & 5' crushed stone)		
Lime - Injun Sand.	Set bridge 30' below Big Injun and Big Lime with non-porous material to hole through Big Injun and Big Lime. Filled hole 30' below pipe. Set 10' Cement Plug on same at 2149', sealing off Big Injun and Big Lime. Filled hole as pipe was removed.			(2 sxs Cement & 5' crushed stone on bridge)		
Salt Sand	Filled hole from 1882' with non-porous material to above top of Salt Sand. Set 10' Cement Plug on same at 1892' to 1882'			(2 sxs Cement & 5' crushed stone on bridge)		
Coal	Set Bridge 30' below Coal to 680'. Fill up&through coal. With Cement plug to 605' bring 20' above coal seam completely sealing off coal. Fill hole with non-porous material to surface. Set cement marker 12" x 12" x 30" marking date of abandonment.			(2 sxs Cement & 5' crushed stone)		

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	U.F.G. Co. J.G.Settle #2
(NAME)	Abdt. 11/12/48
(NAME)	
(NAME)	

and that the work of plugging and filling said well was completed on the 12 day of Nov., 1948.

And further deponents saith not.

E. L. Elkins Jr.
Clyde Setterfield

Sworn to and subscribed before me this 20 day of Nov., 1948.

Notary Public.

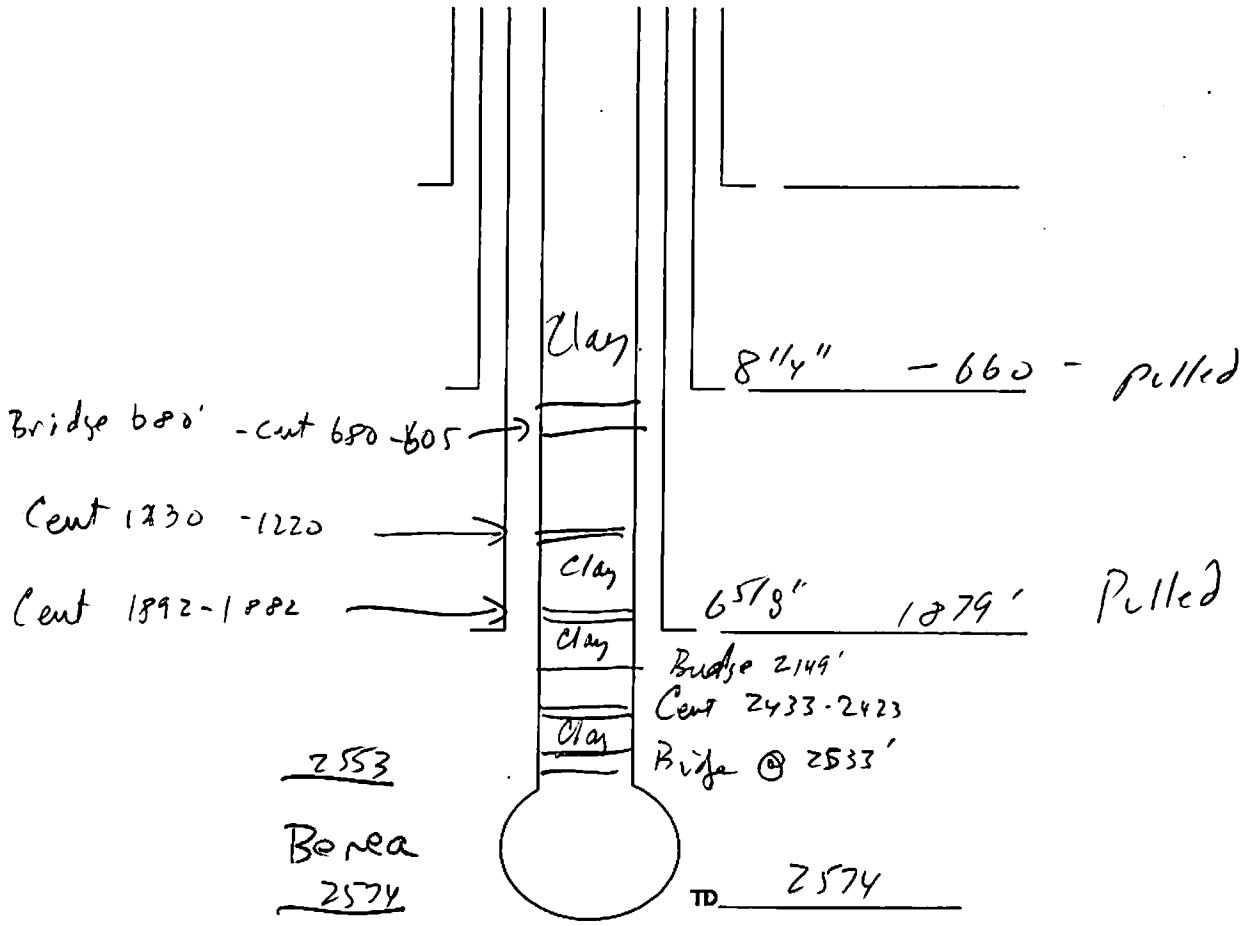
My commission expires: April 4, 1957

Permit No. LIN 514

J. G. Scott. 2

Griffithsville Unit #2 Field

47-043- 30514



From Drillers Records/Plugging Records

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

(348)

AOR - Well Review Checklist

API Number: 47- 043 - 30872 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: J 6. Settle

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: 2508

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,945 Northing: 4,234,405

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.*

47-043-30872

RECORD of Well No. 3 on J. G. Steele Farm Acres

Field, District County

Rig Commenced 10 , Completed 19

Drilling Commenced Aug 5 1916., Completed Sept 21 1916

Cost per foot, 1.15 Contractor Yeackley & Emmons Address, Yeackley,

Drillers' Names Roscoe Evans & Charles Wilson

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				640		1830				

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						1830				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
9/25/16	80 qts			

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		16	16	E.
Slate	16	20	4	
Red Rock	20	60	40	
Sand	60	100	40	
Slate	100	200	100	
Sand	200	350	150	
Slate	350	400	50	Hole full salt Water at 12
Sand	400	500	100	
Slate	500	530	30	
Sand	530	640	90	
Coal	640	643	3	
Slate	643	660	17	
Sand	660	800	140	
Slate	800	850	50	Gas in Big Lime at 1925'
Sand	850	1000	150	
Slate	1000	1140	140	
Injun Sand	1140	1747	607	Water in Big Injun
Slate	1747	1780	33	
Little Lime	1780	1815	35	
Pencil Cave	1815	1822	7	
Big Lime	1822	2012	190	
" Injun	2012	2072	60	
Slate	2072	2172	100	
Lime Shells	2172	2272	100	
Slate	2272	2467	195	
Brown Shale	2467	2487	20	
Berea Sand	2487	2508	21	

OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL 47-043-30872

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 Va.
COMPLETE ADDRESS

July 17, 19 50

WELL AND LOCATION

Duval District

Lincoln County

Well No. ½ Probably #3

J. C. Settles Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

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

Kelly Robert and George 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 22 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		2467			20'	
	Cement	2467	2457	6 5/8"		
	Crushed Stone	5'				
	Clay to	1880				
	Cement	1880	1870			
	Crushed Stone	5'				
	Bridge	1500				
	Cement	1500	1490			
	Clay to	1120				
	Cement	1120	1110			
	Crushed Stone	5'				
	Bridge	350				
	Cement	350	340			
	Crushed Stone	5'				
	Clay to Surface					

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

DESCRIPTION OF MONUMENT
Marker Erected According
Rule 18, 1931 Regulations

JUL 1950

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

And further deponents saith not.

Kelly Roberts
George Adkins

Sworn to and subscribed before me this 24 day of July, 19 50

Notary Public.

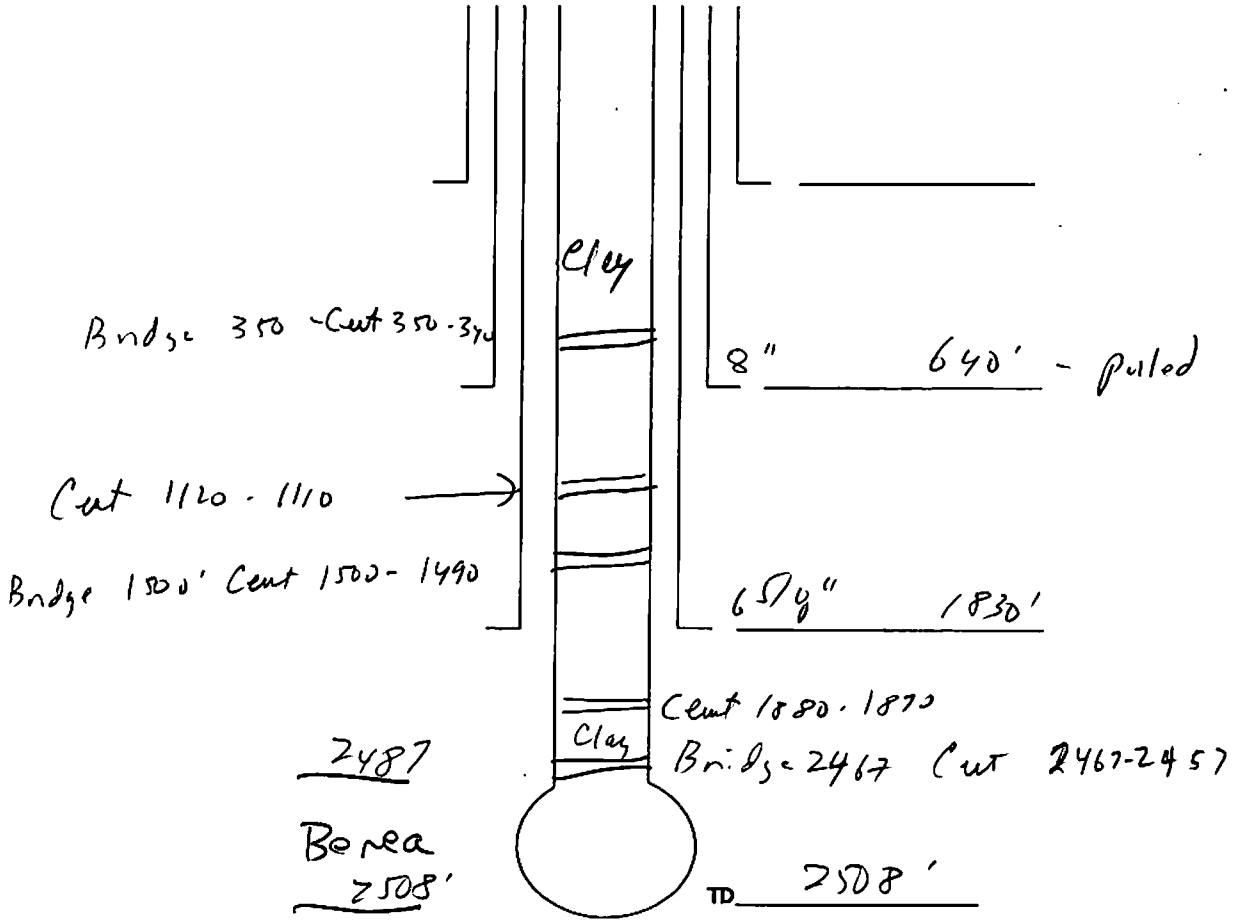
My commission expires:
April 1, 1957

Permit No. A-177-872

J 6. Sette 3

Griffithsville Unit #2 Field

47-043- 30872



From Drillers Records/Plugging Records

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

349

AOR - Well Review Checklist

API Number: 47- 043 - 30873 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 4

Farm Name: J.6. Settle

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: 2381

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,844 Northing: 4,234,260

Elevation: 268'

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 - 30873

RECORD of Well No. 4 on J. G. Siddle Farm Acres

Field, District County

Rig Commenced 19 , Completed 19

Drilling Commenced Feb 7 1917, Completed Mch 15 1917

Cost per foot, 1.25 Contractor Hawley & Inman Co. Address,

Drillers' Names C M Williams & Roscoe Harris

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¾ Inch	6½ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4⅛ Inch
13				465		1680				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¾ Inch	6½ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4⅛ Inch
13						1680				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		13	13	El=
Sand	13	36	23	
Slate	36	96	60	Gas in Salt Sand 1100'
Sand	96	116	20	
Slate	116	196	80	Hole full Water at 1120'
Sand	196	236	40	
Coal	236	240	4	
Slate	240	290	50	
Sand	290	340	50	
Slate	340	360	20	
Sand	360	460	100	
Coal	460	465	5	
Slate	465	495	30	
Sand	495	600	105	
Slate	600	700	100	
Sand	700	800	100	
Slate	800	850	50	
Sand	850	925	75	
Slate	925	950	25	
Sand	950	1000	50	
Slate	1000	1020	20	
Salt Sand	1020	1605	585	
Slate	1605	1635	30	
Black Lime	1635	1670	35	
Pencil Cave	1670	1675	5	
White Lime	1675	1865	190	
Injun	1865	1925	60	
Slate	1925	2025	100	
Shells	2025	2125	100	
Slate	2125	2339	214	
Brown Shale	2339	2359	20	
Berea Grit	2359	2381	22	

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30873

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THIS 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 Va.
COMPLETE ADDRESS
August 3, 19 50
WELL AND LOCATION
Duval District
Lincoln County
Well No. 4
J. G. Settle 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	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Set Bridge At		2325				
	Cement	2325	2315			
	Crushed Stone	5'				
	Clay to	1710				
	Cement	1710	1700			
	Crushed Stone	5'				
	Clay to	1600				
	Cement	1600	1590			
	Crushed Stone	5'				
	Bridge	1100				
	Cement	1100	1090			
	Crushed Stone	5'				
	Clay to	800				
	Cement	800	790			
	Bridge	350				
	Cement	350	340			
	Crushed Stone	5'				
COAL SEAMS	Clay to Surface			DESCRIPTION OF MONUMENT		
(Name)				Erected Marker According		
(Name)				Rule 21, 1951 Regulations		
(Name)						
(Name)						

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.

Hal Pack
H. C. Pack

Sworn to and subscribed before me this 1 day of August, 19 50.

J. S. [illegible]
Notary Public.

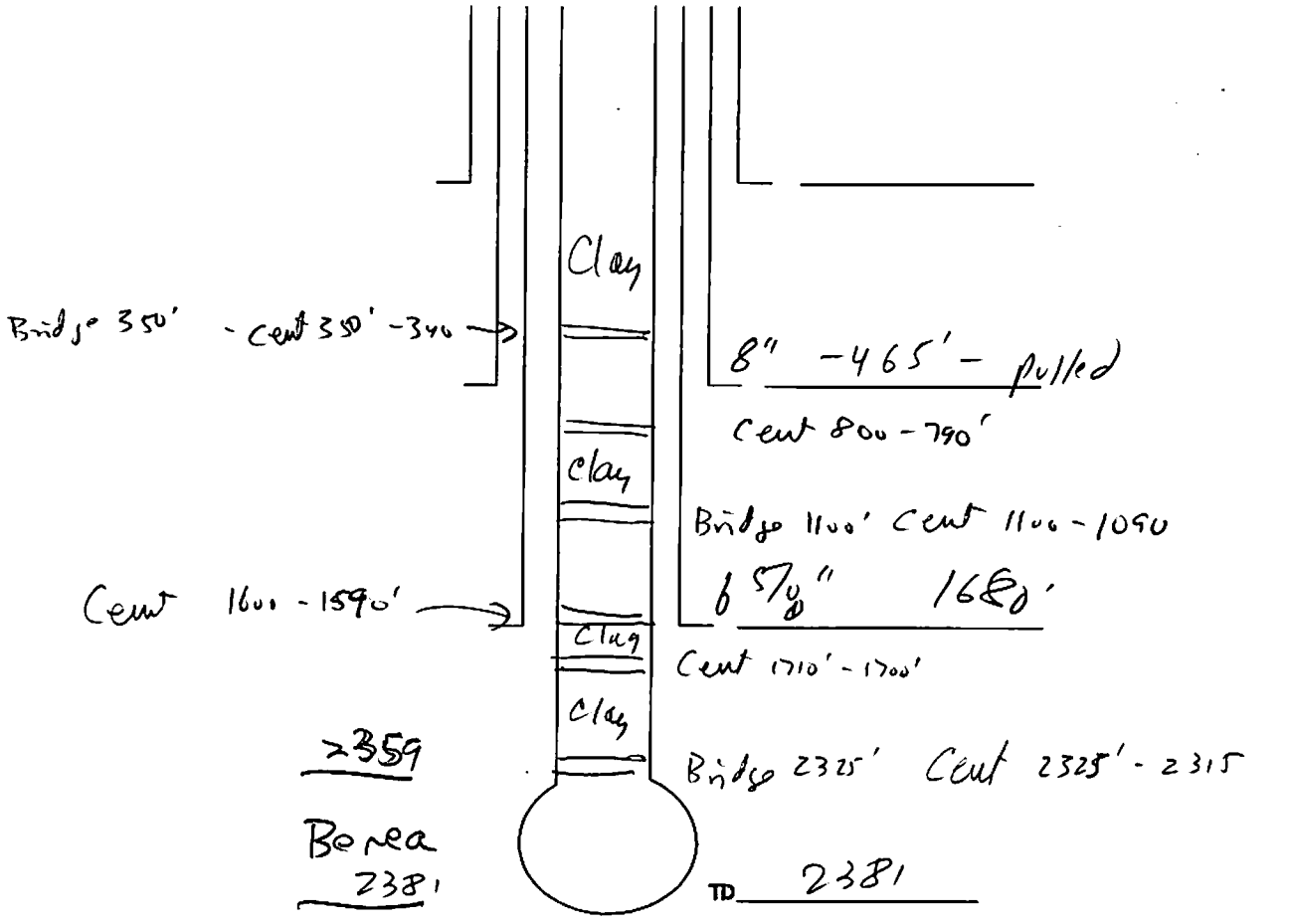
My commission expires: August 4, 1952

Permit No. 873

J 6. Sept. 4

Griffithsville Unit #2 Field

47-043- 30873



From Drillers Records/Plugging Records

no reference to casing pulled ?

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

(450)

AOR - Well Review Checklist

API Number: 47- 043 - 30869 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 5

Farm Name: J 6. Scott

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: 2500

Completion Zones: Berea. Perforated Interval:

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

Easting: 415,019 Northing: 4,234,490

Elevation: 310

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 - 30869

RECORD of Well No. 5 on J. G. Little Farm Acres
Field, Duval District Lincoln County Wva
Rig Commenced 19 , Completed 19
Drilling Commenced July 3 1917, Completed Aug 11 1917
Cost per foot, 12½ Contractor Hawley & Fluharty Oil Co Address, Hawley. Wva
Drillers' Names Roscoe Sonna & Alex Fluharty

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	4⅛ Inch
16			×	625'		1810				

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	4⅛ Inch
16						1810				

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 Press
8/14/17	80 qts									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
		20	20	El = 1011.62
Clay	20	40	20	
Sand	40	100	60	
Slate	100	125	25	
Sand	125	200	75	
Slate	200	250	50	
Sand	250	300	50	
Slate	300	620	320	
Sand	620	625	5	
Coal	625	800	175	
Sand	800	900	100	
Slate	900	1050	150	
Sand	1050	1100	50	
Slate	1100	1150	50	
Sand	1150	1200	50	
Slate	1200	1735	535	Hole full of Water at 1250'
Salt Sand	1735	1765	30	
Slate	1765	1800	35	
Black Lime	1800	1805	5	
Pencil Cave	1805	1995	190	
White Lime	1995	2055	60	
Engine ? sand	2055	2155	100	
Slate	2155	2255	100	
Shells	2255	2460	205	
Slate & Shells	2460	2480	20	
Brown Shale	2480	2500	20	
Berea Sand				

47.043

47.043-30869

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: Tulsa Okla

WELL AND LOCATION

June 17, 19 50

Duval District

Lincoln County

Well No. 5

J. G. Settle Farm

STATE INSPECTOR SUPERVISING PLUGGING: D. E. Lawson

AFFIDAVIT

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

Harvard Park and W. C. Park 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 June, 1950, and that the well was plugged and filled in the following manner:

CASING OR ZONE RECORD: FORMATION	FILLING MATERIAL: CONTENT	FROM	TO	PLUGS USED: SIZE & KIND	CASING: CSG PULLED	CSG LEFT IN
Bridge Set At		2460		10"	20'	0
	Cement	2460	2450	8¼"	None	
	Crushed Stone	5'		65/8	1677	0
	Clay To	1850		Liner Left In		
	Cement	1850	1840			
	Crushed Stone	5'				
	Bridge	1560				
	Cement	1500	1490			
	Clay To	1180				
	Cement	1180	1170			
	Crushed Stone	5'				
	Bridge	700				
	Cement	700	690			
	Crushed Stone	5'				
	Clay To	655				
	Cement	655	600			
COAL SEAMS	Sealing Off Coal			DESCRIPTION OF MONUMENT: Marker Erected According Rule		
(depth)	Clay To Surface			16, 1931 Regulations		
(depth)						
(depth)						

and that the work of plugging and filling said well was completed on the 12th day of June, 1950.

And further deponents saith not.

Harvard Park
W. C. Park

Sworn to and subscribed before me this 27 day of July, 1950.

Notary Public.

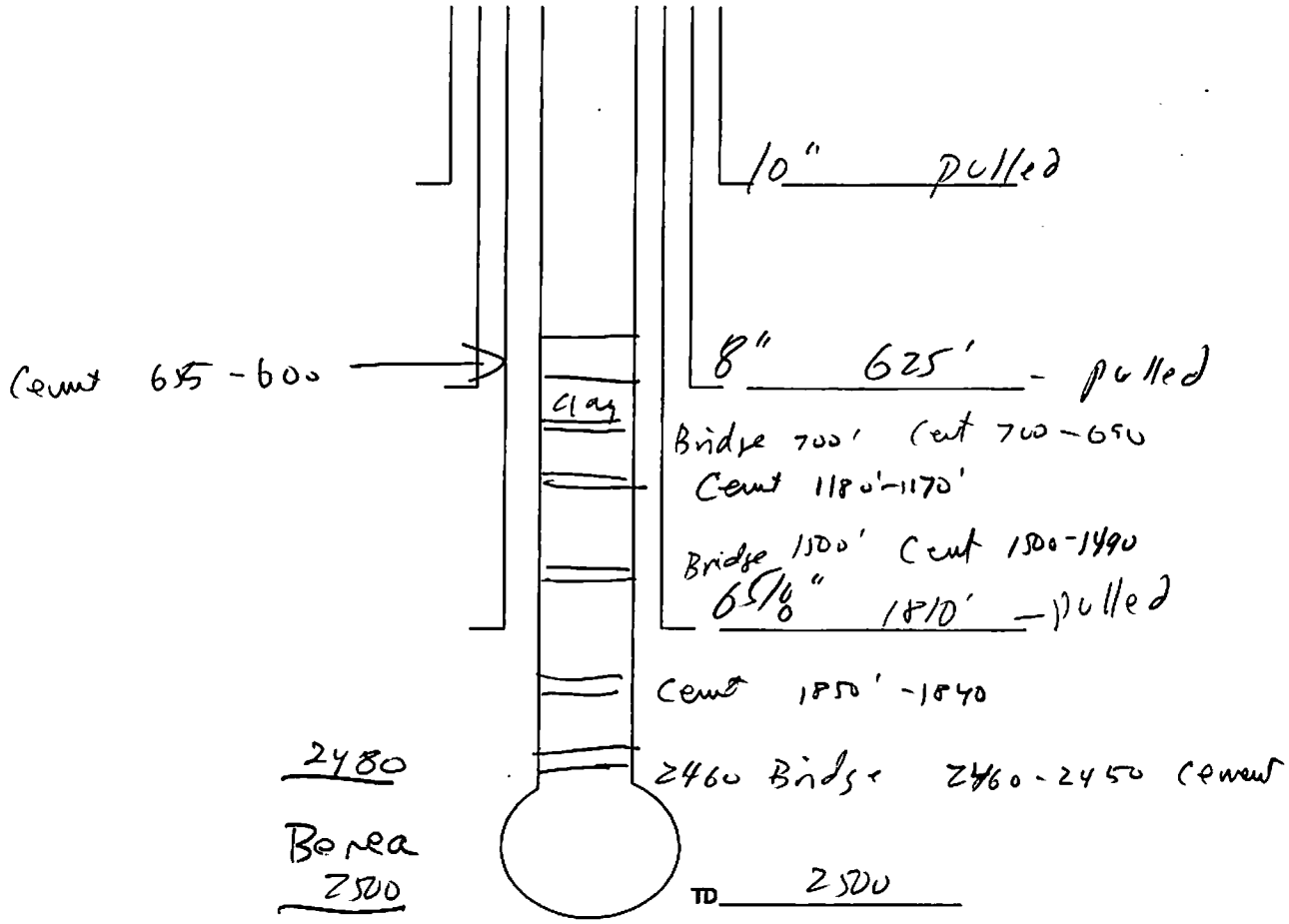
Permit No. [illegible]

My commission expires:
Sept. 1, 1957

J. Suttle 5

Griffithsville Unit #2 Field

47-043- 30869



From Drillers Records/Plugging Records

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

(351)

AOR - Well Review Checklist

API Number: 47- 043 - 30391 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 6

Farm Name: J6. Self/c

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: 2368

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,670 Northing: 4,234,025

Elevation: 266

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 - 30391

Well No. 6 J. Poole Farm Acres
Lease No. Duval District Lincoln County W. Va. State
South Penn Oil Co. Contractor Contractor
Drilling Commenced Dec. 1, 1919 Drilling Completed March 16, 1919
N. S. E. W.

ROCK FORMATION	TOP	BOTTOM	STEEL LINE MEASUREMENT	REMARKS
Conductor	16			
Clay	0	16		
Ref. Rock	16	50		
Slate	50	175		
Sand	175	700		
Slate	700	775		
Sand	775	750		
Coal	750	755		
Slate	755	300		
Coal	300	305		
Slate and Shells	305	360		
Sand	360	810		
Slate	810	900		
Sand	900	950		
Slate	950	980		
Salt Sand	980	1000		
Water	1000	1591		
Slate	1080			
Maxon Sand	1591	1601		
Slate	1601	1611		
Little Lime	1611	1631		
Penn. Sand	1631	1666		
	1666	1671		

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.

Shot Date
Amount
Sand
Result
Packer Size
Depth Set

Production First 24 Hours.....Bbls. Gas Test.....

Approved by.....Superintendent

47-043-3039

Well No. 6 T. J. Beattie Farm Acres
Lease No. Heirs District Lincoln County Ritchie State
Stuart Pure Oil Co. Contractor Contractor
Drilling Commenced Feb. 1 1919 Drilling Completed Mar. 26, 1919.
N. S. E. W.

ROCK FORMATION	TOP	BOTTOM	STEEL LINE MEASUREMENT	REMARKS
Big Lime	1671	1861		
Casing 6 5/8	1684			
Big Injun	1861	1901		
Slatted Sands	1901	2318		
Brown Shale	2318	2348	2348	
Berea Sand	2348	2369	2369	
Gas	2350	2368	2350	
Oil	2351			
Total Depth		2368		

"ABANDONED"
DEC. 18, 1943

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	460				460	
6 5/8	1686 ~~1684~~		519		1167 ~~1684~~	

Shot Date Mar. 19, 1919
Amount 80 Quarts
Sand Berea Sand
Result Gas Show
Packer Size 6 5/8 Patent Shoe used
Depth Set 1671

Production First 24 Hours 3 Bbls. Gas Test

Approved by A. P. Hamilton Superintendent

FORM 66-5

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30391

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.

Bruce W. McCallister
COAL OPERATOR OR OWNER (If any)
Yawkey, W. Va.
ADDRESS

COAL OPERATOR OR OWNER
ADDRESS

Bruce W. McCallister
LEASE OR PROPERTY OWNER
Yawkey, W. Va.
ADDRESS

South Penn Natural Gas Co.
NAME OF WELL OPERATOR
Union Trust Building
Parkersburg, W. Va.
COMPLETE ADDRESS

December 18, 194 3.
WELL AND LOCATION

Duval District
Lincoln County
Well No. 6
J. I. Settle Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

R. C. Tiffner and Kelly Curnes 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 29th day of September, 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
Berea Sand	Were unable to pull packer set at 1901'. Authorized to bridge hole at 1901'.			7" Casing	519	1167
	Cement	1901	1891			
Big Injun Sand	Clay	1891	1696			
	Cement	1696	1686			
Big Lime, Little Lime & Maxon Sands	Clay	1686	1581			
	Cement	1581	1571			
Salt Sand	Clay	1571	980			
	Cement	980	970			
	Bridge		519			
	Cement	519	509			
	Clay	509	335			
	Clay	230	To Surface			
COAL SEAMS				DESCRIPTION OF MONUMENT		
(NAME)	Cement	335	230	6-5/8" Casing extending 3' above surface set in concrete. Following inscription		
(NAME)				S.P.N.G.Co. J.G.Settle #6 12-13-43		
(NAME)						
(NAME)						

and that the work of plugging and filling said well was completed on the 13th day of December, 194 3.

And further deponents saith not.

R. C. Tiffner
Kelly Curnes

Sworn to and subscribed before me this 23 day of December, 1943.

Notary Public.

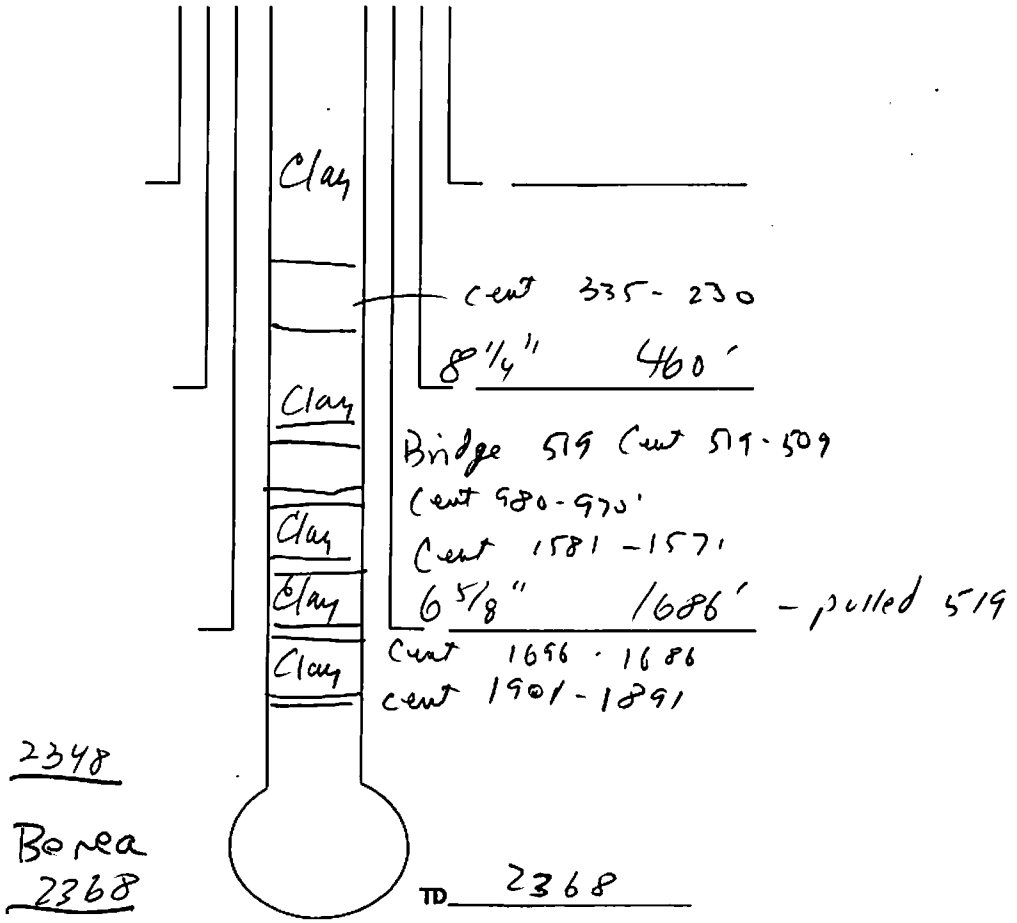
My commission expires: Dec. 7- 1947

Permit No. A-1-301

J 6. Sattic 6

Griffithsville Unit #2 Field

47-043- 30391



From Drillers Records/Plugging Records

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

(352)

AOR - Well Review Checklist

API Number: 47- 043 - 30772 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: #1

Farm Name: M Spurlock

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: 2424

Completion Zones: Berea. Perforated Interval:

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

Easting: 415,234 Northing: 4,233,361

Elevation: 279

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:

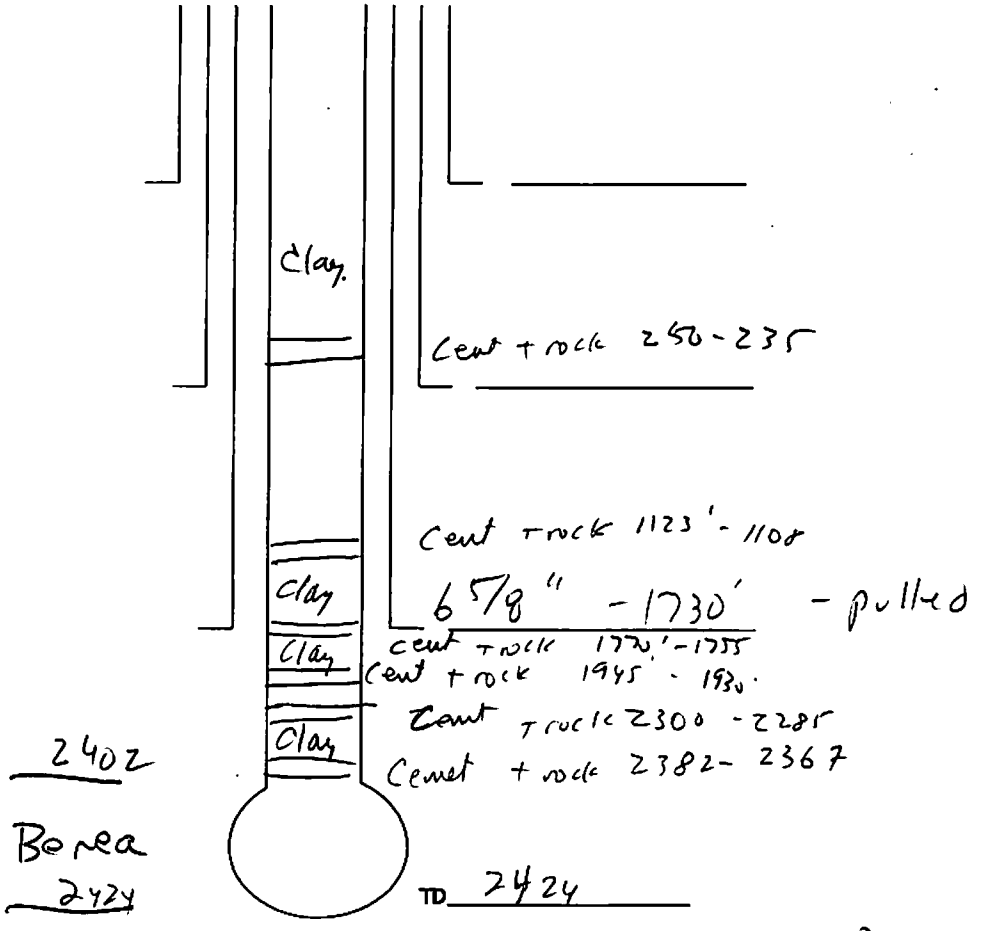
Date Reviewed:

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

M Sparlock 1

Griffithsville Unit #2 Field

47-043- 30772



CSN record

NO

From Drillers Records/Plugging Records

FORM GG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30772

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
LESSEE OR PROPRIETY GAS CO
ADDRESS

NAME OF COAL OPERATOR: G.-S.-H. SUPPLY CO.
COMPLETE ADDRESS: Box 895, Tulsa, Okla.
WELL AND LOCATION: June 24, 1949
Duval District
Lincoln County
Well No. 1
M. Spurlock Farm
STATE INSPECTOR SUPERVISING PLUGGING: Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Gwin Lancaster and Bernard 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 M. M. Tripplehorn contractor, and participated in the work of plugging and filling the above well, that said work was commenced on the 16th day of June, 19 49, and that the well was plugged and filled in the following manner:

COAL OR ROCK RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Cement & rock	2382	2367	6-5/8"	1730	0
	Clay	2367	2300			
	Cement & rock	2300	2285			
	Cement & rock	1945	1930			
	Clay	1930	1770			
	Cement & rock	1770	1755			
	Cement & rock	1250	1235			
	Clay	1235	1123			
	Cement & rock	1123	1108			
	Cement & rock	250	235			
	Clay	235	surface			

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	Cement block
(NAME)	G. S. & H. Supply
(NAME)	M. Spurlock 1
(NAME)	6-21-49

and that the work of plugging and filling said well was completed on the 21st day of June, 19 49.

And further deponents saith not.

Bernard McClure

Sworn to and subscribed before me this 29 day of June, 1949.

J. R. Roberson
Notary Public.

My commission expires:
Oct-9-1957

Permit No. LIN-772

47.043- 30772

RECORD of Well No. 1 on W. Stewart Farm Acres [illegible]

[illegible] Field, [illegible] District [illegible] County, [illegible]

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

Drilling Commenced [illegible] 1904 Completed June 12 1910

Cost per foot, 1.10 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 inch	4¾ inch
12										

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	4¾ inch
12										

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
1/13/10	9 qts	2nd Shot	11/12	1304

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
		12	12	Top of Sand Rock Dec. 22nd 09
[illegible]	12	200	188	
[illegible]	200	240	40	
[illegible]	240	260	20	Salt Water at 245
[illegible]	260	265	5	
[illegible]	265	330	65	Hole full at Kansas
[illegible]	330	334	4	at 1143
[illegible]	334	487	153	450' 10" hole - 1143 6¼
[illegible]	487	493	6	
[illegible]	493	720	227	
[illegible]	720	790	70	
[illegible]	790	995	205	
[illegible]	995	1060	65	
[illegible]	1060	1143	83	
[illegible]	1143	1685	542	
[illegible]	1685	1725	40	
[illegible]	1725	1730	5	
[illegible]	1730	1900	170	
[illegible]	1900	1945	45	
[illegible]	1945	2381	436	
[illegible]	2381	2402	21	
[illegible]	2402	2424	22	

47-043-30772

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

353

AOR - Well Review Checklist

API Number: 47- 043 - 30688 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 7
Farm Name: M Sprouse
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: 2502
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,050 Northing: 4,232,818
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.*

Well No. 2 on W. Shurlock Farm Acres
Field, District County,
Commenced 19 , Completed 19
Drilling Commenced Oct 29 1910, Completed Dec 16 1910
Cost per foot, 1.15 Contractor, Hardy & Hyman Drlg Co Address, Glenville W. Va.
Drillers' Names, S.B. Fuller & D.L. Lewis

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	4⅜ Inch
14						1820				

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	4⅜ Inch
14						1820				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set
12/7/10	90 qts.	2nd Shot	4½	13	1309 ft.		

GAS WELL

Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
		14	14	El = 997.66
Sd & clay	14	22	8	425' of 10" hole
Lime	22	47	25	
Slate	47	57	10	
Lime	57	87	30	
Big Injun	87	147	60	
Slate	147	247	100	
Red Rock	247	270	23	
Sand	270	320	50	
Slate	320	325	5	
Lime	325	435	110	
Slate & Shells	435	500	65	47-043-30688
Sand	500	525	25	
Slate	525	550	25	
Sand	550	1000	450	
Slate & Shells	1000	1020	20	
Lime	1020	1160	140	Hole full of Water at 1210
Slate & Shells	1160	1755	595	
Salt Sand	1755	1760	5	
Slate	1760	1805	45	
Little Lime	1805	1985	180	No Show oil or gas
Big Lime	1985	2025	40	
Big Injun	2025	2105	80	
Slate	2105	2265	160	
Lime Shells	2265	2471	206	
Slate	2471	2481	10	
Burn Sand	2481	2502	21	

FORM GG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30684

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
LESSEE OR PROPERTY OWNER
ADDRESS

NAME OF WELL OPERATOR: G. S. & H. Supply Co.
COMPLETE ADDRESS: Box 895, Tulsa, Okla.
WELL AND LOCATION: April 19 49
Duval District
Lincoln County
Well No. 8
M. Spurlock 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 April, 19 49, and that the well was plugged and filled in the following manner:

COAL OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO	PLUGS USED SIZE & KIND	CASING CSG PULLED	CSG LEFT IN
	Cement & Rock	2461	2446	6-3/16	1358	200
	Clay	2446	2360	6-5/8	393	1427
	Cement	2360	2350			
	Cement & Rock	2015	2000			
	Clay	2000	1850			
	Cement & Rock	1850	1835			
	Cement	1250	1235			
	Clay	1235	1140			
	Cement	1140	1130			
	Cement & Rock	250	235			
	Clay	235	Surface			

COAL SEAMS
DESCRIPTION OF MONUMENT
Cement Rock
G. S. & H. Supply
M. Spurlock #8
4-19-49

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

And further deponents saith not.

John Wright
John Curtis

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

J. E. Osborne
Notary Public.

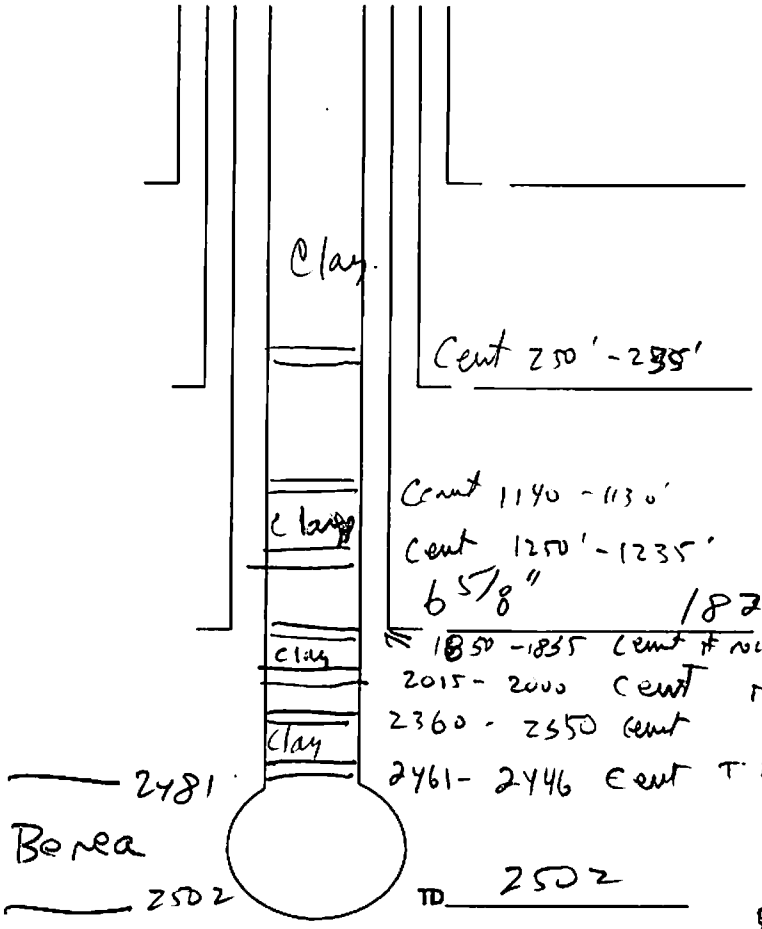
My commission expires: Oct 5 1951

Permit No. LIN-697684

M Spurlock 2

Griffithsville Unit #2 Field

47-043- 30688



From Drillers Records/Plugging Records

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

354

AOR - Well Review Checklist

API Number: 47- 043 - 30694 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: M Sprilock

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: 2278

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,515 Northing: 4,233,005

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.*

47-043-30694

RECORD of Well No. 2 on W. Shurlock Farm Acres

Field, District County,

...g Commenced 19 , Completed 19

Drilling Commenced Aug 31 1911, Completed Oct 16 1911

Cost per foot, 1/5 Contractor, Jarvis & Thomas Drlg Co. Address, Laurel, Miss.

Drillers' Names, Everett Wiley & J. Williamson

CONDUCTOR AND CASING USED IN DRILLING.

onductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4¾ Inch
15'						1575'				

CONDUCTOR AND CASING LEFT IN WELL.

onductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4¾ Inch
12'						1575'				

OIL WELL **GAS WELL**

hen Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
10/17/11	80qts									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soft & clay		15	15	Cond 10" in Big Lime
Sand	15	35	20	
Hard & Shells	35	160	125	
Lime	160	200	40	
Hard	200	240	40	
Coal	240	243	3	
Sand	243	303	60	
Hard	303	373	70	
Sand	373	393	20	395' of 10" Hole
Hard & Sand	393	893	500	
Hard	893	940	47	Hole full of Water at 935'
Hard Sand	940	1510	570	
Hard	1510	1520	10	
Soft Sand	1520	1560	40	
Pencil Cave	1560	1565	5	
Big Lime	1565	1755	190	
Big Lime	1755	1820	65	
Hard	1820	1890	70	
Lime & Shells	1890	2040	150	
Hard	2040	2237	197	
Brown Shell	2237	2257	20	
Pink Sand	2257	2278	21	

FORM GG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30694

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

August 17, 1949
WELL AND LOCATION
Duval District
Lincoln County
Well No. 9
M. Spurlock Farm

STATE INSPECTOR SUPERVISING PLUGGING Hamp E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Art Hays and Carl Miller 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 well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 19th 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
	Cement & rock	2237	2222	5-3/16	1609	0
	Clay	2222	2125	6-5/8	1222	0
	Cement & rock	2125	2110			
	Cement & rock	1820	1805			
	Clay	1805	1605			
	Cement & rock	1605	1590			
	Cement & rock	1050	1035			
	Clay	1035	920			
	Cement & rock	920	905			
	Cement & rock	250	235			
	Clay	235	surface			
COAL SEAMS				DESCRIPTION OF MONUMENT		
				Cement block		
				G. S. & H. Supply Co.		
				Spurlock #9		
				5-8-49		

and that the work of plugging and filling said well was completed on the 8th day of May, 19 49.

And further deponents saith not. Elva P. Lingston

Sworn to and subscribed before me this 22nd day of August, 1949.

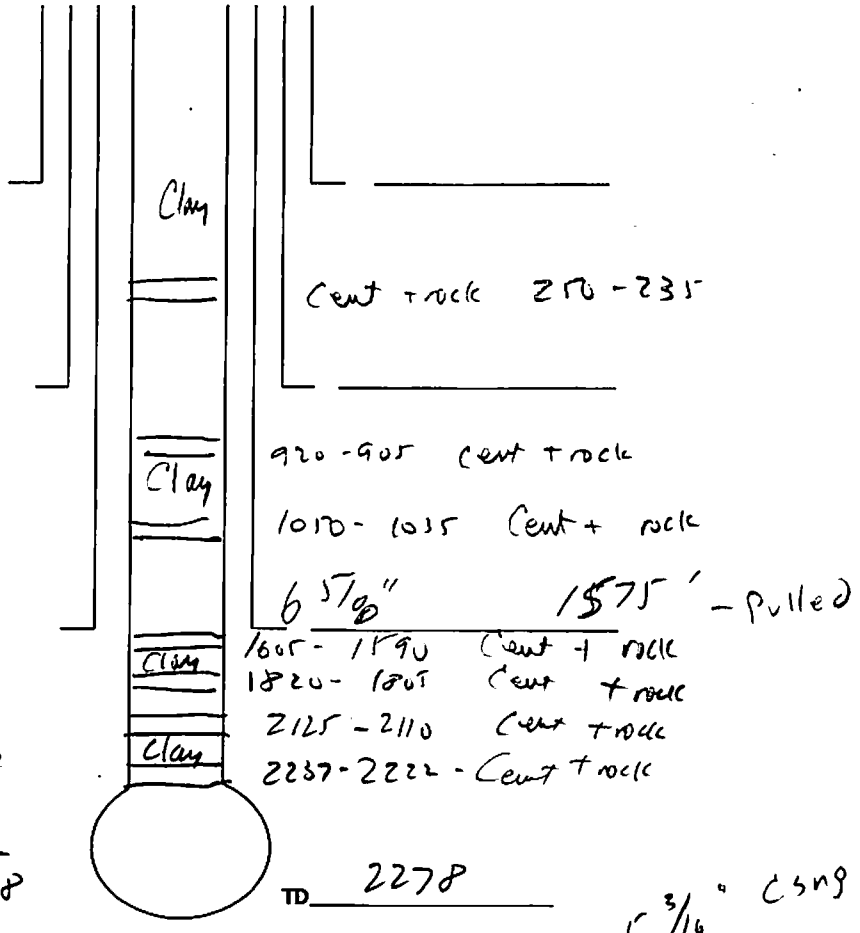
My commission expires:

Notary Public.
Permit No. LIN-694

N Sparlock 3

Griffithsville Unit #2 Field

47-043- 30694



From Drillers Records/Plugging Records

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

355

AOR - Well Review Checklist

API Number: 47- 043 - 30721 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 4

Farm Name: M Sprouse

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: 2411

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,462 Northing: 4,232,793

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.*

47-43-20721

RECORD of Well No. 4 on W. L. Spurlock Farm Acres

Field, District County

Rig Commenced 19 , Completed 19

Drilling Commenced Oct 30 1911, Completed Dec 11 1911

Cost per foot, 1.15 Contractor Hawley & Inman Oil Co. Address, Hawley, W. Va.

Drillers' Names O. L. Harris & James Donegan

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
10						1715'				

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
10						1715'				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
12/12/11	80 qts.			

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil & Clay		10	10	Found 15' in Big Lime
Sand	10	30	20	
Slate	30	80	50	E. = 5
Coal	80	83	3	
Sand	83	123	40	
Slate	123	183	60	
Sand	183	253	70	
Slate	253	348	95	
Sand	348	388	40	290' of 10" Line.
Slate	388	448	60	
Sand & Slate	448	1048	600	
Slate	1048	1110	62	Hole full of Water at 1120
Salt Sand	1110	1645	535	
Slate	1645	1655	10	
Little Lime	1655	1698	43	Shot 1/19/12 - 110 qts. Torpedo.
Pencil Cave	1698	1700	2	
Big Lime	1700	1890	190	
Big Injun	1890	1940	50	
Lime	1940	2000	60	
Injun	2000	2150	150	
Slate	2150	2370	220	
Brown Shale	2370	2390	20	
Berea Sand	2390	2411	21	

FORM GO-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30721

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 14, 19 49

Duval District

Lincoln County

Well No. 4

M. Spurlock Farm

STATE INSPECTOR SUPERVISING PLUGGING: Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Art Hays and Carl Miller 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 5th 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	2370	2355	6-5/8	1715	0
	Clay	2355	2275	5-3/16	1704	0
	Cement & rock	2275	2265			
	Cement & rock	1940	1925			
	Clay	1925	1745			
	Cement & rock	1745	1730			
	Cement & rock	1225	1210			
	Clay	1210	1090			
	Cement	1090	1080			
	Cement & rock	250	235			
	Clay	235	surface			
COAL SEAMS				DESCRIPTION OF MONUMENT		
(NAME)				Cement block		
(NAME)				G. S. & H. Supply		
(NAME)				Spurlock 4		
(NAME)				5-14-49		

and that the work of plugging and filling said well was completed on the 14th day of May, 19 49.

And further deponents saith not.

Art Hays

C. W. Miller

Sworn to and subscribed before me this 17 day of May, 19 49.

J. R. Ogle
Notary Public.

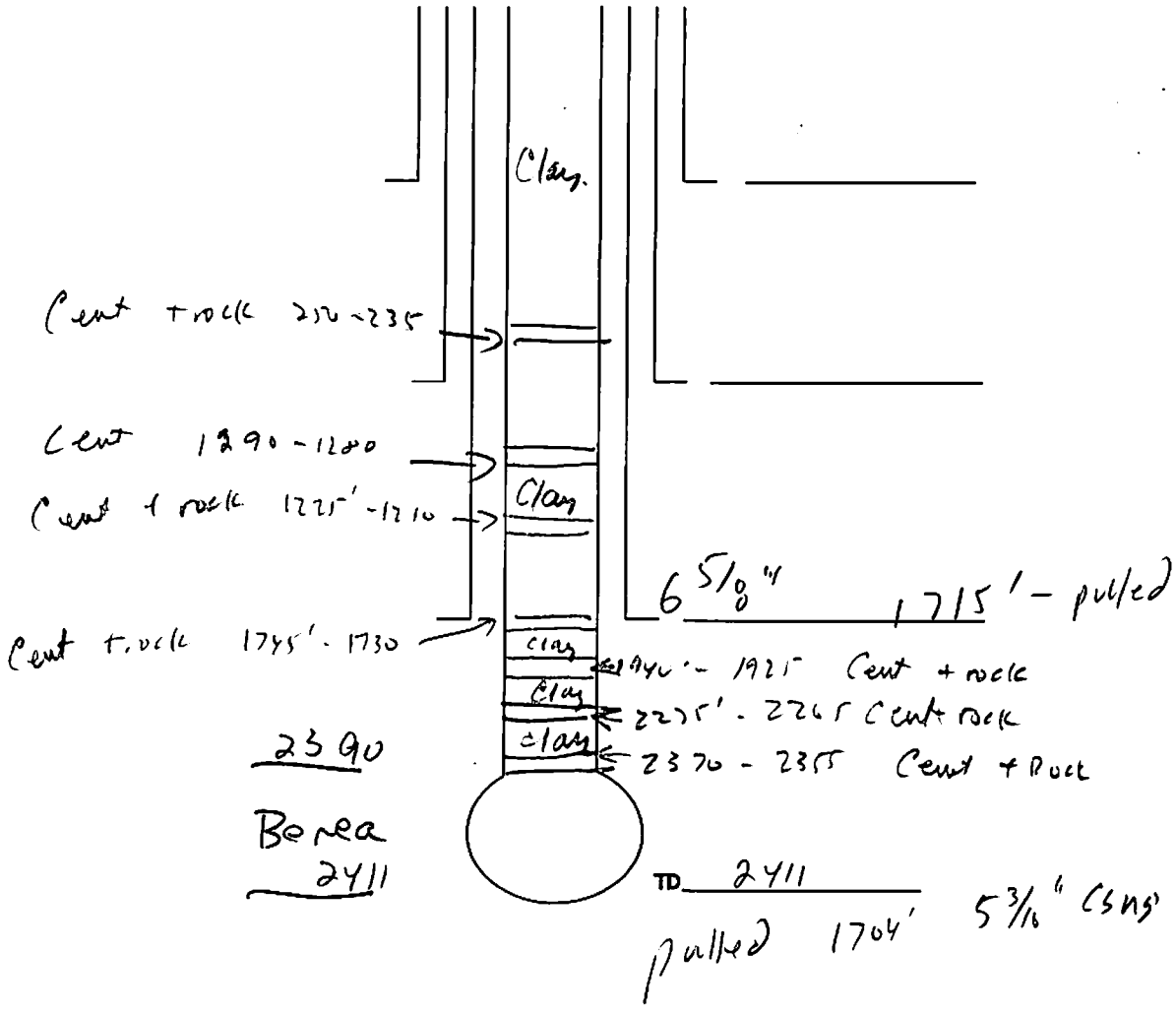
My commission expires:
Oct 9 1957

Permit No. LIN-721

N Spudder 4

Griffithsville Unit #2 Field

47-043- 30721



From Drillers Records/Plugging Records

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

356

AOR - Well Review Checklist

API Number: 47- 043 - 30393 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 5

Farm Name: M Spurlock

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: 2273

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,430 Northing: 4,233,138

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.*

47-043-30393

RECORD of Well No. 5 on W. L. Shurlock Farm Acres

Field, District County

Drilling Commenced 19 , Completed 19

Drilling Commenced April 8 1912, Completed May 20 1912

Cost per foot, 1/5 Contractor, Yauney & Inman Drl'g Co. Address, Yauney, W. Va.

Drillers' Names Jas. Donegan & W. E. Kellerman

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				1368	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	4⅜ Inch
		15				~~1368~~				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
5/21/12	80 qts.			

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		15		Cased 6⅝-11 in Big Injun
Sand	15	40	25	
Slate	40	190	150	
Sand	190	290	100	350' 10" hole
Coal	290	296	6	
Slate	296	300	4	Big water 960
Sand	300	350	50	
Slate	350	400	50	
Sand	400	625	225	
Slate	625	745	120	
Sand	745	855	110	Gas at 950
Slate	855	890	35	
Lime	890	920	30	
Slate	920	930	10	El = 7
Salt Sand	930	1475	545	
Slate	1475	1520	45	
Little Lime	1520	1532	32	"Abandoned"
Pencil Cave	1532	1537	5	Jan. 24, 1944.
Big Lime	1537	1730	193	
Injun	1730	1800	50	
Slate	1800	1870	70	
Injun	1870	1980	110	
Slate	1980	2253	273	
Berea Sand	2253	2273	20	

Form 60-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30393

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.

Jas. Linkous
(If any) COAL OPERATOR OR OWNER
Yawkey, W.Va.
ADDRESS

COAL OPERATOR OR OWNER
ADDRESS

Jas. Linkous
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

February 16 1944.
WELL AND LOCATION

Duval District
Lincoln County
Well No. 5
Matthew Spurlock Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Arlie Satterfield and Wallace Hart 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 29th day of December, 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 Sand	Clay	2273	2233	7"	1568	
	Cement	2233	2223			
Big Injun Sand	Bridge		1830			
	Clay	1830	1578			
	Cement	1578	1568			
Little and Big Lime	Clay	1568	1500			
	Cement	1500	1490			
Salt Sand	Clay	1490	910			
	Cement	910	900			
	Bridge		302			
	Clay	247	Surface			
COAL SEAMS				DESCRIPTION OF MONUMENT		
(SAND)	Cement	302	247	6-5/8" Casing extending 3' above surface, set in concrete with the inscription (SPNGCo -- Matthew Spurlock #5 1-24-44)		
(SAND)						
(SAND)						

and that the work of plugging and filling said well was completed on the 24th day of January 194 4.

And further deponents saith not.

Arlie Satterfield
Wallace Hart

Sworn to and subscribed before me this 17th day of January, 1944.

Notary Public.

My commission expires: Dec. 7- 1947

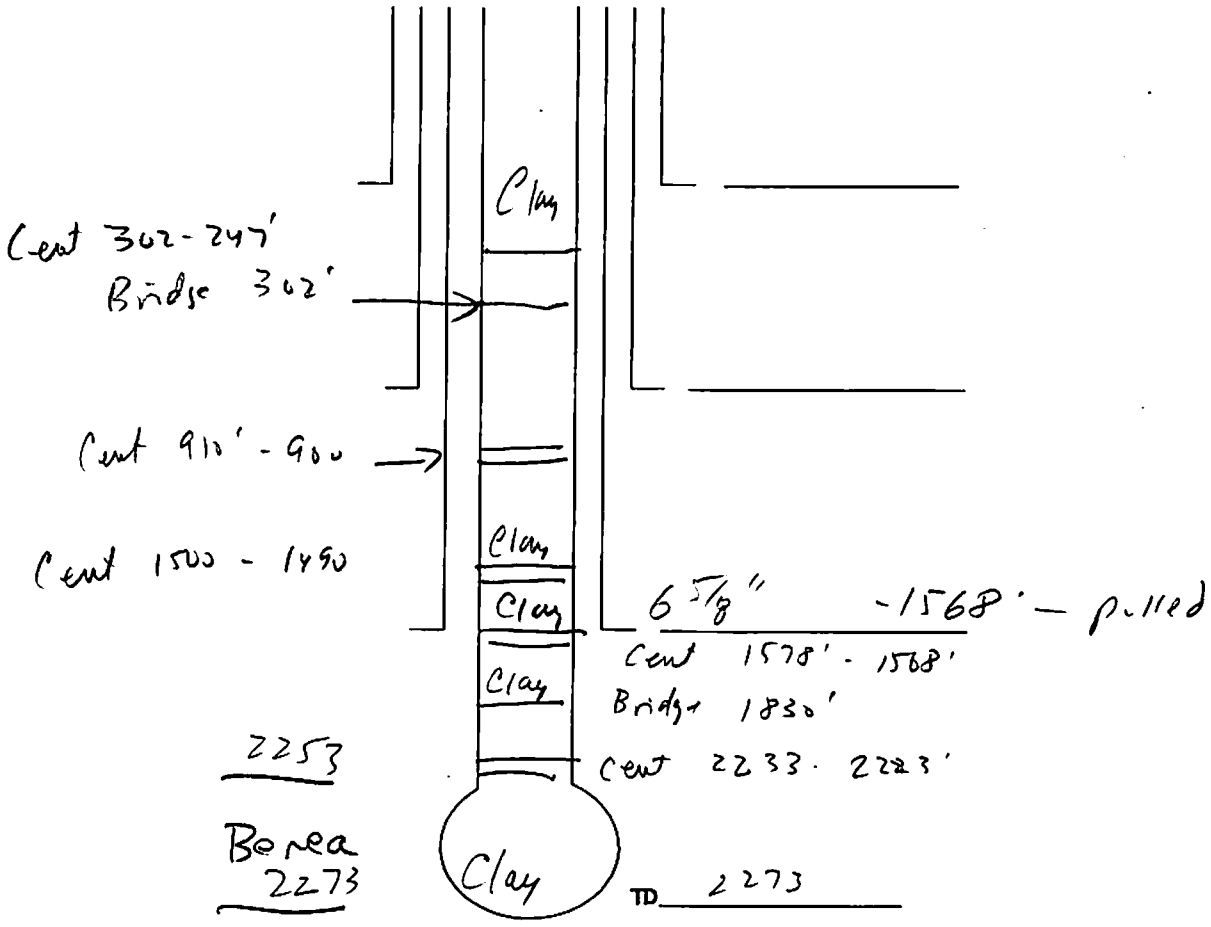
Permit No. LIV-393

ACME PRINTING COMPANY, CHARLESTON, W. VA.

M Services

Griffithsville Unit #2 Field

47-043- 30 393



From Drillers Records/Plugging Records

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

357

AOR - Well Review Checklist

API Number: 47- 043 -02188 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 6

Farm Name: M Spurlock

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: 414, 225 Northing: 4,232, 720

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.*

47-043-02188

RECORD of Well No. 6 on Wm. Sandbach Farm Acres

Field, District County

Rig Commenced 19 Completed 19

Drilling Commenced Nov. 2 1912 Completed Dec 12 1912

Cost per foot, 1¢ Contractor Hurley & Hinman Gas Co. Address, Waverly, W.Va.

Drillers' Names James Douglass & E. Mitchell

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				440		1665'				

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						1665'				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
12/13/12	80 qts			

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		16	16	El= 8
Slate	16	76	60	
Sand	76	96	20	
Slate	96	105	9	
Sand	105	205	100	
Blue	205	250	45	
Sand	250	390	140	
Coal	390	395	5'	
Sand	395	600	205'	
Slate	600	660	60	
Sand	660	740	80	
Slate	740	800	60	
Sand	800	920	120	
Slate	920	1000	80	Hole full of water .. 1/07
Coal	1000	1060	60	
Sand & Shale	1060	1610	550	
Little Lime	1610	1650	40	
Pencil Cave	1650	1655	5'	
Big Lime	1655	1855	200	Shot- 7/9/13-120 qts.
Big Injun	1855	1905	50	
Slate	1905	1970	65'	
Sand	1970	2090	120	
Coal	2090	2314	224	
Gilmer Shale	2314	2333	19	
Gilmer Sand	2333	2354	21	

47-043-02188

API# 47-043-2188

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: Matthew Spurlock
LOCATION: Elevation: 860'
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: 7/23/09'

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 24th day of September, 2009, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED		LEFT
Cement	2322'	2210'	6 5/8"	0'	1665'
Cement	1851'	1600'	5 3/16"	1706'	0'
Cement	1053'	950'			
Cement	558'	300'			
Cement	121'	0'			
		Peforated 6 5/8" Casing - 3 Shots; 1003' - 998',			
		428' - 423' & 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 5th day of October, 2009'
And further deponents saith not.

Mark Miller
Roger McConnell

Sworn and subscribe before me this 19th day of October, 2009

My commission expires: Oct. 4 2016

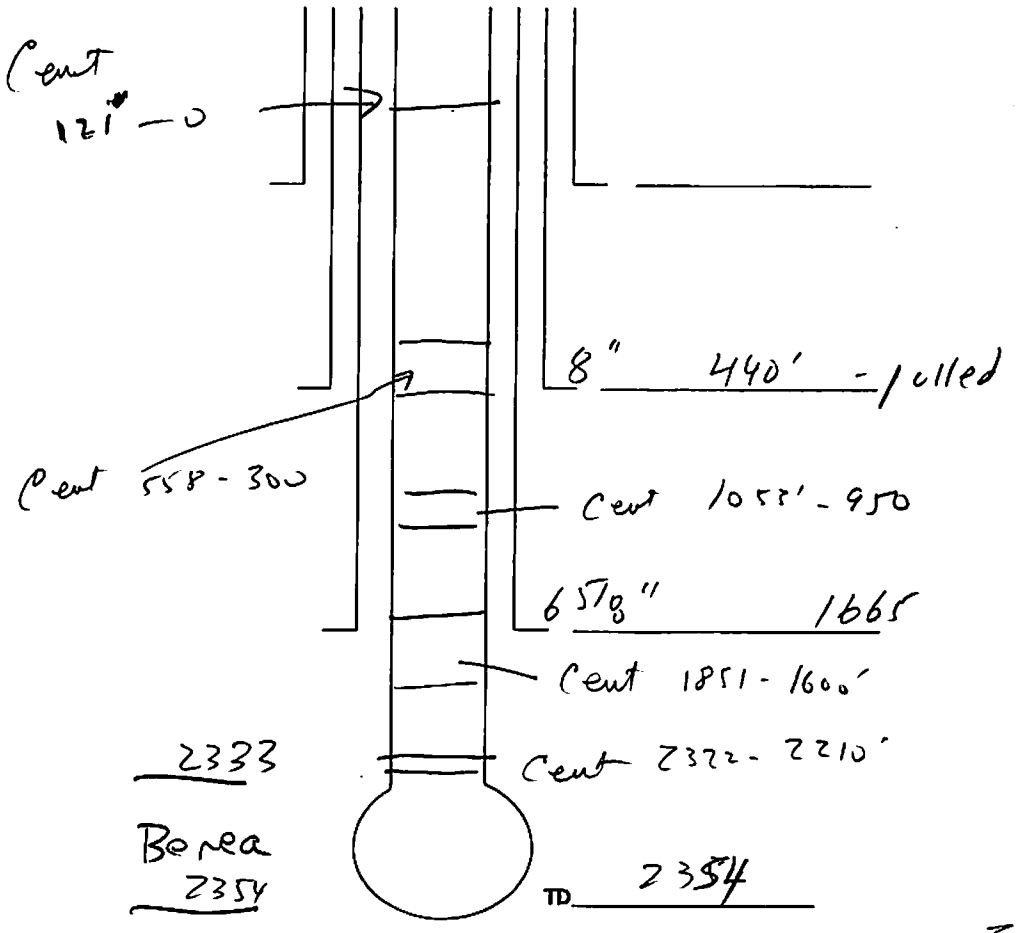
Diane Dalton

RECEIVED
Office of Oil & Gas
OCT 9 2009
WV Department of
Environmental Protection

M Spurlock 6

Griffithsville Unit #2 Field

47-043- 02188



Pulled 1706' 5 3/16" csng
unable to pull 6 5/8" csng
perforated

From Drillers Records/Plugging Records

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

358

AOR - Well Review Checklist

API Number: 47- 043 - 30975 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 7

Farm Name: N Spurlock

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: 414,353' Northing: 4,232,557

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.*

Well No. 7 on W. Shurlock Farm Acres

Field, District County

Commenced 19 , Completed 19

Drilling Commenced Dec 19 1912, Completed Jan 31 1913

Cost per foot, 11s Contractor, Yauley & Thomson Address, Yauley, W. Va.

Drillers' Names J. B. Wash & W. E. Hellenbrand

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
14						1740				

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
14						1740				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
2/1/13	60qts			

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		14	14	El = 957.94
Slate	14	50	36	
Sand	50	95	45	
Slate	95	135	40	
Sand	135	195	60	47-043-3097 S
Slate	195	240	45	
Sand	240	340	100	
Slate	340	375	35	
Sand	375	430	55	480' of 10" hole
Coal	430	433	3	
Sand	433	476	43	
Coal	476	480	4	
Sand	480	575	95	
Slate	575	660	85	
Sand	660	760	100	
Slate	760	865	105	
Sand	865	1025	160	Hole full of Water at 1195'
Slate	1025	1065	40	
Salt Sand	1065	1690	625	
Slate	1690	1695	5	
Little Lime	1695	1730	35	
Pencil Cave	1730	1735	5	
Big Lime	1735	1920	185	
Big Injun	1920	1965	45	
Slate	1965	2055	90	
Squaw	2055	2140	85	
Slate	2140	2415	275	
Brown Shale	2415	2435	20	
Berea Sand	2435	2453	18	

47-043-30975

FORM GO-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30975

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 — Bradford Supply Company (NAME OF COAL OPERATOR)
ADDRESS — Bradford, Pa. (COMPLETE ADDRESS)
COAL OPERATOR OR OWNER — April 27th, 19 51 (WELL AND LOCATION)
ADDRESS — Duval District
LEASE OR PROPERTY OWNED — Lincoln County
ADDRESS — Well. No. 7
M. Spurlock Farm

STATE INSPECTOR SUPERVISING PLUGGING D. R. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Hugh Cravens and Paul 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 Bradford Supply 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 April, 19 51, and that the well was plugged and filled in the following manner:

CASING OR TUBING RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Berea	Bridge	2400'		7" casing	1740	0
	Clay to	2200				
	Cement	2200	2190	2" tubing	2447	0
	Gr. Stone	2190	2185			
	Bridge	1995				
	Clay	1995	1900			
	Cement	1900	1820			
	Gr. Stone	1820	1685			
	Bridge	1770				
	Clay	1770	1720			
	Bridge	1300				
	Clay	1300	1040			
	Cement	1040	1030			
	Gr. Stone	1030	1025			
	Bridge	300				
COAL SEAMS	2 bags cement			DESCRIPTION OF EQUIPMENT		
NAME	Clay to surface			7" pipe filled with cement.		
NAME						
NAME						

and that the work of plugging and filling said well was completed on the 26th day of April, 19 51.

And further deponents saith not.

Hugh Cravens
Paul McClure

Sworn to and subscribed before me this 5th day of June, 19 51.

H. C. Spurlock
Notary Public.

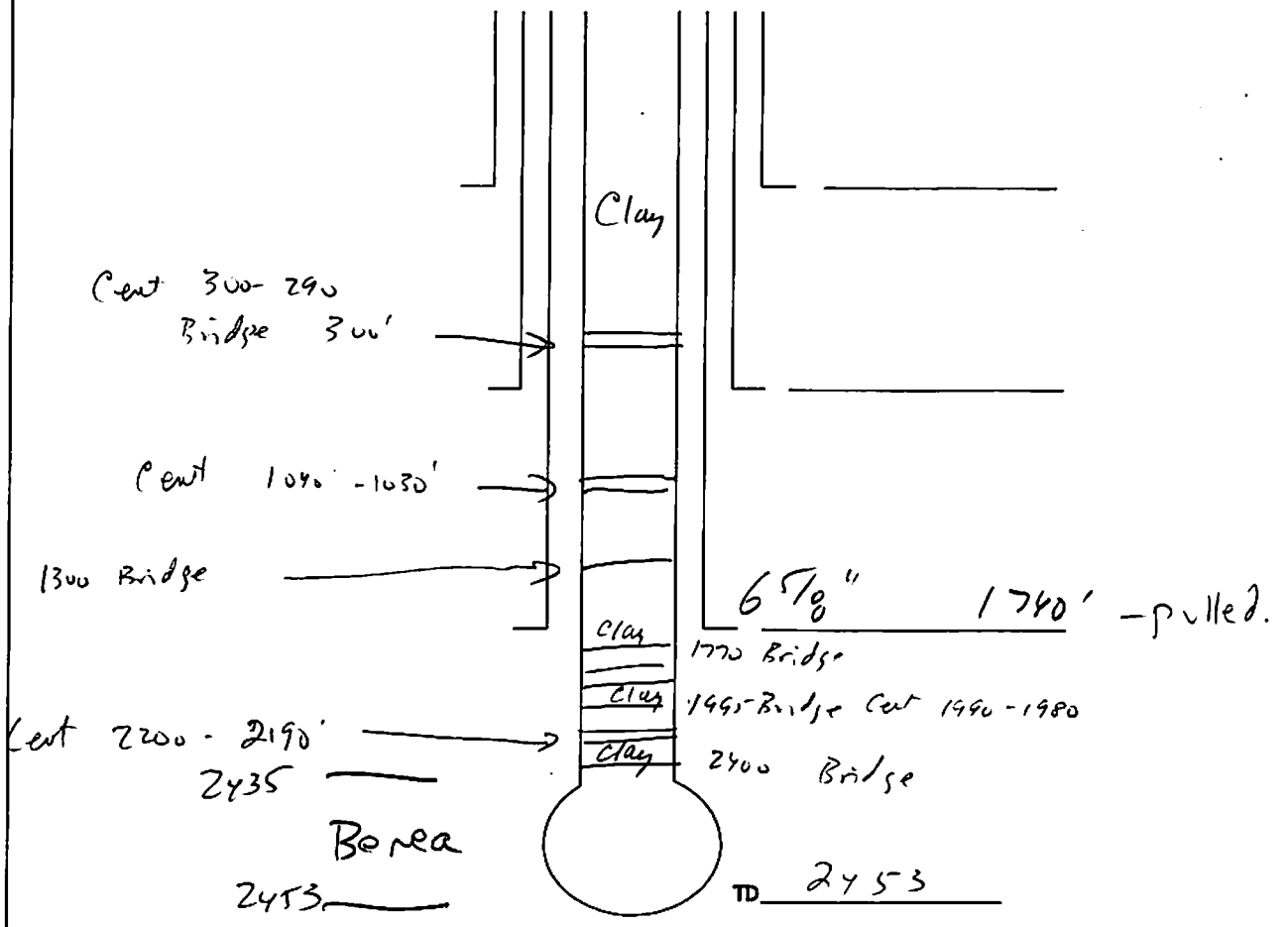
My commission expires: Feb. 2nd. 19 59

Permit No. LN-976.

Mt Squilloc 7

Griffithsville Unit #2 Field

47-043- 3097-



From Drillers Records/Plugging Records

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

359

AOR - Well Review Checklist

API Number: 47- 043 - 30794 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 8

Farm Name: M Spurlock

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: 2264

Completion Zones: Berea. Perforated Interval:

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

Easting: 415,055 Northing: 4,233,496

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.*

AD of Well No. 8 on W. L. Swinlock Farm Acres

Field, District County

Rig Commenced 19 , Completed 19

Drilling Commenced July 2 19 12 , Completed Aug 12 19 12

Cost per foot, 12 Contractor Meiler Bros Address, Hawley, W. Va.

Drillers' Names John Mahle. Ed Hellman & B. Sutton

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
15'						1564				

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
15'						1564				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	
8/12/12	80 qts.				

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Alluvium		15'	15'	Seam of coal 95' to 100'
Sand	15'	65'	50	
Slate	65'	135'	70	El = 764.8±
Slate & Shells	135'	170'	35'	
Sand	170'	250'	80	260' 10" hole
Slate	250'	260'	10	
Sand	260'	340'	80	
Slate	340'	345'	5'	Gas 960'
Coal	345'	352'	7	Hole filled with salt
Sand	352'	445'	93	Sand Water at 975'
Coal	445'	453'	8	
Sand	453'	540'	87	
Coal	540'	543'	3	
Sand	543'	600'	57	
Slate	600'	640'	40	
Sand	640'	703'	63	
Slate	703'	820'	117	47-043-30794
Sand	820'	855'	35'	
Slate	855'	900'	45'	
Salt Sand	900'	1505'	605'	
Slate	1505'	1515'	10	
Black Lime	1515'	1548'	33	
Pencil Slate	1548'	1552'	4	
White Lime	1552'	1735'	183	
Injun	1735'	1775'	40	
Berea Shale	1775'	2225'	450	
Brown Shale	2225'	2245'	20	
Berea sand	2245'	2264'	19	

OGSM CO-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30794

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

G. S. & L. Supply
NAME OF WELL OPERATOR

Box 895, Tulsa, Okla.
COMPLETE ADDRESS

WELL AND LOCATION

July 20, 19 49

Island District

Logan County

Well No. 8

M. Spurlock Farm

STATE INSPECTOR SUPERVISING PLUGGING Russ L. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Logan } ss:

Guie Lancaster and Leslie Bernard 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 G. S. & L. Supply, 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:

SAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Cement & rock	2225	2210	6-5/8"	1570	0
	Clay	2210	2125			
	Cement & rock	2125	2110			
	Cement & rock	1775	1760			
	Clay	1760	1594			
	Cement & rock	1594	1579			
	Cement & rock	1000	985			
	Clay	985	880			
	Cement & rock	880	865			
	Cement & rock	250	235			
	Clay	235	surface			
COAL SEAMS				DESCRIPTION OF MONUMENT		
(NAME)				Cement block		
(DEPTH)				G. S. & L. Supply		
(NAME)				M. Spurlock #8		
(DEPTH)				7-21-49		

and that the work of plugging and filling said well was completed on the 8th day of July, 19 49.

And further deponents saith not.

Guie Lancaster
Leslie McClure

Sworn to and subscribed before me this 12 day of July, 19 49.

J. Parks
Notary Public.

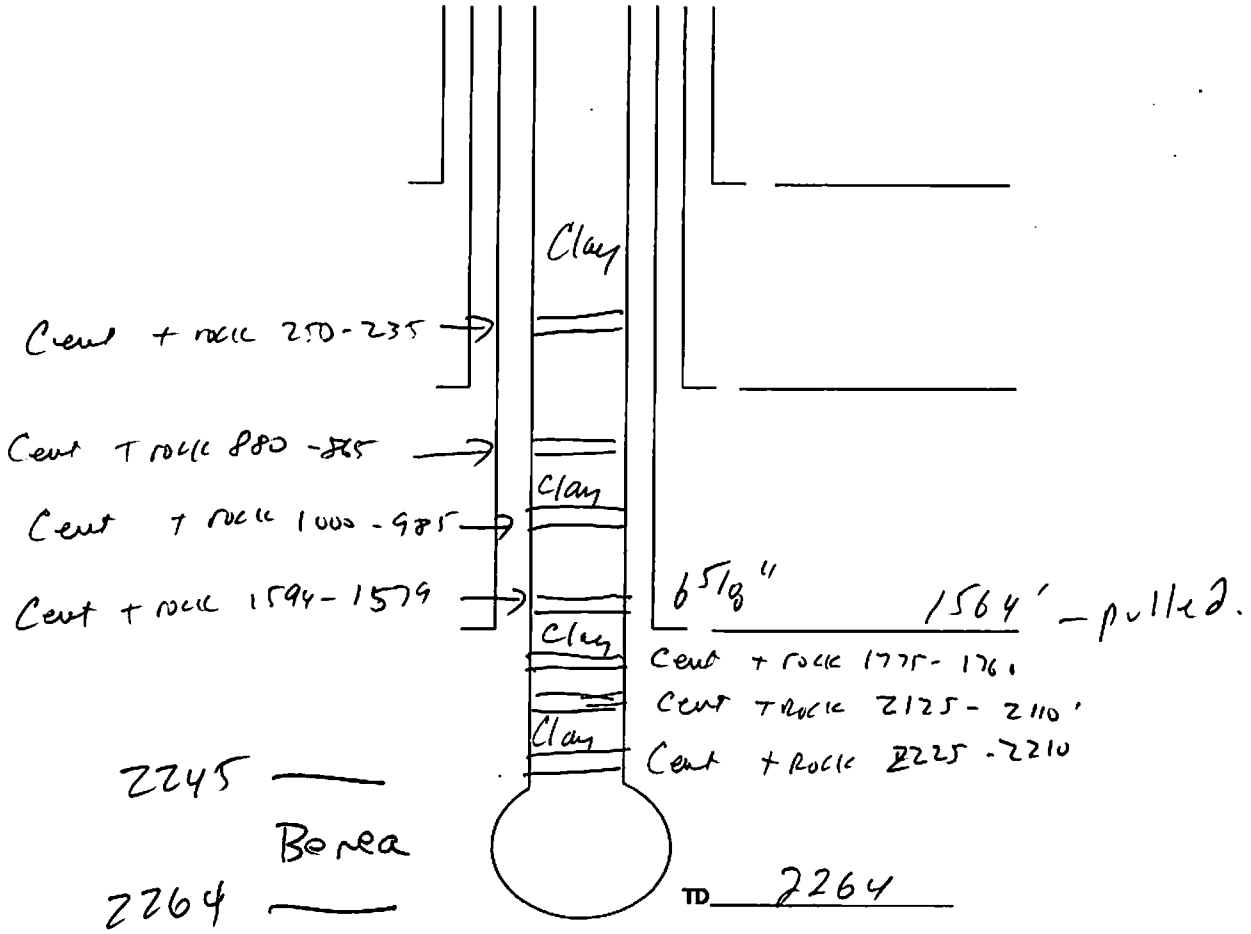
My commission expires: 10-9-57

Permit No. LOG-794

M Spurlock 8

Griffithsville Unit #2 Field

47-043- 30794



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 7/14/16

AOR - Well Review Checklist

(360)

API Number: 47- 043 - 30802 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 9

Farm Name: M Spurlock

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: 2391

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,894 Northing: 4,233,627

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.*

47-043-30802

RECORD of Well No. 9 on W. Sturlock Farm Acres

Field, District County

Rig Commenced 19 Completed 19

Drilling Commenced Aug 26 1912, Completed Oct 2 1912

Cost per foot, 1½ Contractor, Hamley & Thomas Drl Co Address, Hamley, W. Va.

Drillers' Names E. S. Brooks & P. J. Hurg

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¾ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4⅝ Inch
16				500		1680				

CONDUCTOR AND CASING LEFT IN WELL.

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¾ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4⅝ Inch
16						1680				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	
10/3/12	80 qts.				

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		16	16	Elev.
Slate	16	36	20	
Sand	36	76	40	
Slate	76	156	80	
Sand	156	215	59	
Coal	215	218	3	
Slate	218	298	80	
Sand	298	348	50	
Slate	348	460	112	
Coal	460	465	5	
Sand & Slate	465	970	505	
Slate	970	1010	40	
Light Sand	1010	1608	598	Hole full of water at 1080'
Slate	1608	1633	25	
Little Lime	1633	1665	32	
Pencil Cave	1665	1670	5	
Big Lime	1670	1855	185	
Big Injun	1855	1925	70	
Slate	1925	2005	80	
Weir	2005	2105	100	
Slate	2105	2349	244	
Brown Shale	2349	2371	22	
Berea Sand	2371	2391	20	

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30802

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. H. H. Supply Company
COMPLETE ADDRESS: c/o Hallie Pack, Hamlin, West Virgini
WELL AND LOCATION: January 2, 19 51
Duval District
Lincoln County
Well No. 9
Matthew Spurlock Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA, } ss:
County of Lincoln

Clyde Satterfield and George 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 21 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	2371'		6-5/8"	1680'	None
	Neat Cement	2371'	2361'	1"	1695'	None
	Crushed Stone	5'		2"	2385'	None
	Clay		1710'			
	Neat Cement	1710'	1600'			
	Crushed Stone	5'				
	Bridge Set At	1280'				
	Neat Cement	1280'	1270'			
	Crushed Stone	5'				
	Clay		990'			
	Neat Cement	990'	980'			
	Bridge Set At	400'				
	Neat Cement	400'	390'			
	Crushed Stone	5'				
	Clay to Surface					

COAL SEAMS
(NAME)
(NAME)
(NAME)

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

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

And further deponents saith not.

Clyde Satterfield
George Adkins

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

Notary Public.

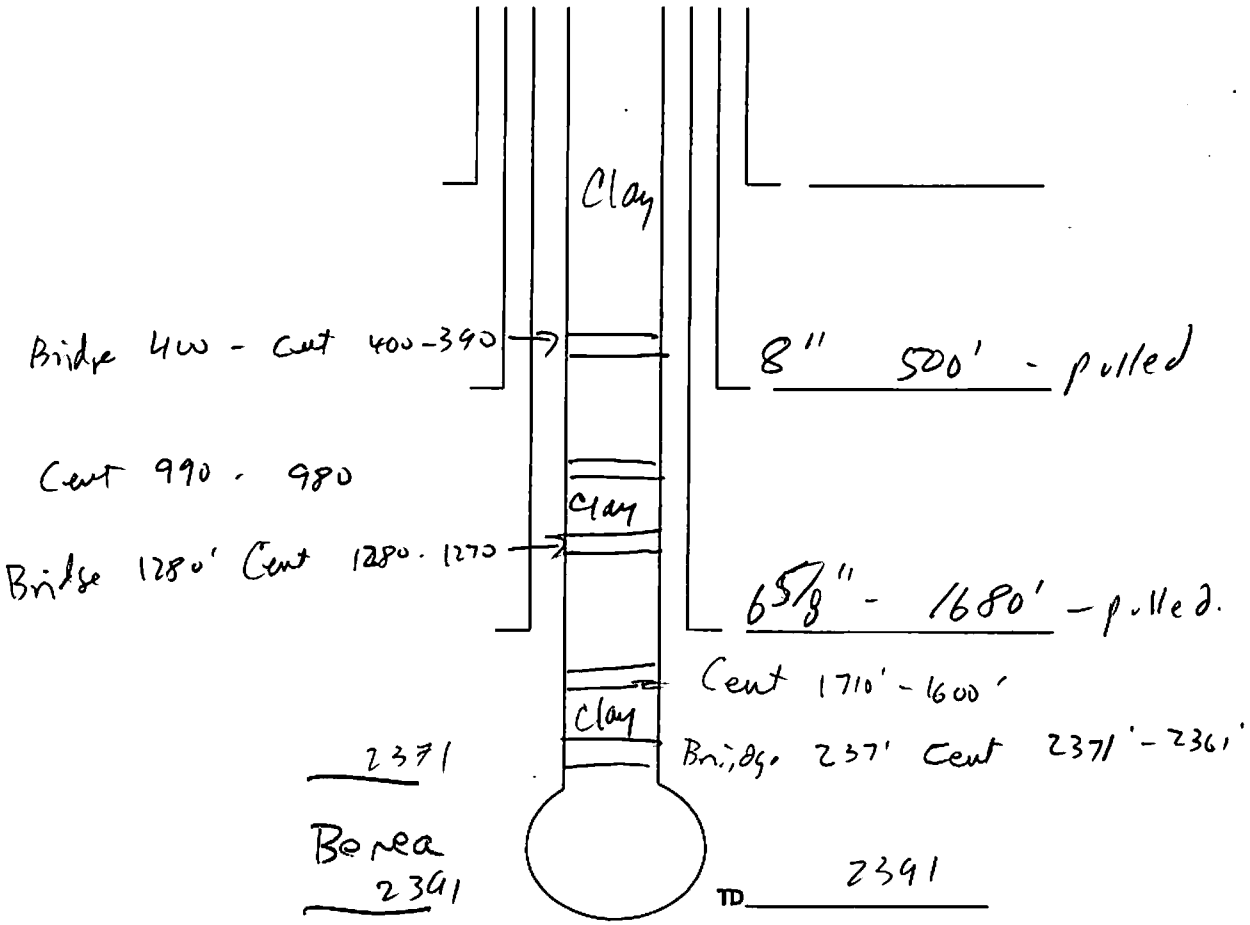
My commission expires: Sept 1, 1957

Permit No. LIN-802 Renewed

M Spurlock 9

Griffithsville Unit #2 Field

47-043- 30802



From Drillers Records/Plugging Records

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

361

AOR - Well Review Checklist

API Number: 47- 043 -02189 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 10

Farm Name: M Spurlock

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: 414,456 Northing: 4,232,379

Elevation: 283

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.*

47-043-02189

RECORD of Well No. 10 on Hill Goodrich Farm Acres

Field, District County

Rig Commenced 19, Completed 19

Drilling Commenced July 6 1912, Completed Aug 26 19

Cost per foot, 1.10 Contractor Meiler Bros. Address, Weston, W.

Drillers' Names J. W. Bennett & James Mooney

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 I
13						1728				

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 I
13						1728	-		1784	

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 Pr
8/27/12	80qts									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Alluv		10	10	El. 1012.4
Slate	10	40	30	
Red Rock	40	60	20	
Sand Shells & R Rock	60	315	255	315' 10" hole and reduce
White Slate	315	340	25	after passing through R
Sand	340	400	60	seam of bedrock sm
White slate	400	410	10	showing of water
Sand	410	520	110	
Slate	520	540	20	
Sand	540	760	220	
Black Shale	760	800	40	
White Lime	800	820	20	
Black shale	820	870	50	
Sand	870	990	120	
Black shale	990	1065	75	
Soft Sand	1065	1680	615	Hole filled full at 1140
Black Lime	1680	1710	30	work back water
Pencil shale	1710	1718	8	
White Lime	1718	1898	180	
Indian Sand	1898	1945	47	
Slate	1945	2385	440	
Big Injun Shale	2385	2403	18	
Berea Sand	2403	2423	20	Not through the sand

WWR-38

API# 47-043-2189

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: Matthew Spurlock
LOCATION: Elevation: 931'
District: Duval
Latitude:
Longitude:

Operator Well No.: No. 10
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: 7/22/09'

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 5th day of October, 2009, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2,365'	2,265'	6 5/8" - 0'	1,728'
Cement	1,885'	1,700'	5 3/16" - 1,784'	0'
Cement	1,053'	950'		
Cement	565'	450'		
Cement	115'	0		
		Peforated 6 5/8" Casing - 4 Shots; 1002' - 998',		
		502' - 498' & 100' - 97'		
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 14 th day of October, 2009'
And further deponents saith not.

Mark Miller
Roger McComas

Sworn and subscribe before me this 9th day of October, 2009

My commission expires: Oct. 4, 2016

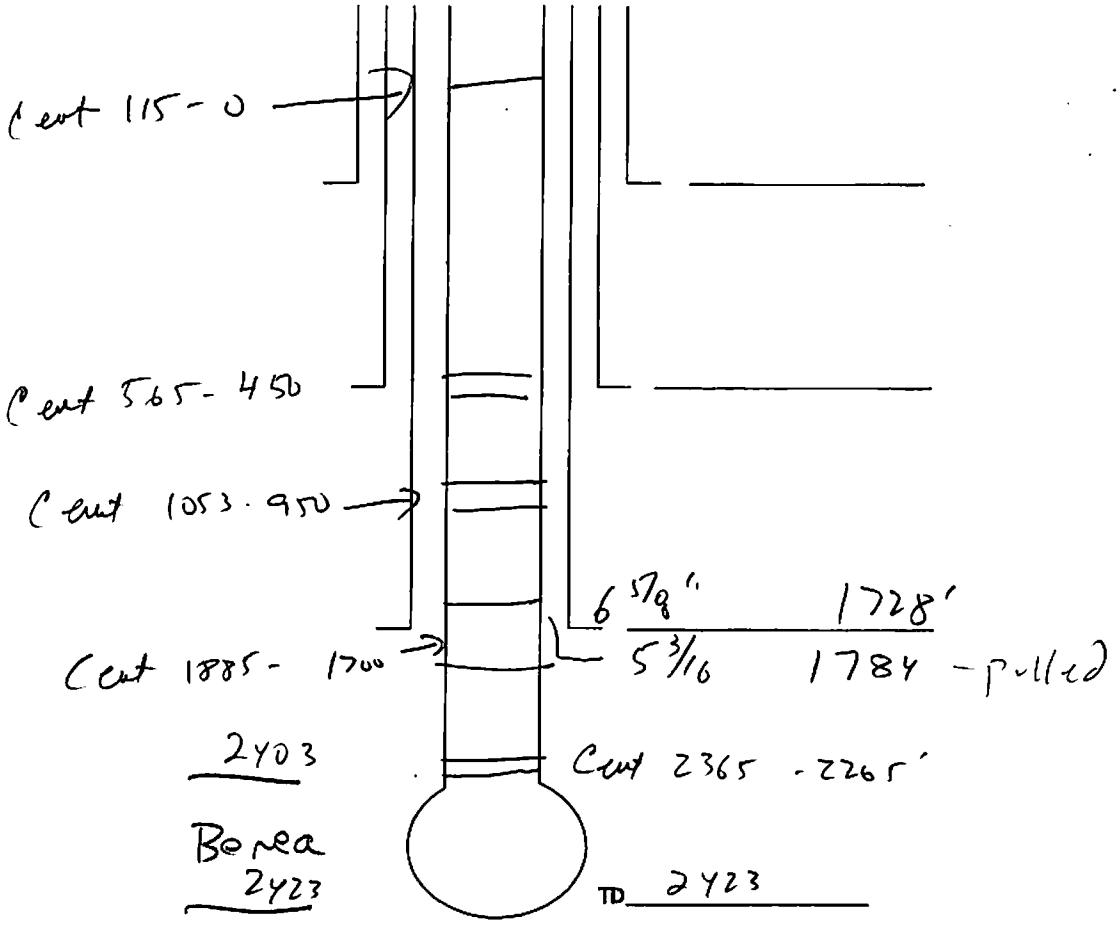
Notary Public

RECEIVED
Office of Oil & Gas
OCT 2 2009
WV Department of
Environmental Protection

M Spurlock #10

Griffithsville Unit #2 Field

47-043- 02189



From Drillers Records/Plugging Records

Unable to pull perforated

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

662

AOR - Well Review Checklist

API Number: 47- 043 - 30696 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 11

Farm Name: M Sprlock

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: 2550

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,543 Northing: 4,232,597

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.*

s of Well No. 11 on W. Spurlock Farm Acres

Field, District County

g Commenced 19 , Completed 19

Drilling Commenced May 14 1913, Completed June 20 1913

Cost per foot, 1.15 Contractor, Yawkey & Inman Drl. Co. Address, Yawkey, WV

Drillers' Names P. J. Ballington & W. C. Kellerman.

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	4⅞ Inch
14						1845				

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	4⅞ Inch
14						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
7/1/13	80 qts.									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		14	14	El = 1048 17
Slate	14	140	126	
Sand	140	165	25	
Slate	165	240	85	
Sand	240	335	95	640' 10" hole
Slate	335	360	25	
Coal	360	362	2	
Slate	362	420	58	
Sand	420	525	105	
Coal	525	527	2	
Sand	527	620	93	
Slate	620	710	90	
Sand	710	815	105	
Slate	815	850	35	Gas at 1215'
Sand	850	925	75	
Shale	925	960	35	hole full of water 1250'
Sand	960	1035	75	
Slate	1035	1100	65	
Sand	1100	1125	25	
Slate	1125	1150	25	
Salt sand	1150	1790	640	
Slate	1790	1797	7	
Little Lime	1797	1829	32	
Pencil Cave	1829	1836	7	47-043-3069 6.
Big Lime	1836	2025	189	
" Injun	2025	2105	80	
Slate	2105	2160	55	
Injun-	2160	2255	95	
Slate	2255	2501	246	
Brown Shale	2501	2527½	26½	
Berea sand	2527	2550	22½	

47-043-30696

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.

May 16, 1949

WELL AND LOCATION: Duval District

Lincoln County

Well No. 11

H. Spurlock Farm

STATE INSPECTOR SUPERVISING PLUGGING: Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Lloyd Donaldson and Bernard 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 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 9th day of May, 1949, and that the well was plugged and filled in the following manner:

COAL OR SOLID RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Cement & rock	2507	2492	6-5/8	1845	0
	Clay	2492	2400			
	Cement	2400	2390			
	Cement & rock	2105	2090			
	Clay	2090	1875			
	Cement & rock	1875	1860			
	Cement & rock	1250	1235			
	Clay	1235	1130			
	Cement	1130	1120			
	Cement & rock	250	235			
	Clay	235	Surface			

COAL SEAMS	DESCRIPTION OF MONUMENT
	Cement block
	G. S. & H. Supply
	Spurlock 11
	5-13-49

and that the work of plugging and filling said well was completed on the 13th day of May, 1949.

And further deponents saith not.

Lloyd Donaldson
Bernard McClure

Sworn to and subscribed before me this 17 day of May, 1949.

J R Dabney
Notary Public.

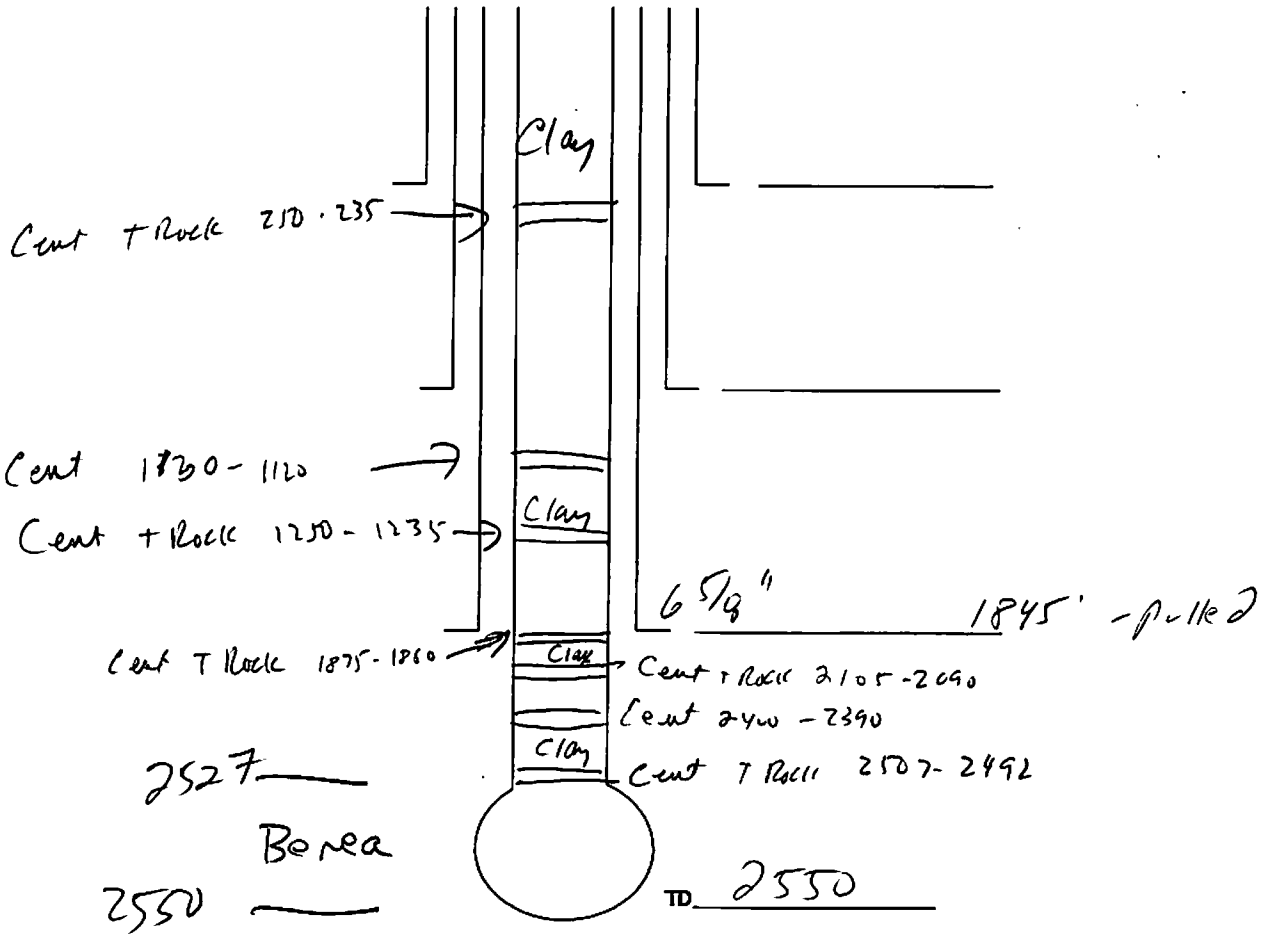
My commission expires: Oct-9-1957

Permit No. LIN-696

N Spurlock #1

Griffithsville Unit #2 Field

47-043- 30696



From Drillers Records/Plugging Records

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

363

AOR - Well Review Checklist

API Number: 47- 043 - 30732 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 12

Farm Name: M Spurlock

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: 2493

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,691 Northing: 4,232,704

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.*

of Well No. 12 on W. Sprinkle Farm Acres

Field, District County

Rig Commenced 19 , Completed 19

Drilling Commenced July 8 1913, Completed Aug 29 1913

Cost per foot, 1.15 Contractor, Yawkey & Furman Oil Co Address, Yawkey, W. Va.

Drillers' Names W E Stedman P. J. Langston.

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						1813				

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						1813				

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
8/30/13	80 qts.									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		16	16	El= 993.93
Slate	16	120	104	
Red Rock & Slate	120	315	195	
Sand	315	400	85	
Coal	400	402	2	
Slate	402	420	18	
Sand	420	480	60	47-043-30732
Coal	480	482	2	
Sandy	482	570	88	
Slate	570	665	95	
Sand	665	730	65	
Slate	730	835	105	570' 10" hole
Sand	835	945	110	
Slate	945	1050	105	
Lime	1050	1080	30	
Slate	1080	1130	50	
Salt Sand	1130	1680	550	
Slate	1680	1705	25	
Maxton Sand	1705	1735	30	
Little Lime	1735	1770	35	
Pencil Cave	1770	1772	2	Hole full of water 1210'
Big Lime	1772	1965	193	
Big Injun	1965	2005	40	
Slate	2005	2065	60	
Squaw	2065	2160	95	
Slate	2160	2455	295	
Brown Shale	2455	2473	18	
Berea Sand	2473	2493	20	

47-043 - 30732a

043 - 30732

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 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

LESSEE OR PROPERTY OWNER

ADDRESS

NAME OF WELL OPERATOR: G.S.H. SUPPLY CO.

COMPLETE ADDRESS: Box 895, Tulsa, Okla.

WELL AND LOCATION

May 29, 1949

Duval District

Lincoln County

Well No. 18

M. Spurlock Farm

STATE INSPECTOR SUPERVISING PLUGGING: Dana E. Lawson

AFFIDAVIT

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

Bernard McClure 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 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 17th day of May, 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	1610	1585	5-3/16"	1850	0
	Cement & rock	1200	1185	6-5/8"	1440	373
	Clay	1185	1110	2"	1610	857
	Cement & rock	1110	1095			
	Cement & rock	250	235			
	Clay	235	Surface			

COAL BEARING	DESCRIPTION OF MONUMENT
(NAME)	Cement block
(NAME)	G. S. & H.
(NAME)	M. Spurlock #18
(NAME)	5-27-49

and that the work of plugging and filling said well was completed on the 27th day of May, 1949.

And further deponents saith not.

Bernard McClure

Sworn to and subscribed before me this 31 day of May, 1949.

Notary Public.

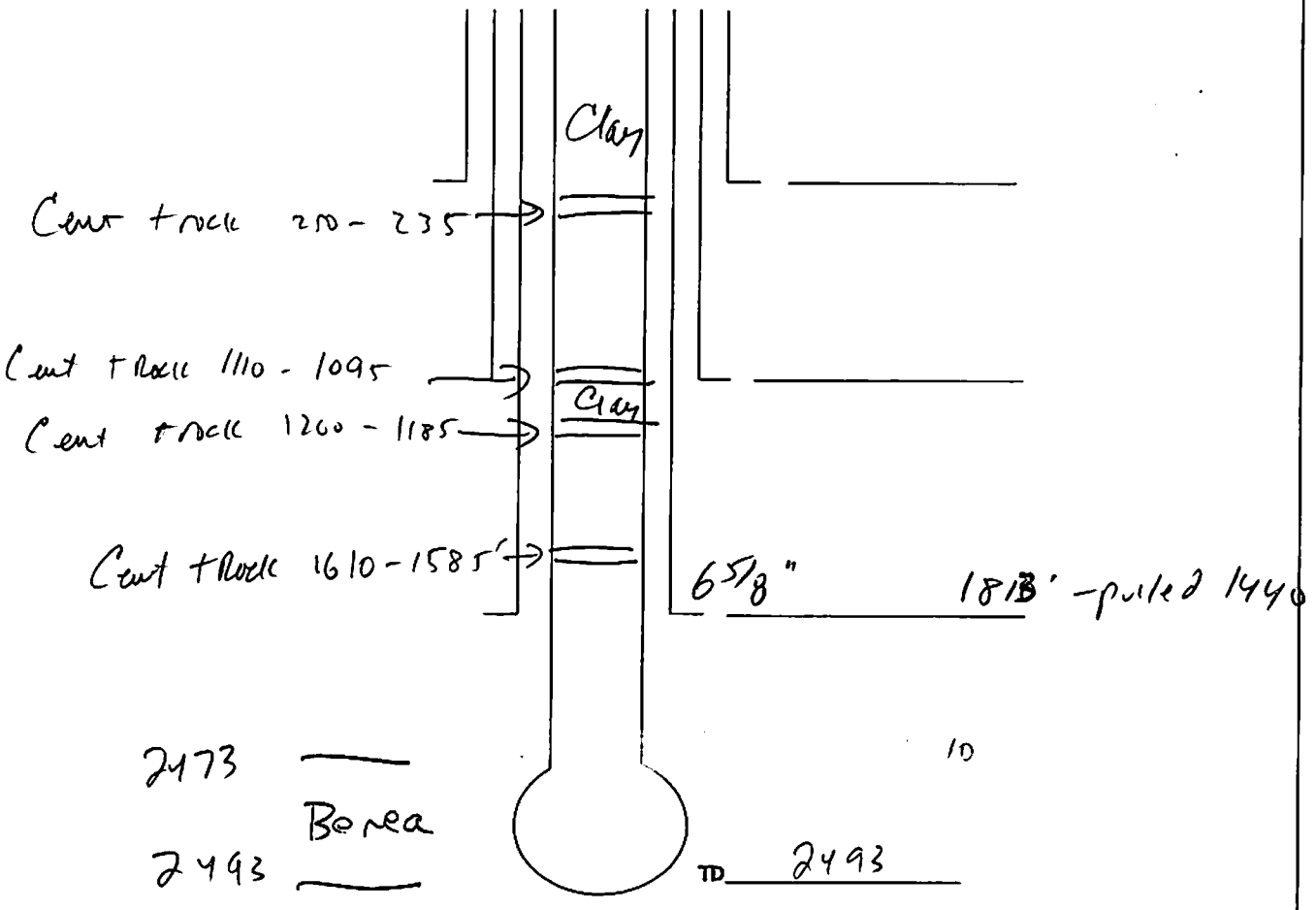
My commission expires: Oct. 7, 1957

Permit No. LIN-732

M Spurlock 12

Griffithsville Unit #2 Field

47-043- 30732



From Drillers Records/Plugging Records

pulled 1850'

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

364

AOR - Well Review Checklist

API Number: 47- 043 - 30395 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 13

Farm Name: M Spurlock

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: 2348

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,867 Northing: 4,232,775

Elevation: 257

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.*

47-043-30395

RECORD of Well No. 13 on W. L. Gainer Farm Acres

Field, District County

Commenced 19 , Completed 19

Drilling Commenced Sept 6 1913 Completed Oct 20 1913

Cost per foot, 1.15 Contractor, Hughey & Hinman Oil Co Address, Glenville, W. Va.

Drillers' Names P. J. Ledig Bros & Thos Carrithers

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						1641				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch (80 Tbl. pulled when abandoned)	6¼ Inch	5⅝ Inch	5 3-16 Inch	4⅜ Inch
16						1641				

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
10/21/13	80 qts									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		16	16	El - 8.4
Sd & Rock	16	30	14	
Sand	30	115	85	
Coal	115	118	3	
Slate	118	180	62	
Coal	180	184	4	
Slate	184	240	56	
Sand	240	280	40	
Coal	280	283	3	
Slate	283	365	82	
Sand	365	495	130	348' 10" hole
Slate	495	560	65	
Sand	560	660	100	
Slate	660	735	75	
Sand	735	825	90	
Slate	825	950	125	Hole full of water at 1080'
1st Salt Sand	950	1395	445	
Slate	1395	1630	35	
Coal Cave	1630	1635	5	
Big Lime	1635	1815	180	
Keener Sand	1815	1860	45	
Slate	1860	1925	65	
Injun Sand	1925	2030	105	
Slate	2030	2308	278	
Brown Shale	2308	2328	20	
Berea Sand	2328	2348	20	

47-043-30395

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 THIS 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.

Bernie Brumfield — SOUTH PENN NATURAL GAS COMPANY
(If any) COAL OPERATOR OR OWNER — NAME OF WELL OPERATOR
Yawkey, W. Va. — Union Drilling Co., Parkersburg, W. Va.
ADDRESS — COMPLETE ADDRESS

COAL OPERATOR OR OWNER — December 13, 1943
ADDRESS — WELL AND LOCATION

Javal — District
Bernie Brumfield — Lincoln — County
LEASE OR PROPERTY OWNED
Yawkey, W. Va. — Well No. 13
ADDRESS
Matthew Spurlock — Farm

STATE INSPECTOR SUPERVISING PLUGGING Colvin Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Arlie Satterfield and Wallace Hart

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 21st. day of September, 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	2348	2308			
	Cement	2308	2298	7"	1561	80
Big Injun	Set Bridge		1890			
Big Lime	Clay	1890	1651			
	Cement	1651	1641			
Little Lime	Clay	1641	1575			
	Cement	1575	1565			
Salt Sand	Clay	1565	930			
	Cement	930	9 20			
	Bridge		323			
	Clay	323	313			
	Clay	250	214			
	Clay	160	148			
	Clay	95	to Surface			
COAL SEAMS				DESCRIPTION OF MONUMENT		
Third Vein	Cement	313	280	6-5/8" Casing extending 3' above		
Second "	Cement	214	160	surface, set in concrete and with the		
First "	Cement	148	95	inscription (SPNGCo--Matthew Spurlock		
				#13 10-8-43).		

and that the work of plugging and filling said well was completed on the 8th day of October, 1943.

And further deponents saith not.

Arlie Satterfield
Wallace Hart

Sworn to and subscribed before me this 15th day of December, 1943.

W. L. Smith
Notary Public.

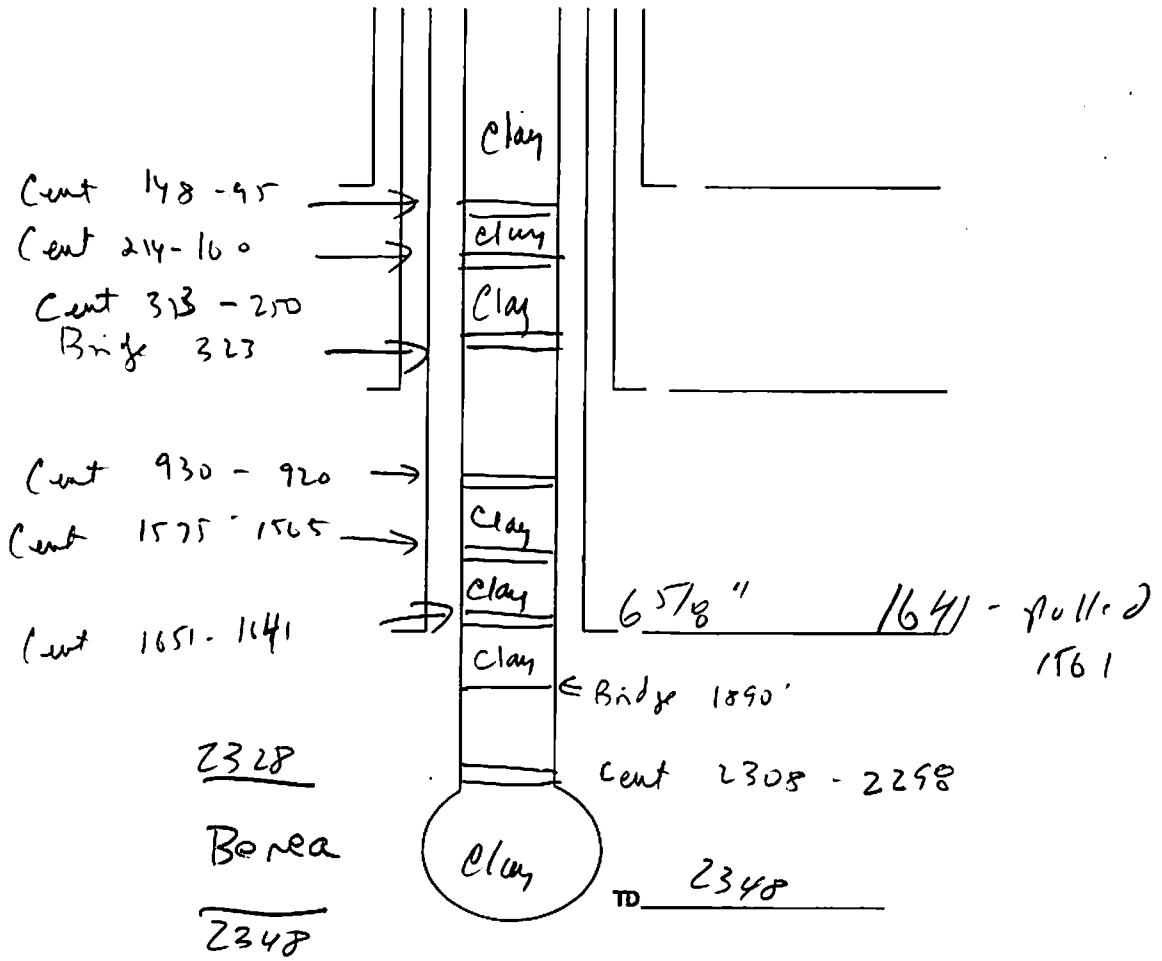
My commission expires December 1-1947

Permit No. LN-395

N Spurlock 13

Griffithsville Unit #2 Field

47-043-30395



From Drillers Records/Plugging Records

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

365

AOR - Well Review Checklist

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

Operator Name: H 6 Energy

Operator's Well #: 14

Farm Name: M Spurlock

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: 414,350 Northing: 4,233,290

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:

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 W. Yantock Farm Acres

Field, District County

Rig Commenced 19 , Completed 19

Drilling Commenced Oct 29 1913, Completed Dec 18 1913

Cost per foot, 1.15 Contractor Yantis & Jamieson Bro. Address Yantis, Ky.

Drillers' Names Roscoe Harris & Thos. Scantlebury

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	4½ Inch
15				340		1730				

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	4½ Inch
15				40		1730				

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
Torp	80 qt.									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		15	15	Run 4 Shot down for Water Cave.
Slate	15	85	75	" 5 " " " " 4 "
Red Rock	85	155	70	" 6 " " " " 6 "
Sand	155	215	60	" 11 " " " " 3 "
Slate	215	485	270	
Coal	485	489	4	
Sand	489	535	46	El= 941.48- Derrick Floor
Coal	535	538	3	927.48- [illegible]
Slate	538	595	57	
Sand	595	725	130	
Slate	725	840	115	
Sand	840	915	75	
Slate	915	960	45	Hole full of Water at 1125'
Sand	960	1010	50	
Slate	1010	1050	40	
Red Sand	1050	1685	635	
Black Lime	1685	1710	25	
Slate	1710	1713	3	
Black Lime	1713	1719	6	
Pencil Cave	1719	1722	3	
Big Lime	1722	1915	193	
Big Injun	1915	1970	55	
Slate	1970	2053	83	
Sunx Shells	2053	2180	125	
Slate	2180	2395	215	
Keener Shale	2395	2413	18	
Berea Sand	2413	2433	20	

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

366

AOR - Well Review Checklist

API Number: 47- 043 - 30891 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 15

Farm Name: M Spurlock

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: 2434

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,491 Northing: 4,233,438

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.*

Dec 18 1916

RD of Well No. 15 on M. Shurlock Farm Acres

Field, District County

Rig Commenced 19, Completed 19

Drilling Commenced June 6 1916, Completed Feb 13 1916

Cost per foot, 1.15 Contractor Hawley & Simmons Drilling Address, Glenville, W. Va.

Drillers' Names Boyce Evans & F. B. Bassett

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
13						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
13						1755'				

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
7/21/16	80 qts									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		13	13	El = 946.38
Sand	13	20	7	
Slate	20	60	40	
Red Rock	60	90	30	
Sand	90	150	60	
Slate	150	200	50	610' of 10" hole
Sand	200	290	90	
Coal	290	293	3	
Slate	293	350	57	
Sand	350	450	100	
Coal	450	457	7	Hole full of salt water
Sand	457	600	143	at 1175'
Coal	600	605	5	Gas in Big Lime at 1912'
Slate	605	650	45	
Sand	650	800	150	
Slate	800	850	50	
Sand	850	1050	200	
Slate	1050	1080	30	
Salt Sand	1080	1677	597	
Maxton Sand	1677	1702	25	
Little Lime	1702	1737	35	
Pencil Cave	1737	1742	5	
Big Lime	1742	1932	190	
" Injun	1932	1987	55	
Slate	1987	2087	100	
Lime Shells	2087	2177	90	
Slate	2177	2394	217	
Brown Slate	2394	2414	20	
Berea Sand	2414	2434	20	

47-043-30891

47-043-3089

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: U. S. No. Supply Company

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

September 19, 19 50

WELL AND LOCATION

Laval District

Lincoln County

Well No. 15

Matthew Spurlock Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lemon

AFFIDAVIT

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

Kelly Leland and D. 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 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 September, 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
Mat. Bridge Ls.		530'		6 5/8	530'	1225'
	Neat Cement	530'	520'			
	Crushed Stone	5'				
	Clay of Surface					

COAL DEPTHS

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

and that the work of plugging and filling said well was completed on the 18 day of September, 19 50.

And further deponents saith not.

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

Notary Public.

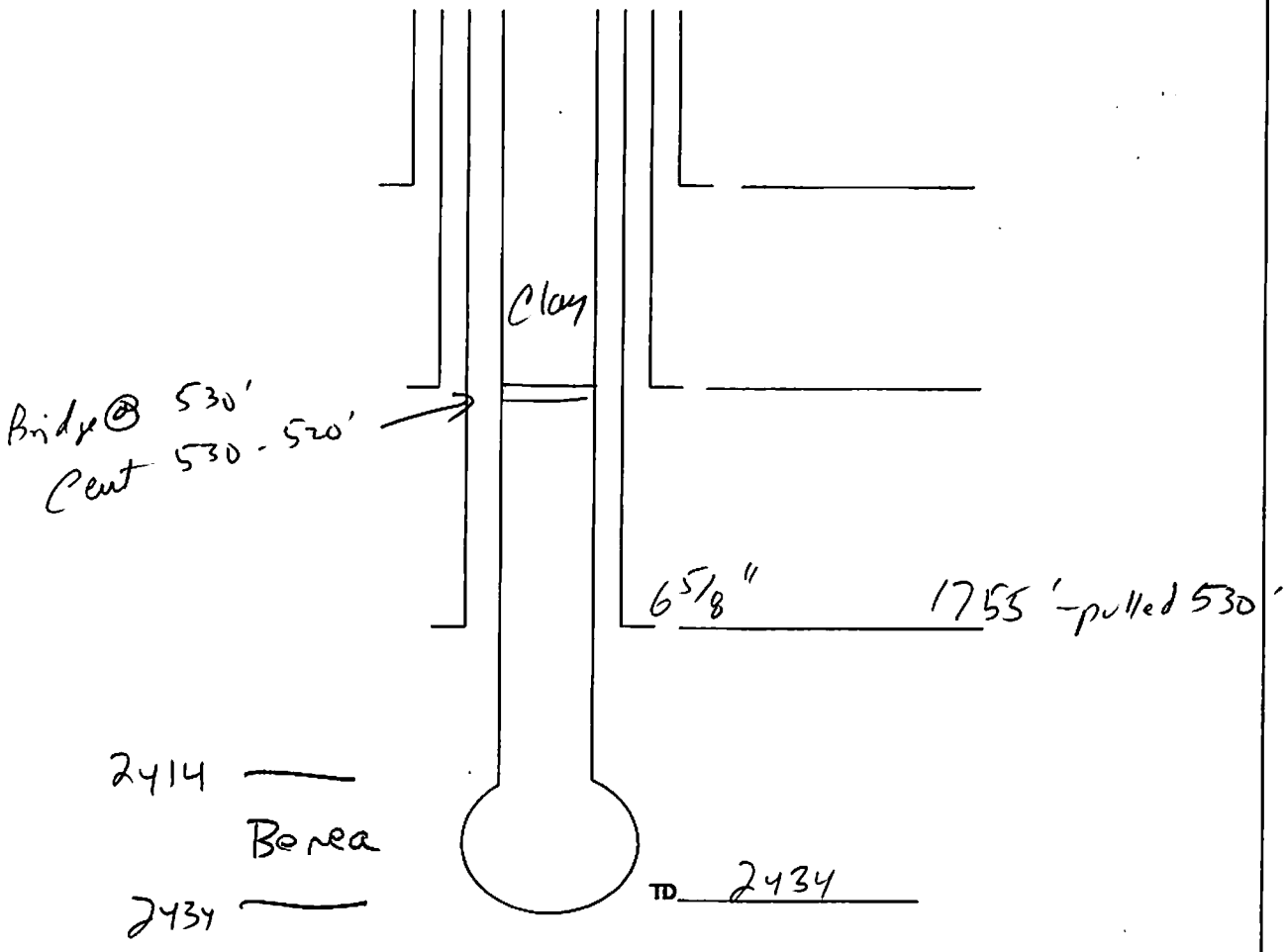
My commission expires: August 1, 1957

Permit No. LIN-672

M Spurlock 15

Griffithsville Unit #2 Field

47-043- 30891



From Drillers Records/Plugging Records

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

367

AOR - Well Review Checklist

API Number: 47- 043 - 30530 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 16
Farm Name: M Spurlock
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: 2534
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 414,669 Northing: 4233,564
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.*

RD of Well No. 16 on Mills Gunnoe. Farm Acres

Field, District County

Rig Commenced 19 , Completed 19

Drilling Commenced Apr 22 1916, Completed June 5 1916

Cost per foot, 1.15 Contractor Hawley & Inman Oil Address Hawley, W. Va.

Drillers' Names F. B. Bassett & Roscoe Harris

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¾ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4⅞ Inch
15				630		1850				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¾ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16 Inch	4⅞ Inch
15						1850				

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 Press.
6/7/16	80qts									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		15	15	LI = 1043.81
Sand	15	35	20	
Slate	35	50	15	
Red Rock	50	80	30	
Sand	80	110	30	
Red Rock	110	140	30	
Sand	140	300	160	
Slate	300	400	100	
Coal	400	405	5	
Slate	405	450	45	Gas in Salt Sand at 1200'
Sand	450	500	50	
Slate	500	540	40	
Sand	540	630	90	
Coal	630	635	5	Hole full water at 1360'
Slate & Sand	635	1160	525	
Slate	1160	1190	30	
Salt Sand	1140	1760	570	
Slate	1760	1765	5	Gas in Big Lime at 2010'
Maxton Sand	1765	1795	30	
Slate	1795	1800	5	
Little Lime	1800	1835	35	
Pencil Cave	1835	1840	5	
Big Lime	1840	2030	190	
" Injun	2030	2090	60	
Slate	2090	2190	100	
Lime Shells	2190	2290	100	
Slate & Shells	2290	2494	204	
Brown Slate	2494	2514	20	
Berea Sand	2514	2534	20	

47-043-30530

FORM GG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30530

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.
LESSEE OR PROPERTY OWNER
Parkersburg, W. Va.
ADDRESS

G. R. DeLay
NAME OF WELL OPERATOR
P. O. Box 49 Hamlin, W. Va.
COMPLETE ADDRESS
February 2, 19 49
WELL AND LOCATION
Duval District
Lincoln County
Well No. 16
Nathan Spurlock Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

G. R. DeLay and Guadalupe Jaens 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 2 day of January, 19 49, and that the well was plugged and filled in the following manner:

CASING AND TUBING RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATIONS	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Permanent Bridge	2492	2494			
	Cement	2494	2484			
	Stone	2484	2479			
	Clay	2479	1925			
	Cement	1925	1915			
	Stone	1915	1910			
	Pulled casing loose and cut at hole was filled				6-5/8	1860
					6-3/16	1539
	Clay	1910	1800			
	Permanent Bridge	1306	1300			
	Cement	1300	1290			
	Stone	1290	1286			
	Clay	1286	1170			
	Cement	1170	1160			
	Permanent Bridge	366	360			
	Cement	360	340			
COAL SEAMS	Stone	340	326	DESCRIPTION OF MONUMENT		
	Filled with clay to surface			18" X 18" X 30" Concrete Block		
				January 14, 1949		

and that the work of plugging and filling said well was completed on the 14 day of January, 19 49.

And further deponents saith not.

G. R. DeLay
Guadalupe Jaens

Sworn to and subscribed before me this 15 day of January, 19 49.

J. E. Cartwright
Notary Public.

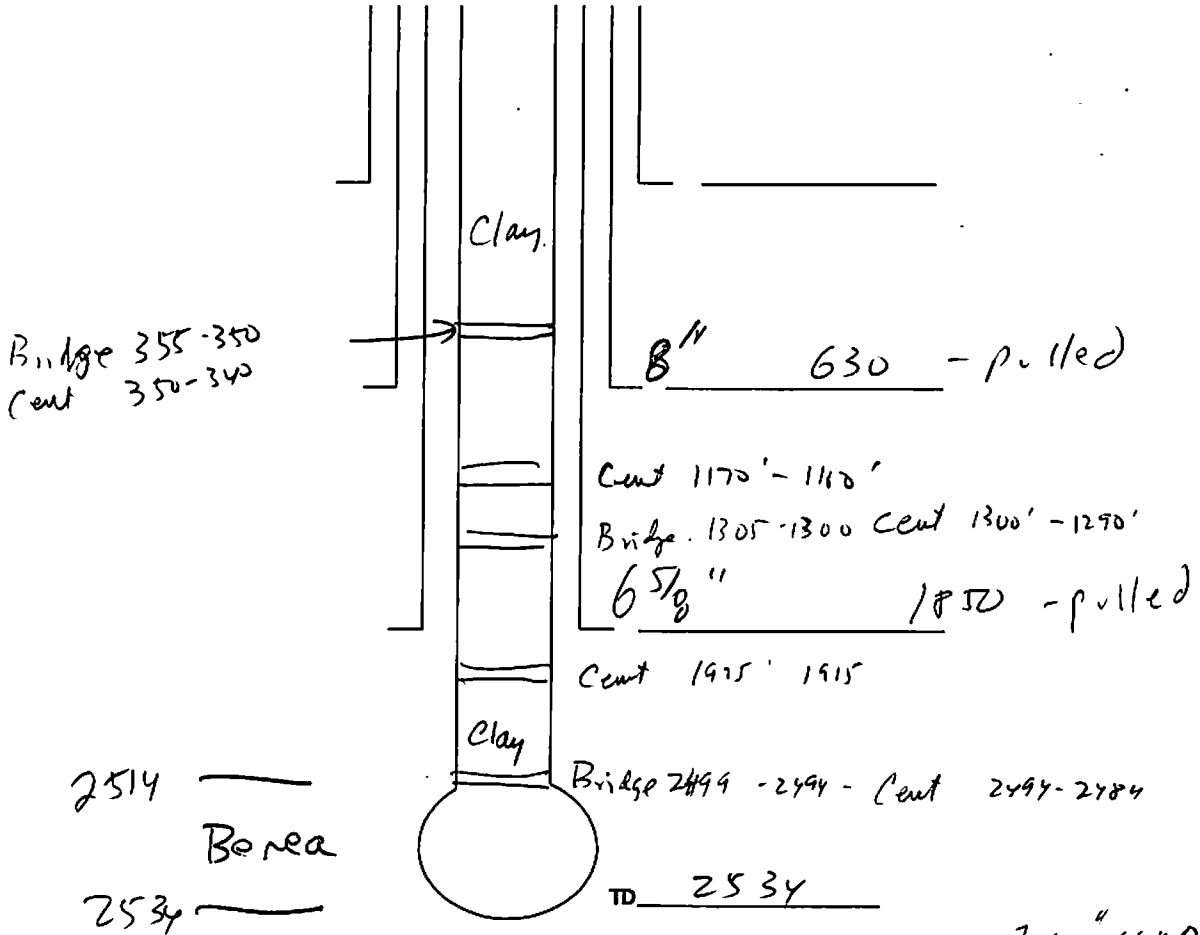
My commission expires: July 2 1955

Permit No. [illegible] 530

M Sproles 16

Griffithsville Unit #2 Field

47-043- 30530



From Drillers Records/Plugging Records

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

(368)

AOR - Well Review Checklist

API Number: 47- 043 - 30889 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 12

Farm Name: M Spurlock

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: 2531

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,720 Northing: 4,233,783

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:

Reviewer Name: Signature:

Date Reviewed:

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

47.043-30089

Well No. 17 M. Spurlock Farm Acres
Lease No. Mussel District Lincoln County Wyo State
H. Aley Contractor SOUTH PENN DRILLING TOOLS AC. Contractor
Drilling Commenced Oct 10 1917 Drilling Completed Nov 23 1917
N. S. E. W.

ROCK FORMATION	TOP	BOTTOM	STEEL LINE MEASUREMENT	REMARKS
Conductor		16		
Red Rock	16	140		
Sand	140	200		
Slate	200	390		
Coal	390	395		
Slate	395	440		
Sand	440	600		
Slate	600	630		
Coal	630	635		
Slate	635	690	649	
Sand	690	800		
Slate and Shells	800	875		
Sand	875	1000		
Slate	1000	1110		
Sand	1110	1135		
Slate	1135	1200		
Salt Sand	1200	1240		
Water hole free	1240			
Slate & Shells	1740	1760		
Maxon Sand	1760	1775		
Slate	1775	1792		
Little Lime	1792	1825		

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

47-043-30889

Well No. 17 M. Spurlock 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
Pencil Cave	1825	1830		
Big Lime	1830	2028	1839	
" Injun Sand	2028	2055		
Slate & Shells	2085	2475		
Brown shale	2475	2509		
Berea Sand	2509	2531	2509	
Gas	2511	2531	2531	
Total depth		2531	2531	

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT

	PUT IN WELL		PULLED OUT		LEFT IN WELL	
SIZE	FEET	IN.	FEET	IN.	FEET	IN.
8¼	660		306			
6⅝	1854					

Shot Date 11-24-17 10-13-26
Amount 80 Qts 40 qts.
Sand Berea
Result
Packer Size
Depth Set

Production First 24 Hours 8 Bbls. Gas Test

Approved by A. H. Aushutz Superintendent

FORM GG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30889

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: G. S. H. Supply Company
NAME OF COAL OPERATOR
ADDRESS: c/o Hallie Pack, Hamlin, West Virginia
COMPLETE ADDRESS
COAL OPERATOR OR OWNER:
ADDRESS:
LESSEE OR PROPERTY OWNER:
ADDRESS:

WELL AND LOCATION
September 19 19 50
Duval District
Lincoln County
Well No. 17
Matthew Spurlock Farm

STATE INSPECTOR SUPERVISING PLUGGING H. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Hoo Kelly Robinson and M. C. Davis 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 September, 19 50, and that the well was plugged and filled in the following manner:

CASING OR TUBING RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CASING PULLED	CASING LEFT IN
		2511'		Methodology Department		
Bridge Set At				6 5/8"	1814'	10'
	Neat Cement	2511'	2501'			
	Crushed Stone	5'				
	Red Clay		1884'			
	Cement	1884'	1874'			
	Crushed Stone	5'				
	Bridge at	1380'				
	Neat Cement	1380'	1370'			
	Crushed Stone	5'				
	Red Clay		1160'			
	Neat Cement	1160'	1170'			
	Crushed Stone	5'				
	Bridge at	750'				
	Neat Cement	750'	740'			
	Crushed Stone	5'				
	Red Clay		665'			
	Neat Cement	665'	610'			
	Red Clay	610'	425'			
	Neat Cement	370'	370'			
	Clay to Surface					

COAL SEAMS
DESCRIPTION OF MONUMENT
Erected Marker According to Law, 1931 Regulations

and that the work of plugging and filling said well was completed on the 11 day of September, 19 50.

And further deponents saith not.

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

Notary Public.

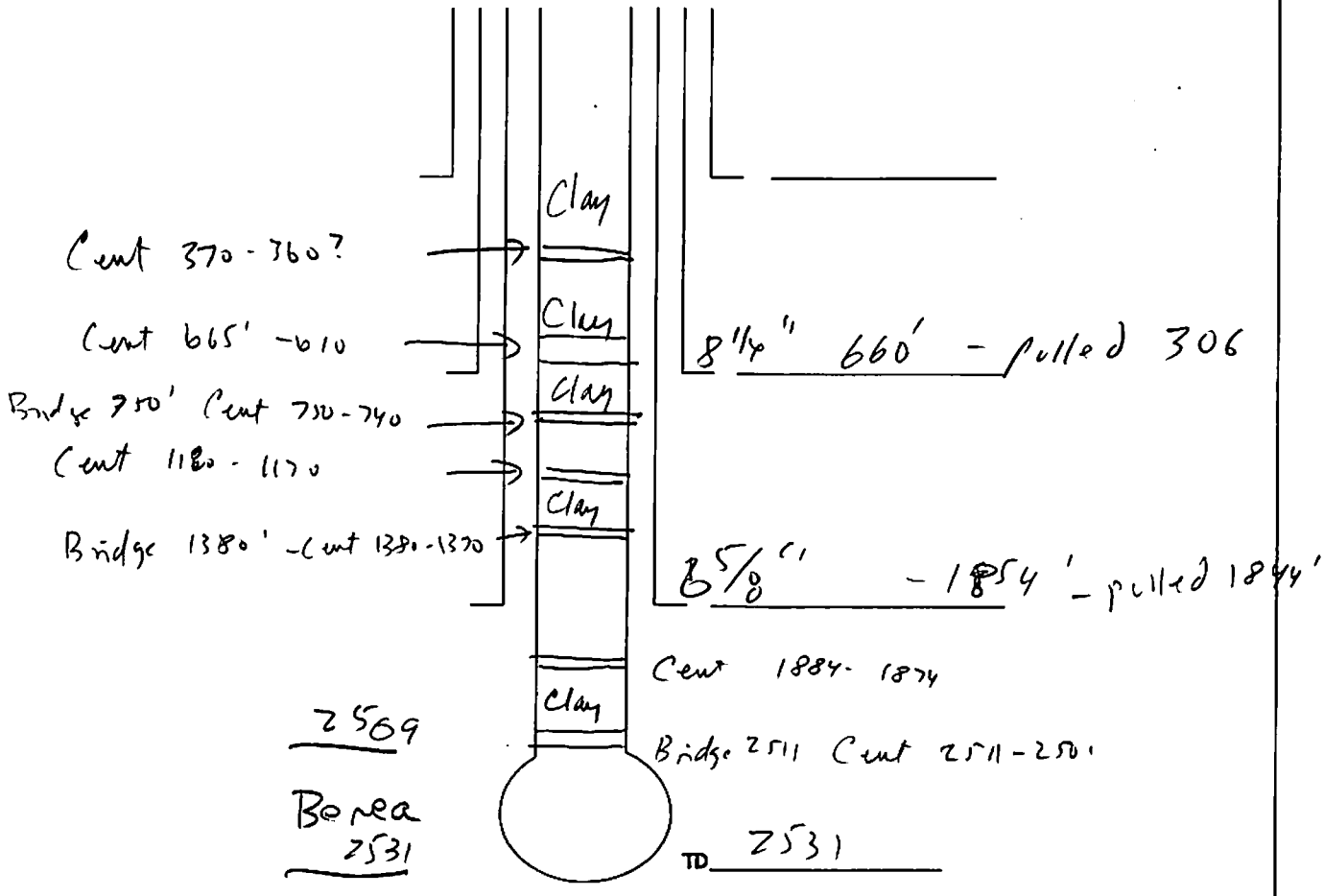
My commission expires: August 1, 1957

Permit No. LIN-889

M Spurlock 17

Griffithsville Unit #2 Field

47-043- 30885



From Drillers Records/Plugging Records

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

369

AOR - Well Review Checklist

API Number: 47- 043 - 30981 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 18
Farm Name: M Sprolocle
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: 2771
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 414,563 Northing: 4,233,222
Elevation: 235
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.*

47-043-30981

RECORD of Well No. 18 on W. J. Sturlock Farm Acres

Field, District County

Commenced 19 , Completed 19

Drilling Commenced June 28 1916, Completed Aug 1 1916

Cost per foot, 1.15 Contractor, Bane Drilling Co. Address, Hawley W Va.

Drillers' Names F. W. English & A. P. Brookover

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¾ Inch	6⅝ Inch	6¼ Inch	5⅝ Inch	5 3-16-Inch	4⅜ Inch
12				390		1567				

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
12						1567				

OIL WELL / GAS WELL

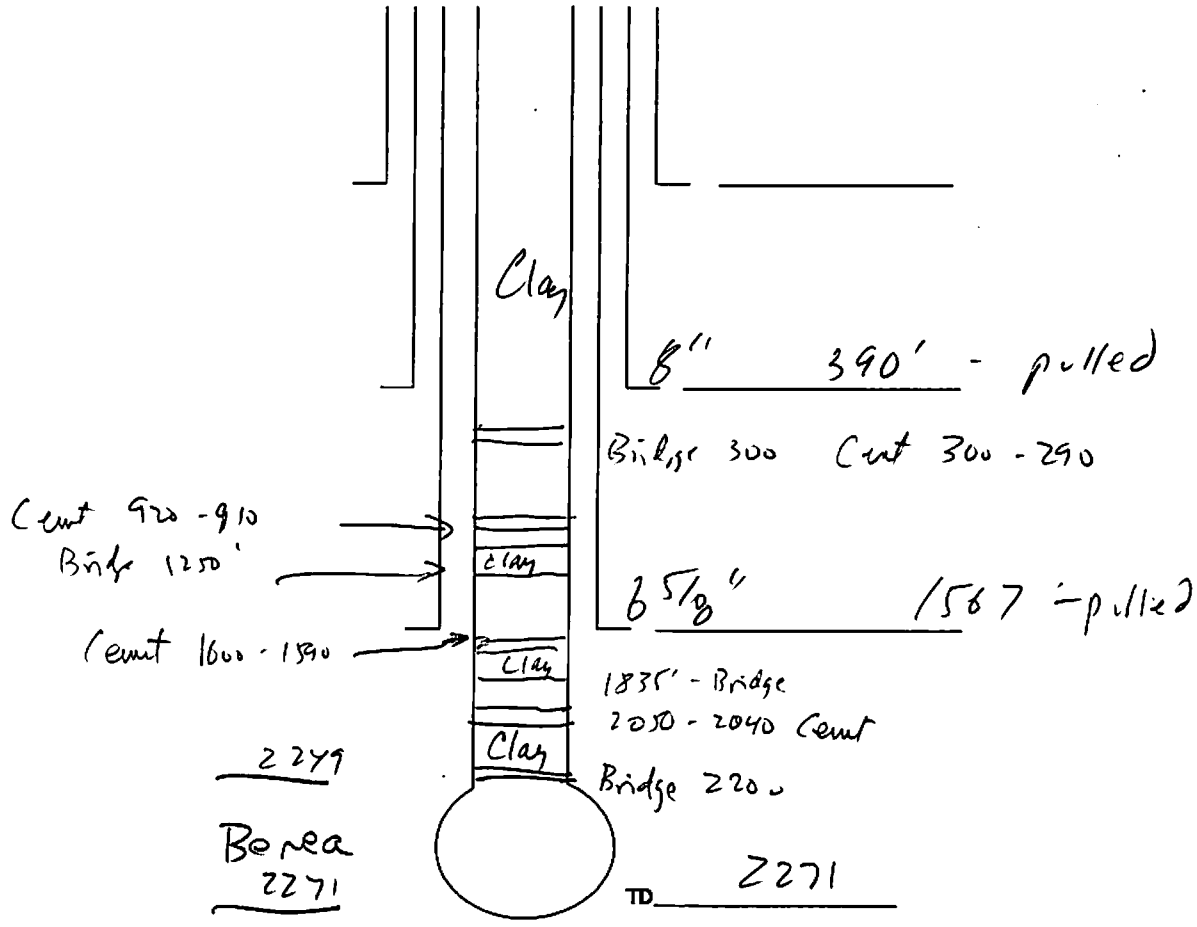
When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set	Tubing	1st Minute Pressure	Rock Pressure
8/16	80 qts.									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		50	50	El = 77
Slate & Red Rock	50	100	50	
Sand	100	140	40	
Lime	140	200	60	
Sand	200	380	180	Hole full salt Water at 965'
Coal	380	383	3	
Slate	383	390	7	
Sand	390	500	110	
Slate	500	530	30	
Sand	530	610	80	
Slate & Shells	610	800	190	
Sand	800	850	50	
Slate & Shells	850	940	90	
Salt Sand	940	1525	585	
Black Lime	1525	1533	30	
Pencil Cave	1533	1562	7	
Big Lime	1562	1750	188	
Keener Sand	1750	1805	55	
Slate	1805	1930	125	
Shells	1930	2030	100	
Lime	2030	2229	199	
Brown Shale	2229	2249	20	
Berea Grit	2249	2271	22	

M Spurlock Jr

Griffithsville Unit #2 Field

47-043- 30981



From Drillers Records/Plugging Records

47-043-30981

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 HIS RESPECTIVE ADDRESSES.

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

NAME OF WELL OPERATOR: Bradford Supply Company
COMPLETE ADDRESS: Bradford, Pennsylvania
WELL AND LOCATION: March 8, 19 51
District: Duval
County: Lincoln
Well No. 18
Farm: L. Spurlock

STATE INSPECTOR SUPERVISING PLUGGING: D. R. Lemon

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Lincoln } ss:

Clyde Satterfield and John W. 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 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 January, 19 51, and that the well was plugged and filled in the following manner:

COAL OR ROCK RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Bridge Set At	2220'		6-5/8"	1605'	None
	Clay		2050'	2"	2310'	None
	Cement	2050'	2040'	1"	1630'	None
	Crushed Stone	5'				
	Bridge Set At	1635'				
	Clay		1600'			
	Cement	1600'	1590'			
	Crushed Stone	5'				
	Bridge Set At	1250'				
	Clay		920'			
	Cement	920'	910'			
	Crushed Stone	5'				
	Bridge Set At	300'				
	Neat Cement	300'	290'			
	Clay to Surface					
COAL SEAMS				DESCRIPTION OF MONUMENT		
(depth)				Erected Marker According		
(depth)				Rule 18, 1931 Regulations		
(depth)						
(depth)						

and that the work of plugging and filling said well was completed on the 29 day of January, 19 51.

And further deponents saith not.

Clyde Satterfield
John W. Cooper

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

Jerrie C. Ashworth
Notary Public.

Permit No. LIN-981

My commission expires: ... By Commission Expires March 17, 1953

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

370

AOR - Well Review Checklist

API Number: 47- 043 - 30765 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 19

Farm Name: M Spurlock

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: 414,683 Northing: 4,233,074

Elevation: 255

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.*

47-043-30765

RECORD of Well No. 19 on W. Spurlock Farm Acres

Field, District County

Rig Commenced 19 , Completed 19

Drilling Commenced March 31 1914 Completed May 4 1914

Cost per foot, 1 1/2 Contractor, Boone Drilling Co. Address, Hinckley, Ohio

Drillers' Names J. B. Walsh & H. J. Rogers

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
12						1648				

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
12						1648				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
5/5/14	80qts			

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		12	12	Reduced to 8" hole at 410'
Slate & Red Rock	12	330	318	
Coal	330	333	3	Hole full salt water 1040
Sand	333	380	47	
Coal	380	382	2	
Slate	382	500	118	
Sand	500	720	220	
Slate	720	990	270	
Salt Sand	990	1600	610	
Black Lime	1600	1631	31	
Pencil Cave	1631	1638	7	
Big Lime	1638	1830	192	
Big Injun	1830	1880	50	
Slate	1880	1930	50	
Shells	1930	2070	140	
Slate	2070	2270	200	
Shells	2270	2280	10	Show of Oil
Slate	2280	2297	17	
Brown Shale	2297	2316	19	
Berea Grit	2316	2336	20	

47-043-30765

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 OWNED

ADDRESS

NAME OF WELL OPERATOR: G.S.H. SUPPLY CO.

COMPLETE ADDRESS: Box 895, Tulsa, Okla.

WELL AND LOCATION

June 17, 19 49

Duval District

Lincoln County

Well No. 19

M. Spurlock Farm

STATE INSPECTOR SUPERVISING PLUGGING: Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Gwin Lancaster and Bernard 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 M. M. Tripplehorn contractor and participated in the work of plugging and filling the above well, that said work was commenced on the 10th day of June, 19 49, and that the well was plugged and filled in the following manner:

COAL OR ZONE RECORD: FORMATION	FILLING MATERIAL: CONTENT	FROM	TO	PLUGS USED: SIZE & KIND	CASING: CSG PULLED	CSG LEFT IN
	Cement & rock	2296	2281	6-5/8"	1648	0
	Clay	2281	2200			
	Cement & rock	2200	2185			
	Cement & rock	1880	1865			
	Clay	1865	1678			
	Cement & rock	1678	1663			
	Cement & rock	1100	1085			
	Clay	1085	970			
	Cement & rock	970	955			
	Cement & rock	250	235			
	Clay	235	surface			

COAL OWNED	DESCRIPTION OF MONUMENT
	Cement block
	G. S. & H. Supply
	Spurlock 19
	6-15-49

and that the work of plugging and filling said well was completed on the 15th day of June, 19 49.

And further deponents saith not.

Gwin Lancaster
Bernard McClure

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

T. T. Simmons
Notary Public.

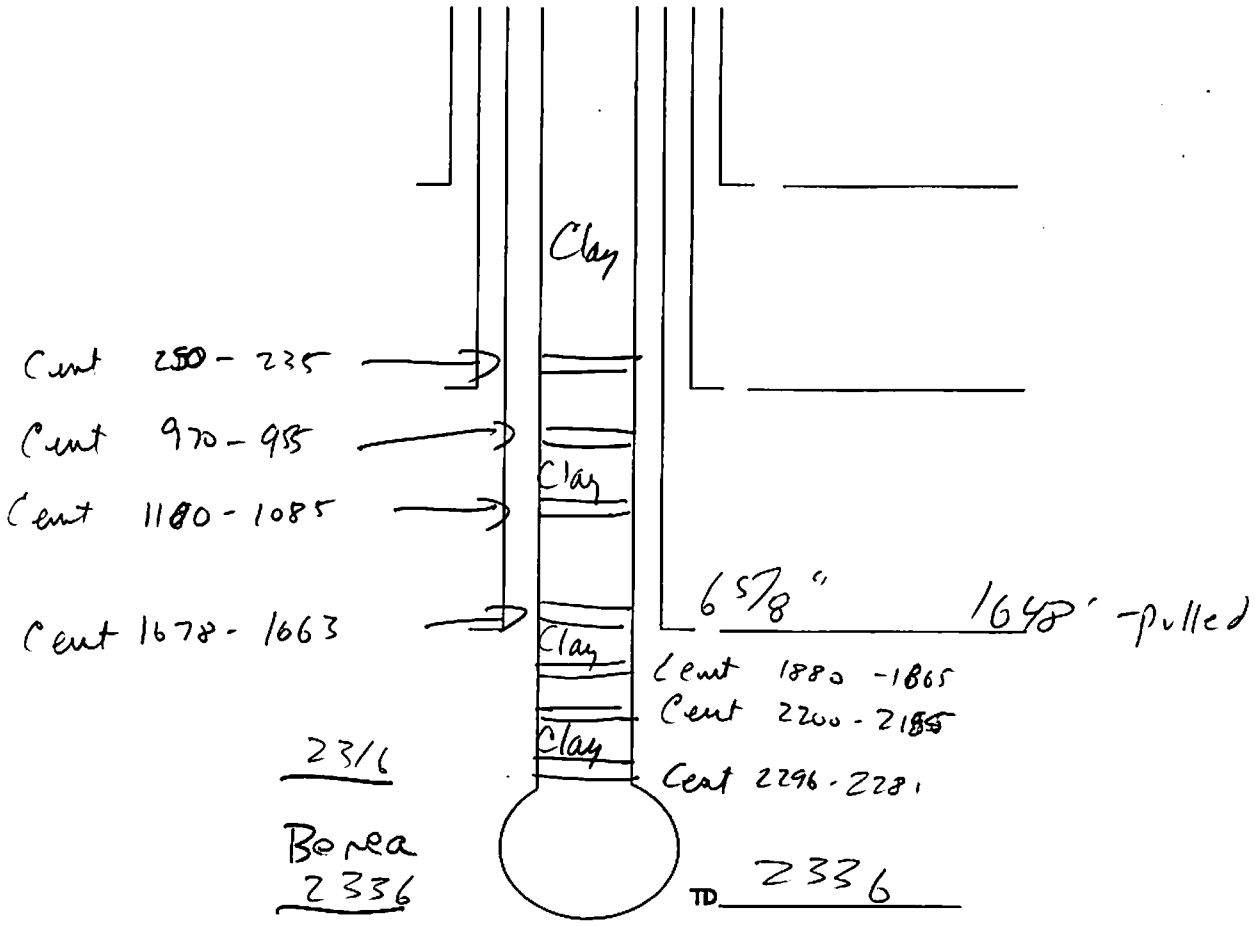
My commission expires: Sept. 16 1949

Permit No. LIN-765

M Sprucle 19

Griffithsville Unit #2 Field

47-043- 30765



From Drillers Records/Plugging Records

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

371

AOR - Well Review Checklist

API Number: 47- 043 - 30531 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 20

Farm Name: M Spurlock

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: 2480

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,620 Northing: 4,232,891

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.*

47-043-30531

RECORD of Well No. 20 on W. J. Stewart Farm Acres

Field, District County

Rig Commenced 19 , Completed 19

Drilling Commenced Dec 29 1913 Completed Feb 4 1914

Cost per foot, 11⅝ Contractor, Boone Drilling Co. Address, Huntington W. Va.

Drillers' Names J. B. Walsh & Henry Brothers

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						1782				

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						1782				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
2/5/14	80 qt.			

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Coal	430	434	4	Reduced hole 560'
Salt sand	1164	1729	565	
Maxton Lime	1737	1765	28	6 bailers of Water at 100'
Keener Sand	1765	1775	10	
Big Lime	1775	1965	190	Hole full of Water 1174'
Injun	1965	2020	55	
Slate	2020	2076	56	
Slate & shells	2076	2176	100	Shot 5/7/14 - 1-10 qt. Berea.
Slate	2176	2440	264	
Brown shale	2440	2460	20	
Berea Sand	2460	2480	20	

Form OG-9

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30531

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.
LAND OR PROPERTY OWNER
Parkersburg, W. Va.
ADDRESS

NAME OF WELL OPERATOR: G. R. DeLay
COMPLETE ADDRESS: R. G. Box 49 Hamlin, W. Va.
WELL AND LOCATION: January 14, 1949
District: Duval
County: Lincoln
Well No. 20
Farm: Matthew Spurlock

STATE INSPECTOR SUPERVISING PLUGGING: D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

G. R. DeLay and Guadalupe Saens 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 ____ day of ____, 19____, and that the well was plugged and filled in the following manner:

CASING OR TUBING RECORD	FILLING MATERIAL: CONTENT	FROM	TO	PLUGS USED: SIZE & KIND	CASING: CSG PULLED	CSG LEFT IN
Formation						
	Permanent Bridge	2445	2440			
	Cement	2440	2430			
	Stone	2430	2425			
	Clay	2425	1812			
	Cement	1812	1802			
	Stone	1802	1797		1762	6-5/8
	Pulled casing loose and put an			hole was filled.		
	Permanent Bridge	1255	1250			
	Cement	1250	1240			
	Stone	1240	1235			
	Clay	1235	1100			
	Cement	1100	1090			
	Permanent Bridge	358	350			
	Cement	350	340			
	Stone	340	335			
COAL CASING	Pulled 8-1/4 casing			DESCRIPTION OF EQUIPMENT: 8.18"X18"X50" Odiferete Block		
ANGEL	Filled with clay to surfa			December 8, 1948		
LEWIS						
ANGEL						
ANGEL						

and that the work of plugging and filing said well was completed on the 8 day of December, 1948

And further deponents saith not.

G. Guadalupe Saens
G. R. DeLay

Sworn to and subscribed before me this 13 day of January, 1949

J. C. Collins
Notary Public.

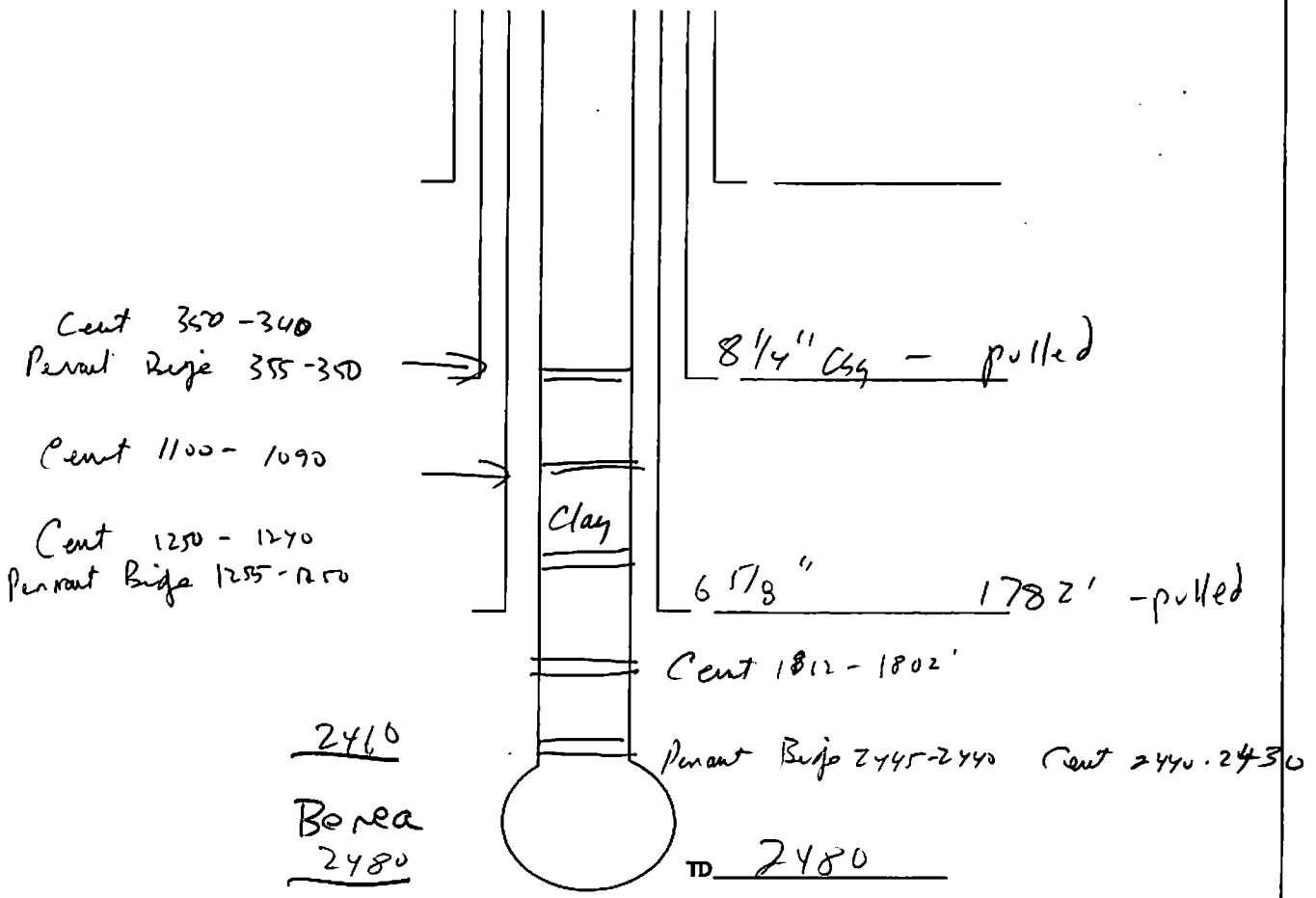
My commission expires July 9 1958

Permit No. 043-531

M Spurlock 20

Griffithsville Unit #2 Field

47-043- 30531



From Drillers Records/Plugging Records

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

(372)

AOR - Well Review Checklist

API Number: 47- 043 - 30739 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 21

Farm Name: M Sparlock

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: 414,782 Northing: 4,232,910

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.*

47-043-30739

RECORD of Well No. 21 on W. Shamblin Farm Acres

Field, District County

Rig Commenced 19 Completed 19

Drilling Commenced Feb 12 1914 Completed Mch 24 1914

Cost per foot, 11⅝ Contractor, Boone Drilling Co Address, Glenville W Va

Drillers' Names J B Walsh & H J Rogers

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
8						1847				

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
8						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
3/25/14	80qt									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Coal	344	347	3	Reduced hole 580'
Coal	480	482	2	Big Water 1248'
Salt Sand	1217	1795	578	
Little Lime	1795	1823	28	
Penn Sand	1831	1839	8	
Big Lime	1839	2034	195	
Big Injun	2034	2089	55	
Slate	2089	2159	70	
Slate & Shells	2159	2340	181	
Slate	2340	2488	148	
Brown Shale	2488	2508	20	
Berea	2508	2527	19	

47-043-30739

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 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

NAME OF WELL OPERATOR: G.S.H. SUPPLY CO.
COMPLETE ADDRESS: Box 895, Tulsa, Okla.
WELL AND LOCATION: June 12, 19 49.
Duval District
Lincoln County
Well No. 21
M. Spurlock Farm
Dana E. Lawson

STATE INSPECTOR SUPERVISING PLUGGING

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Gwin Lancaster and Bernard 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 M. M. Tripplehorn contractor, and participated in the work of plugging and filling the above well, that said work was commenced on the 29th 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	2488	2473	5-3/16	1932	0
	Clay	2473	2400	6-5/8	600	1247
	Cement & rock	2400	2386			
	Cement & rock	2089	2074			
	Clay	2074	1877			
	Cement & rock	1877	1862			
	Cement & rock	1300	1285			
	Clay	1285	1197			
	Cement & rock	1197	1182			
	Cement & rock	250	235			
	Clay	235	surface			

COAL SEAMS	DESCRIPTION OF MONUMENT
	Cement block
	G. S. & H. Supply
	M. Spurlock 21
	6-8-49

and that the work of plugging and filling said well was completed on the 8th day of June, 1949.

And further deponents saith not.

Gwin Lancaster
Bernard McClure

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

B. T. Crawford
Notary Public.

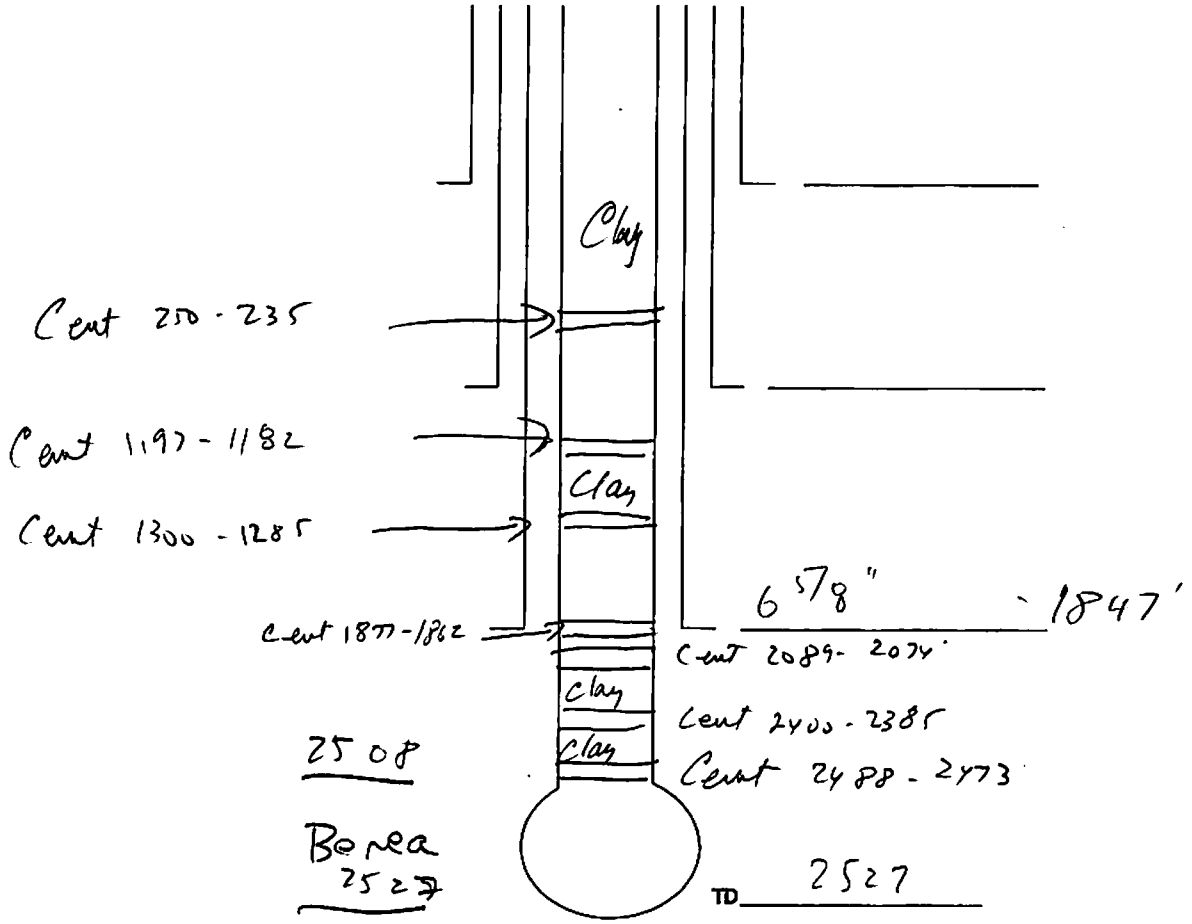
Permit No. LIN-739

My commission expires: June 16 - 1949

M Sprlock 21

Griffithsville Unit #2 Field

47-043- 30739



From Drillers Records/Plugging Records

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

373

AOR - Well Review Checklist

API Number: 47- 043 - 30697 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 22

Farm Name: M Sprouse

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: 2482

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,984 Northing: 4,232,984

Elevation: 300

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.*

47-043-3097

RECORD of Well No. 22 on W. Spurlock Farm ..... Acres .....

Field, ... District ..... County .....

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

Drilling Commenced Dec 3 1915 Completed Jan 10 1916

Cost per foot, 11⅝ Contractor, Boone Drilling Co. Address, Yawkey W Va

Drillers' Names J. W. English, A. P. Brookover

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
		52				1780				

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
		52				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
1/11/1916	80 qts.									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		52	52	
Slate	52	75	23	
Sand	75	100	25	
Slate & Red Rock	100	175	75	
Sand	175	250	75	
Slate	250	275	25	Reamed hole from 10" to 8"
Sand	275	400	125	at 405'
Slate	400	410	10	
Sand	410	700	290	Hole full of salt water 1200'
Slate	700	850	150	
Sand	850	900	50	
Slate & Shells	900	1150	250	
Salt Sand	1150	1740	590	
Black Lime	1740	1769	29	
Pencil Cave	1769	1775	6	
Big Lime	1775	1960	185	
Injun Sand	1960	2005	45	
Slate	2005	2100	95	
Shells	2100	2200	100	
Slate & Shells	2200	2443	243	
Brown Shale	2443	2461	18	
Berea Grit	2461	2482	21	

47-043-30697

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WEST VIRGINIA DEPARTMENT OF MINES

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: _____

NAME OF WELL OPERATOR: G. S. & H. Supply Co.
COMPLETE ADDRESS: Box 895, Tulsa, Okla.
WELL AND LOCATION
May 4, 1949
Duval District
Lincoln County
Well No. S 12
M. Spurlock Farm

STATE INSPECTOR SUPERVISING PLUGGING: Dana E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Art Hayes and Carl Miller 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 19th day of April, 1949, and that the well was plugged and filled in the following manner:

BAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Cement & Rock	2441	2426	5-3/16	1609	0
	Clay	2425	2340	6-5/8	1222	353
	Cement	2340	2330			
	Cement & Rock	2005	1990			
	Clay	1990	1810			
	Cement & Rock	1810	1795			
	Cement & Rock	1250	1235			
	Clay	1235	1130			
	Cement	1130	1120			
	Cement & rock	250	235			
	Clay	235	Surface			
COAL/SEAMS				DESCRIPTION OF MONUMENT		
				Cement block		
				G. S. H. Supply Co.		
				Spurlock 3		
				5-4-49		

and that the work of plugging and filling said well was completed on the 4th day of May, 1949.

And further deponents saith not.

Art Hayes
C. W. Miller

Sworn to and subscribed before me this 5 day of May, 1949.

J. R. Goodall
Notary Public.

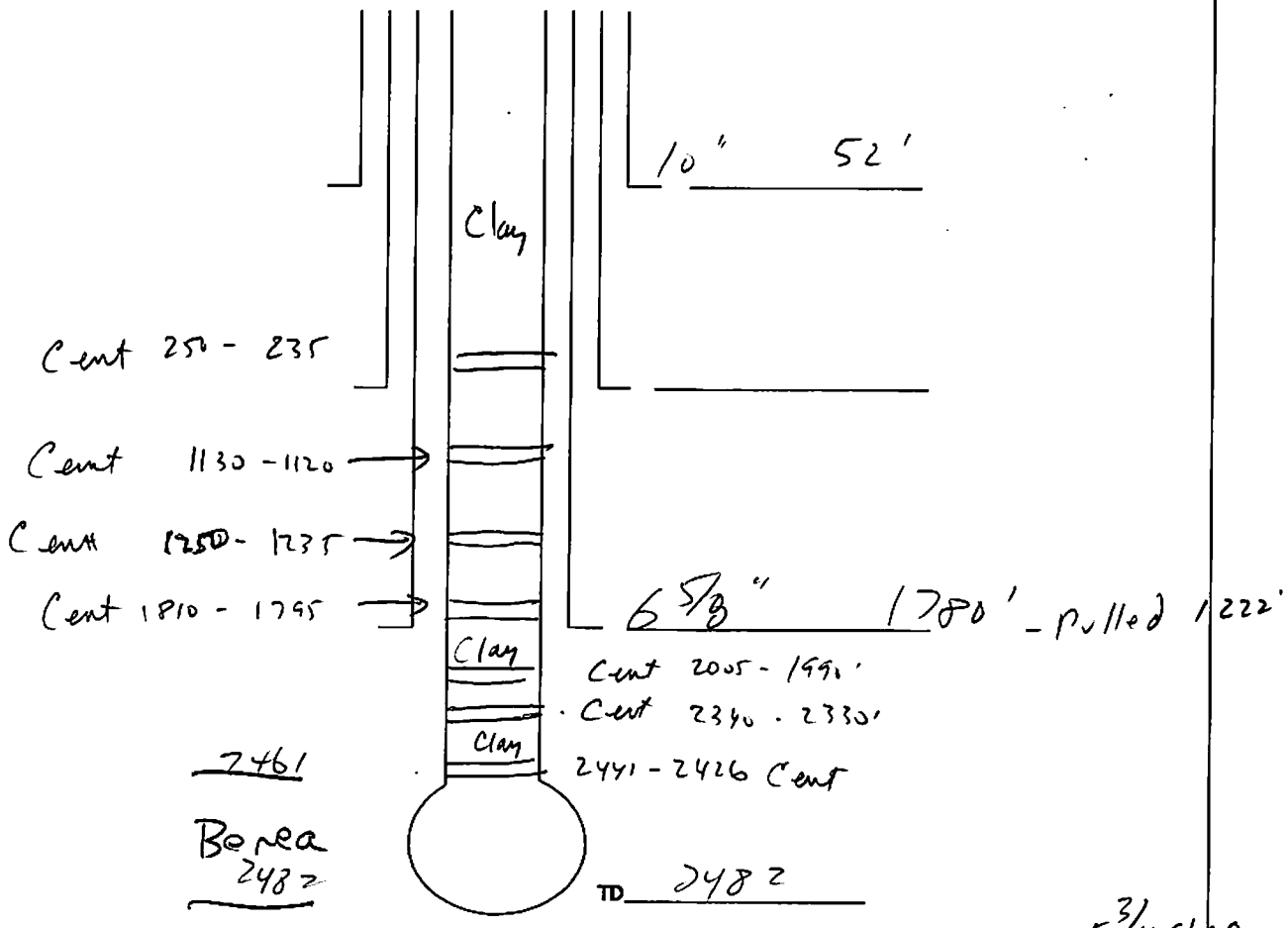
Permit No. LII-697

My commission expires:
Oct-9-1957

M Sprlock 22

Griffithsville Unit #2 Field

47-043- 30697



From Drillers Records/Plugging Records

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

374

AOR - Well Review Checklist

API Number: 47- 043 - 3 0 396 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 23

Farm Name: M Sprlalc

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: 2485

Completion Zones: Berea. Perforated Interval:

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

Easting: 414 888 Northing: 4,233,150

Elevation: 297'

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.*

47-043-30396

RECORD of Well No. 23 on W. J. Sunlock Farm ____ Acres
Hille Field, Davol District Lincoln County ____
Rig Commenced ____ 19__, Completed ____ 19__
Drilling Commenced March 3 1916, Completed April 8 1916
Cost per foot, 11¢ Contractor, Boone Drilling Co Address, Yawkey, W. Va.
Drillers' Names J. W. English & A. P. Brookover

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅜ Inch	5 3-16-Inch	4⅜ Inch
16				430		1785				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅝ Inch	6⅝ Inch	6¼ Inch	5⅜ Inch	5 3-16 Inch	4⅜ Inch
16				—		1785 Pulled them		abandoned		

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
4/10/16	80 qts.									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Clay		16	16	
Water & Red Rock	16	80	64	Water to drill with at 500'
Sand	80	100	20	
Slate & Red Rock	100	175	75	
Sand	175	200	25	Hole full back Water 1200'
Slate & Red Rock	200	300	100	
Sand	300	500	200	
Coal	500	503	3	
Sand	503	700	197	
Slate	700	825	125	
Sand	825	925	100	Shot 3/19/19 - 110 qt. - Broke out.
Slate & Shells	925	1150	225	
Salt Sand	1150	1743	593	
Black Lime	1743	1773	30	
Pencil Cave	1773	1780	7	
Big Lime	1780	1963	183	
Big Injun	1963	2010	47	
Slate	2010	2125	115	
Shells	2125	2250	125	
Slate	2250	2443	193	
Brown Shale	2443	2463	20	
Berea Sh & Sand	2463	2485	22	

"Abandoned"

FORM 22-B

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30396

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.

Joe. Linkous — COAL OPERATOR OR OWNER
(If any) Yawkey, W. Va. — ADDRESS

COAL OPERATOR OR OWNER
ADDRESS

Joe. Linkous — LEASE OR PROPERTY OWNER
Yawkey, W. Va. — ADDRESS

South Penn Natural Gas Co. — NAME OF FIELD OPERATING WELL
Huntington, W. Va. — COMPLETE ADDRESS

January 15 — WELL AND LOCATION — 194 2.
Guyandot — District
Lincoln — County
Well No. 23
Yawkey Spurlock — Farm
Calvin Hall

STATE INSPECTOR SUPERVISING PLUGGING

AFFIDAVIT

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

Arlie Satterfield and Wallace Hart 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 28th day of November, 194 5 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	Clay	2465	2443	7"	1785	None
	Cement	2443	2435			
Big Injun and Big Lime	Bridge	2040				
	Clay	2040	1795			
	Cement	1795	1785			
Little Lime	Clay	1785	1725			
	Cement	1725	1715			
Salt Sand	Clay	1715	1130			
	Cement	1130	1120			
	Bridge	535				
	Clay	480	To Surface			
COAL SEAMS				DESCRIPTION OF MONUMENT		
(None)	Cement	535	480	6-5/8c Casing extending 3c above surface, cut in concrete, with the inscription Syndco. -Matthew Spurlock No. 23 12-28-45.		
(None)						
(None)						
(None)						

and that the work of plugging and filling said well was completed on the 28th day of December, 194 5.

And further deponents saith not.

Arlie Satterfield
Wallace Hart

Sworn to and subscribed before me this 18th day of January, 194 6.

Notary Public.

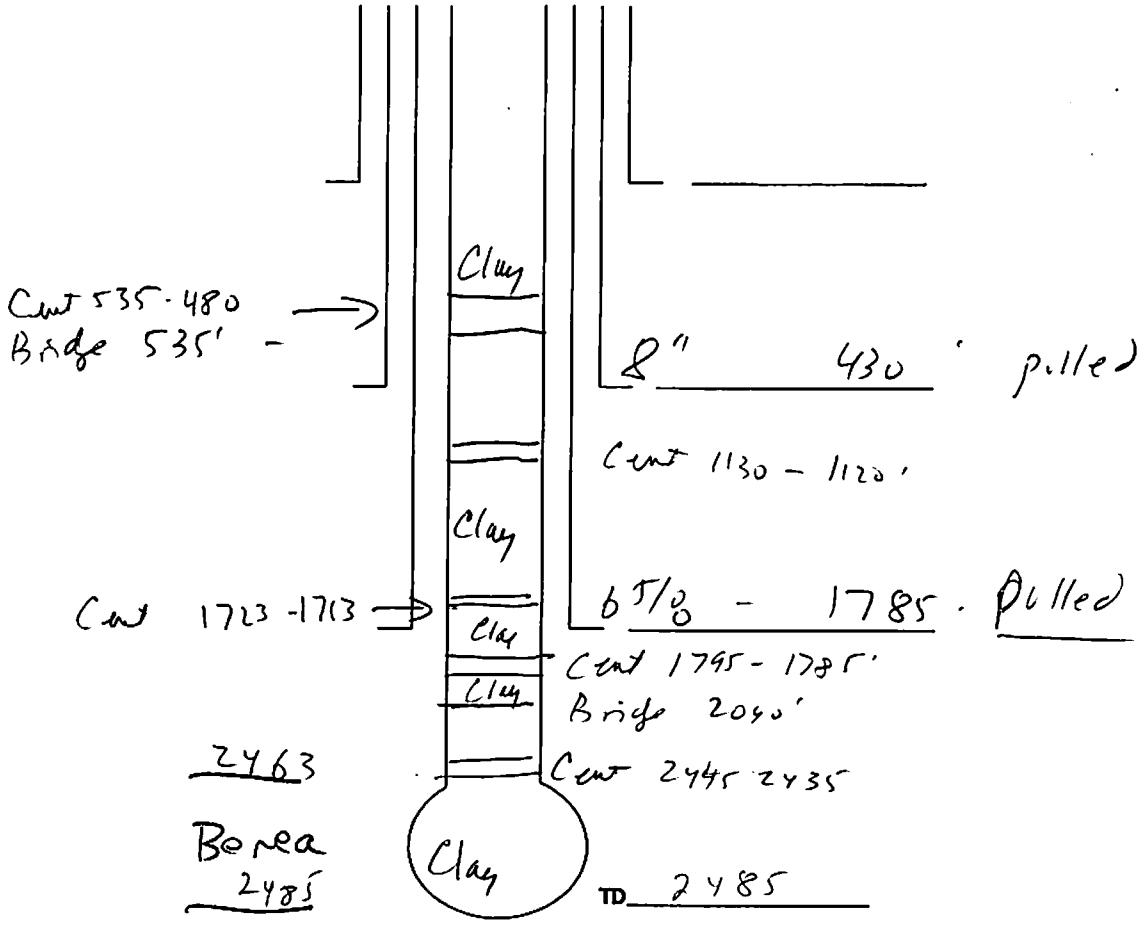
Permit No. 111-296

My commission expires December 7-1947

M Sparlock 23

Griffithsville Unit #2 Field

47-043- 30396



From Drillers Records/Plugging Records

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

375

AOR - Well Review Checklist

API Number: 47- 043 - 30532 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 24
Farm Name: M Spurlock
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: 2495
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,092 Northing: 4,233,247
Elevation: 297'
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.*

47-043-30532

RECORD of Well No. 24 on W. H. Sturlock Farm Acres

Field, District County

Rig Commenced 19, Completed 19

Drilling Commenced May 11 1914, Completed March 5 1915

Cost per foot, 11⅝ Contractor Boone Drilling Co. Address, Jarvisburg N.C.

Drillers' Names J. B. Walsh & A. L. Brothers

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
12				445'		1811				

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
12				—		1811				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
3/5/15	80 qts.			

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Coal	340	344	4	Reamed hole from 10" to 8"
Coal	500	503	3	445'
Coal	585	587	2	
Soft Sand	1156	1763	607	2 Bailer water at 585'
Little Lime	1763	1797	34	
Penn Sand	1797	1803	6	-El= 30.0
White Lime	1803	1980	177	Hole full of salt water
Big Lime Sand	1980	2030	50	at 1196'
Slate	2030	2080	50	
Shells	2080	2250	170	
Slate	2250	2460	210	
Brown Shale	2460	2467	7	Completed 7' in Brown
3/5/15 " "	2467	2474	7	Shale on June 24-1914
Berea Sand	2474	2495	21	

47-043-30532

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

South Penn Natural Gas Co.
LEASE OR PROPERTY OWNER

Parkersburg, W. Va.
ADDRESS

G. R. DeLay
NAME OF WELL OPERATOR

P. O. Box 49 Hamlin, W. Va.
COMPLETE ADDRESS

January 814, 1949
WELL AND LOCATION

Duval District

Lincoln County

Well No. 24

Matthew Sprulock Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

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 7 day of December, 1948, and that the well was plugged and filled in the following manner:

CASING OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Permanent Bridge	2459	2454			
	Cement	2454	2444			
	Stone	2444	2439			
	Clay	2439	1850			
	Cement	1850	1840			
	Stone	1840	1835		1811	6-5/8" O. D.
	Pulled Casing loose and put up hole was filled				1522	5-3/16" O. D.
	Permanent Bridge	1305	1300			
	Cement	1300	1290			
	Stone	1290	1285			
	Clay	1285	1136			
	Cement	1136	1126			
	Permanent Bridge	355	350			
	Cement	350	340			
	Stone	340	335			
COAL SEAMS	Filled with clay to surface.			DESCRIPTION OF MONUMENT	16"X18"X30" Concrete Block	
(NAME)					December 11, 1948	
(THICK)						
(THICK)						
(THICK)						

and that the work of plugging and filling said well was completed on the 11 day of December, 1948

And further deponents saith not.

Guadalupe Saenz
G. R. DeLay

Sworn to and subscribed before me this 17 day of January, 1949

John C. Custard
Notary Public.

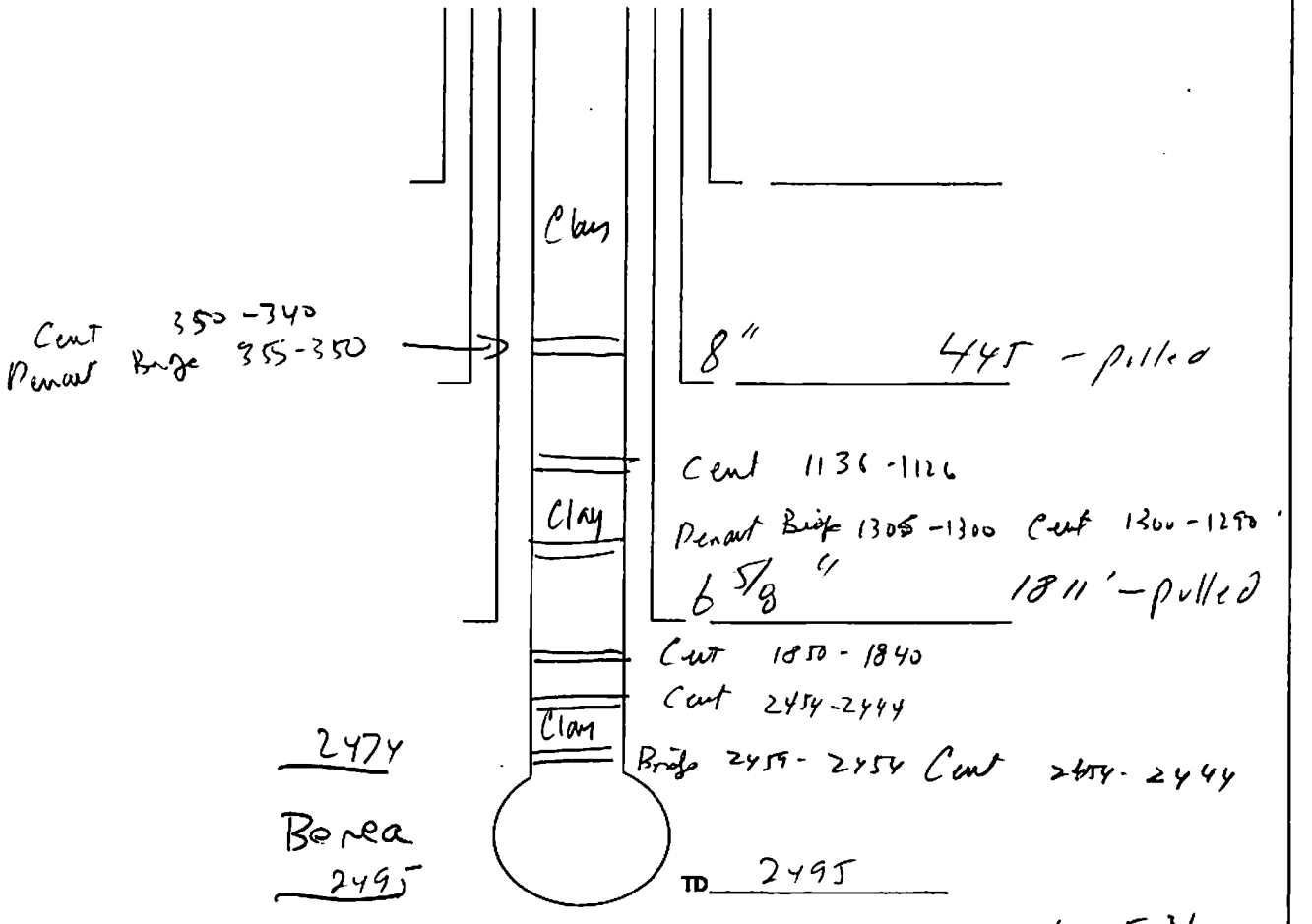
My commission expires: July 2 1951

Permit No. [illegible]

M Spurlock 24

Griffithsville Unit #2 Field

47-043- 30532



From Drillers Records/Plugging Records

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

AOR - Well Review Checklist

(370)

API Number: 47- 043 -30780 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 25

Farm Name: M Spurlock

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: 2345

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,952 Northing: 4,233,364

Elevation: 255

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.*

47-043-30786

RECORD of Well No. 25 on W. Spurlock Farm Acres 5 Acres
Field, Duval District Lincoln County
Rig Commenced 19 , Completed 19
Drilling Commenced Apr 15 1916, Completed May 12 1916
Cost per foot, 1½ Contractor, Bone Drl. Co. Address, Gauley W.Va.
Drillers' Names J.W. English & A.P. Brohown

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						1650				

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						1650				

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
5/16/16	80 qts.								

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Clay		16	16	E-3
Red Rock	16	30	14	
Slate	30	60	30	Water to drill with at 430'
Sand	60	110	50	
Slate	110	175	65	Reduced hole frm 10" to 8" at 440'
Sand	175	225	50	
Slate & Sand	225	430	205	
Coal	430	433	3	
Slate	433	445	12	Hole full salt water at 1090
Sand	445	500	55	
Slate	500	575	75	
Sand & Slate	575	975	400	
Slate & Shells	975	1030	55	
Salt Sand	1030	1610	580	
Black Lime	1610	1638	28	
Pencil Cave	1638	1645	7	
Big Lime	1645	1830	185	
Keener Sand	1830	1880	50	
Slate	1880	2030	150	
Shells	2030	2155	125	
Slate	2155	2305	150	
Brown Shale	2305	2325	20	
Berea Grit	2325	2345	20	

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30786

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

LESSEE OR PROPERTY OWNER

ADDRESS

G. B. & H. Supply
NAME OF WELL OPERATOR

Rt. 695 Julian, W.Va.
COMPLETE ADDRESS

July 10, 1949
WELL AND LOCATION

Laval District

Lincoln County

Well No. 25

M. Synlook Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana K. Lemon

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Leslie
Owin Lancaster and Emmett 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 G. B. & H. Supply contractor, and participated in the work of plugging and filling the above well, that said work was commenced on the 24th day of June, 19 49, and that the well was plugged and filled in the following manner:

COAL OR GAS RECORD		FILLING MATERIAL		PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Cement & rock	2305	2291	6-5/8	1650	0
	Clay	2290	2200			
	Cement	2200	2190			
	Cement & rock	1880	1865			
	Clay	1865	1680			
	Cement & rock	1680	1665			
	Cement & rock	1150	1135			
	Clay	1135	1030			
	Cement & rock	1030	1015			
	Cement & rock	250	235			
	Clay	235	surface			

COAL SEAMS

	DESCRIPTION OF MONUMENT
	Cement block
	G. B. & H. Supply
	M. Synlook 25
	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.

Leslie McClure

Sworn to and subscribed before me this 12 day of July, 19 49

J R Atkinson
Notary Public.

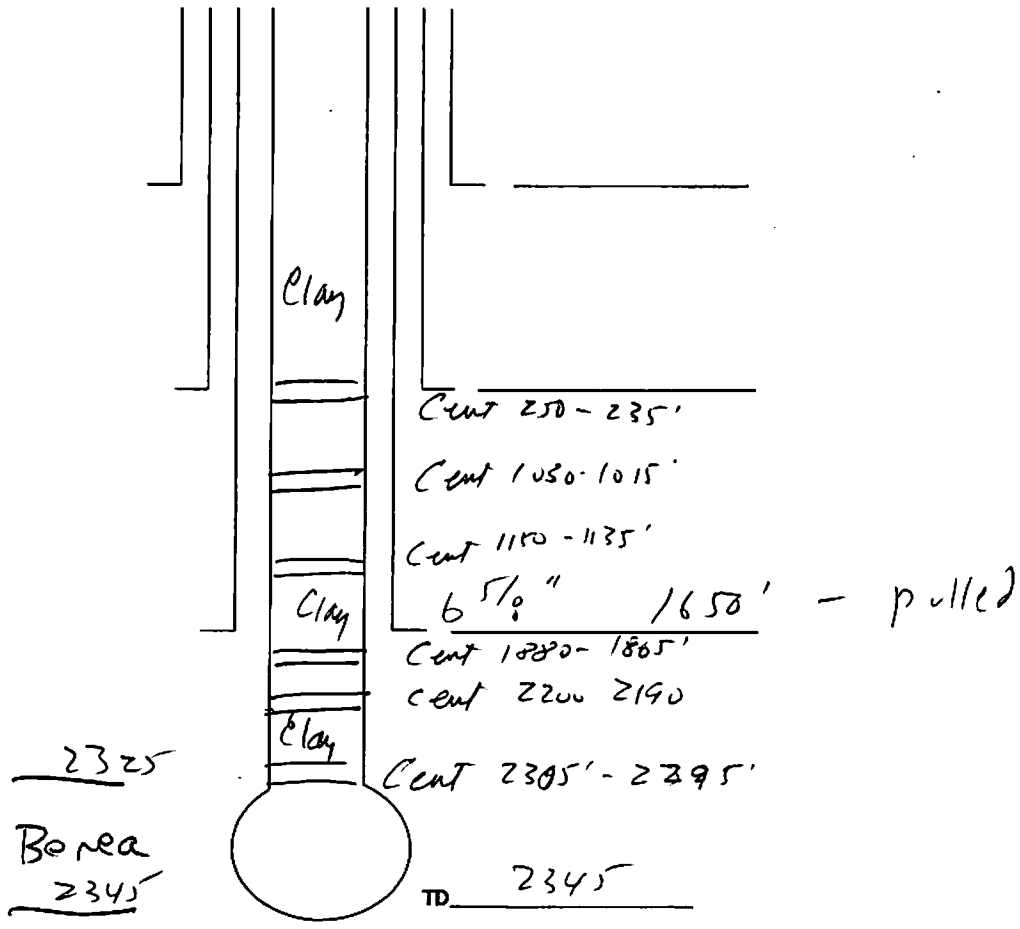
My commission expires:
10-9-57

Permit No LIN-786

N Sparlock 25

Griffithsville Unit #2 Field

47-043- 30786



From Drillers Records/Plugging Records

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

377

AOR - Well Review Checklist

API Number: 47- 043 - 30890 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 26

Farm Name: M Sprouse

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: 2340

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,825 Northing: 4,233,475

Elevation: 253

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.*

47-043-30890

RECORD of Well No. 26 on W. J. Shurlock Farm Acres
Field, Griffithsville District Duval County Lincoln
Rig Commenced 19 , Completed 19
Drilling Commenced Aug. 14 1916, Completed Sept 16 1916
Cost per foot, 1 1/3 Contractor, Boone Drilling Co. Address,
Drillers' Names J. W. English A. P. Brookover

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
12				435'		1650				

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
12						1650				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set
9/18/16	80qts						

GAS WELL

Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Clay		12	12	
Sand	12	20	8	
Red Rock	20	60	40	
Sand	60	120	60	
Red Rock & Shale	120	300	180	
Sand	300	420	120	
Coal	420	423	3	
Slate	423	435'	12	
Sand	435'	635'	200	
Slate	635'	725'	90	
Sand	725'	800	75	Hole full salt Water 1070'
Slate	800	910	110	
Sand	910	950	40	
Slate	950	1020	70	
Salt Sand	1020	1580	560	
Slate	1580	1605'	25'	
Black Lime	1605'	1638	33	
Pencil Cave	1638	1645'	7	
Big Lime	1645'	1830	185'	
Injun Sand	1830	1880	50	
Slate	1880	2000	120	
Shells	2000	2150	150	
Slate	2150	2300	150	
Brown Shale	2300	2318	18	
Pencil & Slate	2318	2340	22	

47-043-30890

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

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

COAL OPERATOR OR OWNER — WELL AND LOCATION: November 22, 19 50

ADDRESS — District: Duval

LEASE OR PROPERTY OWNER — County: Lincoln

ADDRESS — Well No. 25 - 26

Farm: Matthew Branch

STATE INSPECTOR SUPERVISING PLUGGING J. A. Lowery

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Lincoln } ss:

Kelly Roberts 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 13 day of November, 19 50, and that the well was plugged and filled in the following manner:

CASING & TUBING RECORD / FORMATION	FILLING MATERIAL: CONTENT	FROM	TO	PLUGS USED: SIZE & KIND	CASING: CSG PULLED	CSG LEFT IN
	Bridge Set At	2320'		6-5/8"	1650'	None
	Neat Cement	2320'	2310'	2"	2334'	None
	Crushed Stone	5'				
	Clay		1630'			
	Neat Cement	1630'	1620'			
	Crushed Stone	5'				
	Bridge Set At	1250'				
	Neat Cement	1250'	1240'			
	Crushed Stone	5'				
	Clay		1000'			
	Neat Cement	1000'	990'			
	Crushed Stone	5'				
	Bridge Set At	400'				
	Neat Cement	400'	390'			
	Crushed Stone	5'				
COAL SEAMS	Clay to Surface			DESCRIPTION OF MONUMENT: Erected Marker According Rule 18, 1951 Regulations		

DEC 1950

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

And further deponents saith not.

Kelly Roberts
W. C. Pack

Sworn to and subscribed before me this 7 day of December, 1950

Notary Public.

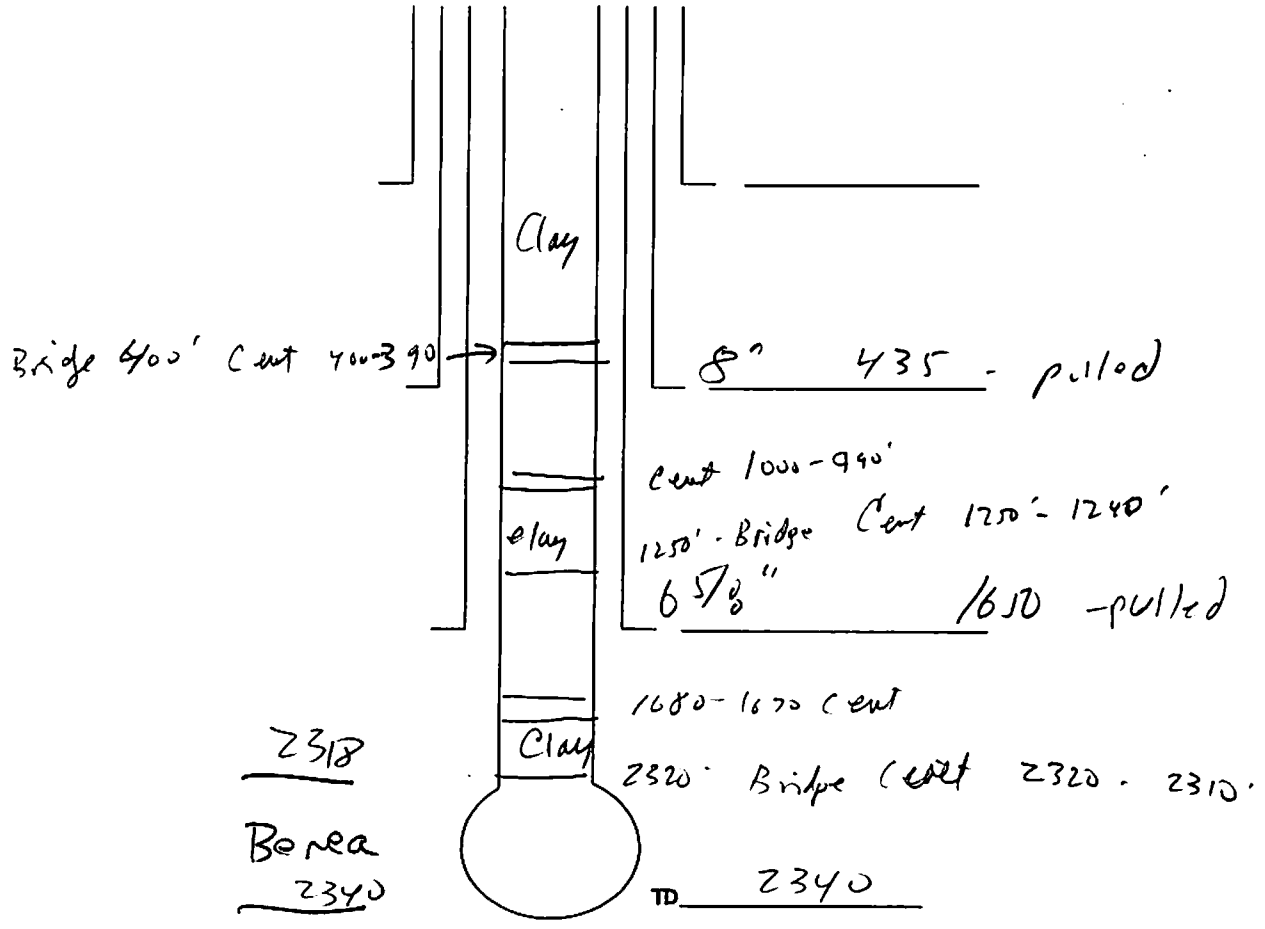
Permit No. LIN-379

My commission expires: April 1, 1957

M Spurlock 26

Griffithsville Unit #2 Field

47-043- 3089 0



From Drillers Records/Plugging Records

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

378

AOR - Well Review Checklist

API Number: 47- 043 - 30533 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 27

Farm Name: M Spurlock

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: 414,764 Northing: 4,233,323

Elevation: 221

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.*

47-043-30533

RECORD of Well No. 27 on W. J. Sherlock Farm Acres

Field, District County

Rig Commenced 19 ; Completed 19

Drilling Commenced May 23 1916, Completed June 22 1916

Cost per foot, 11¢ Contractor, Bone Drilling Co. Address, Fairview, W. Va.

Drillers' Names J. W. English, A. P. Brookover

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅜ Inch	6⅝ Inch	6¼ Inch	5⅛ Inch	5 3-16-Inch	4⅛ Inch
9				322		1535				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅜ Inch	6⅝ Inch	6¼ Inch	5⅛ Inch	5 3-16 Inch	4⅛ Inch
9						1535				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
7	23/16 80%			

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		7	7	
Sandy	7	57	50	Hole full Water at 30'
Slate	57	125	68	
Sand	125	300	175	
Coal	300	303	3	
Sand	303	350	47	
Slate	350	400	50	
Sand	400	520	120	Hole full Salt Water at 450'
Slate	520	600	80	
Sand	600	700	100	
Slate	700	820	120	
Sand	820	850	30	
Slate & Shells	850	900	50	
Salt Sand	900	1455	555	
Slate	1455	1485	30	
Black Lime	1485	1520	35	
Pencil Cave	1520	1530	10	
Big Lime	1530	1725	195	
Injun	1725	1775	50	
Slate	1775	1925	150	
Shells	1925	2050	125	
Slate	2050	2190	140	
Brown Shale	2190	2209	19	
Berea Grit	2209	2228	19	

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30533

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: South Penn Natural Gas Co. / Parkersburg, W. Va.

NAME OF WELL OPERATOR: C. R. DeLay
COMPLETE ADDRESS: P. O. Box 49 Hamlin, W. Va.
WELL AND LOCATION: January 14, 1949 ..... 19.....
District: Duval
County: Lincoln
Well No. 27
Farm: Matthew Brylook

STATE INSPECTOR SUPERVISING PLUGGING: D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

C. R. DeLay and Bohtol 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. DeLay well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 16 day of November, 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
Permanent	Bridge	2194	2189			
	Cement	2189	2179			
	Stone	2179	2174			
	Clay	2174	1570			
	Cement	1570	1560			
	Stone	1560	1555		1535	6-5/8" O.D.
Pulled casing loose and cut as hole was filled					1588	5-3/16
Permanent	Bridge	1255	1250			
	Cement	1250	1240			
	Stone	1240	1235			
	Clay	1235	880			
	Cement	880	870			
Permanent	Bridge	355	350			
	Cement	350	340			
	Stone	340	335			
COAL SEAMS	Filled with clay to surface			DESCRIPTION OF MONUMENT: 18"X18"X30" Concrete Block November 19, 1948		
(NAME)						
(NAME)						
(NAME)						

and that the work of plugging and filling said well was completed on the 19 day of November, 1948

And further deponents saith not.

Bohtol Wade
C. R. DeLay

Sworn to and subscribed before me this 18 day of January, 1949

Just C. Cartwright
Notary Public.

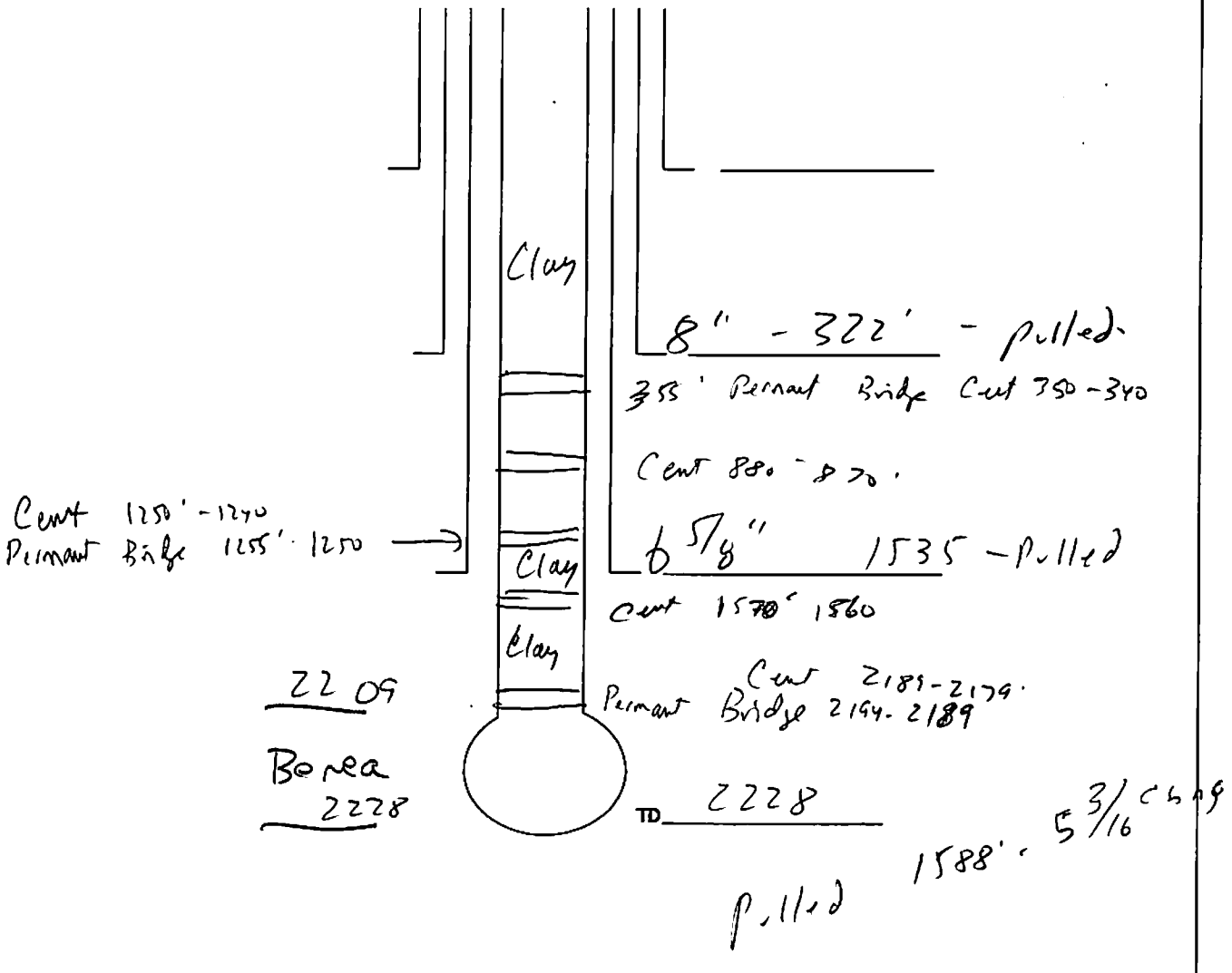
My commission expires: July 9, 1952

Permit No. A-10-033

M Spurlock 27

Griffithsville Unit #2 Field

47-043- 30523



From Drillers Records/Plugging Records

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

(379)

AOR - Well Review Checklist

API Number: 47- 043 - 02193 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 1
Farm Name: Stephenson, et al
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: 2516
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,460 Northing: 4,235,848
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.*

47-043-02193

Production First 24 Hours from { Berea Sand Bbls. Approved.
{ Sand Bbls. By Supt.

Stephenson, etal, Farm, No. of Lease, No. Acres.
Duval District Lincoln County W. Va. State.
Well No. 1, #210, Date of Location April 7th, 1920
Rig Commenced June 14th, 1920
Rig Completed June 25th, 1920 } Eddystone Oil Corp., Contractor.
Drilling Commenced July 8th, 1920
Drilling Completed August 10th, 1920 } Eddystone Oil Corp., Contractor.

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 Between Strings Feet	In.	Left at Well but in Use Feet	In.
8-1/4	404	2	365						365				39	2
6-5/8	1909	6	1851						1851				58	6

Formation	Top	Bottom	Thickness
Conductor		16	
Sand	16	50	
Red Mud	50	325	
Sand	325	375	
Slate	375	425	
Lime	425	450	
Sand	450	600	
Slate	600	700	
Lime	700	750	
Sand	750	900	
Slate	900	975	
Sand	975	1000	
Lime	1000	1025	
Slate	1025	1150	
Sand	1150	1160	
Slate	1160	1170	
Salt Sand	1170	1734	
Maxon	1734	1794	
Little Lime	1794	1820	
Penoil Cave	1820	1828	
Big Lime	1828	2006	
Big Injun	2006	2052	
Shells	2052	2215	
Slate	2215	2475	
Brown Shale	2475	2497	
Berea	2497	2516	
Total Depth.		2516	

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
8	25	20	60	14'	2500	2514
6	1	27	40	16'	2499	2515

REMARKS:
6-5/8 X 8-1/4 B.H. Lead packer set at 1836'

ABANDONED

Size	Casing Pulled	Casing Left in	

REMARKS:
Water found at 1270'
Small show Gas 1988
El=1016.74

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.

47-043-02193

Farm name: Rowh, Max & Joselyn Operator Well No.: Stephenson etal #1

LOCATION: Elevation: 1018' Quadrangle: Garretts Bend 7.5'
District: Duval County: Lincoln
Latitude: Deg. Min. Sec.
Longitude Deg. Min. Sec.

Well Type: OIL X GAS ____

Company: East Resources Inc.
P.O. BOx 5519
Vienna, WV 26105

Coal Operator or Owner ____

Agent: Michael McCown
Inspector: Larry Parrish
Permit Issued: 11/7/02

Coal Operator or Owner ____

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood ss:

Terry Huffman and Bill 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 East Resources Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 19th day of January, 2003, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2472'	2318'		
Cement	1960'	1762'	5 1/2" 1515'	422'
Cement	1551'	1438'	7" 328'	1523'
Cement	1035'	914'		
Cement	828'	707'		
Cement	519'	397'		
Cement	150'	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 7th day of February, 2003

And furthur deponents saith not.

Terry Huffman
Bill Wade

Sworn and subscribed before me this 7th day of May, 2003

My commission expires: Oct. 4, 2006

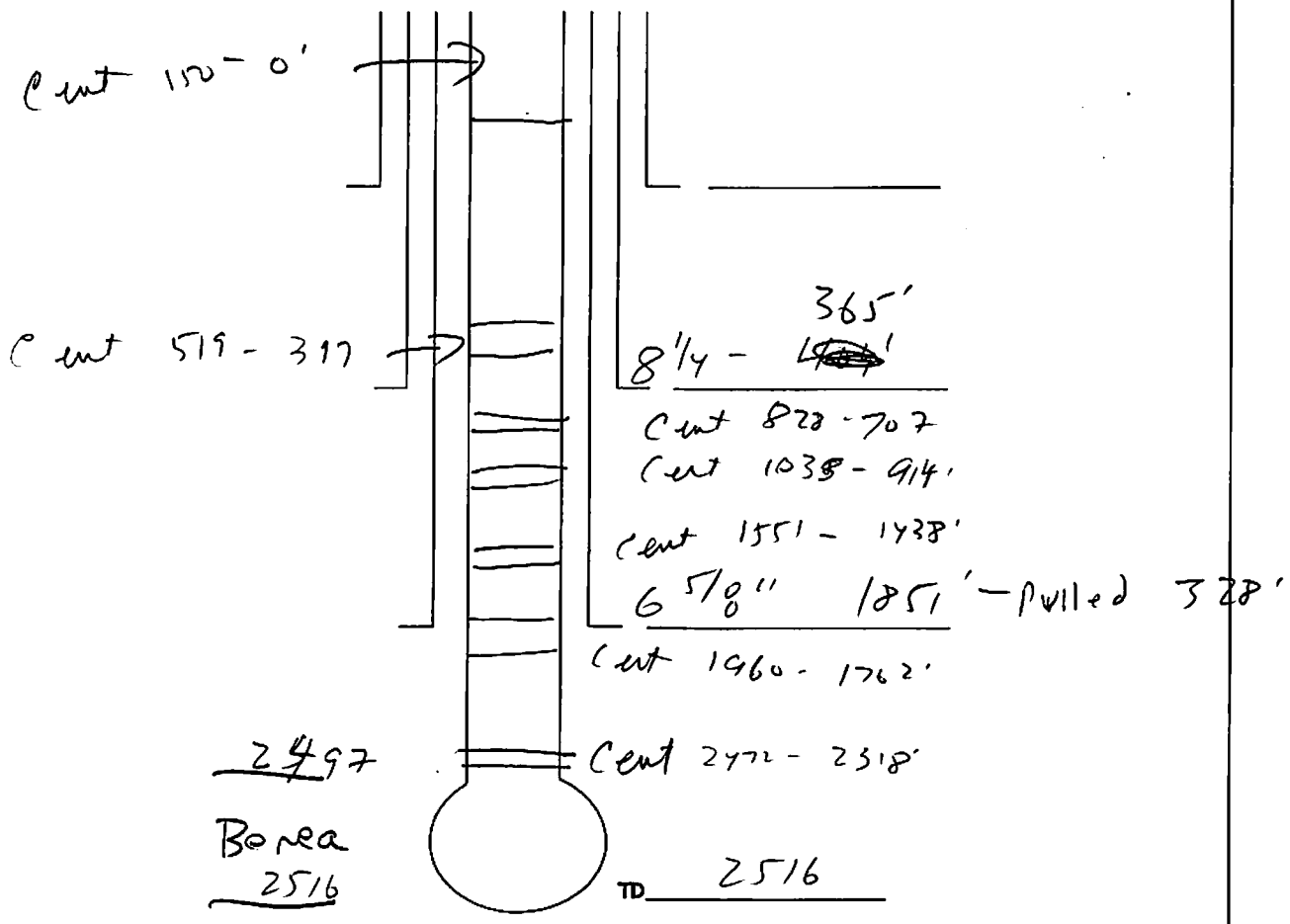
Notary Public

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
S. DIANNE DULANEY
P.O. Box 5519
Vienna, West Virginia 26105
My Commission Expires Oct. 4, 2006

Stephenson, et al /

Griffithsville Unit #2 Field

47-043- 02193



From Drillers Records/Plugging Records

Pulled 1515' 5 1/2" (est)
left 422'

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

380

AOR - Well Review Checklist

API Number: 47- 043 - 00232 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 2

Farm Name: Stephenson, et al

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: 417,546 Northing: 4,236,007

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 - 00232

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. LIN-232 — Oil or Gas Well: OIL (Kind)

Company: South Penn Oil Company
Address: 411 Seventh Ave., Pittsburgh, Pa.
Farm: Stephenson et al — Acres: 64
Location (waters): Road Fork
Well No.: 2 — Elev.: 1017.60
District: Duval — County: Lincoln
The surface of tract is owned in fee by: W. L. Sanson Hrs
c/o Mrs. Calliona Sanson — Address: Garretts Bend, WVA
Mineral rights are owned by: J. A. Holley Est. et al
c/o Charleston Nat'l Bank — Address: Charleston, W. Va.
Drilling commenced: Sept. 28, 1937
Drilling completed: Nov. 26, 1937
Date shot: Nov. 27, 1937 — Depth of shot: 2501-2520
Open Flow: /10ths Water in - Inch
/10ths Merc. in - Inch
Volume: - Cu. Ft.
Rock Pressure: - lbs. - hrs.
Oil: 4 bbls., 1st 24 hrs.
Fresh water: - feet - feet
Salt water: 1240 feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer -
13			
10			Size of -
8¼	359		-
6 5/8	2170		Depth set -
5 3/16			-
3			Perf. top -
2	2550		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
Soil				10			
Sand			10	60			
Red Rock			60	165			
Slate			165	170			
Red Rock			170	180			
Sand			180	220			
Red Rock			220	335			
Sand			335	356			
Slate			356	360			
Sand			360	425			
Slate & Shells			425	435			
Sand			435	450			
Slate & Shells			450	515			
Sand			515	640			
Slate			640	730			
Lime			730	755			
Sand			755	820			
Slate			820	890			
Sand			890	900			
Slate			900	935			
Sand			935	1130			
Lime			1130	1150			
Slate			1150	1160			
Lime			1160	1173			
Salt Sand			1173	1759	Salt Water	1240	
Maxon Sand			1759	1795			
Little Lime			1795	1823			
Pencil Cave			1823	1830			
Big Lime			1830	2006			
Big Injun			2006	2055			
Slate & Shells			2055	2250			
Slate			2250	2499			
Berea Sand			2499	2520			
Total Depth				2523			



(Over)

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.

47-043-00232

Farm name: Rowh, Max & Joselyn Operator Well No.: Stephenson, etal #2

LOCATION: Elevation: 1027' Quadrangle: Garretts Bend 7.5'
District: Duval County: Lincoln
Latitude: Deg. Min. Sec.
Longitude Deg. Min. Sec.

Well Type: OIL X GAS ____

Company: East Resources Inc.
P.O. BOx 5519
Vienna, WV 26105

Coal Operator or Owner ____

Agent: Michael McCown
Inspector: Larry Parrish
Permit Issued: 11/7/02

Coal Operator or Owner ____

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood ss:

Terry Huffman and Bill 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 East Resources Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 11th day of February, 2003, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
	2479'	2339'		
Cement	2204'	2084'	7" 829'	1341'
Cement	1207'	1082'	8" 157'	202'
Cement	895'	753'		
Cement	415'	293'		
Cement	275'	250'		
Cement	175'	0	Shot 7"twice @	1168' & 829'
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 5th day of March, 2003.

And furthur deponents saith not.

Terry Huffman

Bill Wade

Sworn and subscribed before me this 7th day of May, 2003

My Commission expires Oct. 4, 2006

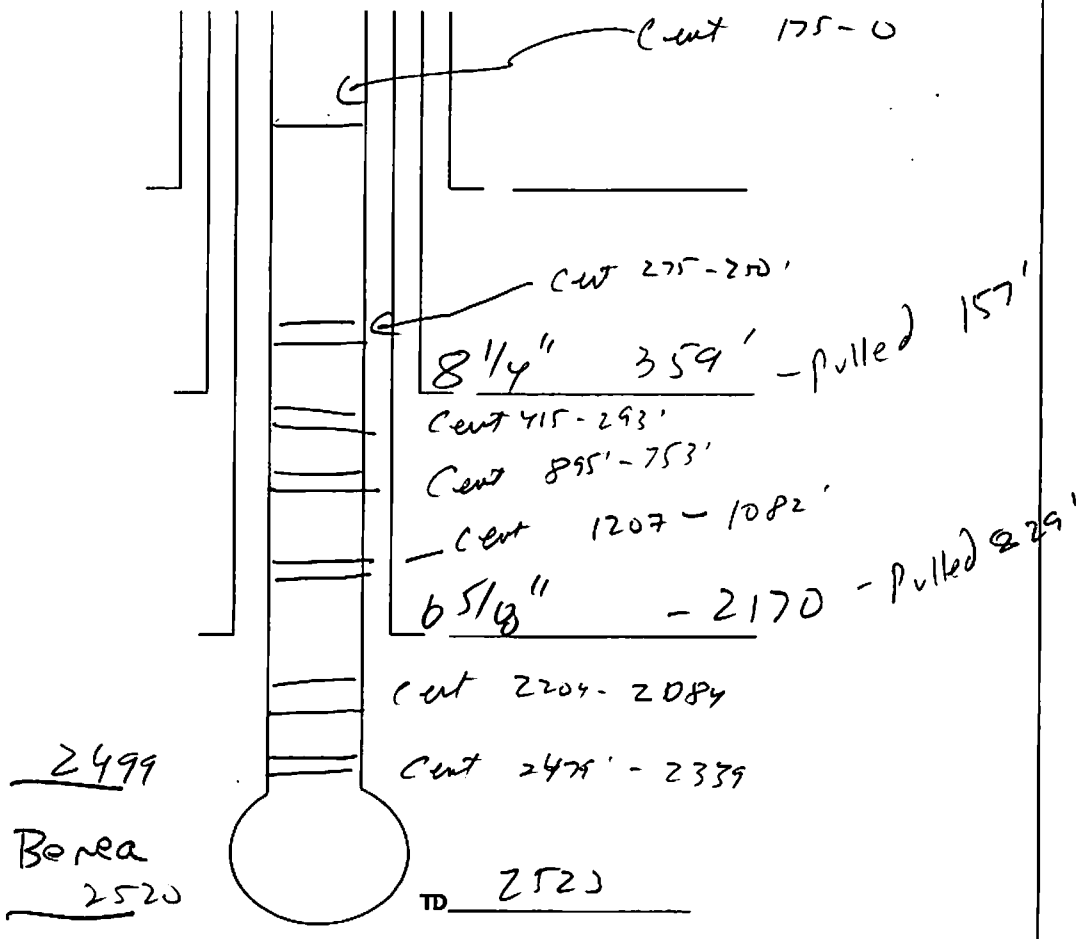
S. Dianne Dulaney
Notary Public

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
S. DIANNE DULANEY
P.O. Box 5519
Vienna, West Virginia 26105
My Commission Expires Oct. 4, 2006

Stephenson, et al 2

Griffithsville Unit #2 Field

47-043- 00252



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev 6/14/16

(381)

AOR - Well Review Checklist

API Number: 47- 043 -00333 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: Stephenson et al

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: ~~2397~~ 2402

Completion Zones: Berea. Perforated Interval:

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

Easting: 417,714 Northing: 4,235,945

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:

11

Reviewer Name: Signature:

Date Reviewed:

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

47-043-00333

Well No. 3 Stephenson, et al. Farm Acres
Lease No. 75031 Union District Lincoln County W. Va. State
Elkins Drilling Co. Contractor Elkins Drilling Co. Contractor
Drilling Commenced 6-14-1941 Drilling Completed 8-15-1941
N. S. 79-80 E. W. 75 Elevation 894.89 Bar.

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Red Mud		40		
Coarse 10 3/4"		18		
Slate	40	95		
Red Rock	95	210		
Slate	210	237		
Sand	237	252		
Coarse 8 1/4"		257'-10"		
Slate & Shells	252	350		
Sand	350	500		
Slate	500	550		
Lime	550	570		
Slate	570	596		
Coal	596	600		
Slate & Shells	600	645		
Sand	645	705		
Slate	705	740		
Sand	740	800		
Slate	800	830		
Sand	830	875		
Slate	875	950		
Sand	950	1020		
Slate & Shells (Continues)	1020	1100		

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

47-043-00333

Well No. 3 Stephenson, etal (Continued) Farm Acres
Lease No. Township District County State
Contractor Contractor
Drilling Commenced 19 Drilling Completed 19
N. S. E. W. Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Salt Sand	1100	1650		
Water		1110	Hole Full	
Slate	1650	1668		
Little Lime	1668	1698		
Pencil Cave	1698	1705		
Big Lime	1705	1885		
Keener		1790	Show	
Big Injun	1885	1940		
Casing 6 5/8"		1945'-8"	1930	S.L.
Slate & Shells	1940	2040		
Hard Shell	2040	2120		
Slate & Shells	2120	2354		
Brown Shale	2354	2376		
Berea	2376	2398		
Dry	2380	2392		
Total Depth		2402	2402	
Berea Core Drilled				
Berea Sandstone	2376	2378		
Berea Fine Sandstone	2378	2383		

(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

47-043-00333

Well No. 3 Stephenson Stg (Continued from atom) Farm Acres
Lease No. Township District County State
Contractor Contractor
Drilling Commenced 19 Drilling Completed 19
N. S. E. W. Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Brny Sandstone	2383	2386'-4"		
Brny Shale	2386'-4"	2386-7"		
Brny Sandstone	2386.7	2391.7		
Brny Shale	2391.7	2391.8		
Lit. Brn. Sandstone	2391.8	2398.		
Brny Shale	2398.	2399.5		

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well	
Size	Feet	In.	Feet	In.	Feet	In.
10 3/4"	18					
8 1/4"	257	10				
6 5/8"	864	8				
6 5/8"	1081					
2" Conv.	2334					
2" Conv.	13-					

Shot Date 8-19-41 | 9-8-41
Amount 75 Qts. | 120 Qts.
Sand 2378-2398 | 2397-2098
Result Brn Shale | Brn Shale
Packer Size
Depth Set

Production First 2 Hours 30 Bbls. Gas Test

Approved by L. N. Crummett Superintendent

WR-38
26-May-

API # 47-43-00333-P

RECEIVED
Office of Oil and Gas
JUL 27 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: Rowh, Max Operator Well No.: Stephenson # 3
LOCATION: Elevation: 894.00 Quadrangle: Garretts Bend
District: Duval County: Lincoln
Latitude: 8700 Feet South of 38 Deg. 17 Min. 30 Sec.
Longitude 6850 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 9 day of July, 1999, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED		LEFT
Gel	2402	2300	2⅜ Tubing	2380	-0-
Cement	2300	2200			
Gel	2200	1950	5 ½ Csg	1909	194
Cement	1950	1850			
Gel	1850	1150	7 Csg Shot	1092	
Cement	1150	1050		596	
Gel	1050	650		302	
Cement	650	550		108	
Gel	550	350	7 Csg	108	1822
Cement	350	250			
Gel	250	100			
Cement	100	-0-			

Description of monument: 5 ½ Csg 5 ft long and that the work of plugging and filling said well was completed on the 16 day of July, 1999

And further deponents saith not.

Sworn and subscribe before me this 19 day of July, 1999

My commission expires: December 24, 2007

Zelma M. Meadows
Notary Public

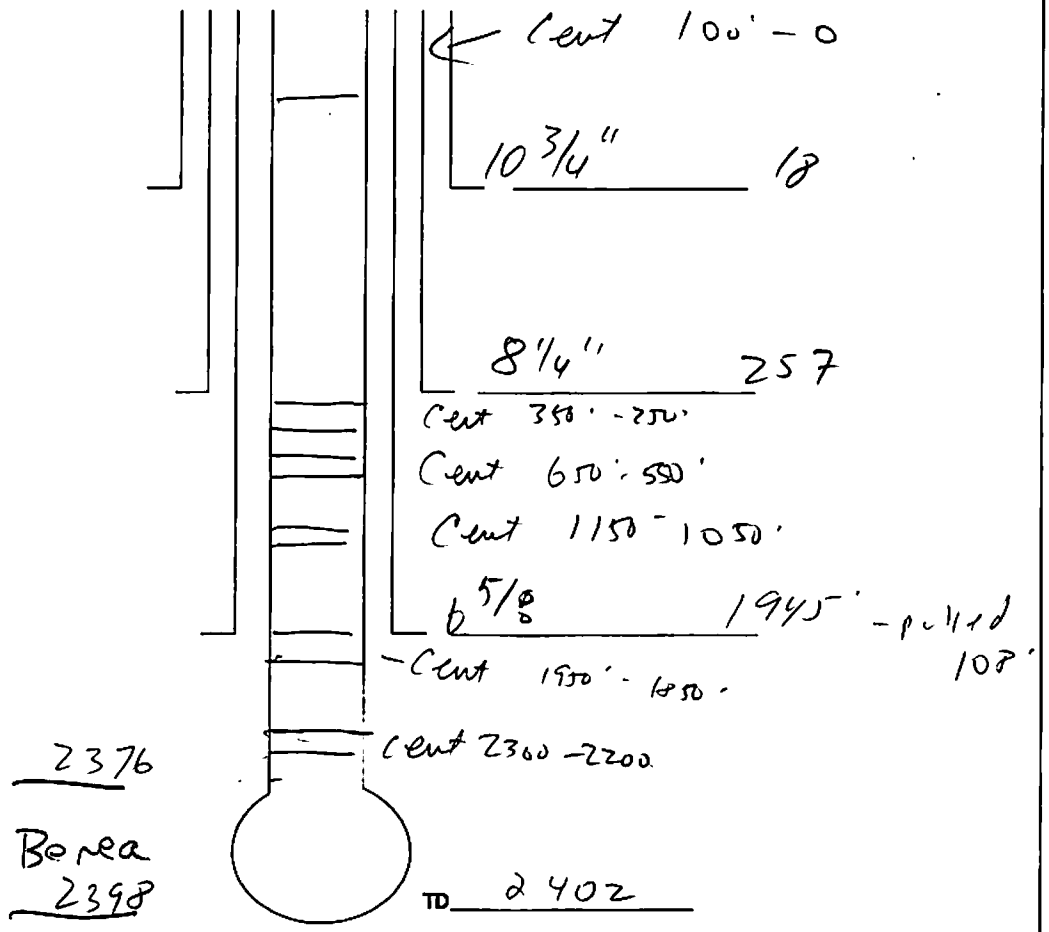
Rod Dillon
Oil and Gas Inspector

Official Seal
Notary Public, State of West Virginia
Zelma M. Meadows
Route 2, Box 22
Ravenswood, WV 26164
My commission expires December 24, 2007

Stephenson et al 3

Griffithsville Unit #2 Field

47-043- 00333



From Drillers Records/Plugging Records

Pulled 1909' 5½" csng
left 194'
Unable to pull 6 5/8" csng
Perforated

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

382

AOR - Well Review Checklist

API Number: 47- 00354 Area Permit Number: 2R AP
Operator Name: H G Energy
Operator's Well #: 4
Farm Name: Stephenson, et al
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: 4240
Completion Zones: Devonian Shale Perforated Interval: 2993 - 4150

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,836 Northing: 4,235,842
Elevation: 310
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:

Converted off Berea Shale prior to DD
Drilled Deeper to shale - Centred
4 1/2" Csng over shale

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 - 00354

47-043-00354

Map 124-W

No. 75031 Acres 64 Farm Name Stephenson Et-al Well No. 4

8-12-W Waters of Bad Fork of Williams Forks of Tanyard

S.80 E. W. 75 Location Made Purchased From

District Duval Rig Completed Furnished by Con't Date Purchased

nty Lincoln Dr'g Commenced May 14-42 Sold To

e West Va Dr'g Completed July 18-42 Date Sold

Rights Owned By Dr'g Contractor Elkins Drlg Co Date Abandoned

FORMATION Elev. 1026.03

Kind	Top	Bottom	Steel Line Measurement	Tests
rface	0	18		
nd	18	35		
d Rock	35	110		
ue Slate	110	135		
d Rock	135	320		
ue Slate	320	360		
ing 8¼"		360		
nd	360	385		
ue Slate	385	525		
ite Sand	525	586		
ter		560		5 Bailer per Hr.
ue Slate	585	608		
ite Sand	608	632		
ue Slate	623	743		
ite Sand	743	820		
l & Shell	820	946		
ite Sand	946	978		
l & Shells	978	1225		
lt Sand	1225	1762		
ter		1241		Hole full
late	1762	1766		
lt Sand	1766	1798		
lack Slate	1788	1796		
ittle Lime	1796	1828		
ncil Cave	1828	1831		
g Lime	1831	3008		S.L. 2008
s		1908		10/10W-4" blew out after
sing 6-5/8"		1925		pulling 8¼" Pipe to shut off Water
g Injun	2008	2060		
l & Shell	2060	2158		
rd Shell	2158	2245		
l & Shells	2245	2485		
offie Shale	2485	2507		
rca	2507	2529		
s		2511		
l	2513	2518		
otal Depth		2531		S.L.

al Prod.	Sand	* At Completion	* 30 Days After	*
l	Berea	17 Bbls.	Wk.	

CASING RECORD

Size	Bottom Casing (Steel Line)	Put in Well (Tally Meas.)	Pulled (Tally Meas.)	Cemented
8¼"		359		Date
6-5/8"		1934		Size Csg.
				Top "
g" U.E.		2520'		Bot. "

PACKERS AND SHOES

Kind	Size	Depth Set	Date Set

TORPEDO RECORD

Date	No. Qts.	Size Shell	Top Shot	Bottom	Results
7-29-42..	90	6'--6"	2510	2529'	Open S
8-13-42.	110	Do.	2505	2529	Bomb S

Office of Oil & Gas Permitting

AUG 11 2003

DRILLING DEEPER

Commenced	Completed	Original Depth	Final Depth	Contractor

ABANDONMENT RECORD

Filled With	From	To	PLUG Size	PLUG Kind	PLUG Depth

WR-35

17-Sep-03

API # 47 043 0354

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: ROWH, MAX A. Operator Well No.: STEPHENSON 4

LOCATION: Elevation: 1,026.03 Quadrangle: GARRETT'S BEND 7.5'

District: DUVAL County: LINCOLN
Latitude: 1,900 Feet south of 38 Deg 15 Min 0 Sec.
Longitude: 5,350 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: 09/17/03
Well work Commenced: 01/05/04
Well work Completed: 01/29/04
Verbal plugging
permission granted on:
Rotary X Cable Rig
Total Depth (feet) 4240
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 8 1/4"	359'	359'	existing
6 5/8"	1934.00'	1934.00'	existing
4 1/2"	4196.80'	4196.80'	85 sks

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 2993-4150
Gas: Initial open flow 0 MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 45 MCF/d Final open flow * Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock pressure 254 psig (surface pressure) after 72 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.

Stephenson et al #4
47-045-00334

Treatment : Treated perforations 3678' -4150' w/ 250 gals 15% HCL, 562 Bbls variable quality foam and 51,000# 20/40 sand

Treated perforations 2993' -3557' w/ 250 gals 15% HCL, 550 Bbls variable quality foam and 51,000# 20/40 sand

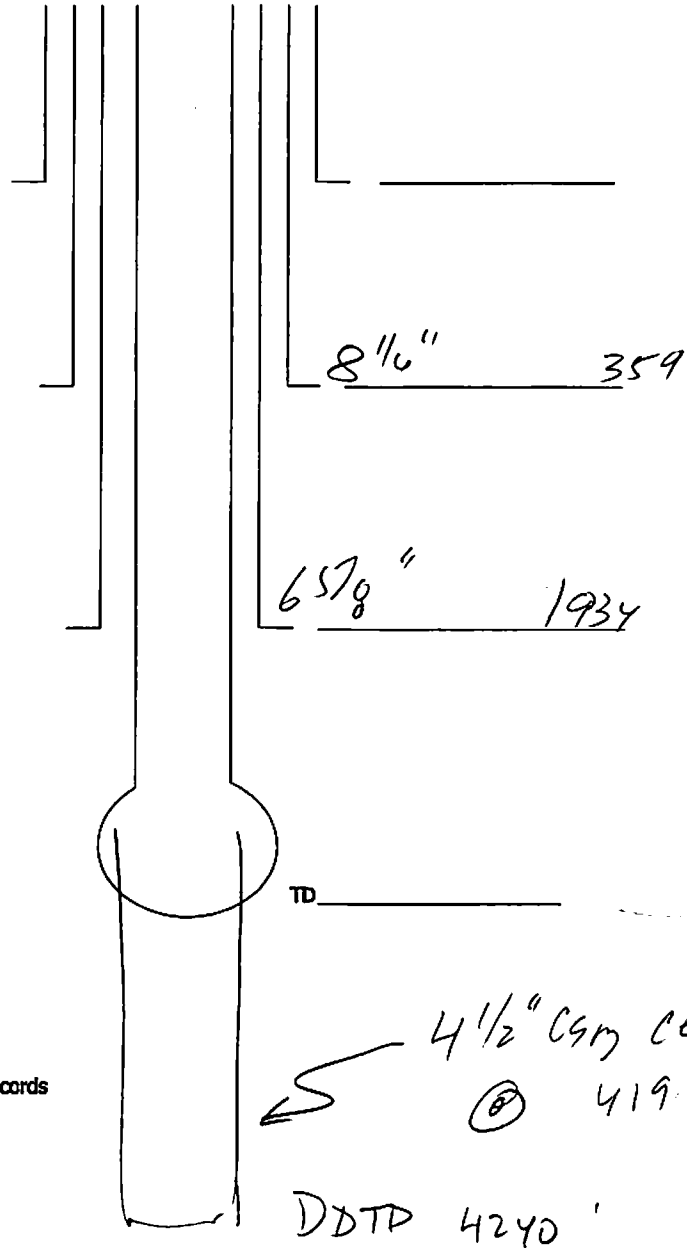
Well Log :

2531		original TD
2531	4240	Devonian Shale

Stephenson, et al 4

Griffithsville Unit #2 Field

47-043- 00354



From Drillers Records/Plugging Records

FORM 99-B

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30396

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.

Jos. Linkous — COAL OPERATOR OR OWNER
(If any) Yawkey, W. Va. — ADDRESS

COAL OPERATOR OR OWNER
ADDRESS

Jos. Linkous — LEASE OR PROPERTY OWNER
Yawkey, W. Va. — ADDRESS

South Penn Natural Gas Co. — NAME OF FIELD OPERATOR
Union Trust Bldg., Parkersburg, W. Va. — COMPLETE ADDRESS

January 15, 194 2. — WELL AND LOCATION
District
County
Well No. 23
Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin Hall

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Lincoln } ss:

Arlie Satterfield and Wallace Hart 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 28th day of November, 194 5 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	2485	2443	7"	1785	None
	Cement	2443	2433			
Big Injun and Big Lime	Bridge	2040				
	Clay	2040	1795			
	Cement	1795	1785			
Little Lime	Clay	1785	1725			
	Cement	1725	1715			
Salt Sand	Clay	1715	1130			
	Cement	1130	1120			
	Bridge	935				
	Clay	480	To Surface			
COAL SEAMS				DESCRIPTION OF MONUMENT		
(Name)	Cement	533	480	6-5/8" Casing extending 3' above surface, set in concrete, with the inscription Sym000. Matthew Spurlock No. 23 12-28-45.		
(Name)						
(Name)						
(Name)						

and that the work of plugging and filling said well was completed on the 28th day of December, 194 5.

And further deponents saith not.

Arlie Satterfield
Wallace Hart

Sworn to and subscribed before me this 18th day of January, 194 6.

Notary Public.

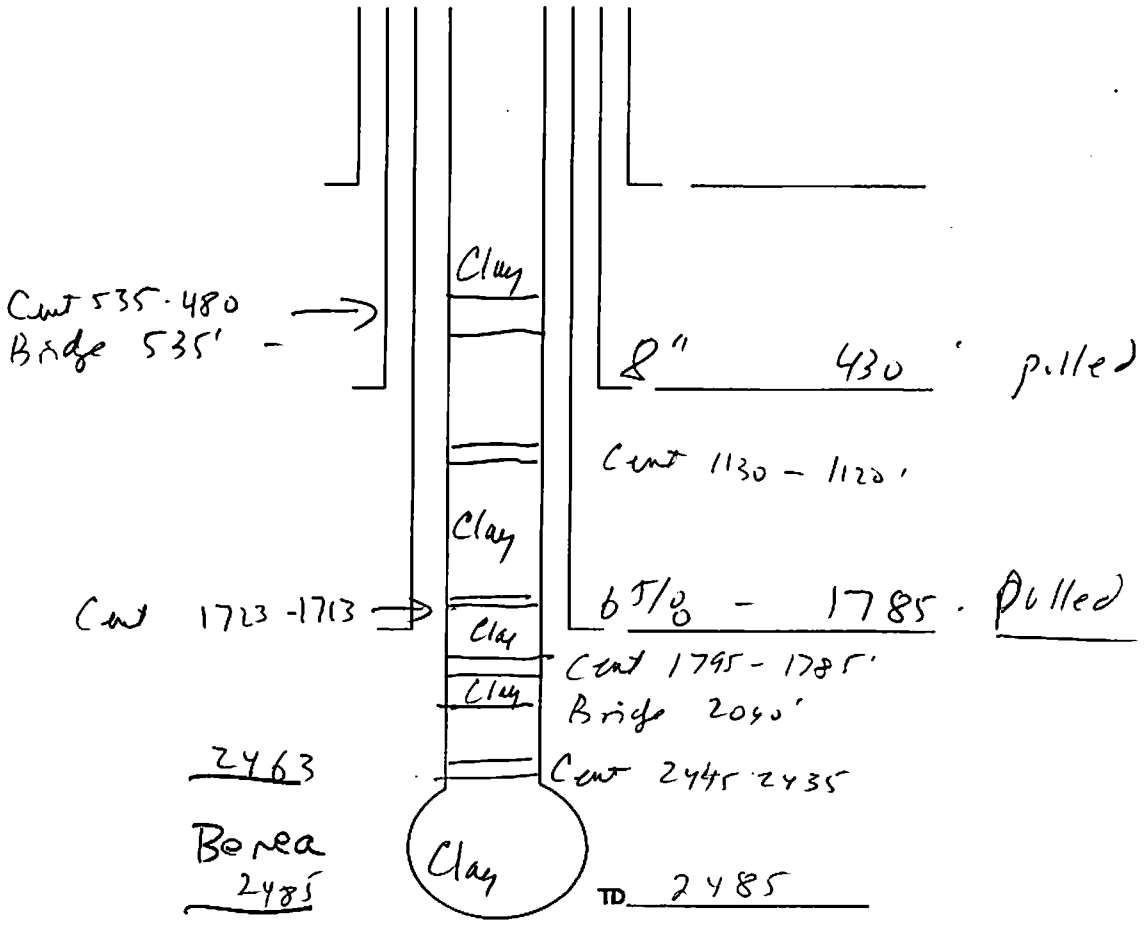
My commission expires 7-1947

Permit No. 043-396

M Sparlock 23

Griffithsville Unit #2 Field

47-043- 30 396



From Drillers Records/Plugging Records

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

375

AOR - Well Review Checklist

API Number: 47- 043 - 30532 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 24

Farm Name: M Spurlock

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: 2495

Completion Zones: Berea. Perforated Interval:

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

Easting: 415,092 Northing: 4,233,247

Elevation: 297

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.*

47-043-30532

RECORD of Well No. 24 on W. Gunlock Farm Acres

Field, District County

Rig Commenced 19, Completed 19

Drilling Commenced May 11 1914, Completed March 5 1915

Cost per foot, 11⅝ Contractor, Berger Drilling Co. Address, Jarvisburg W. Va.

Drillers' Names J. B. Walsh & A. E. Brothers

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
12				445'		1811				

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
12				—		1811				

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
3/5/15	80 Qts.									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Coal	340	344	4	Reamed hole from 10" to 8"
Coal	500	503	3	445'
Coal	585	587	2	
Salt Sand	1156	1763	607	2 Bailer water at 585'
Little Lime	1763	1797	34	
Berea Sand	1797	1803	6	-El= 30 Qts.
White Sand	1803	1980	177	Hole full of salt water
Injun Sand	1980	2030	50	at 1196'
Slate	2030	2080	50	
Mixed	2080	2250	170	
Slate	2250	2460	210	
Brown Shale	2460	2467	7	Completed 7' in Brown
3/5/15 " "	2467	2474	7	Shale on June 24-1914
Berea Sand	2474	2495	21	

47-043-30532

FORM GO-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 THIS 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

Parkersburg, W. Va.
ADDRESS

NAME OF WELL OPERATOR: C. R. DeLay

COMPLETE ADDRESS: P. O. Box 49 Hamlin, W. Va.

WELL AND LOCATION: January 814, 1949

Duval District

Lincoln County

South Penn Natural Gas Co.

Well No. 24

Matthew Sprulock 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 7 day of December, 1948, and that the well was plugged and filled in the following manner:

CASING OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATIONS	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
	Permanent Bridge	2459	2454			
	Cement	2454	2444			
	Stone	2444	2439			
	Clay	2439	1850			
	Cement	1850	1840			
	Stone	1840	1835		1811	6-5/8" O. D.
	Pulled Casing loose and but as hole was filled				1522	5-3/16" O. D.
	Permanent Bridge	1305	1300			
	Cement	1300	1290			
	Stone	1290	1285			
	Clay	1285	1136			
	Cement	1136	1126			
	Permanent Bridge	355	350			
	Cement	350	340			
	Stone	340	335			
COAL SEAMS	Filled with clay to surface.			DESCRIPTION OF MONUMENT: 18"X18"X30" Concrete Block		
(NAME)				December 11, 1948		
(NAME)						
(NAME)						

and that the work of plugging and filling said well was completed on the 11 day of December, 1948

And further deponents saith not.

Guadalupe Saenz

C. R. DeLay

Sworn to and subscribed before me this 11 day of January, 1949

John C. Cartwright
Notary Public.

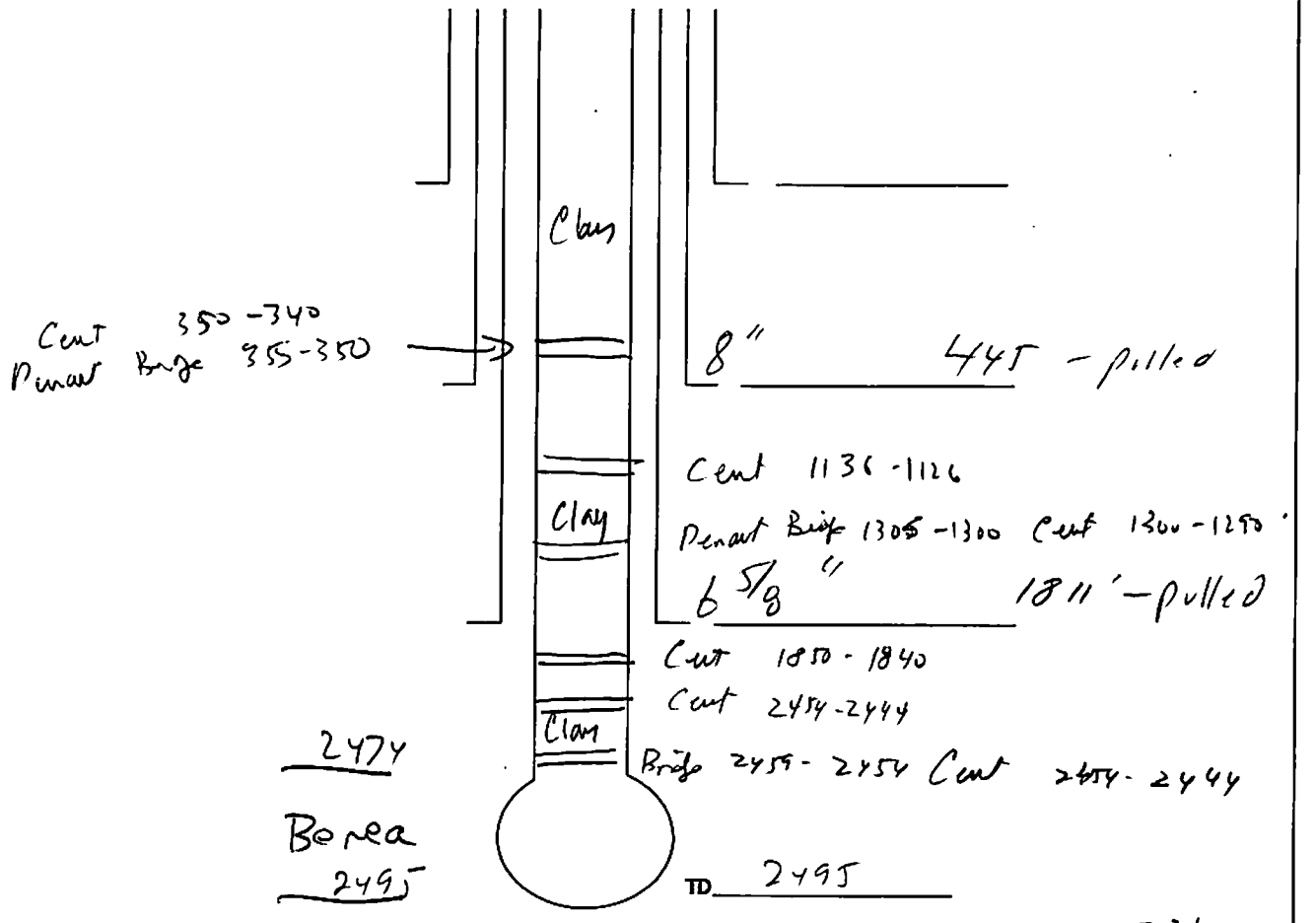
Permit No. [illegible]532

My commission expires: July 2 1954

M Spurlock 24

Griffithsville Unit #2 Field

47-043- 30532



From Drillers Records/Plugging Records

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

AOR - Well Review Checklist

(376)

API Number: 47- 043 - 3078c Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 25

Farm Name: M Spurlock

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: 2345

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,952 Northing: 4,233,364

Elevation: 255

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.*

47-043-30786

RECORD of Well No. 25 on W. Shattuck Farm Acres Gillette

Field, Denal District Lincoln County

Rig Commenced 19 , Completed 19

Drilling Commenced Apr 15 1916, Completed May 12 1916

Cost per foot, 1½ Contractor, Bone Drl Co. Address, Glenville, W. Va.

Drillers' Names J. W. English & A. P. Brockett

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						1650				

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						1650				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
5/16/16	80 qts.			

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Clay		16	16	El = 8
Red Rock	16	30	14	
Slate	30	60	30	Water to drill with at 430'
Sand	60	110	50	
Slate	110	175	65	Reduced hole from 10" to 8" at
Sand	175	225	50	440'
Slate & Sand	225	430	205	
Coal	430	433	3	
Slate	433	445	12	Hole full Salt water at 1090
Sand	445	500	55	
Slate	500	575	75	
Sand & Slate	575	975	400	
Slate & Shells	975	1030	55	
Salt Sand	1030	1610	580	
Black Lime	1610	1638	28	
Pencil Cave	1638	1645	7	
Big Lime	1645	1830	185	
Keener Sand	1830	1880	50	
Slate	1880	2030	150	
Shells	2030	2155	125	
Slate	2155	2305	150	
Brown Shale	2305	2325	20	
Berea Grit	2325	2345	20	

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30786

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THIS 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
LESSEE OR PROPERTY OWNER
ADDRESS

G. S. & H. Supply
NAME OF WELL OPERATOR
Box 895 Tulsa, Okla.
COMPLETE ADDRESS

July 19 1949
WELL AND LOCATION
Naval District
Lincoln County
Well No. 25
M. Synclock Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana K. Inman

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Julia Lancaster and Leslie Clement 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 G. S. & H. Supply Co. contractor, and participated in the work of plugging and filling the above well, that said work was commenced on the 24th day of June, 19 49, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL CONTENT	FROM	TO
	Cement & rock	2295	2290
	Clay	2290	2200
	Cement	2200	2190
	Cement & rock	1880	1865
	Clay	1865	1680
	Cement & rock	1680	1665
	Cement & rock	1150	1135
	Clay	1135	1030
	Cement & rock	1030	1015
	Cement & rock	250	235
	Clay	235	surface

PLUGS USED	CASING PULLED	CASING LEFT IN
SIZE & KIND		
6-5/8"	1658	0

COAL DEPTHS
(Name)
(Name)
(Name)

DESCRIPTION OF MONUMENT
Cement block
G. S. & H. Supply
M. Synclock 25
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.

Julia McClure
Leslie McClure

Sworn to and subscribed before me this 12 day of July, 19 49

J. R. Oates
Notary Public.

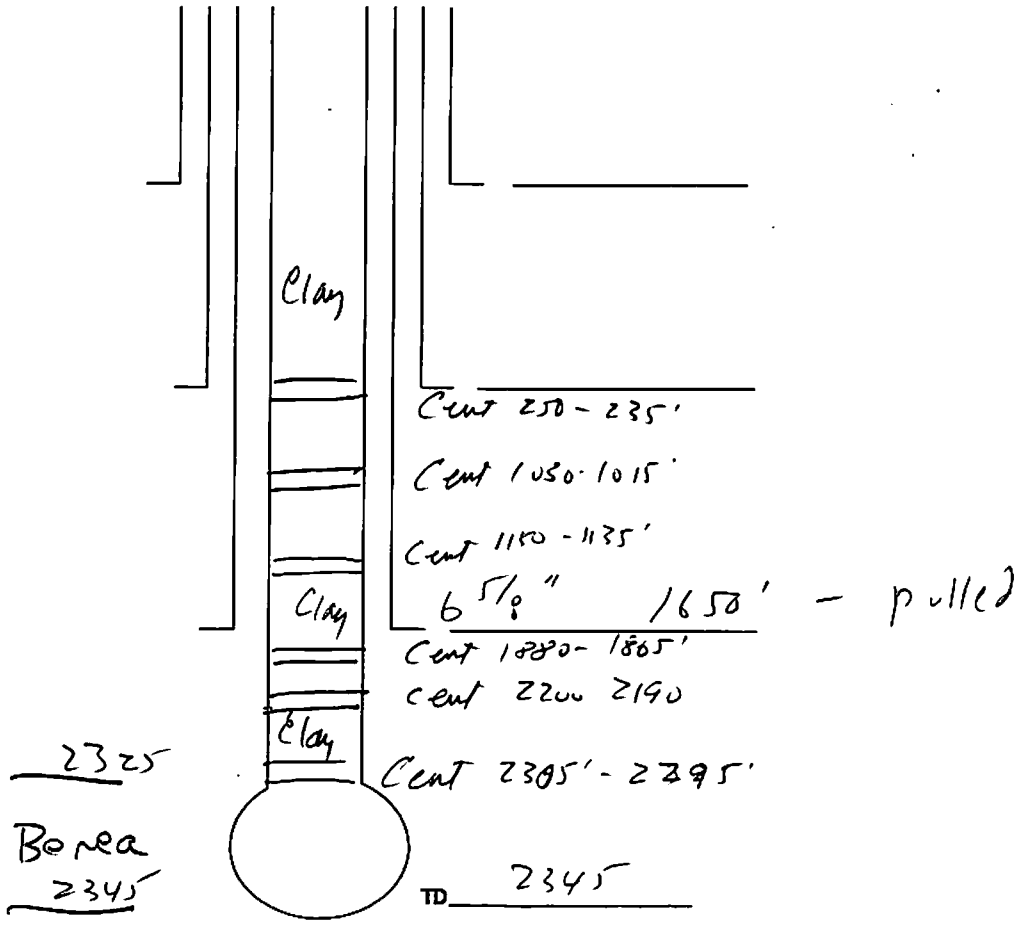
My commission expires:
10-9-57

Permit No. LIN-786

N Sparlock 25

Griffithsville Unit #2 Field

47-043- 30786



From Drillers Records/Plugging Records

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

377

AOR - Well Review Checklist

API Number: 47- 043 - 30890 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 26

Farm Name: M Sprouse

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: 2340

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,825 Northing: 4,233,475

Elevation: 253

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.*

47-043-30890

RECORD of Well No. 26 on W. J. Sherlock Farm Acres
Field, Griffithsville District Duval County Lincoln
Rig Commenced 19 Completed 19
Drilling Commenced Aug. 14 1916 Completed Sept 16 1916
Cost per foot, 1.15 Contractor, Boone Drilling Co. Address,
Drillers' Names J.W. English A. P. Brookover

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
12				435'		1650				

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
12						1650				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods		Size of Packer	Depth Set
9/18/16	80qts						

GAS WELL

Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Clay		12	12	
Sand	12	20	8	
Red Rock	20	60	40	
Sand	60	120	60	
Red Rock & Slate	120	300	180	
Sand	300	420	120	
Coal	420	423	3	
Slate	423	435	12	
Sand	435	635	200	
Slate	635	725	90	
Sand	725	800	75	Hole full salt Water 1070'
Slate	800	910	110	
Sand	910	950	40	
Slate	950	1020	70	
Salt Sand	1020	1580	560	
Slate	1580	1605	25	
Black Lime	1605	1638	33	
Pencil Cave	1638	1645	7	
Big Lime	1645	1830	185	
Injun Sand	1830	1880	50	
Slate	1880	2000	120	
Shells	2000	2150	150	
Slate	2150	2300	150	
Brown Shale	2300	2318	18	
Brn Lime & Sh	2318	2340	22	

47-043-30890

FORM CO-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

WELL AND LOCATION
November 20, 19 50
District: Duval
County: Lincoln
Well No. 23 - 26
Farm: Mathew Jr. Clark

STATE INSPECTOR SUPERVISING PLUGGING: J. M. Lucas

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Lincoln } ss:

Kelly Roberts 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 13 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	2320'		6-5/8"	1650'	None
	Neat Cement	2320'	2310'	2"	2334'	None
	Crushed Stone	5'				
	Clay		1680'			
	Neat Cement	1633'	1670'			
	Crushed Stone	5'				
	Bridge Set At	1253'				
	Neat Cement	1253'	1240'			
	Crushed Stone	5'				
	Clay		1222'			
	Neat Cement	1333'	333'			
	Crushed Stone	5'				
	Bridge Set At	433'				
	Neat Cement	433'	373'			
	Crushed Stone	5'				
COAL SEAMS	Clay To Surface			DESCRIPTION OF MONUMENT: Erected Marker According Rule 18, 1951 Regulations		
(name)						
(name)						
(name)						

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

And further deponents saith not.

Kelly Roberts
W. E. Pack

Sworn to and subscribed before me this 1st day of December, 1950.

Notary Public.

Permit No. LIN-370

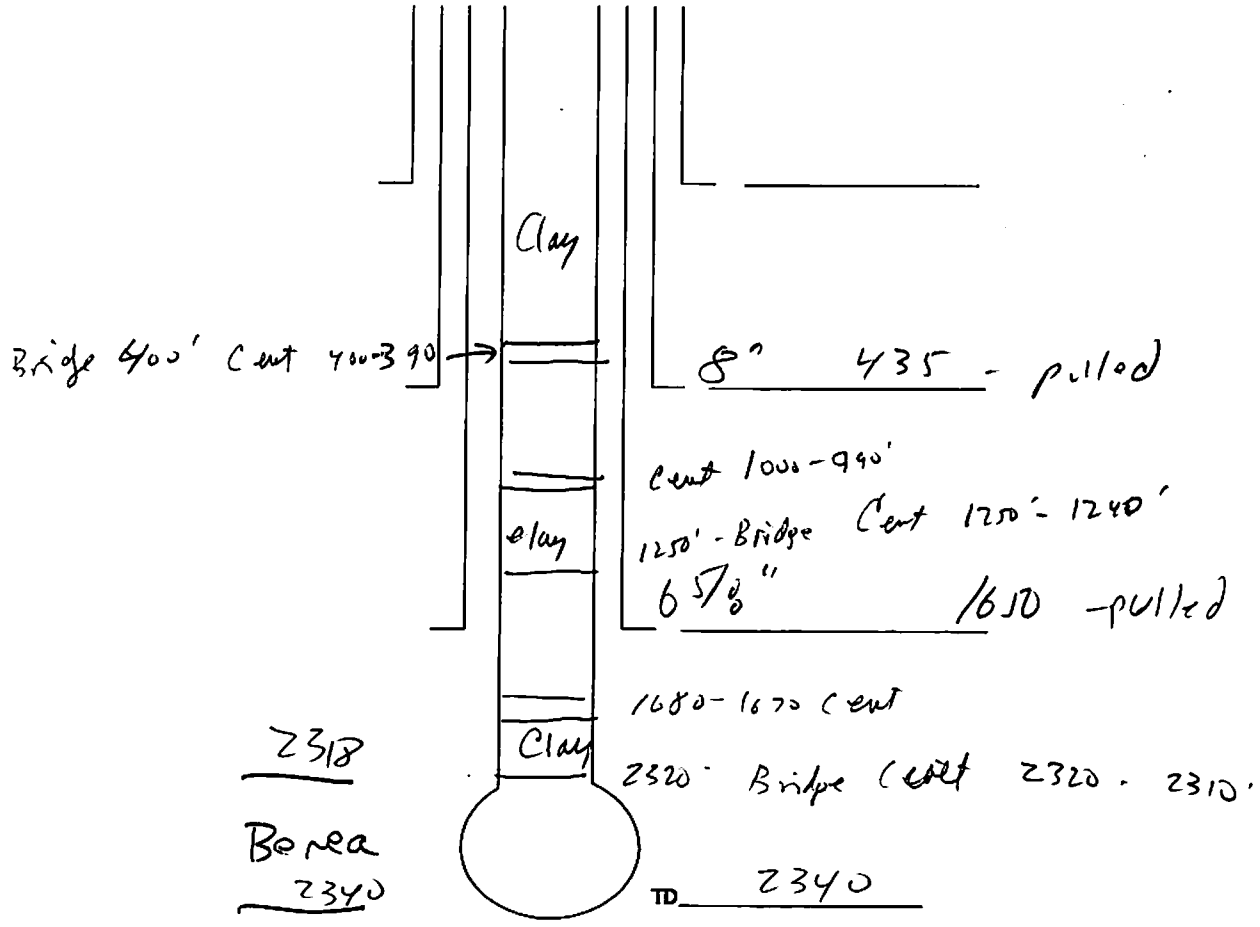
My commission expires: August 1, 1957

DEC 1950

N Spurlock 26

Griffithsville Unit #2 Field

47-043- 30890



From Drillers Records/Plugging Records

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

378

AOR - Well Review Checklist

API Number: 47- 043 - 30533 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 27

Farm Name: M Spurlock

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: 2228

Completion Zones: Berea. Perforated Interval:

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

Easting: 414,764 Northing: 4,233,323

Elevation: 221

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.*

47-043-30533

RECORD of Well No. 27 on W. J. Sinclair Farm Acres

Field, District County

Rig Commenced 19 ; Completed 19

Drilling Commenced May 23 1916, Completed June 22 1916

Cost per foot, 11s Contractor, Bonne Drilling Co. Address, Glenville, W. Va.

Drillers' Names J. W. English, A. P. Brohom

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅜ Inch	6⅝ Inch	6¼ Inch	5⅜ Inch	5 3-16-Inch	4⅜ Inch
9				322		1535				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7⅜ Inch	6⅝ Inch	6¼ Inch	5⅜ Inch	5 3-16 Inch	4⅜ Inch
9						1535				

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
7/23/16	80 qts									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		7	7	
Sand	7	57	50	Hole full water at 30'
Slate	57	125	68	
Sand	125	300	175	
Coal	300	303	3	
Sand	303	350	47	
Slate	350	400	50	
Sand	400	520	120	Hole full fresh water at 450'
Slate	520	600	80	
Sand	600	700	100	
Slate	700	820	120	
Sand	820	850	30	
Slate & Shells	850	900	50	
Salt Sand	900	1455	555	
Slate	1455	1485	30	
Black Lime	1485	1520	35	
Pencil Cave	1520	1530	10	
Big Lime	1530	1725	195	
Injun	1725	1775	50	
Slate	1775	1925	150	
Shells	1925	2050	125	
Slate	2050	2190	140	
Brown Shale	2190	2209	19	
Berea Grit	2209	2228	19	

FORM OG-6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30533

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. R. DeLay
COMPLETE ADDRESS: P. O. Box 49 Hamlin, W. Va.
WELL AND LOCATION: January 14, 1949 — 19
District: Duval
County: Lincoln
Well No. 27
Farm: Matthew Brylook

STATE INSPECTOR SUPERVISING PLUGGING: D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

I, C. R. DeLay, and Rohtol 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. DeLay, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 16 day of November, 1948, and that the well was plugged and filled in the following manner:

GAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FROM	TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CSG LEFT IN
	Permanent Bridge	2194	2189			
	Cement	2189	2179			
	Stone	2179	2174			
	Clay	2174	1570			
	Cement	1570	1560			
	Stone	1560	1555		1535	6-5/8" O.D.
	Pulled casing loose and cut as hole was filled				1588	5-3/16
	Permanent Bridge	1255	1250			
	Cement	1250	1240			
	Stone	1240	1235			
	Clay	1235	880			
	Cement	880	870			
	Permanent Bridge	355	350			
	Cement	350	340			
	Stone	340	335			
COAL GRADE	Filled with clay to surface			DESCRIPTION OF MONUMENT: 18"X18"X30" Concrete Block		
(FEET)				November 19, 1948		
(FEET)						
(FEET)						

and that the work of plugging and filling said well was completed on the 19 day of November, 1948

And further deponents saith not.

C. R. DeLay
Rohtol Wade

Sworn to and subscribed, before me this 18 day of January, 1949

Just C. Cartwright
Notary Public.

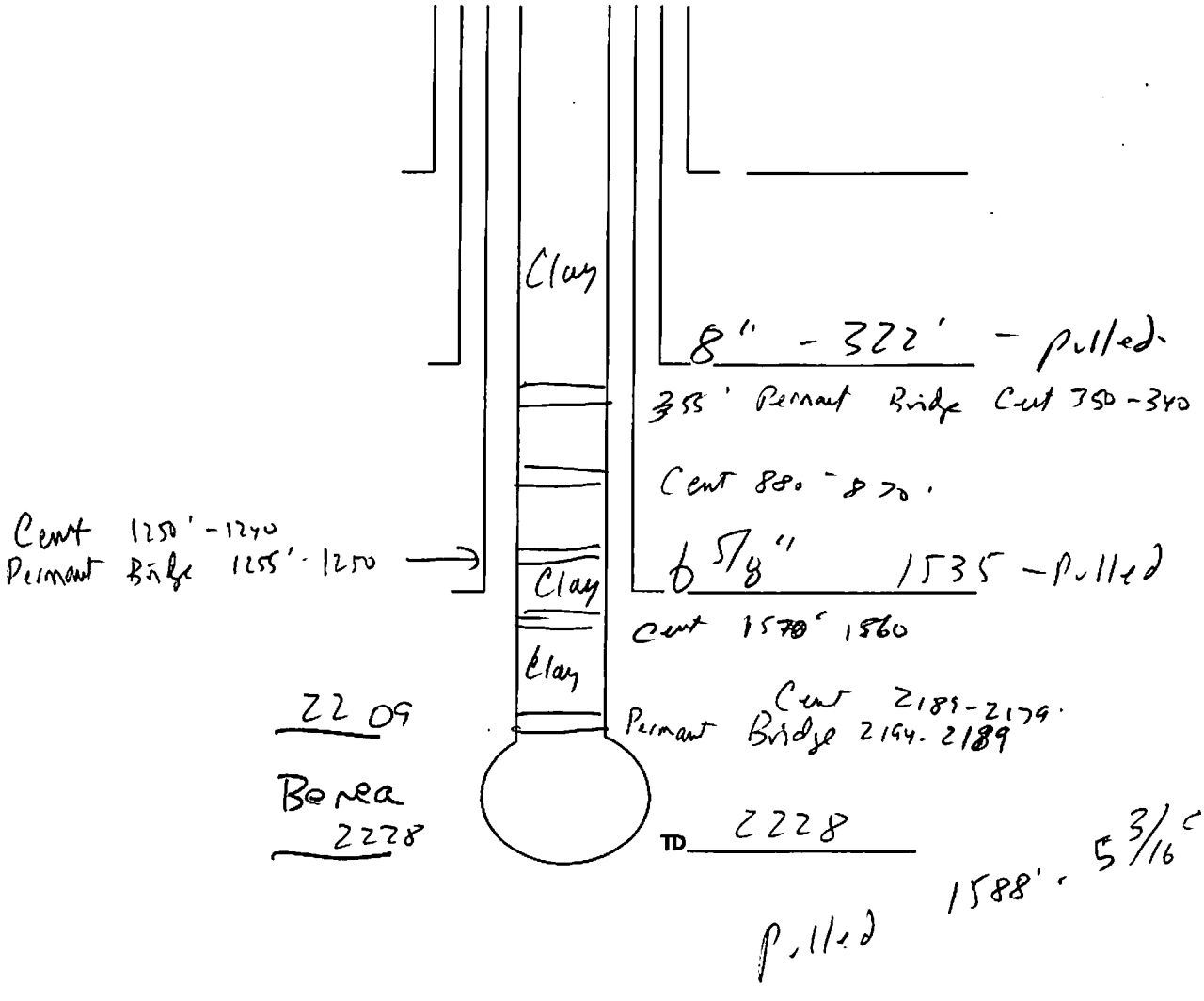
My commission expires: July 2, 1951

Permit No. [illegible]

M Spurlock 27

Griffithsville Unit #2 Field

47-043- 30523



From Drillers Records/Plugging Records

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

(379)

AOR - Well Review Checklist

API Number: 47- 043 - 02193 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 1
Farm Name: Stephenson, et al
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: 2516
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,460 Northing: 4,235,848
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.*

47-043-02193

Production First 24 Hours from { Berea Sand Bbls. / Sand Bbls. } Approved. By Supt.

Stephenson, etal, Farm, No. of Lease, No. Acres.

Duval District, Lincoln County, W. Va. State.

Well No. 1, #210. Date of Location April 7th, 1920

Rig Commenced June 14th, 1920 / Rig Completed June 25th, 1920 } Eddystone Oil Corp. Contractor.

Drilling Commenced July 8th, 1920 / Drilling Completed August 10th, 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	404	2	365						365				39	2
6-5/8	1909	6	1851						1851				58	6

Formation	Top	Bottom	Thickness
Conductor		16	
Sand	16	50	
Red Mud	50	325	
Sand	325	375	
Slate	375	425	
Lime	425	450	
Sand	450	600	
Slate	600	700	
Lime	700	750	
Sand	750	900	
Slate	900	975	
Sand	975	1000	
Lime	1000	1025	
Slate	1025	1150	
Sand	1150	1160	
Slate	1160	1170	
Salt Sand	1170	1734	
Maxon	1734	1794	
Little Lime	1794	1820	
Penoil Cave	1820	1828	
Big Lime	1828	2006	
Big Injun	2006	2052	
Shells	2052	2215	
Slate	2215	2475	
Brown Shale	2475	2497	
Berea	2497	2516	
Total Depth.		2516	

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
8	25	20	60	14'	2500	2514
6	1	27	40	16'	-2499	2515

REMARKS:

6-5/8 X 8-1/4 B.H. Lead packer set at 1836'

ABANDONED

Size	Casing Pulled	Casing Left in	

REMARKS:

Water found at 1270'
Small show Gas 1988

El=1016.74

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.

47-043-02193

Farm name: Rowh, Max & Joselyn Operator Well No.: Stephenson etal #1

LOCATION: Elevation: 1018' Quadrangle: Garretts Bend 7.5'
District: Duval County: Lincoln
Latitude: Deg. Min. Sec.
Longitude Deg. Min. Sec.

Well Type: OIL X GAS ____

Company: East Resources Inc.
P.O. BOx 5519
Vienna, WV 26105

Agent: Michael McCown
Inspector: Larry Parrish
Permit Issued: 11/7/02

Coal Operator or Owner ____

Coal Operator or Owner ____

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood ss:

Terry Huffman and Bill 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 East Resources Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 19th day of January, 2003, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2472'	2318'		
Cement	1960'	1762'	5 1/2" 1515'	422'
Cement	1551'	1438'	7" 328'	1523'
Cement	1035'	914'		
Cement	828'	707'		
Cement	519'	397'		
Cement	150'	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 7th day of February, 2003

And furthur deponents saith not.

Terry Huffman
Bill Wade

Sworn and subscribed before me this 7th day of May, 2003

My commission expires: Oct. 4, 2006

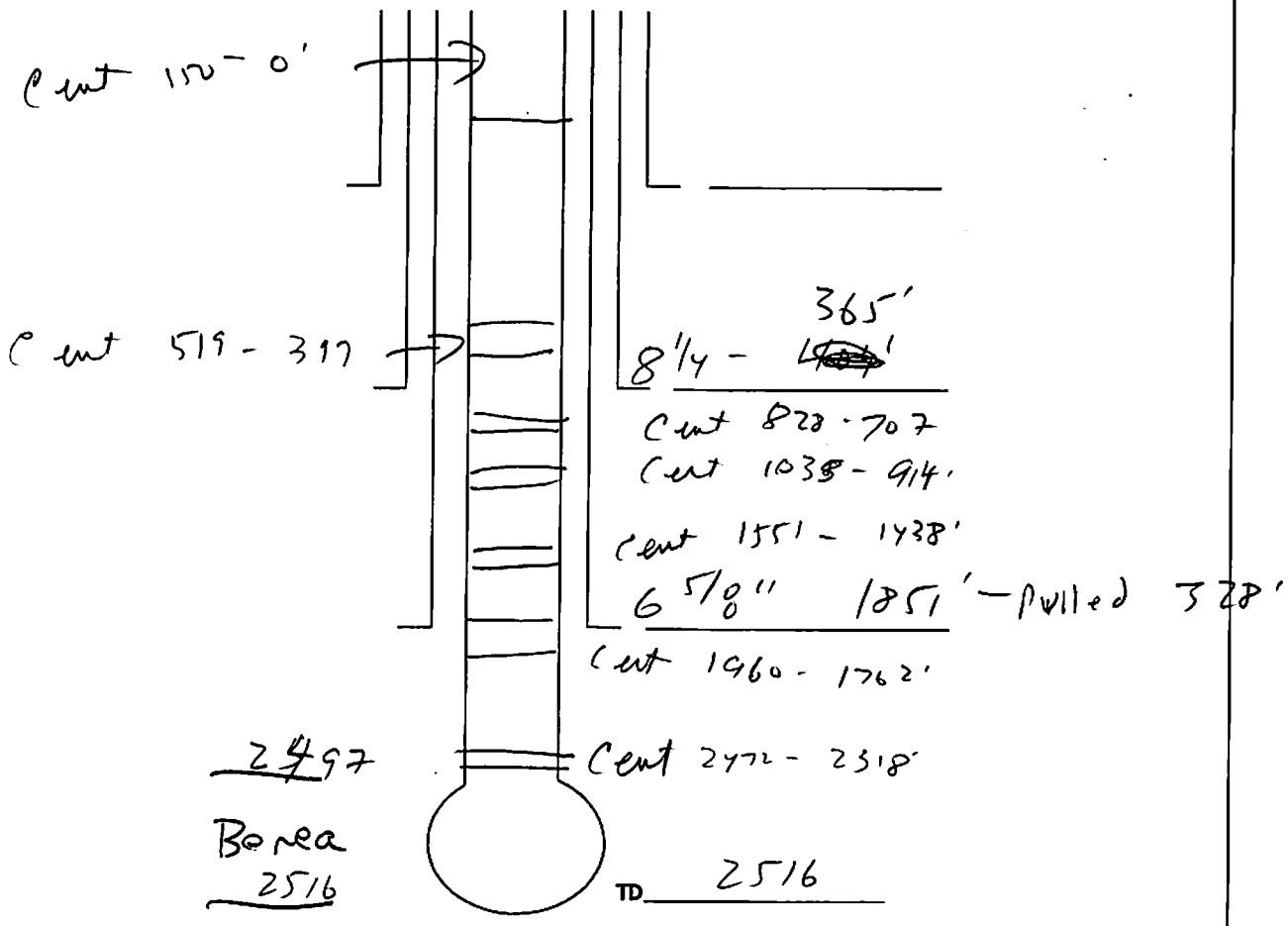
Donnie S. Dulaney
Notary Public

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
S. DIANNE DULANEY
P.O. Box 5519
Vienna, West Virginia 26105
My Commission Expires Oct. 4, 2006

Stephenson, et al /

Griffithsville Unit #2 Field

47-043- 02193



From Drillers Records/Plugging Records

Pulled 1515' 5 1/2" (est)
left 422'

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

380

AOR - Well Review Checklist

API Number: 47- 043 - 00232 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 2

Farm Name: Stephenson, et al

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: 417,546 Northing: 4,236,007

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.*

47-043-00232

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION.

WELL RECORD

Permit No. LIN-332

Oil or Gas Well OIL (Kind)

Company South Penn Oil Company
Address 411 Seventh Ave., Pittsburgh, Pa.
Farm Stephenson et al Acres 64
Location (waters) Road Fork
Well No. 2 Elev. 1017.60
District Duval County Lincoln
The surface of tract is owned in fee by W. L. Sanson Hrs
c/o Mrs. Caldona Sanson Address Garretts Bend, WVA
Mineral rights are owned by J. A. Holley Est. et al
c/o Charleston Nat'l Bank Address Charleston, W. Va.
Drilling commenced Sept. 28, 1937
Drilling completed Nov. 28, 1937
Date shot Nov. 27, 1937 Depth of shot 2501-2520
Open Flow /10ths Water in - Inch
/10ths Merc. in - Inch
Volume - Cu. Ft.
Rock Pressure - lbs. - hrs.
Oil 4 bbls., 1st 24 hrs.
Fresh water - feet - feet
Salt Water 1240 feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer -
13			
10			Size of -
8¼	359		-
6 5/8	2170		Depth set -
5 3/16			-
3			Perf. top -
2	2550		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
Soil				10			
Sand			10	60			
Red Rock			60	165			
Slate			165	170			
Red Rock			170	180			
Sand			180	220			
Red Rock			220	335			
Sand			335	356			
Slate			356	360			
Sand			360	425			
Slate & Shells			425	435			
Sand			435	450			
Slate & Shells			450	515			
Sand			515	640			
Slate			640	730			
Lime			730	755			
Sand			755	820			
Slate			820	890			
Sand			890	900			
Slate			900	935			
Sand			935	1130			
Lime			1130	1150			
Slate			1150	1160			
Lime			1160	1173			
Salt Sand			1173	1759	Salt Water	1240	
Maxon Sand			1759	1795			
Little Lime			1795	1823			
Pencil Cave			1823	1830			
Big Lime			1830	2006			
Big Injun			2006	2055			
Slate & Shells			2055	2250			
Slate			2250	2499			
Berea Sand			2499	2520			
Total Depth				2523			

JAN 1938
OIL AND GAS DIVISION OF MINES

(Over)

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.

47-043-00232

Farm name: Rowh, Max & Joselyn Operator Well No.: Stephenson, etal #2

LOCATION: Elevation: 1027' Quadrangle: Garretts Bend 7.5'
District: Duval County: Lincoln
Latitude: Deg. Min. Sec.
Longitude Deg. Min. Sec.

Well Type: OIL X GAS ____

Company: East Resources Inc.
P.O. BOx 5519
Vienna, WV 26105

Coal Operator or Owner ____

Agent: Michael McCown
Inspector: Larry Parrish
Permit Issued: 11/7/02

Coal Operator or Owner ____

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood ss:

Terry Huffman and Bill 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 East Resources Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 11th day of February, 2003, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
	2479'	2339'		
Cement	2204'	2084'	7" 829'	1341'
Cement	1207'	1082'	8" 157'	202'
Cement	895'	753'		
Cement	415'	293'		
Cement	275'	250'		
Cement	175'	0	Shot 7"twice @	1168' & 829'
Cement				
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 5th day of March, 2003.

And furthur deponents saith not.

Terry Huffman

Bill Wade

Sworn and subscribed before me this 7th day of May, 2003

My commission expires Oct. 4, 2006

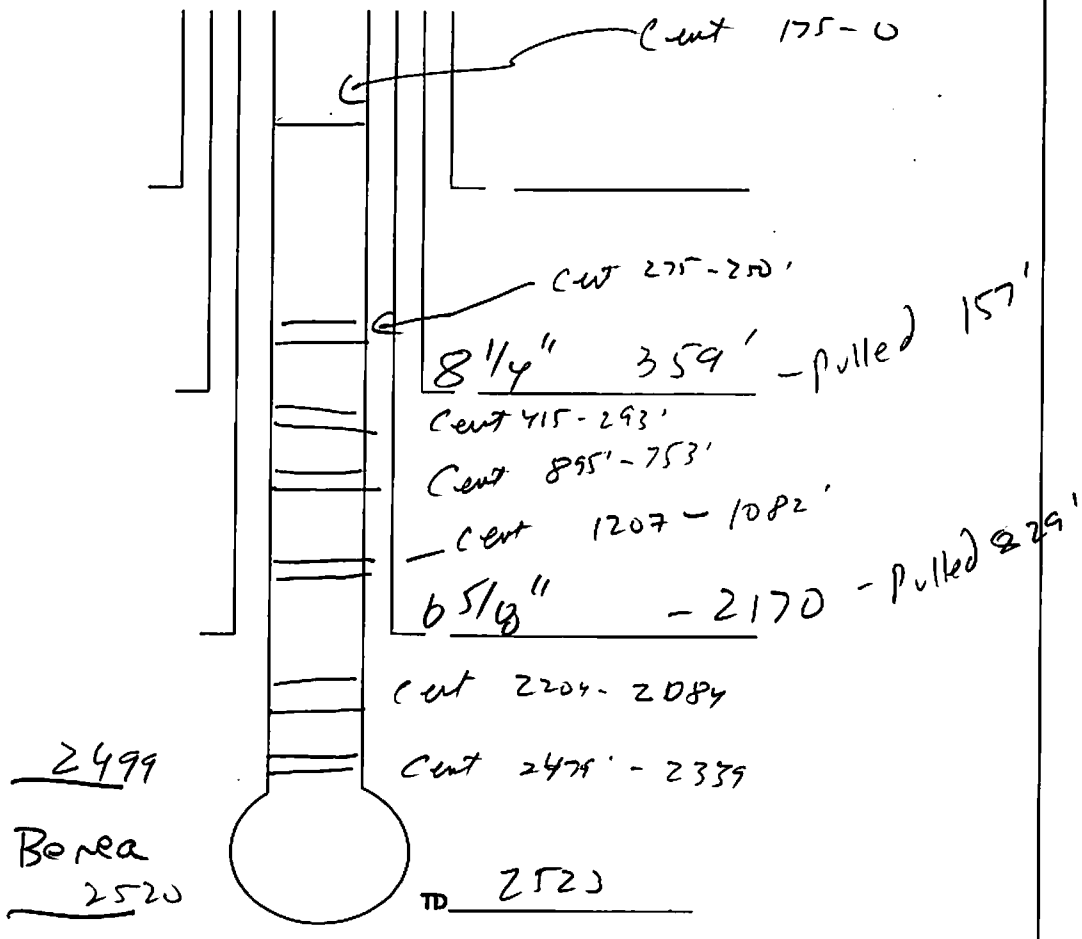
S. Dianne Dulaney
Notary Public

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
S. DIANNE DULANEY
P.O. Box 5519
Vienna, West Virginia 26105
My Commission Expires Oct. 4, 2006

Stephenson, et al 2

Griffithsville Unit #2 Field

47-043- 00252



From Drillers Records/Plugging Records

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

381

AOR - Well Review Checklist

API Number: 47- 043 -00333 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 3
Farm Name: Stephenson et al
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: ~~2394~~ 2402
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,714 Northing: 4,235,945
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:

M

Reviewer Name: Signature:
Date Reviewed:

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

47-043-00333

Well No. 3 Stephenson, et al. Farm Acres
Lease No. 75031 Sumo District Lincoln County W. Va. State
Elkins Drilling Co. Contractor Elkins Drilling Co. Contractor
Drilling Commenced 6-14-1941 Drilling Completed 8-15-1941
N. S. 79-80 E. W. 25 Elevation 894.89 Bar.

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Red Mud		40		
Coarse 10 3/4"		18		
Slate	40	95		
Red Rock	95	210		
Slate	210	237		
Sand	237	252		
Coarse 8 1/4"		257'-10"		
Slate & Shells	252	350		
Sand	350	500		
Slate	500	550		
Lime	550	570		
Slate	570	596		
Coal	596	600		
Slate & Shells	600	645		
Sand	645	705		
Slate	705	740		
Sand	740	800		
Slate	800	830		
Sand	830	875		
Slate	875	950		
Sand	950	1020		
Slate & Shells	1020	1100		
(Continued)				

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

47-043-00333

Well No. 3 Stephenson Est (Continued) Farm Acres
Lease No. Township District County State
Contractor Contractor
Drilling Commenced 19 Drilling Completed 19
N. S. E. W. Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Salt Sand	1100	1650		
Water		1110	Hole Full	
Slate	1650	1668		
Little Lime	1668	1698		
Pencil Cave	1698	1705		
Big Lime	1705	1885		
Keel		1790	Show	
Big Injun	1885	1940		
6 Casing @ 6 5/8"		1945'-8"	1930	D.L.
Slate & Shells	1940	2040		
Hard Shell	2040	2120		
Slate & Shells	2120	2354		
Brown Shale	2354	2376		
Berea	2376	2398		
Dig	2380	2392		
Total Depth		2402	2402	
Berea Core Drilled				
Berea Sandstone	2376	2378		
Hd. Fine Sandstone	2378	2383		

(Continued Below)

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

47-043-00333

Well No. 3 Stephenson et al (Continuing from atom) Acres
Lease No. Township District County State
Contractor Contractor
Drilling Commenced 19 Drilling Completed 19
N. S. E. W. Elevation

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Gray Sandstone	2383	2386'-4"		
Gray Shale	2386'-4"	2386-7"		
Gray Sandstone	2386.7	2391.7		
Gray Shale	2391.7	2391.8		
Lit. Brn. Sandstone	2391.8	2398.		
Gray Shale	2398.	2399.5		

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT.

	Put in Well		Pulled Out		Left in Well		Shot Date 8-19-41	9-8-41
Size	Feet	In.	Feet	In.	Feet	In.	Amount 75 Qts.	120 Qts.
10 3/4"	18						Sand 2378-2398	2397-2098
8 1/4"	257	10					Result Bomb Shot	Bomb Shot
6 5/8"	864	8						
6 5/8"	1081						Packer Size	
2" Conv.	2334							
2" Conv.	13-						Depth Set	

Production First 24 Hours 30 Bbls. Gas Test

Approved by L. N. Crummett Superintendent

WR-38
26-May-

API # 47-43-00333-P

RECEIVED
Office of Oil and Gas
JUL 27 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: Rowh, Max
Operator Well No.: Stephenson # 3
LOCATION: Elevation: 894.00 Quadrangle: Garretts Bend
District: Duval County: Lincoln
Latitude: 8700 Feet South of 38 Deg. 17 Min. 30 Sec.
Longitude 6850 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 9 day of July, 1999, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED		LEFT
Gel	2402	2300	2" Tubing	2380	-0-
Cement	2300	2200			194
Gel	2200	1950	5 ½ Csg	1909	
Cement	1950	1850			
Gel	1850	1150	7 Csg Shot	1092	
Cement	1150	1050		596	
Gel	1050	650		302	
Cement	650	550		108	
Gel	550	350	7 Csg	108	1822
Cement	350	250			
Gel	250	100			
Cement	100	-0-			

Description of monument: 5 ½ Csg 5 ft long and that the work of plugging and filling said well was completed on the 16 day of July, 1999

And further deponents saith not.

Sworn and subscribe before me this 19 day of July, 1999
My commission expires: December 24, 2007

Official Seal
Notary Public, State of West Virginia
Zelma M. Meadows
Route 2, Box 22
Ravenswood, WV 26164
My commission expires December 24, 2007

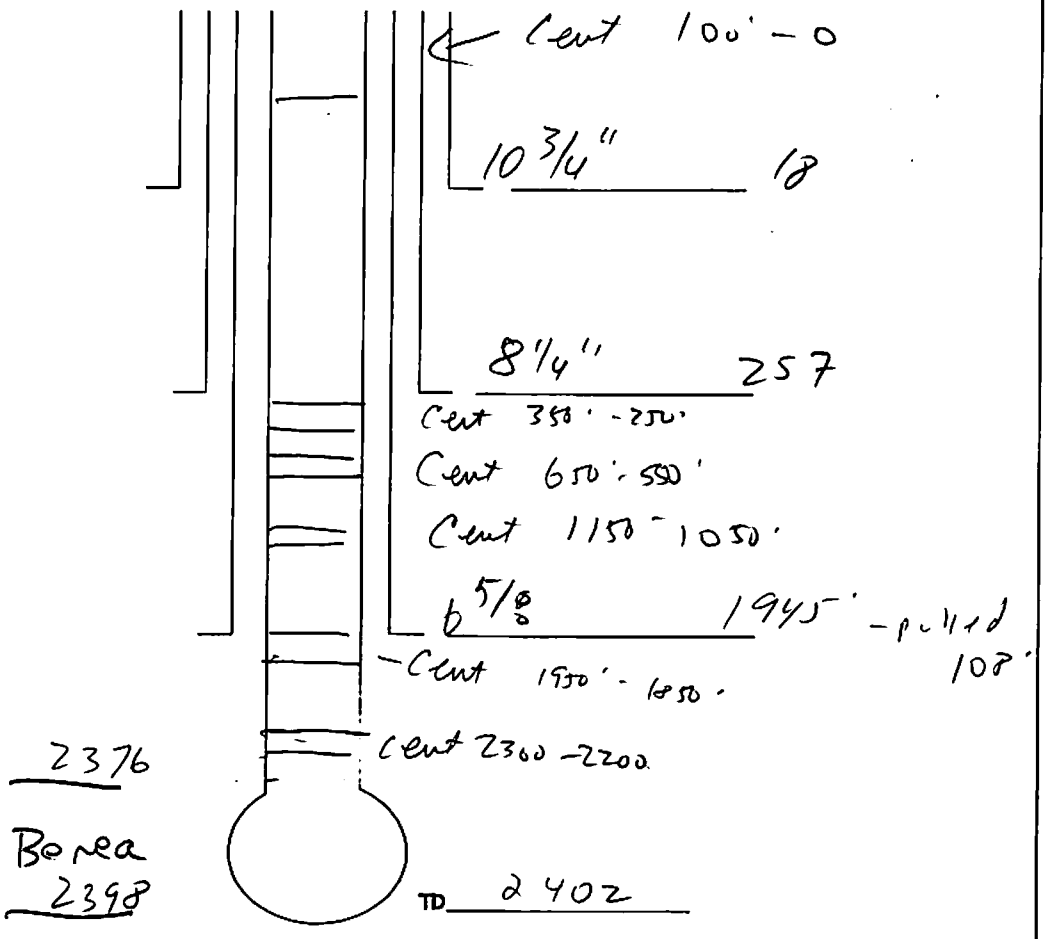
Zelma M. Meadows
Notary Public

Oil & Gas Inspector
Rod Dillon

Stephenson et al 3

Griffithsville Unit #2 Field

47-043- 00333



From Drillers Records/Plugging Records

Pulled 1909' 5½" csng
left 194'
Plugged to pull 6 5/8" csng perforated

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

382

AOR - Well Review Checklist

API Number: 47- 00354 Area Permit Number: 2R AP
Operator Name: H G Energy
Operator's Well #: 4
Farm Name: Clendenion, et al
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: 4240
Completion Zones: Devonian Shale Perforated Interval: 2993 - 4150

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,836 Northing: 4,235,842
Elevation: 310
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:

Cemented off Berea Shale prior to DD
Drilled Deeper to shale - Centered
4 1/2" Csg out shale

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 - 00354

43-00354

Map 124-W

No. 75031 Acres 64 Farm Name Stephenson Et-al Well No. 4

S.80 E. W. 75 Location Made Purchased From

District Duval Rig Completed Furnished by Con't Date Purchased

nty Lincoln Dr'g Commenced May 14-42 Sold To

e West Va Dr'g Completed July 18-42 Date Sold

Rights Owned By Dr'g Contractor Elkins Drlg Co Date Abandoned

FORMATION Elev. 1026.03

Kind	Top	Bottom	Steel Line Measurement	Tests
urface	0	18		
nd	18	35		
d Rock	35	110		
ue Slate	110	135		
d Rock	135	320		
ue Slate	320	360		
aring 8¼"		360		
nd	360	385		
ue Slate	385	525		
ite Sand	525	586		
ater		560		5 Bailer per Hr.
ue Slate	585	608		
ite Sand	608	632		
ue Slate	623	743		
ite Sand	743	820		
l & Shell	820	946		
ite Sand	946	978		
l & Shells	978	1225		
lt Sand	1225	1762		
ater		1241		Hole full
late	1762	1766		
lt Sand	1766	1788		
lack Slate	1788	1796		
ittle Limo	1796	1828		
oncil Cave	1828	1831		
ig Lime	1831	2008		S.L. 2008
os		1908		10/10W-4" blew out after
asing 6-5/8"		1925		pulling 8¼" Pipe to shut off Water
ig Injun	2008	2060		
l & Shell	2060	2158		
ard Shell	2158	2245		
l & Shells	2245	2485		
offie Shale	2485	2507		
orca	2507	2529		
an		2511		
il	2513	2518		
otal Depth		2531		S.L.

al Prod.	Sand	* At Completion	* 30 Days After	*
ll	Berea	17 Bbls.	Wk.	

CASING RECORD

Size	Bottom Casing (Steel Line)	Put In Well (Tally Meas.)	Pulled (Tally Meas.)	Cemented
8¼"		359		Date
6-5/8"		1934		Size Csg.
g" U.E.		2520'		Top "
				Bot. "

PACKERS AND SHOES

Kind	Size	Depth Set	Date Set

TORPEDO RECORD

Date	No. Qts.	Size Shell	Top Shot	Bottom	Results
7-29-42.	90	6'--6"	2510	2529'	Open S
8-13-42.	110	Do.	2505	2529	Bomb S

Office of Oil & Gas Permitting

AUG 11 2003

DRILLING DEEPER

Commenced	Completed	Original Depth	Final Depth	Contractor

ABANDONMENT RECORD

Filled With	From	To	PLUG Size	PLUG Kind	PLUG Depth

WR-35

17-Sep-03

API # 47 043 0354

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: ROWH, MAX A. Operator Well No.: STEPHENSON 4

LOCATION: Elevation: 1,026.03 Quadrangle: GARRETT'S BEND 7.5'

District: DUVAL County: LINCOLN
Latitude: 1,900 Feet south of 38 Deg 15 Min 0 Sec.
Longitude: 5,350 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: 09/17/03
Well work Commenced: 01/05/04
Well work Completed: 01/29/04
Verbal plugging permission granted on:
Rotary X Cable Rig
Total Depth (feet) 4240
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 8 1/4"	359'	359'	existing
6 5/8"	1934.00'	1934.00'	existing
4 1/2"	4196.80'	4196.80'	85 sks

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 2993-4150
Gas: Initial open flow 0 MCF/d Oil: Initial open flow Bbl/d
Final open flow 45 MCF/d Final open flow * Bbl/d
Time of open flow between initial and final tests Hours
Static rock pressure 254 psig (surface pressure) after 72 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.

Stephenson et al #4
47-045-00334

Treatment : Treated perforations 3678' -4150' w/ 250 gals 15% HCL, 562 Bbls variable quality foam and 51,000# 20/40 sand

Treated perforations 2993' -3557' w/ 250 gals 15% HCL, 550 Bbls variable quality foam and 51,000# 20/40 sand

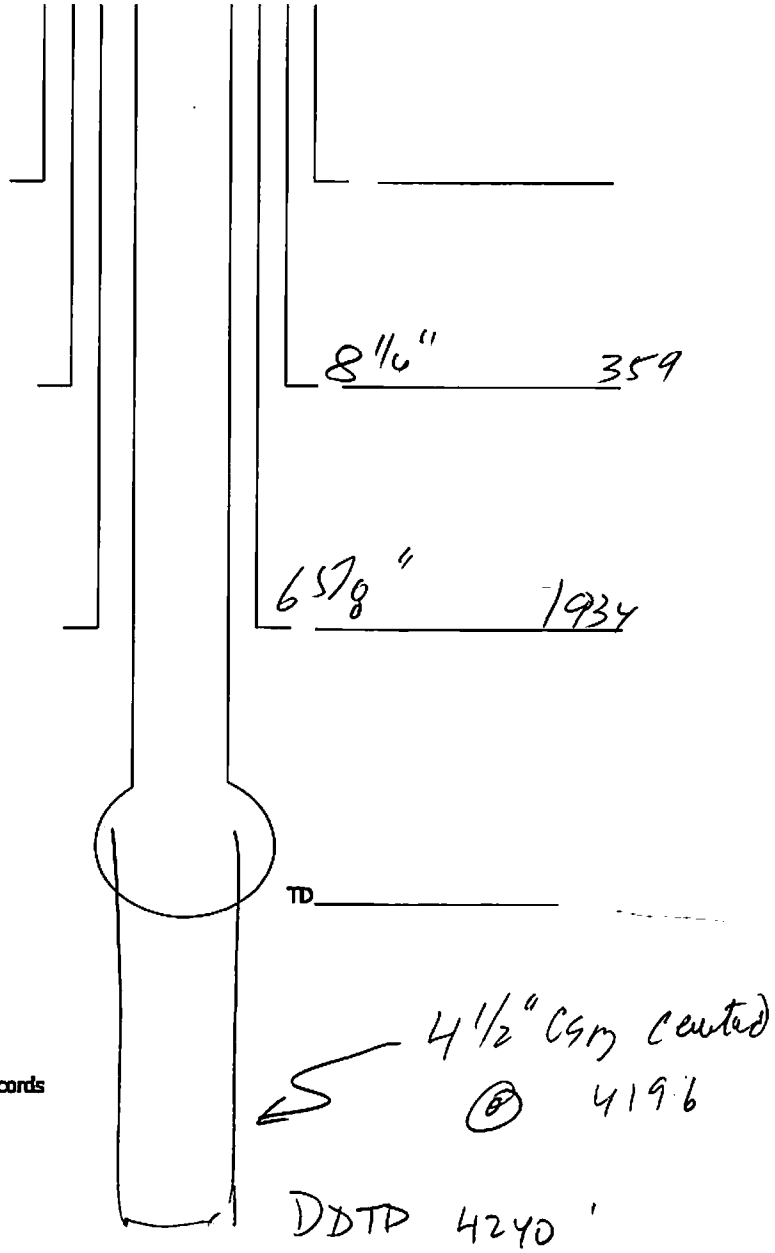
Well Log :

2531		original TD
2531	4240	Devonian Shale

Stephenson, et al 4

Griffithsville Unit #2 Field

47-043- 00354



From Drillers Records/Plugging Records

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

383

AOR - Well Review Checklist

API Number: 47- 043 - 00355 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 5
Farm Name: Stephenson et al
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: 2532
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,720 Northing: 4,235,755
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.*

St. Albans

47-043-00355

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. LIN-355

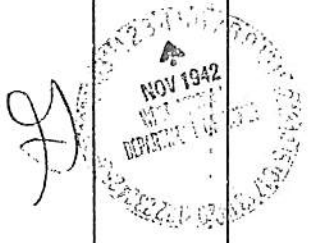
Oil or Gas Well OIL (KIND)

Company South Penn Natural Gas Company
Address Union Trust Bldg. Parkersburg, W.Va.
Farm Stephenson et al Acres 64
Location (waters) Road Fork
Well No. 5 Elev. 1024.96
District Duval County Lincoln
The surface of tract is owned in fee by S. E. Bird
Griffithsville, Address W. Va.
Mineral rights are owned by Sweetland L. & M.Co.et als
Address Hamlin, W.Va.
Drilling commenced Dec. 29th 1941
Drilling completed May 1, 1942.
Date Shot 5-14-42 From 2510 To 2531
With 80 Quarts
Open Flow /10ths Water in -- Inch
/10ths Merc. in -- Inch
Volume -- Cu. Ft.
Rock Pressure -- lbs. -- hrs.
Oil 22 Bbls per week bbls., 1st 24 hrs.
Fresh water -- feet -- feet
Salt water 1225 feet -- feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer -
13			
10			Size of -
8¼	257' 10"		-
6¼	1200'		Depth set -
5 3/16	2183'		-
3			Perf. top -
2	2420'		Perf. bottom -
Liners Used			Perf. top -
			Perf. bottom -

CASING CEMENTED 7" SIZE 2175 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
Surface				17			
Sand			17	25			
RedRock			25	200			
Slate			200	225			
Red Rock			225	345			
Sand			345	370			
Slate			370	425			
Sand			425	600			
Slate & Shells			600	750			
Sand Hard			750	825			
Slate			825	1088			
Slate & Shells			1088	1210			
Salt Sand			1210	1595	Water	1225	Hole Full
Slate			1595	1613			
Salt Sand			1613	1750			
Slate			1750	1765			
Salt Sand			1765	1775			
Slate			1775	1782			
Little Lime			1782	1812			
Pencil Cave			1812	1819			
Big Lime			1819	1997			
Big Injun			1997	2050			
Slate & Shell			2050	2152			
Hard Shell			2152	2231			
Slate & Shell			2231	2261			
White Slate			2261	2402			
Shell			2402	2427			
White Slate			2427	2455			
Shell			2455	2460			
Dark Slate			2460	2485			
Coffee Shale			2485	2509			
Berea			2509	2531			
Total Depth				2532			



(Over)

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Stephenson et al #5

47. 043-00355

Date November 2, 1942, 194

APPROVED SOUTH PENN NATURAL GAS COMPANY, Owner

By Elton E Spicer Land Agent
(Title)

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

47-043-00355

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.

Operator Well No.: Stephenson No.5

Farm name: Rowh, Max A.

LOCATION: Elevation: 1024.94' Quadrangle: Garrett's Ben 7.5'
District: Duval County: Lincoln
Latitude: 9300' South of 38 Deg. 17Min. 30 Sec.
Longitude 6850' West of 81 Deg. 55Min. 00 Sec.

Well Type: OIL X GAS ____

Company: East Resources Inc.
P.O. BOx 5519
Vienna, WV 26105

Coal Operator or Owner: NA

Coal Operator or Owner: NA

Agent: Michael McCown
Inspector: Gary Scites
Permit Issued:

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood ss:

DW 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 4th day of October, 2002 and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
			5 1/2"- 696'	1487'
Cement	2340	2240	7" - 250'	950'
Cement	2100	2000		
Cement	1250	1150		
Cement	1000	900		
Cement	750	600		
Cement	550	450		
Cement	300	200		
6% Gel between plugs				
Cement	100	0		

Description of monument: 7" x 20'

and that the work of plugging and filling said well was completed on the 17th day of October, 2002.

And furthur deponents saith not.

D W Wade

Sworn and subscribe before me this 8th day of November, 2002

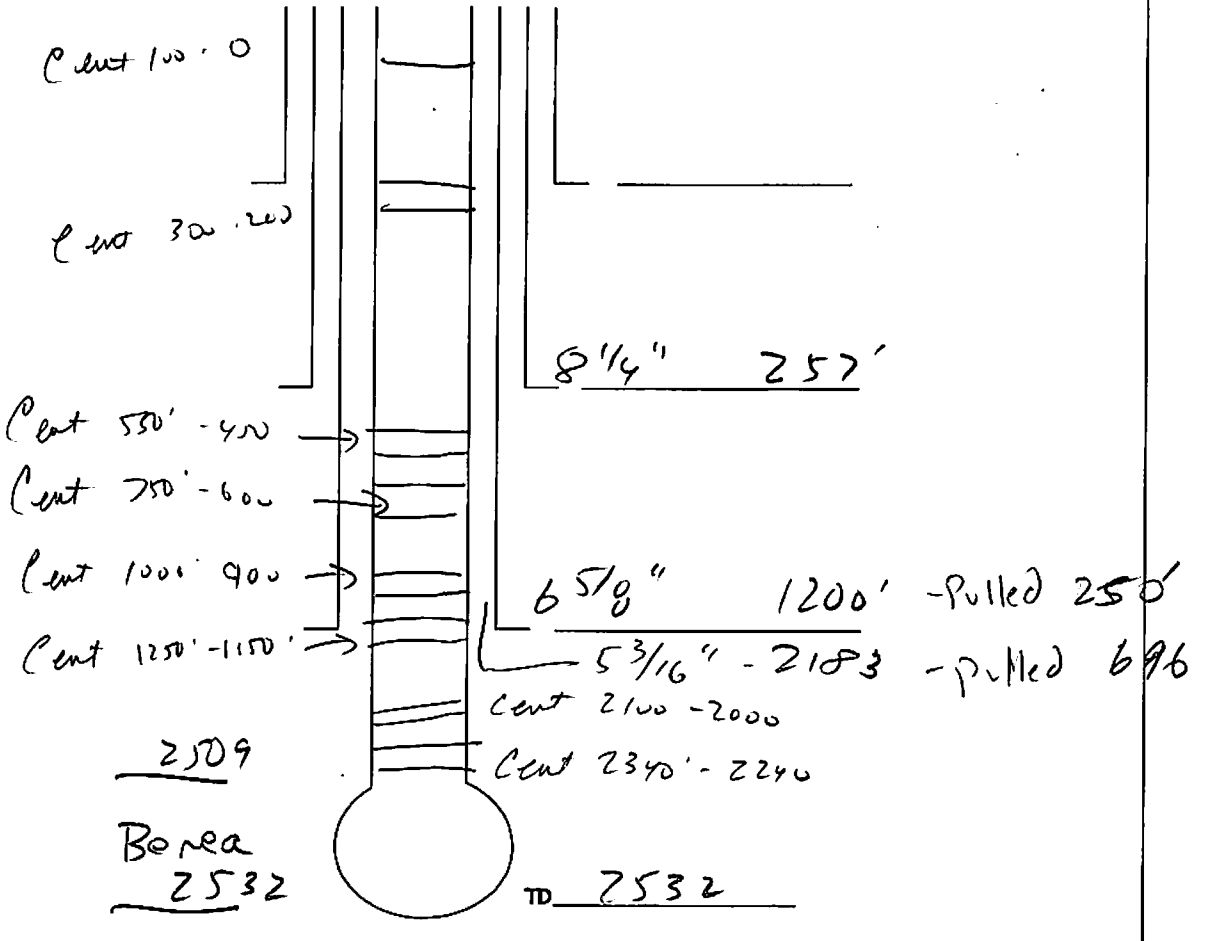
My commission expires: 5/17/10

Notary Public

Stephenson, et al 5

Griffithsville Unit #2 Field

47-043- 00355



From Drillers Records/Plugging Records

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

684

AOR - Well Review Checklist

API Number: 47- 043 - 30349 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 1

Farm Name: Stricker + 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: 2461

Completion Zones: Berea. Perforated Interval:

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

Easting: 416,105 Northing: 4,233,697

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.*

09-16

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD 47-043-30349

Permit No.....

Oil or Gas Well Oil Well
(KIND)

Company Frick-Reid Supply Corporation
Address Drawer 2481, Tulsa, Okla.
Farm J. W. Stickler Acres 31
Location (waters) Bear Fk. of Str. Fk. Mud R.
Well No. One Elev. 952
District Duval County Lincoln
The surface of tract is owned in fee by Robert Wade
Address Yawkey, W. Va.
Mineral rights are owned by J. W. Stickler, Yawkey, W. Va.
G. V. Morrison Address St. Albans, W. Va.
Drilling commenced March 9, 1909
Drilling completed April 21, 1909
Date Shot 4/24/1909 From 2438 To 2456
With 90 Qts. Nitro-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 1135 feet ..... feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	11	11	Size of
8¼	421	----	
6⅝	1768	1768	Depth set
5 3/16			
3			Perf. top
2		2461	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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

COAL WAS ENCOUNTERED AT 360 FEET ------ INCHES
367 FEET ------ INCHES ------ FEET ------ INCHES
----- FEET ------ INCHES ------ FEET ------ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
			360	367			
Coal			1090	1690	Water	1135	
Salt sand			1715	1750			
Little lime			1750	1756			
Pencil cave			1756	1925			
Big lime			1925	1995			
Big Injun			2436	2459			
Berea sand			2461				
Total depth							



FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30349

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.

J. W. Stickler, Yawkey, W. Va.
G. V. Morrison, ST. Albans, W. Va.
COAL OPERATOR OR OWNER

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

November 2, 1942
WELL AND LOCATION

Duval District

Lincoln County

Well No. One

J. W. Stickler Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin N. Hall

DEC 1942
WEST VIRGINIA
DEPARTMENT OF MINES

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Clyde Satterfield and Emery Mosteller 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 15th 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	CASING CSG LEFT IN
	Bridge	2415				
Berea	Clay	2415	2395			
	Plug	2395	2392	Wood 3'x6 1/8"		
	Cement	2392	2382			
	Bridge	2025				
Injun	Cement	2025	2015			
	Clay	2015	1795			
Big Lime	Plug	1795	1792	Wood 3'x6 1/8"		
	Cement	1792	1782		386	1282
	Clay	1782	1070			
	Cement	1070	1060			
	Plug	389		Wood 3'x6 1/8"		
	Cement	389	335			
	Clay	335	Surface			

COAL SEAMS				DESCRIPTION OF MONUMENT
(NAME)	Cement	389	335	8 1/4" Csg. filled with concrete &
(NAME)				ext. 30" above surface marked
(NAME)				"Frick-Reid Sup. Corp. J.W.
(NAME)				Stickler #1, Abnd. Nov. 2, 1942

and that the work of plugging and filling said well was completed on the 2nd day of November, 1942.

And further deponents saith not.

Clyde Satterfield
Emery Mosteller

Sworn to and subscribed before me this 7th day of December, 1942.

J. R. Smith
Notary Public.

My commission expires: Dec. 7-1947

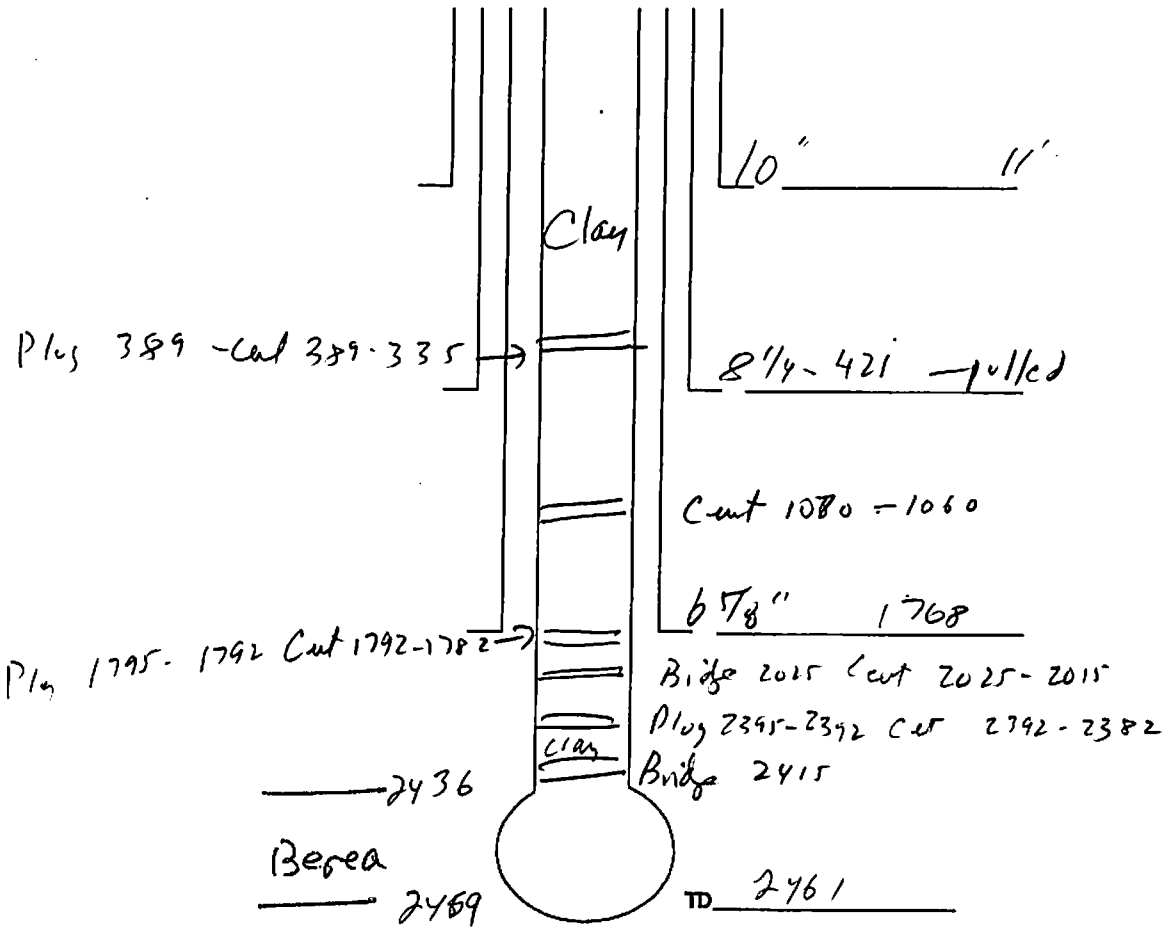
Permit No. LIN-349

JACKETT PRINTING COMPANY, CHARLESTON, W. VA.

Strickler & Morrison 1

Griffithsville Unit #2 Field

47-043- 30 349



From Drillers Records/Plugging Records

385

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

AOR - Well Review Checklist

API Number: 47- 043 - 30351 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 2
Farm Name: Shields J 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: 2659
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,798 Northing: 4,234,045
Elevation: 356
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:

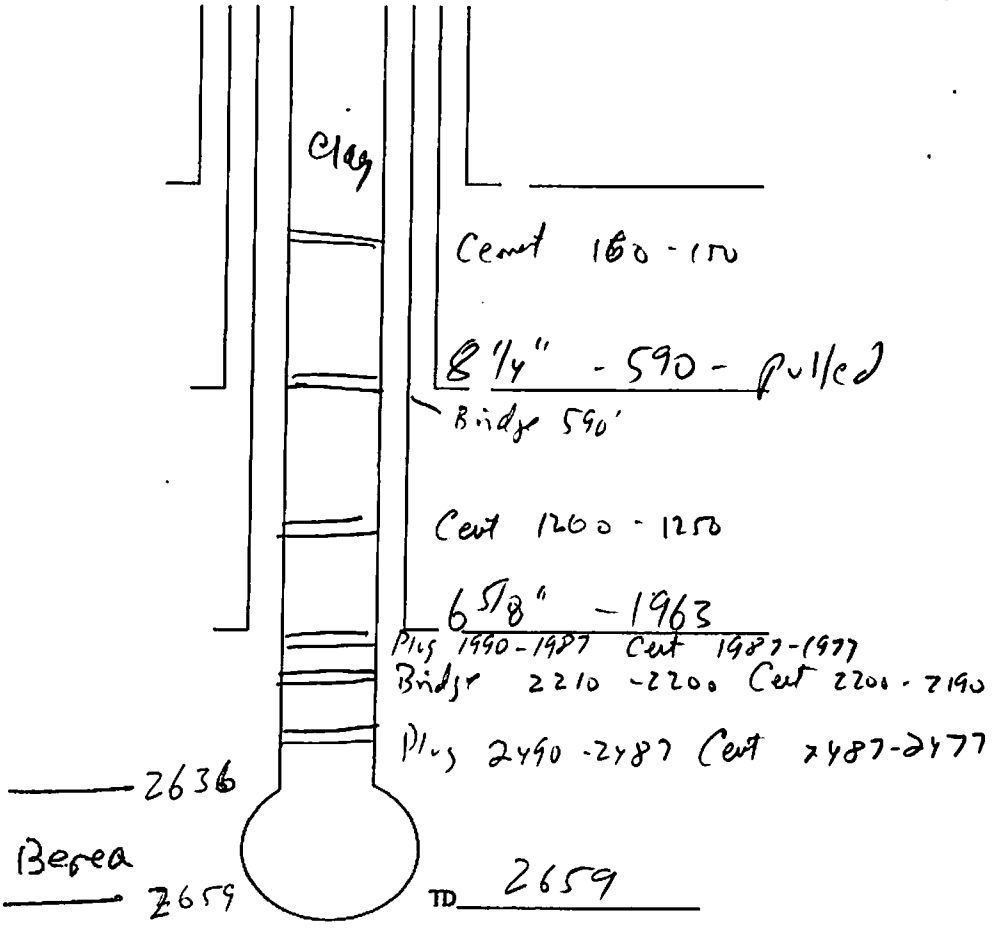
Reviewer Name: Signature:
Date Reviewed:

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

Stricker + Morrison 2

Griffithsville Unit #2 Field

47-043- 30351



From Drillers Records/Plugging Records

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

30351

Permit No. ____

Oil or Gas Well Oil Well (KIND)

Company Frick-Reed Supply Corporation
Address Drawer 2481, Tulsa, Okla.
Farm J. W. Stickler Acres 31
Location (waters) Bear Fk. of Str. Fk. Mud R.
Well No. Two Elev. 1153
District Duval County Lincoln
The surface of tract is owned in fee by Robert Wade
Address Yawkey, W. Va.
Mineral rights are owned by J. W. Stickler, Yawkey, W. Va. 65%
G. V. Morrison Address St. Albans, W. Va. 53/16
Drilling commenced July 30, 1909
Drilling completed Oct. 5, 1909
Date Shot 10/7/09 From 2638 To 2656
With 90 Qts. Nitro-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			
10	16	16	Size of
8¼	590	-----	
6¼	1963	1963	Depth set
5 3/16			
3		2659	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	160			
Sand & Slate			160	400			
Red rock	red		400	500			
Sand			500	550			
Slate			550	590			
Sand			590	620			
Brake			620	725			
Sand			725	1280			
Slate & shells			1280	1920			
Salt sand			1920	1935			
Slate			1935	1963			
Little lime			1963	2113			
Big lime			2113	2160			
Injun			2160	2200			
Slate			2200	2220			
Sand			2220	2280			
Slate			2280	2300			
Shells			2300	2320			
Slate			2320	2400			
Shells			2400	2616			
Slate			2616	2636			
Slate	Black		2636	2659			
Berea sand							

Packing 1 casing
357

SEP 1909
WEST VIRGINIA
DEPARTMENT OF MINES

(Over)

30351

FORM 06-8

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.

J. W. Stickler, Yawkey, W. Va.
G. V. Morrison, 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

October 5, 1942
WELL AND LOCATION

Duval District

Lincoln County

Well No. Two

J. W. Stickler Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin N. Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Clyde Satterfield and Emery Mosteller and Roy E 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 18th day of September, 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
Berea	Tubing & junk	2659	2520			
	Stone	2520	2510			
	clay	2510	2490			
	Plug	2490	2487	Wood 3'x6 1/8"		
	Cement	2487	2477			
	Bridge	2210	2200			
	Cement	2200	2190			
	Clay	2190	1990			
Big Lime	Plug	1990	1987	Wood 3'x6 1/8"		
	Cement	1987	1977			
	Clay	1977	1260			
Salt Sand	Cement	1260	1250		867	1096
	Bridge	590				
	Clay & cavings	590	160			
	Cement	160	150			
COAL SEAMS	Clay	150	Surface	DESCRIPTION OF MONUMENT		
(NAME)				8¼" Csg. filled with concrete		
(NAME)				extending 30" above surface		
(NAME)				marked "Frick-Reid Sup. Corp.		
(NAME)				J.W.Stickler #2 Abnd.10-3-1942"		

and that the work of plugging and filling said well was completed on the 3rd day of October, 1942.

And further deponents saith not.

Clyde Satterfield
Emery Mosteller
Roy E Hager

Sworn to and subscribed before me this 5th day of November, 1942.

J. K. Smith
Notary Public.

My commission expires: December 7-1949

Permit No. LIN-351

NOV 1942

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

386

AOR - Well Review Checklist

API Number: 47- 043 - 30352 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: JW Stricker + 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: 2454

Completion Zones: Berea. Perforated Interval:

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

Easting: 416,031 Northing: 4,234,022

Elevation: 292

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

47-043-30352

Permit No. ____

Oil or Gas Well Oil Well (KIND)

Company Frick-Reid Supply Corporation
Address Drawer 2481, Tulsa, Okla.
Farm J. W. Stickler Acres 31
Location (waters) Bear Fk. of Str. Fk. Mud R.
Well No. Three Elev. 944
District Duval County Lincoln
The surface of tract is owned in fee by Robert Wade
Address Yawkey, W. Va.
Mineral rights are owned by J. W. Stickler, Yawkey, W. Va. & G. V. Morrison, Address St. Albans, W. Va.
Drilling commenced July 5, 1909
Drilling completed August 20, 1909
Date Shot 8/20/09 From 2433 To 2451
With 90 Qts. Nitro-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			
16			Kind of Packer
13			
10	16	16	Size of
8¼			
6⅝	1761	1761	Depth set
5 3/16		1791	
3 2"		2454	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
			1154	1709			
Salt sand			1709	1719			
Slate			1719	1749			
Little lime			1749	1755			
Pencil cave			1755	1935			
Big lime			1935	1995			
Big Injun			1995	2431			
Slate & shells			2431	2454			
Berea sand							

SEP 1942
WEST VIRGINIA
DEPARTMENT OF MINES

(Over)

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30.352

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.

J. W. Stickler, Yawkey, W. Va.
G. V. Morrison, St. Albans, W.Va.
ADDRESS
COAL OPERATOR OR OWNER

(Coal Not Operated)
ADDRESS
COAL OPERATOR OR OWNER

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

April 3, 1943

Duval District

Lincoln County

Well No. Three

J. W. Stickler & Morrison Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin N. Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Jesse Mason and Thomas Hagger 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 11 day of January, 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
			2454			
Berea Sand	Total Depth					
	String of 2" Tubing dropped in well by former owners.					
	top of which found at		1398	5 3/16" Csg	1806	None
	3 cu.yds. of clay washed down with water & filled to top					
	of tubing at		1398			
	Plug	1395	1398	Wood 3'x 6 1/8"		
	Stone	1390	1395			
	Cement	1380	1390			
	Clay	1000	1380			
Salt Sand	Cement	990	1000	6 5/8" Csg	1000	761
	Bridge	425 ✓	435			
	Cement	419	425			
	Clay	Sur	419			

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

DESCRIPTION OF MONUMENT
7" OD csg. filled with concrete & ext. 30# above surface marked "Frick-Reid Sup.Corp. J. W.Stickler #3 Abnd. Jan. 30, 1943"

and that the work of plugging and filling said well was completed on the 30th day of January, 1943.

And further deponents saith not.

Jesse Mason
Thomas Hagger

Sworn to and subscribed before me this 5th day of April, 1943.

H. A. Smith
Notary Public.

Permit No. LIN-352

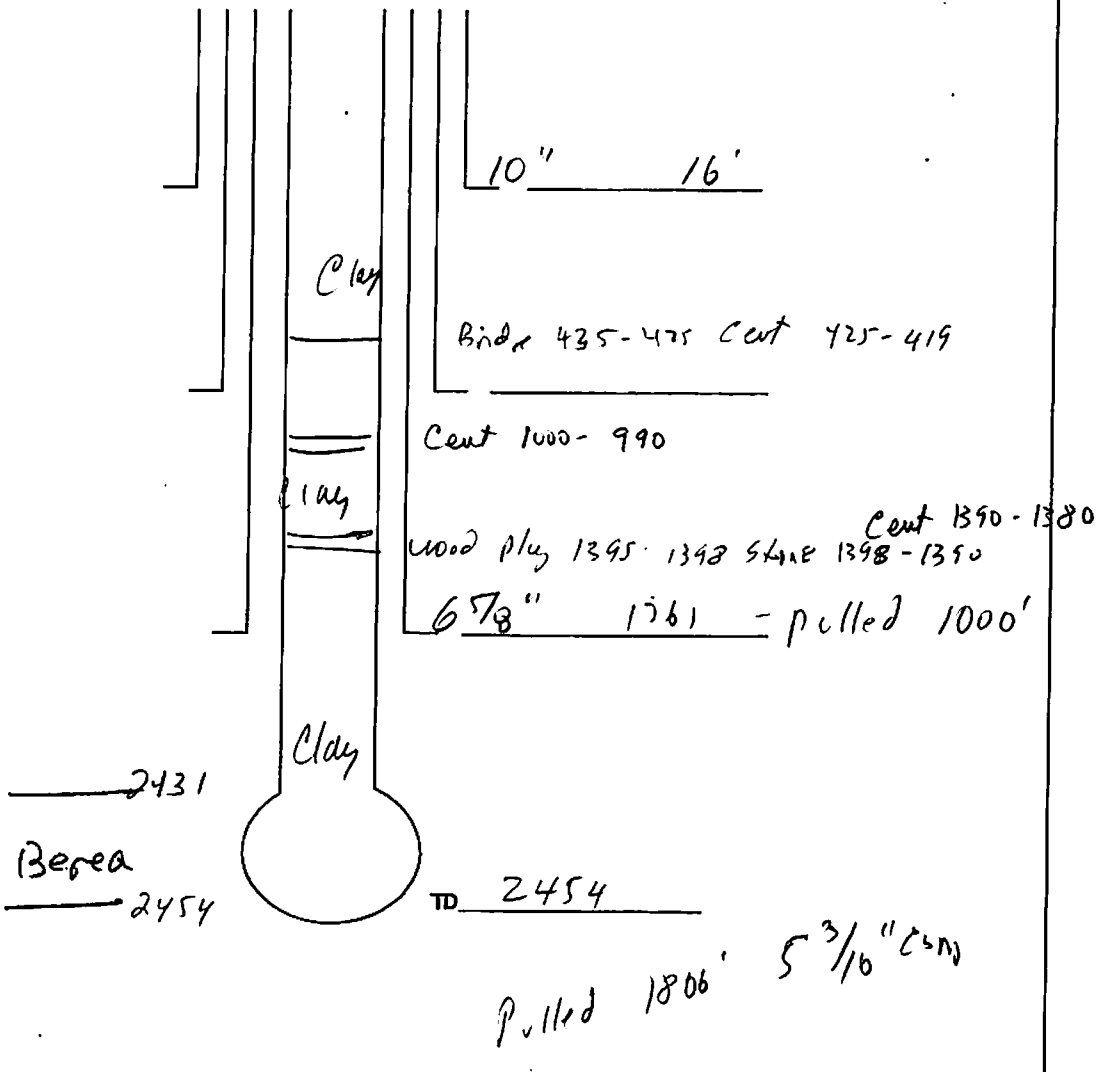
My commission expires:
Dec. 7- 1947

ACME PRINTING COMPANY, CHARLESTON, W. VA.

JW Stockly 3

Griffithsville Unit #2 Field

47-043- 30352



From Drillers Records/Plugging Records

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

387

AOR - Well Review Checklist

API Number: 47- 043 - 3030 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 4

Farm Name: J W Stricker + 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: 2421

Completion Zones: Berea. Perforated Interval:

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

Easting: 416,093 Northing: 4,233,680

Elevation: 279

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 47-043-3055

Permit No.....

Oil or Gas Well Oil Well
(KIND)

Company Frick-Reid Supply Corporation
Address Drawer 2481, Tulsa, Okla.
Farm J. W. Stickler Acres 31
Location (waters) Bear Fk. of Str. Fk. Mud R.
Well No. Four Elev. 914
District Duval County Lincoln
The surface of tract is owned in fee by Robert Wade
Address Yawkey, W. Va.
Mineral rights are owned by J. W. Stickler, Yawkey, W. Va.
G. V. Morrison Address St. Albans, W. Va.
Drilling commenced May 3, 1909
Drilling completed June 17, 1909
Date Shot 6/18/09 From 2401 To 2419
With 90 Qts. Nitro-glycerine
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs hrs.
Oil 30 bbls., 1st 24 hrs.
Fresh water feet feet
Salt water 1125 feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10 Wood	16	16	Size of
8¼			
6⅝		1724	Depth set
5 3/16			
3			Perf. top
2		2420	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT 350 FEET ----- INCHES
355 FEET ----- INCHES ----- FEET ----- INCHES
----- FEET ----- INCHES ----- FEET ----- INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
			350	355			
Coal			1055	1675	Water	1125	Hole full
Salt sand			1675	1690			
Slate			1690	1720			
Little lime			1720	1724			
Pencil cave			1724	1895	Gas	1874	6,000 MCF
Big lime			1895	1965			
Big Injun			1965	2399			
Slate & shells			2399	2419			
Berea sand			2421				
Total depth							



FORM 02-0

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30350

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THIS 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.

J. W. Stickler, Yawkey, W. Va.
O. V. Morrison, St. Albans, W.Va.
COAL OPERATOR OR OWNER

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

November 20, 1942
WELL AND LOCATION

Duval District

Lincoln County

Well No. Four

Jas. Stickler & Morrison Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin L. Hall

AFFIDAVIT

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

Clyde Satterfield and Emery Mostoller 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 9th day of November, 1942, and that the well was plugged and filled in the following manner:

COAL SEAMS OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Berea	Bridge	2380				
	Clay	2380	2360	Wood 3'x6 1/8"		
	Plug	2360	2357			
	Cement	2357	2347			
	Clay	2347	1716			
	Plug	1716	1713	Wood 3'x6 1/8"		
	Cement	1713	1703		1715	None
	Clay	1703	1035			
	Cement	1035	1025			
	Bridge	425				
	Clay & stone	425	385			
	Cement	385	330			
	Clay	330	Surface			

COAL SEAMS				DESCRIPTION OF MONUMENT
(Name)	Cement	385	330	7" Csg. filled with concrete
(Name)				ext. 30" above ground marked
(Name)				"Frick-Reid Sup.Corp. Jas.
(Name)				Stickler #4,Abnd.11-20-42"

and that the work of plugging and filling said well was completed on the 20th day of November, 1942.

And further deponents saith not.

Clyde Satterfield
Emery Mostoller

Sworn to and subscribed before me this 7th day of December, 1942.

H. E. Smith
Notary Public.

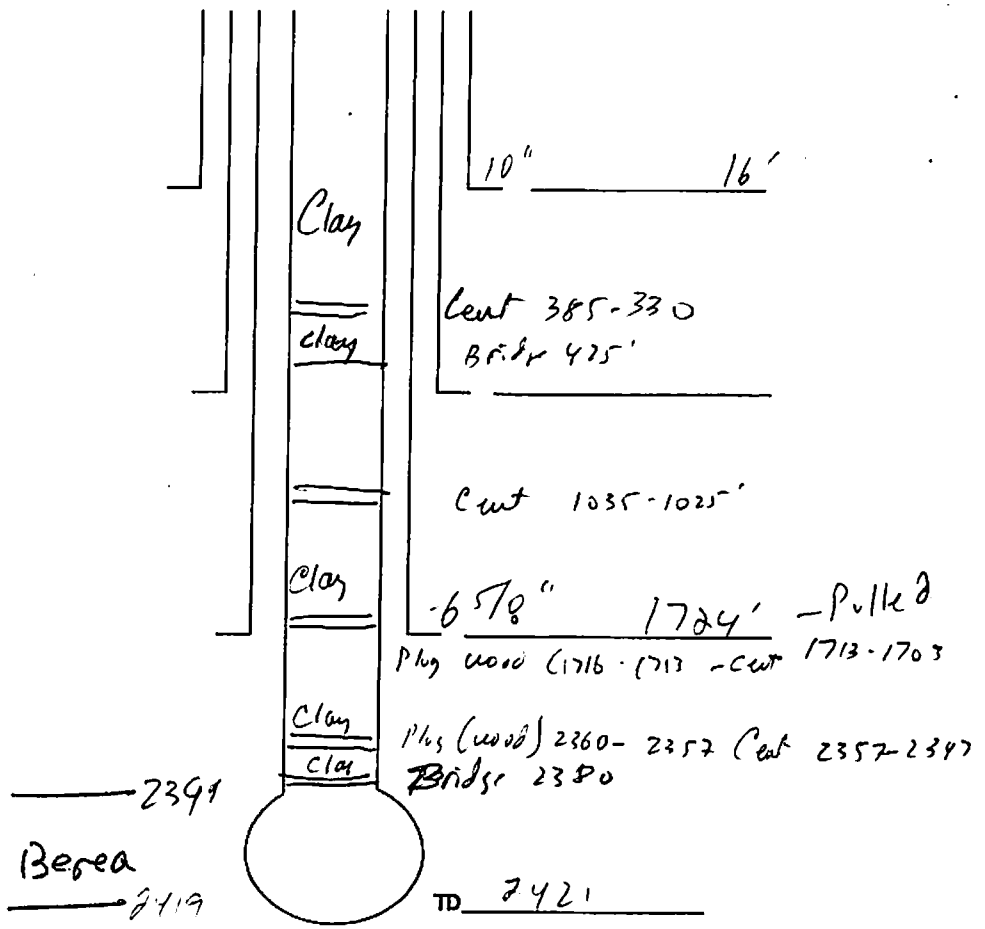
My commission expires: Dec 7-1947

Permit No.LI-350

JW Stiker 4

Griffithsville Unit #2 Field

47-043- 30350



From Drillers Records/Plugging Records

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

(388)

AOR - Well Review Checklist

API Number: 47- 043 - 30455 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 5

Farm Name: JW Stricker + 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: 2437

Completion Zones: Berea. Perforated Interval:

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

Easting: 415940 Northing: 4,233,818

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.*

DG-10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

47-043-30455

Permit No. _____

ABANDONMENT

Oil or Gas Well 011 (KIND)

Company UNITED FUEL GAS CO.,
Address P.O. Box 1273, Charleston 25, W. Va.
Farm J. W. Stickler Acres 31
Location (waters) Branch of Bear Fork
Well No. 5 Elev. 937
District Duval County Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by J. W. Stickler, et al
Yawkey, Address W. Va.
Drilling commenced 9-13-10
Drilling completed 10-31-10
Date Shot 11-2-10 From To
With 90 Cts.
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil 25 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	1761'	1761'	Depth set
5 3/16	1100'	1100'	
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
Red Rock			16	80			
Slate			80	176			
Sand			176	240			
Slate			240	335			
Sand			335	415			
Slate			415	475			
Sand			475	535			
Slate			535	610			
Sand			610	675			
Slate			675	745			
Slate & Shells			745	840			
Sand			840	870			
Slate			870	970			
Sand			970	1030			
Slate			1030	1070			
Slat Sand			1070	1640			
Slate			1640	1645			
Maxon Sand			1645	1675			
Slate			1675	1702			
Little Lime			1702	1732			
Pencil Cave			1732	1737			
Big Lime			1737	1900			
Big Injun			1900	1970			
Slate			1970	2050			
Slate & Shells			2050	2200			
White Slate			2200	2392			
Brown Shale			2392	2415			
Total Depth:				2437'			

JUN 1948
WEST VIRGINIA
DEPARTMENT OF MINES

Date Started Sept 16, 1948
Completed Aug 24, 1948

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30455

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.
WELL AND LOCATION: October 13, 1948
District: Duval
County: Lincoln
Well No. 5
Farm: J.W. Stickler

STATE INSPECTOR SUPERVISING PLUGGING: D. E. Lawson

NOV 1948 WEST VIRGINIA DEPARTMENT OF MINES

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Basil Pack and John McCallister 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 16th day of September, 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 2372 Ft. Fill hole with non-porous material. Set 10' Cement Plug on same sealing off Berea Sand.					
Lime-Injun	Set Bridge 30' below Big Injun Sand at 200 Ft. Fill hole through Big Injun and Big Lime with non-porous material at 20' above Big Lime. Set 10' Cement Plug on same 1717 Ft. to 1707 Ft., sealing off Big Injun and Big Lime.					Set Plug before lifting 6-5/8" Csg. Set at 1761'
Salt Sand	Fill hole from 1707 Ft. with non-porous material to 20' above top of Salt Sand. Set 10' Cement Plug on same at 1050 Ft. to 1040 Ft., Sealing off Salt Sand. Open hole to 200'; set Bridge and 10' Cement Plug on same at 200 Ft. to 190 Ft. Fill hole with non-porous material to surface.					
COAL SEAMS (NAME) (NAME) (NAME) (NAME)				DESCRIPTION OF MONUMENT: U.F.G.Co, J. W. Stickler #5 Abandonment 8/24/1948		

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

And further deponents saith not.

Basil Pack.
John McAllister

Sworn to and subscribed before me this 13th day of Oct, 1948.

Notary Public.
Permit No. 455

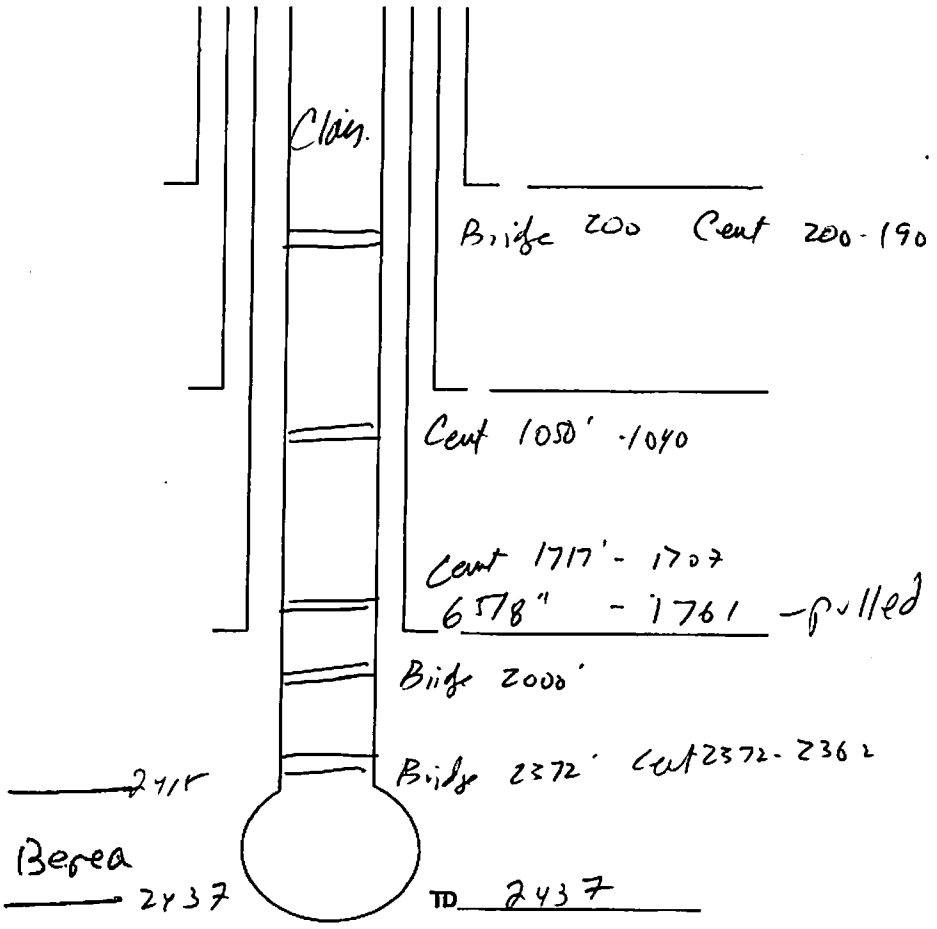
My commission expires:
April 1, 1957

U.S. Packer tools

J W Strickler 5

Griffithsville Unit #2 Field

47-043- 30455



From Drillers Records/Plugging Records

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

389

AOR - Well Review Checklist

API Number: 47- 043 - 30388 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 1

Farm Name: W Vickers

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: 2344

Completion Zones: Berea. Perforated Interval:

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

Easting: 417,412 Northing: 4,232,335

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:

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 W. Vickers Farm Acres

Field, District County

Rig Commenced 19 , Completed 19

Drilling Commenced April 20 1912, Completed May 30 1912

Cost per foot, 1½ Contractor Hawkeye Pipeline Co. Address Hawkeye, W. Va.

Drillers' Names J. H. Nailor & Jas. Lyle

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		330		1645				

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			Pulled	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
6/1/12	80 qts								

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		15		Casing 6⅝ - 10' in Big Lime
Slate	15	160	145	
Sand	160	185	25	
Slate	185	330	145	
Coal	330	333	3	Water 8" hole 185'
Slate	333	380	47	
Sand	380	405	25	
Slate	405	420	15	Gas at 975'
Coal	420	424	4	
Slate	424	610	186	
Sand	610	630	20	
Slate	630	900	270	Big Water 1010'
Sand	900	940	40	
Slate	940	955	15	
Salt Sand	955	1595	640	
Little Lime	1595	1630	35	
Pencil Cave	1630	1635	5	
Big Lime	1635	1815	180	
Big Injun	1815	1895	80	
Slate	1895	1945	50	
Injun	1945	2025	80	
Slate	2025	2300	275	
Gun Shale	2300	2323	23	
Berea Sand	2323	2344	21	Shot 5-8-19- 120 qts.

47-043-30388

Abandoned
Mar. 17, 1944

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30388

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.

C. W. Wilkerson (If any) — COAL OPERATOR OR OWNER	SOUTH PENN NATURAL GAS COMPANY, DRILLING CONTRACTOR
Yankey, W. Va. — ADDRESS	Union Trust Bldg. Parkersburg, W. Va. — COMPLETE ADDRESS
COAL OPERATOR OR OWNER	June 26, 1944. — 191
ADDRESS	WELL AND LOCATION
C. W. Wilkerson, — LEASE OR PROPERTY OWNER	Duval — District
Yankey, W. Va. — ADDRESS	Lincoln — County
	Well No. 1
	Walter Vickers — Farm
STATE INSPECTOR SUPERVISING PLUGGING	Calvin Hill

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Arlie Satterfield and Emory Mostoller 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 8th day of March, 1944, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD — FORMATION	FILLING MATERIAL — CONTENT	FILLING MATERIAL — FROM	FILLING MATERIAL — TO	PLUGS USED — SIZE & KIND	CASING — CSG PULLED	CASING — CSG LEFT IN
Berea Sand	Clay	2344	2303			
	Cement	2303	2293			
Set Bridge			1925			
Big Injun	Clay	1925	1655		7"-1645'	----
	Cement	1655	1645			
Big-Little Lime	Clay	1645	1575			
	Cement	1575	1565			
Salt Sand	Clay	1565	935			
	Cement	935	925			
Set Bridge			454		JUL 1944	
	Clay	400	363			
	Clay	310	to surface.			
COAL SEAMS				DESCRIPTION OF MONUMENT		
	Cement	454	400	8-5/8" Csg. ext. 3' above surf. set in concrete. Inscribed: (S.P.N.G.Co Walter Vickers #1, - 3-15-44).		
	Cement	363	310			

and that the work of plugging and filling said well was completed on the 17th day of March, 1944.

And further deponents saith not.

Arlie Satterfield
Emory Mostoller

Sworn to and subscribed before me this 19 day of June, 1944.

Notary Public.

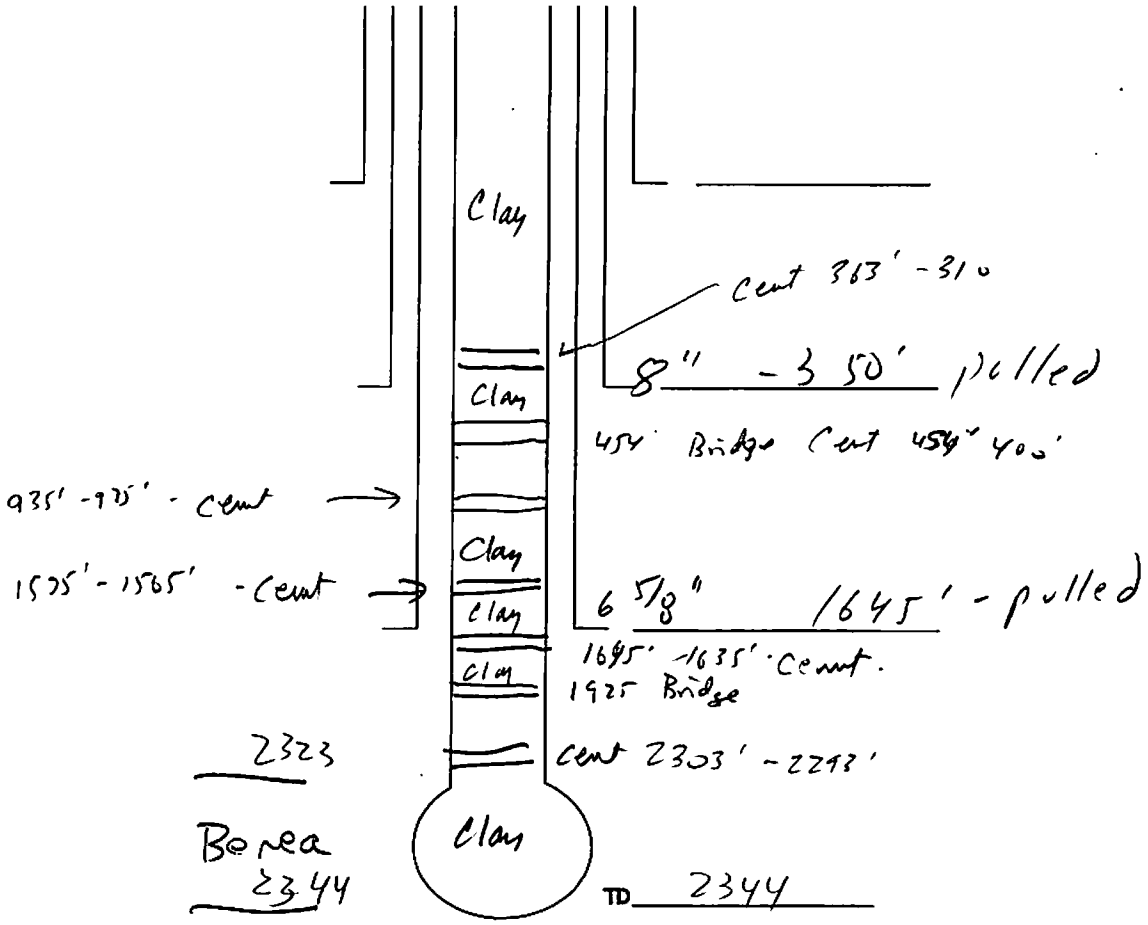
My commission expires: 1-26-1947

Permit No. LIN-388

W Vickers 1

Griffithsville Unit #2 Field

47-043- 30388



From Drillers Records/Plugging Records

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

390

AOR - Well Review Checklist

API Number: 47- 043 - 30594 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 2
Farm Name: W Vickers
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: ~~89~~ 2341
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,697 Northing: 4,232,417
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:

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. 2 Walter Vicken Farm Acres

Field, District County

Rig Commenced 19 , Completed 19

Drilling Commenced Aug 15 1912, Completed Sept 26 1912

Cost per foot, 1 1/2 Contractor, Hawkey & Freeman Drl Co. Address, Hawkey W Va.

Drillers' Names A. W. Terrell & Guy Loudell

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8 1/4 Inch	8 Inch	7 1/4 Inch	6 1/4 Inch	6 1/4 Inch	5 3/4 Inch	5 3-16-Inch	4 1/4 Inch
12						1640				

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8 1/4 Inch	8 Inch	7 1/4 Inch	6 1/4 Inch	6 1/4 Inch	5 3/4 Inch	5 3-16 Inch	4 1/4 Inch
12						1640				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
9/30/12	60 qts			

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		12	12	
Coal	12	52	40	
Red Rock	52	125	73	
Sand	125	175	50	
Slate	175	260	85	
Coal	260	268	8	
Sand	268	320	52	
Slate	320	350	30	325' of 10" hole.
Sand	350	425	75	
Slate	425	500	75	
Sand	500	560	60	
Slate	560	665	105	
Coal	665	760	95	Hole full of Water at 1010'
Coal	760	840	80	
Lime	840	870	30	
Slate	870	880	10	
Lime	880	940	60	
Big Injun Sand	940	1592	652	
Little Lime	1592	1622	30	
Pencil Cave	1622	1630	8	
Big Lime	1630	1810	180	
Big Injun	1810	1875	65	
Slate	1875	1965	90	
Shells	1965	2055	90	
Slate	2055	2170	115	
Lime	2170	2200	30	
Slate	2200	2290	90	
Brown Shale	2290	2322	32	
Berea Sand	2322	2341	19	

47-043-30594

47-043-30594

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
South Penn Natural Gas Co.
LESSEE OR PROPERTY OWNER
Parkersburg, W. Va.
ADDRESS

U. M. DeLay
NAME OF WELL OPERATOR
P. O. Box 49 Hamlin, W. Va.
COMPLETE ADDRESS
March 17, 1949
WELL AND LOCATION
Duval District
Lincoln County
Well No. 2
Walter Vickers Farm
D. A. Lawson

STATE INSPECTOR SUPERVISING PLUGGING

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

U. M. 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 U. M. DeLay well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 21 day of February, 1949, and that the well was plugged and filled in the following manner:

CASING OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Permanent	Bridge	2305	2300			
	Cement	2300	2295			
	Stone	2295	2286			
	Clay	2286	2200			
	Cement	2200	2190			
Permanent	Bridge	1915	1905			
	Cement	1905	1895			
	Stone	1895	1670			
	Clay	1670	1660			
	Cement	1660	1655			
	Stone	1655	1645			
Pulled 6-5/8	casing from	1645	1300			
Permanent	Bridge	1300	1295			
	Cement	1295	1285			
	Stone	1285	930			
COAL SEAMS	Clay	930	915	DESCRIPTION OF MONUMENT		
(NAME)	Cement	915	905	12"X18"X30" Concrete Bridge		
(NAME)	Stone	905		February 22, 1949		
(NAME)	Cont on Reverse side					
(NAME)						

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

And further deponents saith not.

Guadalupe Saenz
U. M. DeLay

Sworn to and subscribed before me this 18 day of March, 1949.

T. C. Thurston
Notary Public.

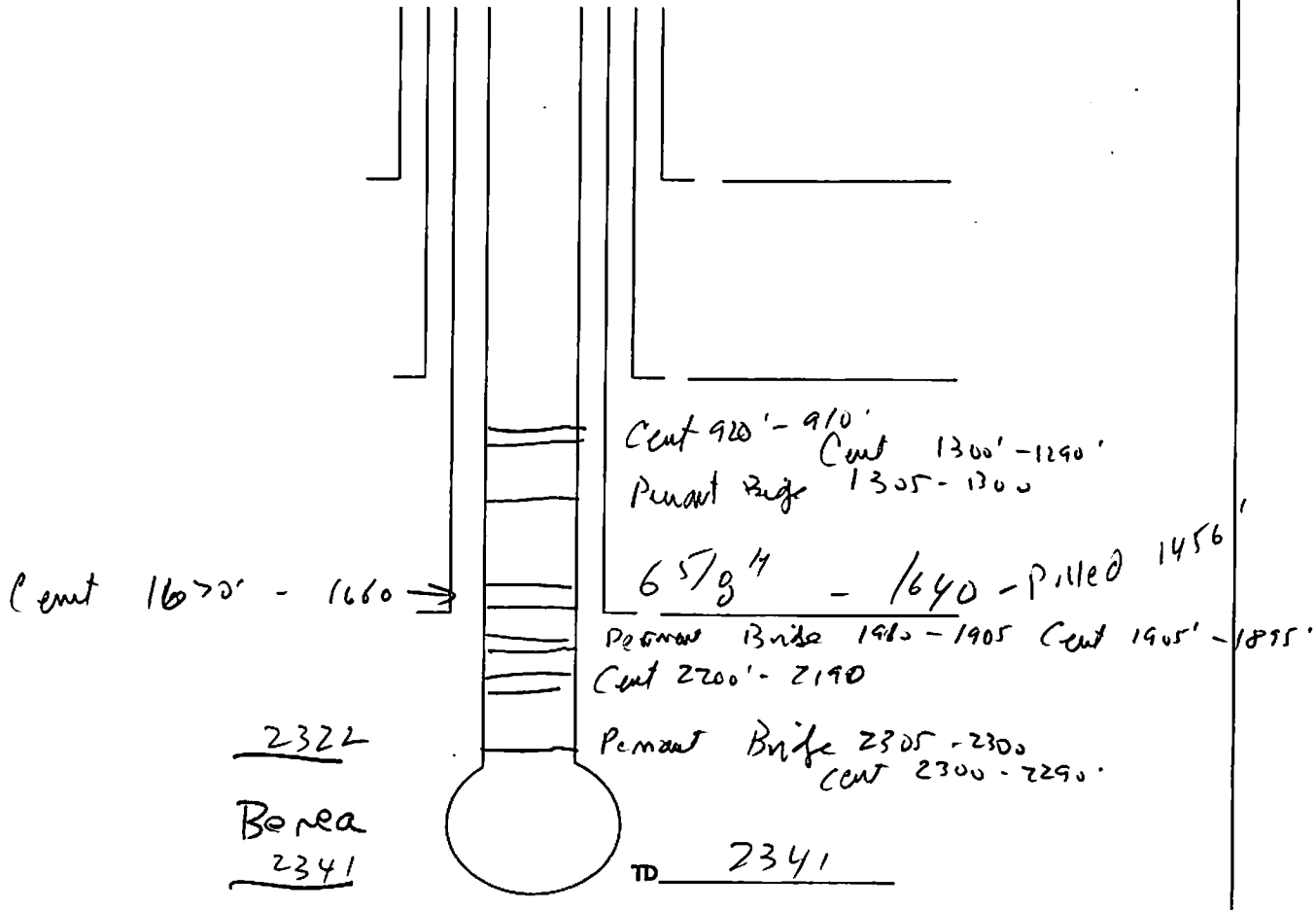
Permit No. [illegible]

My commission expires:
May 16-1949

W Vickers 2

Griffithsville Unit #2 Field

47-043- 30594



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev. 9/14/16

391

AOR - Well Review Checklist

API Number: 47- 043 - 3025P Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: W Vickers

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: 2432

Completion Zones: Berea. Perforated Interval:

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

Easting: 417893 Northing: 4,232,449

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.*

RECORD of Well No. 2 on [illegible] Farm Acres

Field, District County

Rig Commenced 19 Completed 19

Drilling Commenced June 11 1913 Completed Sept 21 1913

Cost per foot, 1.15 Contractor Hardy & Hermann Bros Address, Hardy, W. Va.

Drillers' Names Geo Hardy & L. P. Preston

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¼ Inch	6¼ Inch	6¼ Inch	5⅜ Inch	5 3-16 Inch	4½ Inch
14						1740'		1766		

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 Inch	10 Inch	8¼ Inch	8 Inch	7¼ Inch	6¼ Inch	6¼ Inch	5⅜ Inch	5 3-16 Inch	4½ Inch
14						1740 pulled		1766 pulled		

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	Size of Packer	Depth Set
2/24/13	80 qts					

GAS WELL

Tubing	1st Minute Pressure	Rock Pressure

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		14	14	
Sand	14	74	60	
Red Rock	74	139	65	
Sand	139	200	61	
Coal	200	205	5	
Sand	205	255	50	Abandoned 9/10/41
Slate	255	310	55	
Sand	310	380	70	
Coal	380	384	4	
Slate	384	393	9	383' of 10" Pipe
Sand	393	508	115	(Est. W.O.)
Slate	508	618	110	
Sand	618	678	60	
Slate	678	738	60	
Sand	738	841	103	Hole full of Water at 109'
Slate	841	941	100	
Sand	941	1000	59	
Slate	1000	1040	40	
Salt Sand	1040	1640	600	
Maxton Sand	1640	1695	55	
Little Lime	1695	1728	33	
Pencil Cave	1728	1736	8	
Big Lime	1736	1916	180	
Big Lime	1916	1976	60	
Keener	1976	2036	60	
Sand Shells	2036	2136	100	
Slate	2136	2390	254	
Brown Shale	2390	2413	23	
Berea Sand	2413	2432	19	

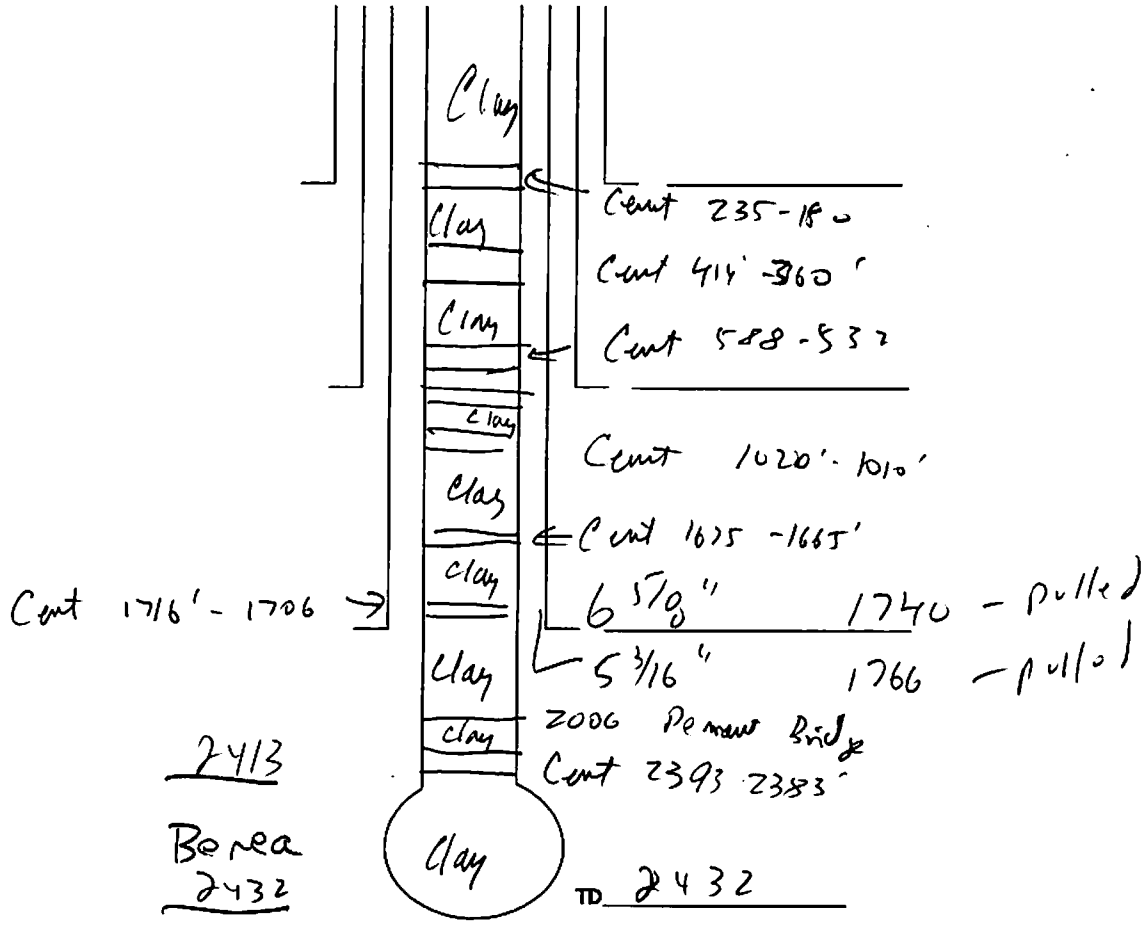
47-043-30258

W Vic Ices 3

W Vickers 3

Griffithsville Unit #2 Field

47-043- 30258



From Drillers Records/Plugging Records

47-043-30258

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.

G. W. Wilkerson — COAL OPERATOR OR OWNER
(If any) — COAL OPERATOR OR OWNER
Yawkey, W. Va. — ADDRESS
— COAL OPERATOR OR OWNER
— ADDRESS
(Same as above) — LESSEE OR PROPERTY OWNER
— ADDRESS

SOUTH PENN NATURAL GAS COMPANY
Union Trust Building, Parkersburg, W.Va.
COMPLETE ADDRESS

February 2, 1942.
WELL AND LOCATION
Duval — District
Lincoln — County
Well No. 3
Walter Vickers — Farm
None

STATE INSPECTOR SUPERVISING PLUGGING

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Rex Mason and Thos. B. 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 21st day of August, 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
		2432	2383			
Berea	Clay	2393	2383			
	Cement	2006	....	5-3/16"-1766'		0000
Permanent Brid	at	2006	1766	6-5/8" -1740'		0000
B. Injun-B. Lime	Clay	1766	1740			
	Clay	1740	1716			
	Clay	1716	1706			
	Cement	1706	1675			
Little Lime	Clay	1675	1665			
	Cement	1665	1020			
Salt Sand	Clay	1020	1010			
	Cement	1010	588			
	Clay	532	414			
	Clay	360	235			
	Clay	180	to surface			
	Clay					
COAL SEAMS				DESCRIPTION OF MONUMENT		
No Name	Cement	588	532	8-1/4" csg. ext. 3' above surface.		
No Name	Cement	414	360	Filled with cement. Inscribed on		
No Name	Cement	235	180	top - S.P.N.G.Co.-Walter Vickers		
				76 - Abd. 9-10-41		

and that the work of plugging and filling said well was completed on the 10th day of September, 1941.

And further deponents saith not.

Rex Mason
Thos. B. Jenkins

Subscribed and sworn to before me this 9th day of Feb., 1942.

J. W. Smith
Notary Public.

My commission expires Dec. 13, 1942.

Permit No. LIN-258

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

392

AOR - Well Review Checklist

API Number: 47- 043 - 02198 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 4

Farm Name: W. Vickers

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: 2359'

Completion Zones: Berea. Perforated Interval:

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

Easting: 417,577 Northing: 4,232,283

Elevation: 261

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.*

Field, District County

Rig Commenced 19 , Completed 19

Drilling Commenced 11-29-26 19 , Completed January 11 1913

Cost per foot, 1'5 Contractor, Hardy & Thurman Oil Co. Address, Hardy, W. Va.

Drillers' Names - Guy Rollins & W.D. Rodgers

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						1653T				

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						1652				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
1/14/13	80qt			

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		16	16	E. [illegible]
Red Rock	16	58	42	
Sand	58	78	20	
Slate	78	128	50	
Shale	128	173	45	
Slate	173	210	37	
Lime	210	285	75	285' 10" Hole.
Sand	285	288	3	
Lime	288	438	150	
Slate	438	468	30	
Sand	468	563	95	
Slate	563	640	127	
Shale	640	720	30	
Slate	720	860	140	
Lime	860	885	25	Hole full of Water 1015'
Slate	885	925	40	
Lime	925	945	20	
Slate	945	960	15	
Salt Sand	960	1533	573	
Slate	1533	1538	5	
Maxton Sand	1538	1588	50	
Slate	1588	1603	15	
Little Lime	1603	1638	35	
Pencil Cave	1638	1648	10	
Big Lime	1648	1828	180	
Big Injun	1828	1885	57	
Slate	1885	1935	50	
Shells	1935	2025	90	
Slate	2025	2317	292	
Brown Shale	2317	2337	20	
Berea Sand	2337	2359	20	

47-043-02198

WD Tickets 4

WWR-38

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

47-043-02198

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: Walter Vickers
LOCATION: Elevation: 861'
District: Duval
Latitude: _____
Longitude: _____

Operator Well No.: #4
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: 10/19/2007

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 1st day of November, 2007, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
			6 5/8" 1200'	455'
Cement	2315'	2215'		
Cement	1810'	1700'		
Cement	1250'	1150'		
Cement	850'	750'		
Cement	400'	300'		
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 7th day of November, 2007
And further deponents saith not.

Mark Miller
Richard D Moore

Sworn and subscribe before me this _____ day of _____

My commission expires: _____ Notary Public

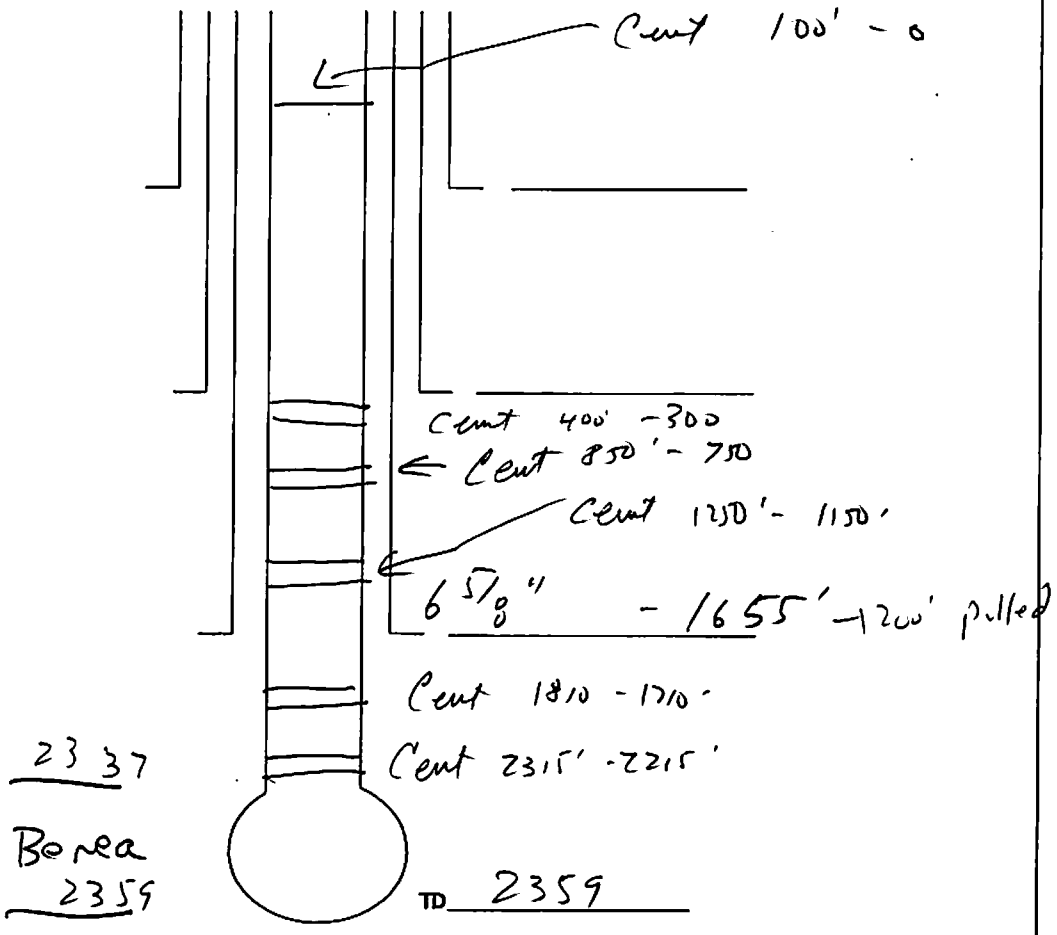
Affidavit reviewed by the Office of Oil and Gas:

Ralph D. Triplett
Title: District Inspector

W Vickers 4

Griffithsville Unit #2 Field

47-043- 02198



From Drillers Records/Plugging Records

393

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

AOR - Well Review Checklist

API Number: 47- 043 - 31049 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 5
Farm Name: W Vickers
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: 417,740 ? Northing: 4,232,232
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.*

RECORD of Well No. 5 on Walter Virden Farm Acres 41.043-31049

Field, District County

Rig Commenced 19 , Completed 19

Drilling Commenced July 23 1913, Completed Sept 9 1913

Cost per foot, 1.15 Contractor Gurley & Duncan Co. Address, Clarksburg, W. Va.

Drillers' Names Guy Loveless & W.D. Boatgate

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
14						1820				

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
14						1820				

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods
9/11/13	80 qts			

GAS WELL

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

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor		14	14	
Red Rock	14	150	136	
Slate	150	290	140	
Sand	290	320	30	
Slate	320	385	65	
Sand	385	450	65	320' of 10" hole
Coal	450	454	4	
Sandy	454	534	80	
Slate	534	600	66	
Sand	600	725	125	
Slate	725	815	90	
Sand	815	965	150	
Slate	965	1020	55	
Sand	1020	1050	30	Hole full of water at 1165'
Lime	1050	1105	55	
Salt sand	1105	1697	592	
Slate	1697	1700	3	
Maxton Sand	1700	1747	47	
Slate	1745	1767	20	
Little Lime	1767	1797	30	
Pencil Cave	1797	1808	11	
Big Lime	1808	1998	190	
Big Injun	1998	2068	70	
Slate	2068	2148	80	
Shells	2148	2233	85	
Slate	2233	2450	217	
Brown Shale	2450	2482	32	
Berea Sand	2482	2504	22	

FORM O-2-B

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

31049

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
Griffithsville, W. Va.
COMPLETE ADDRESS
Feb. 9, 1952
WELL AND LOCATION
Duval District
Lincoln County
Well No. 5
W. J. Vickers Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lanzon

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

J. C. McAllister and E. A. Record 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 20 day of Sept., 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
	Per. bridge	2040'		7"	1820'	none
	neat cement	2040'	2030'			
	crushed stone	2030'	2025'			
	filled with clay	2025'	2015'			
	neat cement	2015'	2010'			
	set bridge	2010'				
	neat cement	2010'	2000'			
	crushed stone	2000'	1995'			
	filled with clay	1995'	1990'			
	neat cement	1990'	1980'			
	crushed stone	1980'	1975'			
	set bridge	1975'				
	neat cement	1975'	1965'			
	crushed stone	1965'	1960'			
	filled with clay	1960'	1955'			
	neat cement	1955'	1945'			
	set bridge	1945'				
	neat cement	1945'	1935'			
	crushed stone	1935'	1930'			
	filled with clay	1930'	1925'			
	neat cement	1925'	1915'			
	set bridge	1915'				
	neat cement	1915'	1905'			
	crushed stone	1905'	1900'			
	filled with clay	1900'	1895'			
	neat cement	1895'	1885'			
	set bridge	1885'				
	neat cement	1885'	1875'			
	crushed stone	1875'	1870'			
	filled with clay	1870'	1865'			
	neat cement	1865'	1855'			
	set bridge	1855'				
	neat cement	1855'	1845'			
	crushed stone	1845'	1840'			
	filled with clay	1840'	1835'			
	neat cement	1835'	1825'			
	set bridge	1825'				
	neat cement	1825'	1815'			
	crushed stone	1815'	1810'			
	filled with clay	1810'	1805'			
	neat cement	1805'	1795'			
	set bridge	1795'				
	neat cement	1795'	1785'			
	crushed stone	1785'	1780'			
	filled with clay	1780'	1775'			
	neat cement	1775'	1765'			
	set bridge	1765'				
	neat cement	1765'	1755'			
	crushed stone	1755'	1750'			
	filled with clay	1750'	1745'			
	neat cement	1745'	1735'			
	set bridge	1735'				
	neat cement	1735'	1725'			
	crushed stone	1725'	1720'			
	filled with clay	1720'	1715'			
	neat cement	1715'	1705'			
	set bridge	1705'				
	neat cement	1705'	1695'			
	crushed stone	1695'	1690'			
	filled with clay	1690'	1685'			
	neat cement	1685'	1675'			
	set bridge	1675'				
	neat cement	1675'	1665'			
	crushed stone	1665'	1660'			
	filled with clay	1660'	1655'			
	neat cement	1655'	1645'			
	set bridge	1645'				
	neat cement	1645'	1635'			
	crushed stone	1635'	1630'			
	filled with clay	1630'	1625'			
	neat cement	1625'	1615'			
	set bridge	1615'				
	neat cement	1615'	1605'			
	crushed stone	1605'	1600'			
	filled with clay	1600'	1595'			
	neat cement	1595'	1585'			
	set bridge	1585'				
	neat cement	1585'	1575'			
	crushed stone	1575'	1570'			
	filled with clay	1570'	1565'			
	neat cement	1565'	1555'			
	set bridge	1555'				
	neat cement	1555'	1545'			
	crushed stone	1545'	1540'			
	filled with clay	1540'	1535'			
	neat cement	1535'	1525'			
	set bridge	1525'				
	neat cement	1525'	1515'			
	crushed stone	1515'	1510'			
	filled with clay	1510'	1505'			
	neat cement	1505'	1495'			
	set bridge	1495'				
	neat cement	1495'	1485'			
	crushed stone	1485'	1480'			
	filled with clay	1480'	1475'			
	neat cement	1475'	1465'			
	set bridge	1465'				
	neat cement	1465'	1455'			
	crushed stone	1455'	1450'			
	filled with clay	1450'	1445'			
	neat cement	1445'	1435'			
	set bridge	1435'				
	neat cement	1435'	1425'			
	crushed stone	1425'	1420'			
	filled with clay	1420'	1415'			
	neat cement	1415'	1405'			
	set bridge	1405'				
	neat cement	1405'	1395'			
	crushed stone	1395'	1390'			
	Filled with clay to surface	1390'	surface			

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	Erected marker according to
(NAME)	rule 18, 1951 regulations.
(NAME)	
(NAME)	

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

And further deponents saith not.

J. C. McAllister
E. A. Record

Sworn to and subscribed before me this 13 day of February, 19 52.

J. R. Osborne
Notary Public.

My commission expires Oct. 9, 1957

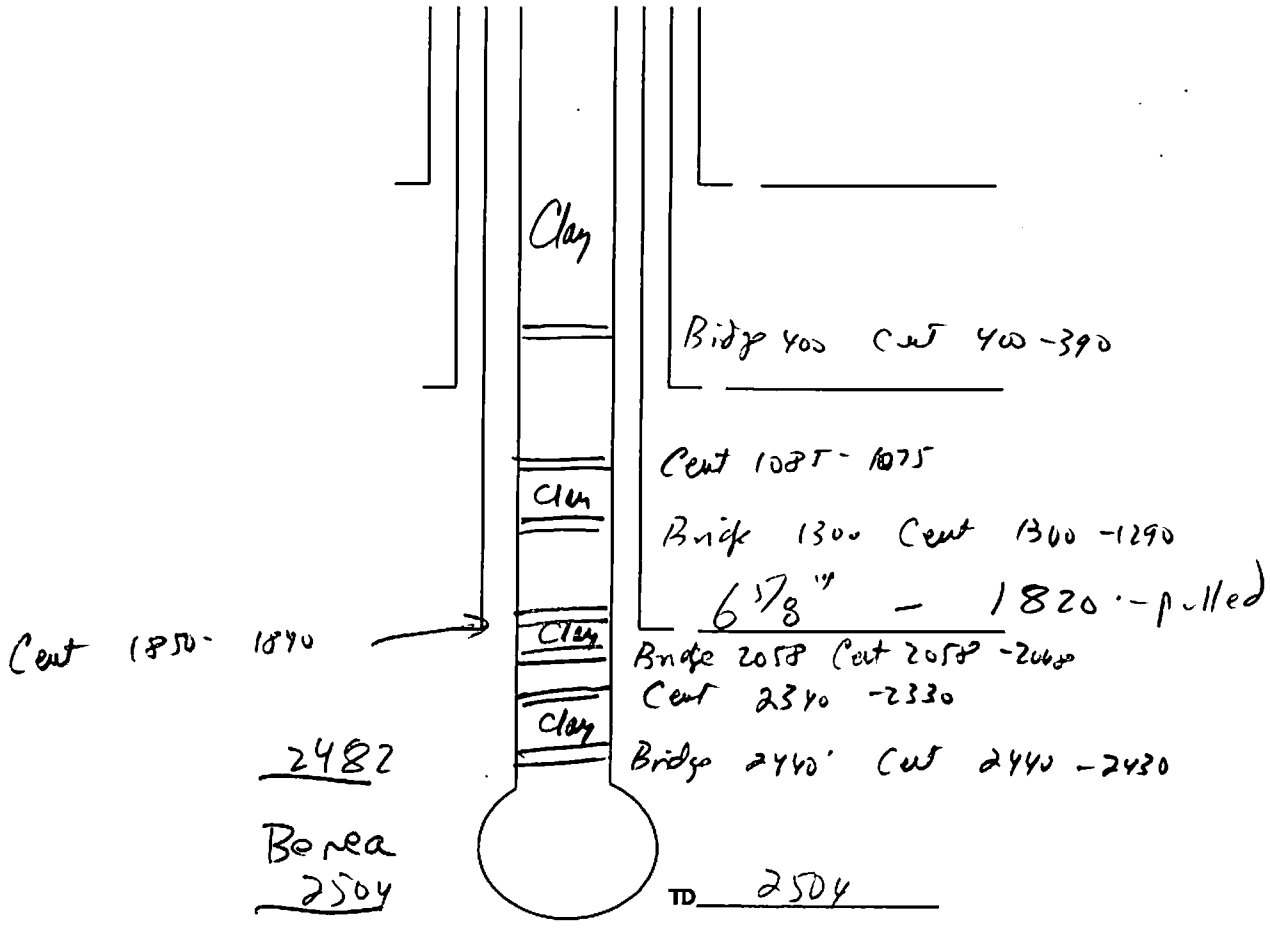
Permit No. Lin.-1049

FEB 1952
WEST VIRGINIA
DEPARTMENT OF MINES

W Vickers 5

Griffithsville Unit #2 Field

47-043- 31049



From Drillers Records/Plugging Records

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

394

AOR - Well Review Checklist

API Number: 47- 043 - 30259 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 6
Farm Name: W Vickers
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: 417,788 Northing: 4,232,620
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.*

RECORD of Well No. 6 on W. Mackin Farm ____ Acres

Well Field, Duval District Lincoln County

Rig Commenced ____ 19__, Completed ____ 19__

Drilling Commenced Nov 1 1916, Completed Dec 13 1916

Cost per foot, 12½ Contractor Boone Drilling Co Address, Yawkey W. Va.

Drillers' Names A. A. Delong & J. H. Bracey

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
13						1770				

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
13						1770 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
12/18/16	80qr									

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil		13	13	
Red Rock	13	33	20	Hole full Salt Water at 1160
Slate	33	193	160	
Sand	193	223	30	
Slate	223	283	60	Reduced hole from 10" to 8"
Sand	283	470	187	at 400'
Coal	470	472	2	
Slate	472	502	30	
Sand	502	652	150	
Slate	652	692	40	
Sand	692	992	300	
Slate	992	1062	70	
Lime Shells	1062	1100	38	
Salt Sand	1100	1720	620	water
Slate	1720	1725	5	
Black Lime	1725	1760	35	
Pencil Cave	1760	1765	5	
White Lime	1765	1945	180	
Big Injun	1945	2005	60	
Slate	2005	2085	80	
Shelly	2085	2245	160	
Slate	2245	2431	186	
Brown Shale	2431	2451	20	
Berea Grit	2451	2473	22	

Abandoned 8/20/41

47-043-3059

47-043-30259

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.

(If any) COAL OPERATOR OR OWNER: C. W. Walkerson, Yawkey, W. Va.
ADDRESS

COAL OPERATOR OR OWNER
ADDRESS

LESSEE OR PROPERTY OWNER: (Same as above)
ADDRESS

SOUTH PENN NATURAL GAS COMPANY
Union Trust Building, Parkersburg, W. Va.
COMPLETE ADDRESS

February 2, 194 3.

WELL AND LOCATION

Duval District
Lincoln County
Well No. 6
Walter Vickers Farm
None

STATE INSPECTOR SUPERVISING PLUGGING

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Lincoln } ss:

Rex Mason and Thos. D. 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 4th day of August, 194 2., and that the well was plugged and filled in the following manner:

CASING OR TUBING RECORDED	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Berea	Clay	2473	2431			
	Cement	2431	2421			
Permanent Bridge at		2035		6-5/8"-1770'		----
Big Injun	Clay	2035	1770			
Big Lime	Clay	1770	1745			
	Cement	1745	1735			
Little Lime	Clay	1735	1705			
	Cement	1705	1695			
Salt Sand	Clay	1695	1080			
	Cement	1080	1070			
	Clay	1070	628			
	Clay	572	464			
	Clay	464	to surface			

COAL SEAMS				DESCRIPTION OF MONUMENT
No Name	Cement	628	572	8-1/4" csg. Filled with cement.
No Name	Cement	464	409	Inscribed:- S.P.N.G.Co.
				Walter Vickers #6-
				Abd. 8-23-41

and that the work of plugging and filling said well was completed on the 23rd day of August, 194 2.

And further deponents saith not.

Rex Mason
Thos. D. Jenkins

Sworn to and subscribed before me this 7th day of Sept., 1942.

H. H. Smith
Notary Public.

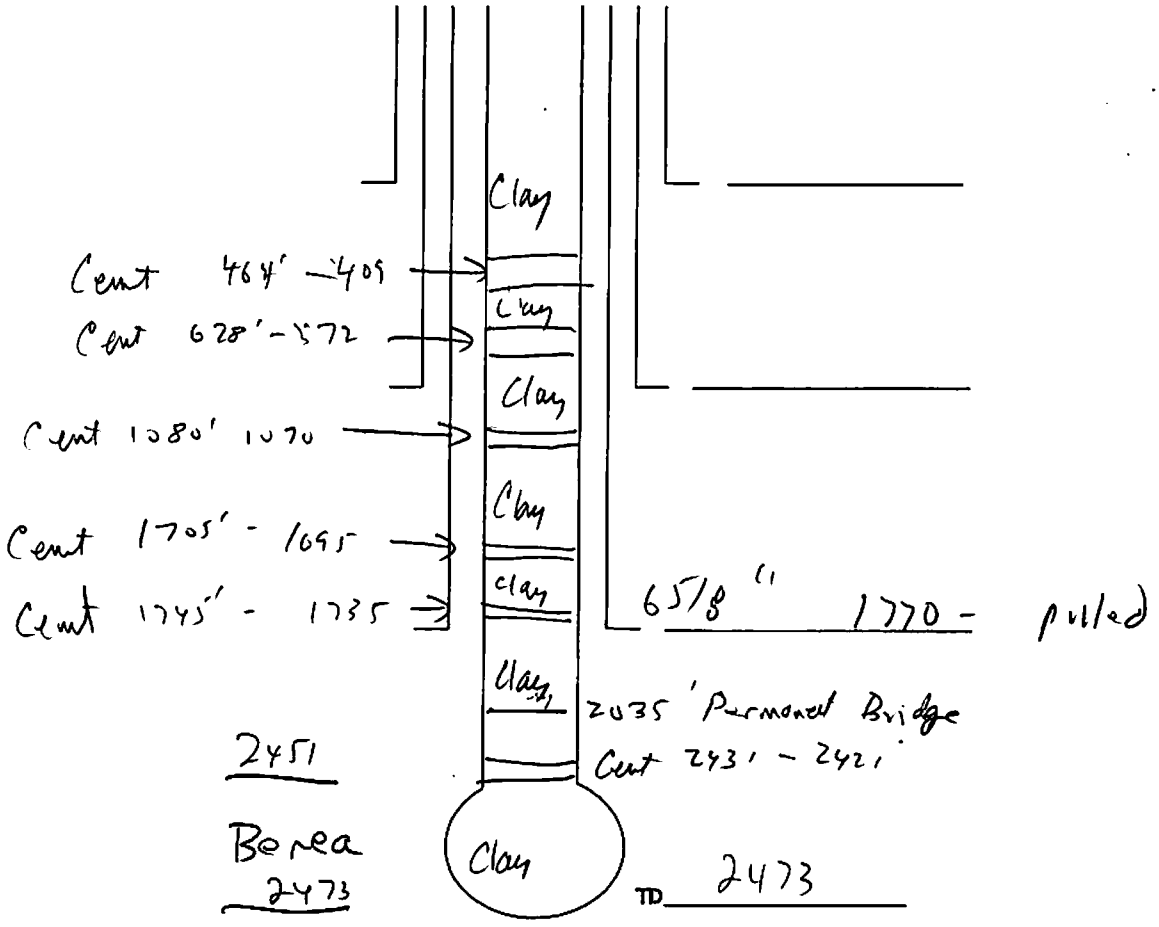
Permit No. 259

My commission expires: Dec 7-1947

W Vickers 6

Griffithsville Unit #2 Field

47-043- 30259



From Drillers Records/Plugging Records

395

WVDEP OOG Internal Use Only
Rev. 9/14/16

AOR - Well Review Checklist

API Number: 47- 043 - 30560 Area Permit Number: 2R AP
Operator Name: H6 Energy LLC
Operator's Well #: 1
Farm Name: MC Worth (A6 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: 2590
Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 416,162 Northing: 4,234,879
Elevation: 379
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

1-30560

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			
Wsha.			
6¼	1806'	1806'	Depth set
5 3/16			
3			Perf. top
2	2590'	2590'	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	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)

30560

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 the Operation
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	FILLING MATERIAL			PLUGS USED	CASING	
FORMATION	CONTENT	FROM	TO	SIZE & KIND	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 2170'. Filled hole through Big Injun and Big Lime with non-porous material. Set 10' Cement plug on sand 1910' to 1900' being 30' below pipe sealing off Big Injun and Big Lime. (2 Sks. 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	DESCRIPTION OF MONUMENT
(NAME)	A. G. Lawrence #1
(NAME)	U. F. G. Co.
(NAME)	Abdt. 12/24/48
(NAME)	

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

Notary Public.

My commission expires:
April 1, 1957

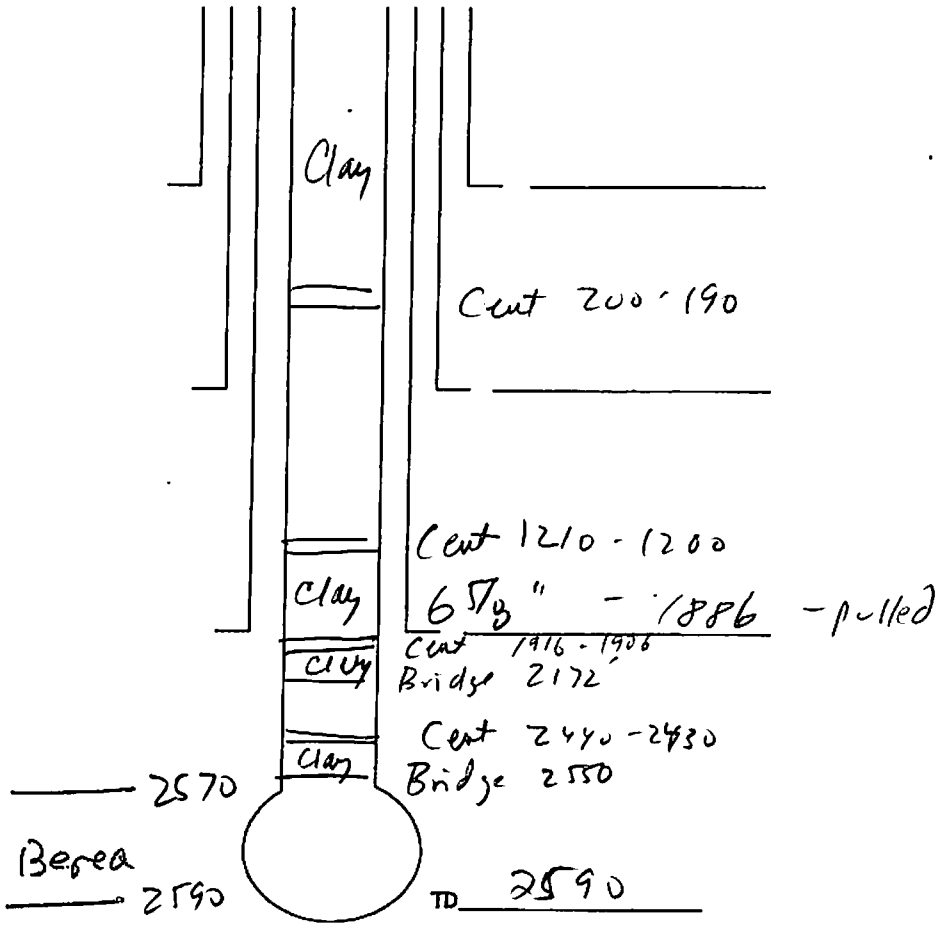
Permit No. L 560

LIN-560

McWorth (AG Laurence) #1

Griffithsville Unit #2 Field

47-043- 30580



From Drillers Records/Plugging Records

396

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

AOR - Well Review Checklist

API Number: 47- 043 - 30354 Area Permit Number: 2R AP
Operator Name: H6 Energy LLC
Operator's Well #: 2
Farm Name: MC Worth (AG Lanane)
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: 2626
Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415, 999 Northing: 4,234,851
Elevation: 343
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 47-043-30354

Permit No. ____

Oil or Gas Well Oil Well (KIND)

Company Frick-Reid Supply Corporation
Address Drawer 2481, Tulsa, Okla.
Farm A. G. Lawrance Acres 31
Location (waters) Sam's Br. of Str. Fk. Mud River
Well No. Two Elev. 1126
District Duval County Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by
Address
Drilling commenced September 28, 1909
Drilling completed November 16, 1909
Date Shot 11/16/09 From 2608 To 2626
With 85 Qts Nitro-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 1380 feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 Wood	16	16	
10			Size of
8¼	535	-----	
6⅝	1933	1933	Depth set
5 3/16			
3			Perf. top
2		2626	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
			660	680			
Sand			680	705			
Slate			705	800			
Sand			800	825			
Slate			825	935			
Sand			935	975			
Slate			975	1095			
Lime shells			1095	1290			
Slate			1290	1892	Water	1380	Hole full.
Salt sand			1892	1928			
Little lime			1928	1932	1923-47'		
Pencil cave			1932	2113			
Big lime			2113	2175			
Big Injun			2175	2606			
Slate & shells			2606	2626			
Berea sand							

NOV 1942
WEST VIRGINIA
DEPARTMENT OF MINES

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30354

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.

T. C. Mathews, Kan.Bnk& Tr.Bldg.
Charleston, W. Va.
H. K. Lawrence, c/o E. C. Warth, Atty.
Huntington, W. Va.
Virginia Lawrence, S. H. Lawrence,
Boyce Lawrence, Albert Lawrence,
Mabel Lawrence Jones and Bertha
Lawrence Bunn - T. Selden Jones,
Agent, 1st. Natl. Bank Bldg.,
Huntington, W. Va.
ADDRESS
Same As above
LEASE OR PROPERTY OWNER
(Coal Not Operated)
ADDRESS

Frick-Reid Supply Corporation
NAME OF WELL OPERATOR
Drawer 2481, Tulsa, Okla.
COMPLETE ADDRESS
June 1, 1943
WELL AND LOCATION
Duval District
Lincoln County
Well No Two
A. G. Lawrence 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 Corporation well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 6th 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
A string of tubing had been dropped in this well a number of years ago by the former owners and in attempting to recover same some tools & wire were also lost.						
Berea, Big Lime & Salt Sand	Junk	1073	2626			
	Plug	1070	1073	Wood 3"x6 1/8"		
	Stone	1065	1070			
	Cement	1045	1065			
	Clay	945	1045	6 5/8" Casing	950	983
	Plug	942	945	3"x 8" Wood		
	Cement&Stone	932	942			
	Bridge		500			
	Cement	493	500			
	Clay	Sur	493			

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME) None	7" Csg. filled with concrete &
(NAME)	ext. 30" above sur. & marked
(NAME)	"Frick-Reid Sup. Corp. A.G. Lawrence
(NAME)	#2 Abnd.5/15/43"

and that the work of plugging and filling said well was completed on the 15th day of May, 1943.

And further deponents saith not.

Jesse Mason
Donald Mason

Sworn to and subscribed before me this 17th day of June, 1943.

L. D. Lewis
Notary Public.

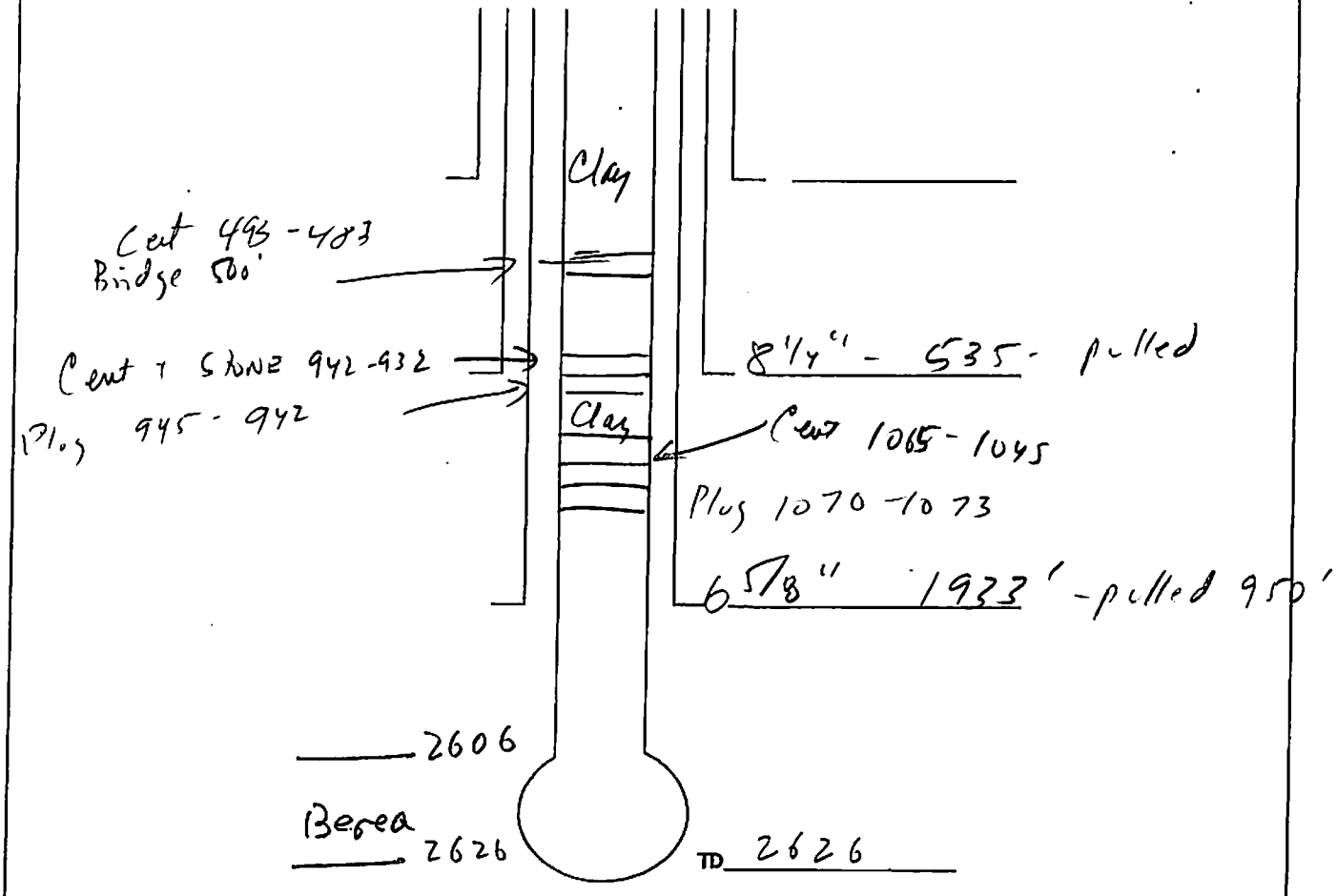
My commission expires: Dec. 7-1947

Permit No. LIN-354

M L Walth (A G Lawrance) 2

Griffithsville Unit #2 Field

47-043- 30354



From Drillers Records/Plugging Records

Tubing & tools lost in hole prior to plugging

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

397

AOR - Well Review Checklist

API Number: 47- 043 - 30355 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: Mc Warth (AG 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: 2532

Completion Zones: Berea. Perforated Interval:

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

Easting: 415,845 Northing: 4,234,739

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

47-043-30355

WELL RECORD

Permit No.....

Oil or Gas Well Oil Well (KIND)

Company Frick-Reid Supply Corporation
Address Drawer 2481, Tulsa, Okla.
Farm A. G. Lawrence Acres 31
Location (waters) Sam's Br. of Str. Fk. Mud River
Well No. Three Elev. 1031
District Duval County Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by
Address
Drilling commenced December 10, 1909
Drilling completed January 28, 1910
Date Shot 1/29/10 From 2512 To 2530
With 90 Qts Nitro-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 1280 feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
18 Wood	16	16	
10			Size of
8¼			
6⅝	1832	1832	Depth set
5 3/16			
3		2532	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	40			
Slate			40	100			
Red rock			100	135			
Slate			135	190			
Sand			190	310			
Slate			310	330			
Sand			330	510			
Slate			510	600			
Sand			600	840			
Slate			840	937			
Sand			937	1002			
Slate			1002	1042			
Sand			1042	1142			
Slate			1142	1800	Water	1280	
Salt sand			1800	1820			
Little lime			1820	1832			
Pencil cave			1832	1997			
Big lime			1997	2157			
Slate			2157	2257			
Lime shells			2257	2492			
Slate			2492	2510			
Slate	Black		2510	2532			
Berea sand			2534				
Total depth							

NOV 1942
WEST VIRGINIA
DEPARTMENT OF MINES

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30355

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.

T. C. Mathews, Kan.Bnk&Tr.Bldg. Charleston, W. Va.
H. K. Lawrence, c/o T.C.Warth, Atty. Huntington, W. Va.
Virginia Lawrence, S. H. Lawrence, Boyce Lawrence, Albert Lawrence, Mabel Lawrence Jones and Bertha Lawrence Bunn - T. Selden Jones, 1st Nat'l Bank Bldg. Huntington, W. Va. Agent.
Same as Above
LEASE OR PROPERTY OWNER
(Coal Not Operated)
ADDRESS

Frick-Reid Supply Corporation
NAME OF WELL OPERATOR
Drawer 2481, Tulsa, Okla.
COMPLETE ADDRESS
June 1, 1943
WELL AND LOCATION
Duvall District
Lincoln County
Well No. Three
A. G. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin N. Hall

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

Arlie Satterfield and Emery Mosteller 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 21st 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	CASING CSG LEFT IN
Berea	Bridge	2500	2534			
	Clay	2480 ✓	2500			
	Plug	2497	2500	Wood 3'x6-1/8"		
	Cement	2487	2497			
	Bridge		2030			
	Clay	1860	2030			
	Plug	1857	1860	Wood 3'x6-1/8"		
Big Lime	Cement	1847 ✓	1857			
	Clay	1120	1857	6 5/8" Csg	1833	None
Salt Sand	Cement	1110 ✓	1120			
	Bridge		500			
	Cement	493	500			
	Clay	Sur	493			

COAL SEAMS (NAME)	
	None

DESCRIPTION OF MONUMENT
7" Csg. filled with concrete & ext. 30" above sur. & marked "Frick-Reid Sup.Corp.A.G.Lawrence #3 Abnd.May 29, 1943"

and that the work of plugging and filling said well was completed on the 29 day of May, 1943.

And further deponents saith not.

Arlie Satterfield
Emery Mosteller

Sworn to and subscribed before me this 12 day of June, 1943.

JUN 1943

Notary Public.

My commission expires: Dec. 7-1947

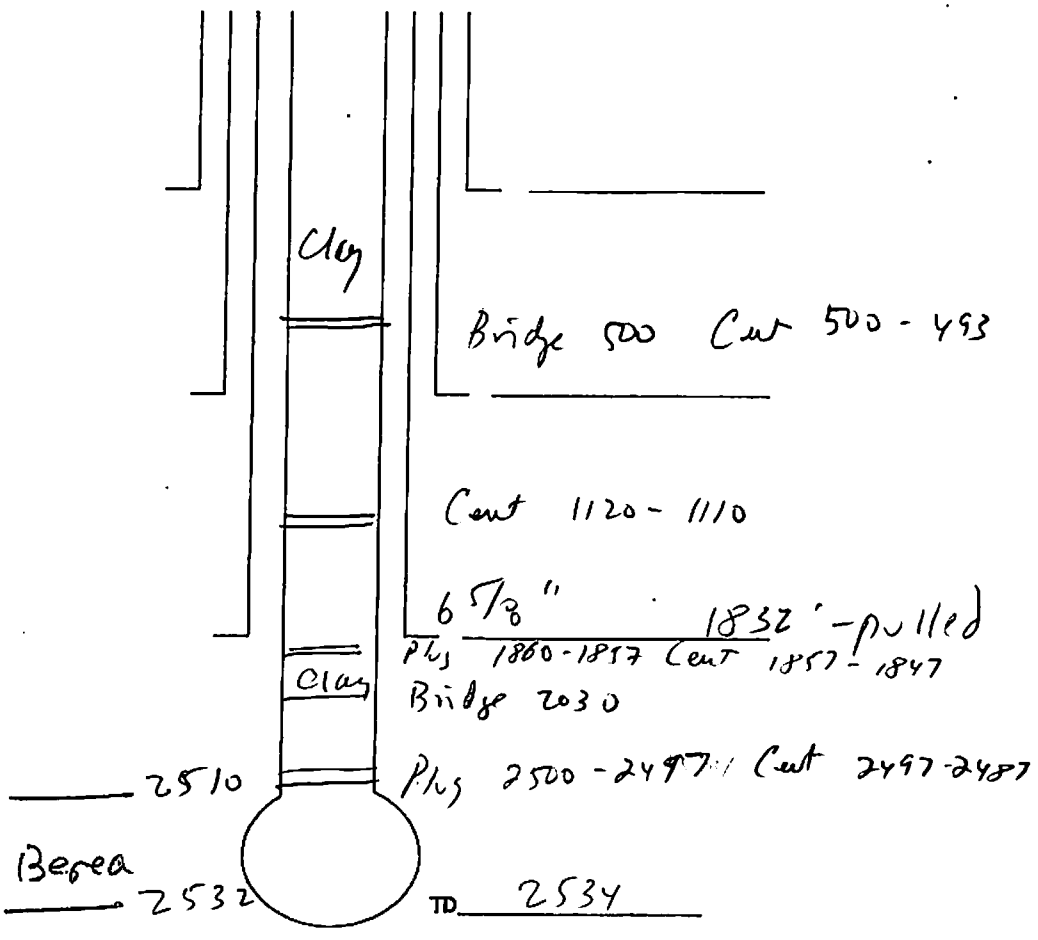
Permit No. LIN-355

JOHNSTON PRINTING COMPANY, CHARLESTON, W. VA.

Mc Worth (A & Laurence) 3

Griffithsville Unit #2 Field

47-043- 30355



From Drillers Records/Plugging Records

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

398

AOR - Well Review Checklist

API Number: 47-043 - 30572 Area Permit Number: 2R AP
Operator Name: H6 Energy
Operator's Well #: 4
Farm Name: MC Worth (A 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:
Completion Zones: Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,656 Northing: 4,234,708
Elevation: 326
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 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

399

AOR - Well Review Checklist

API Number: 47- 043 - 30356 Area Permit Number: 2R AP

Operator Name: HG Energy LLC

Operator's Well #: 5

Farm Name: Mc Watts (AG 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: 2704

Completion Zones: Berea Perforated Interval:

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

Easting: 415,640 Northing: 4,234,881

Elevation: 281

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.*

30356

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. .....

Oil or Gas Well Oil Well
(KIND)

Company Frick-Reid Supply Corporation
Address Drawer 2481, Tulsa, Okla.
Farm A. G. Lawrence Acres 31
Location (waters) Valley Fk of Str. Fk. Mud River
Well No. Five Elev. 908
District Duval County Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by
Address
Drilling commenced May 3, 1910
Drilling completed June 30, 1910
Date Shot 7/1/10 From 2384 To 2402
With 85 Qts Nitro-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			
16			Kind of Packer
13 Wood	16	16	
10			Size of
8¼			
6¾	1710	1710	Depth set
5 3/16			
3			Perf. top
2		2402	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
Slate			0	20			
Red rock			20	55			
Slate			55	95			
Sand			95	115			
Slate			115	200			
Red rock			200	220			
Sand			220	260			
Slate			260	320			
Sand			320	410			
Slate			410	610			
Sand			610	700			
Slate			700	750			
Sand			750	1045			
Slate & shells			1045	1110			
Salt sand			1110	1662			
Little lime			1662	1697			
Pencil cave			1697	1702	1710 - 63'		
Big lime			1702	1882			
Red rock			1882	2012			
Slate			2012	2092			
Squaw sand			2092	2172			
Slate & shells			2172	2382			
Berea sand			2382	2402			
Total depth			2404				

Nov 1942

(Over)

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30356

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.

T.O.Mathews, Kan. Bnk.Bldg., Charleston, W. Va.
COAL OPERATOR OR OWNER

H. E. Lawrence, c/o H.C.Warth, Atty., Huntington, W. Va.
ADDRESS

Virginia Lawrence, S.H.Lawrence, Boyce Lawrence, Albert Lawrence, Mabel Lawrence Jones and Bertha Lawrence Bunn- T. Selden Jones, Agent, 1st. Natl. Bank Bldg., Huntington, W.Va.
LEASE OR PROPERTY OWNER

Same As above
ADDRESS

Frick-Reid Supply Corporation
NAME OF WELL OPERATOR

Drawer 2481, Tulsa, Okla.
COMPLETE ADDRESS

July 1, 1943
WELL AND LOCATION

Duval District

Lincoln County

Well No. Five

A. G. Lawrence Farm

STATE INSPECTOR SUPERVISING PLUGGING Calvin N. Hall

AFFIDAVIT

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

Arlie Satterfield and Emery Mosteller 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 11th day of June, 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	CASING CSG LEFT ft
Pulled 2" Tubing & found Crumley Packer set in 6-5/8" Casing at 790'						
6-5/8" Casing Pulled 800' and packer removed.- Hole measured & found clear to bottom			2404'			
Total depth			2375'			
Bridge						
	Clay	2355'	2375'	Wood 3'x6-1/8"		
	Plug	2352'	2355'			
	Cement	2342'	2352'			
	Bridge		1915'		1710	None
	Clay	1740'	1915'			
	Plug	1737	1740'	Wood 3'x6-1/8"		
Big Lime	Cement	1727	1737'			
	Clay	1090'	1727'			
Salt Sand	Cement	1080'	1090'			
	Bridge		450'			
COAL SEAMS	Cement	443	450'	DESCRIPTION OF MONUMENT		
(NAME)	Clay	443	Surf.	7" Csg. ext. 30" above ground filled with concrete & marked Frick-Reid Sup.Corp. A.G.Lawrence #5 Abnd Jun.19.1943"		
(NAME)						
(NAME) NONE						
(NAME)						

and that the work of plugging and filling said well was completed on the 19th day of June, 1943.

And further deponents saith not.

Arlie Satterfield
Emery Mosteller

Sworn to and subscribed before me this 31 day of August, 1943.

H. H. Snodgrass
Notary Public.

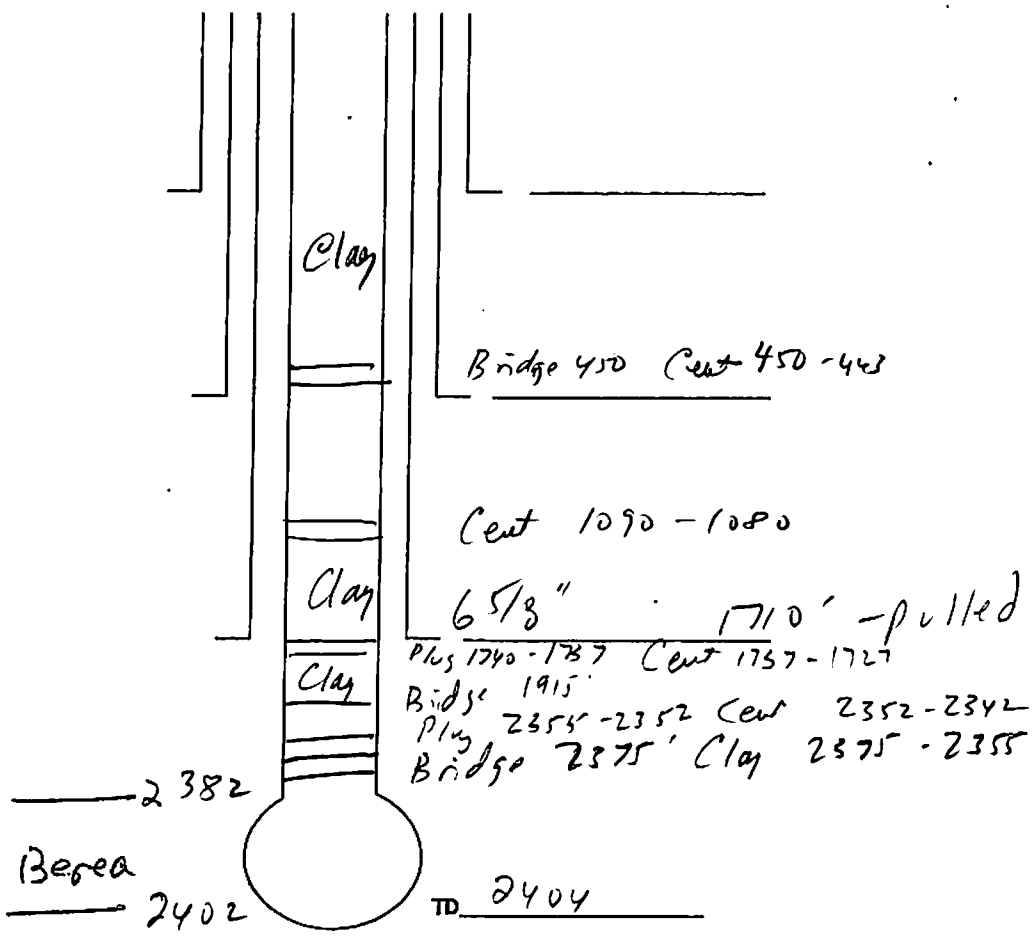
My commission expires:

Permit No. LIN-356

M C Warth (A G Laurance) 5

Griffithsville Unit #2 Field

47-043- 30356



From Drillers Records/Plugging Records

WVDEP OOG Internal Use Only
Rev 6/14/16

400

AOR - Well Review Checklist

API Number: 47- 043 - 30334 Area Permit Number: 2R AP
Operator Name: H6 Energy LLC
Operator's Well #: 6
Farm Name: M C Warth (AG 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: 2364
Completion Zones: Berea Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 415,779 Northing: 4,234,940
Elevation: 266
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

47-043-30534

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 A. G. Lawrence Acres
Location (waters) Sugar Tree Branch
Well No. 6 Elev.
District Duval County Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by Mabel Jones, Agt.
1025 - 12th Street, Address Huntington, W. Va.
Drilling commenced Not Given
Drilling completed 8-17-19
Date Shot 8-19-10 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			Depth set
6⅝	1680	1680	
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	40			
Slate			40	60			
Sand			60	348			
Slate			348	398			
Sand			398	588			
Slate			588	673			
Sand			673	915			
Slate			915	935			
Sand			935	1072			
Slate			1072	1618			
Salt Sand			1618	1660			
Little Lime			1660	1665			
Pencil Cave			1665	1830			
Big Lime			1830	1880			
Big Injun			1880	1990			
Slate			1990	2090			
Lime Shells			2090	2319			
Slate			2319	2339			
Black Slate			2339	2362			
Berea Sand				2364			
Total Depth							

OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

47-043-30534

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
Jan. 16, 1949
WELL AND LOCATION
Duval District
Lincoln County
Well No. 6
A.G.Lawrence Farm
D.E.Lawson

STATE INSPECTOR SUPERVISING PLUGGING

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 24 day of Dec., 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 2319'. Filled hole 110' with non-porous material. Set 10' Cement Plug on same sealing off Berea Sand.						
Lime & Injun: Set bridge 30' below Big Injun Sand at 1910'. Filled hole through Big Injun and Big Lime with non-porous material to 30' below pipe. Set 10' Cement Plug on same at 1710' to 1700' sealing off Big Injun & Big Lime. Filled hole as pipe was removed. 5' Crushed stone on cement plug.						
Salt Sand - Filled hole from 1648' with non-porous material to 20' above top of Salt Sand. Set 10' Cement plug on same at 1052' to 1042' sealing off Salt Sand.						
Open hole to 200' - Set bridge and 10' Cement plug on same at 200' to 190'.						
Filled hole with nonporous material to surface. Set Cement Marker 12" x 12" x 30" marking date of abandonment.						

COAL SEAMS	DESCRIPTION OF MONUMENT
(NAME)	U.F.G.Co.
(NAME)	A.G.Lawrence #6
(NAME)	ABDT 1/13/49
(NAME)	

and that the work of plugging and filling said well was completed on the 13 day of January, 1949.

And further deponents saith not.

E. J. Elkins
Clyde Satterfield

Sworn to and subscribed before me this 16 day of January, 1949.

JAN 1949 WEST VIRGINIA DEPARTMENT OF MINES

Notary Public.

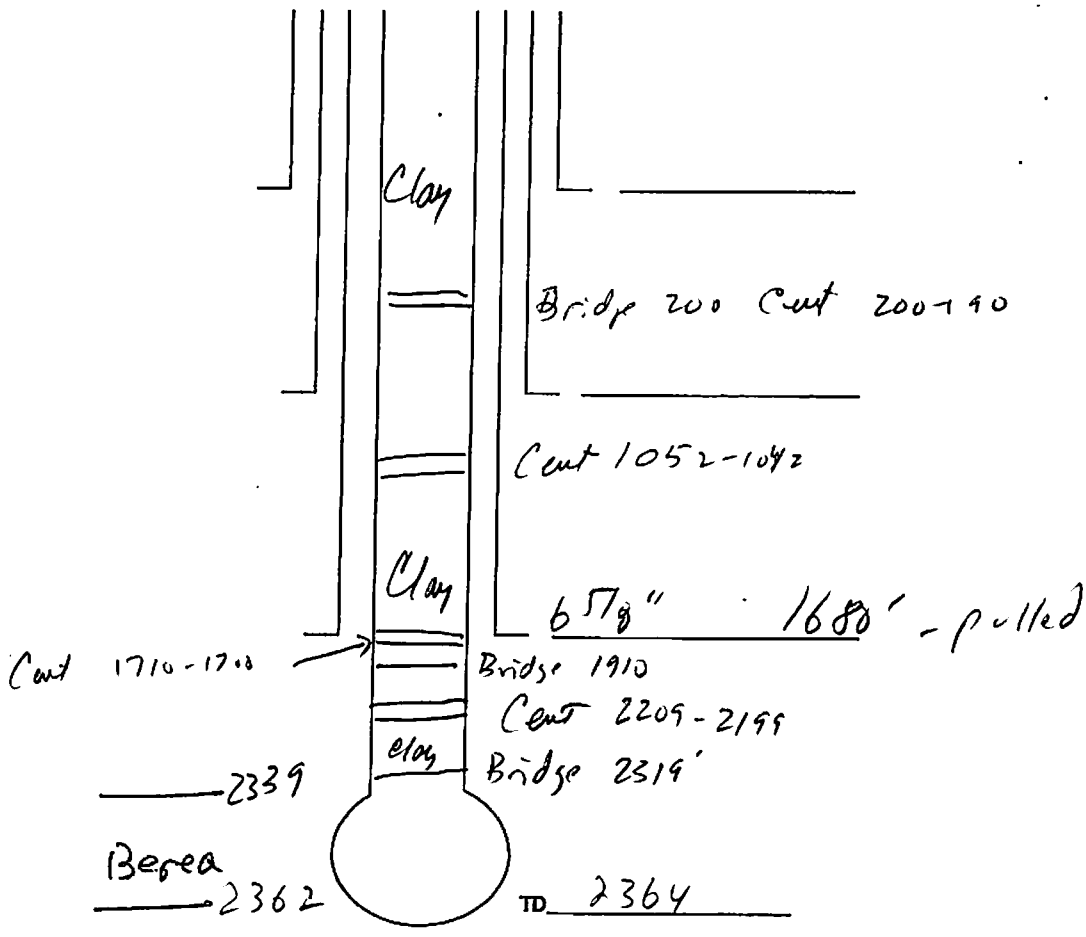
My commission expires: April 1, 1957

Permit No. LIN-534

N C Worth (A G Laurance) 6

Griffithsville Unit #2 Field

47-043- 30354



From Drillers Records/Plugging Records

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

AOR - Well Review Checklist

(401)

API Number: 47-043-30571 Area Permit Number: 2R AP

Operator Name: H6 Energy

Operator's Well #: 7

Farm Name: N C Watts (H6 Lessee)

Field Name: Grantsville 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: Perforated Interval:

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

Easting: 415,616 Northing: 4235,011

Elevation: 241

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 35 T 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

402

AOR - Well Review Checklist

API Number: 47- 043 - 30745 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 1

Farm Name: James A White

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: 2400

Completion Zones: Berea. Perforated Interval:

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

Easting: 417,604 Northing: 4,232,876

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.*

First 24 Hours from ____ Sand ____ Bbls. By ____ Supt.

James A. White Farm, No. of Lease ____ No. Acres.

District Lincoln County Wa. State.

Well No. One Date of Location ____ 19__

Rig Commenced ____ 19__
Rig Completed ____ 19__ } ____ Contractor.

Drilling Commenced Aug. 27th 19 07
Drilling Completed Oct. 25th 19 07 } Chamberlin & Co Contractor.

CASING RECORD

Size	Changed to Well Ft.	In.	Put in Well Ft.	In.	Bottom of Casing Ft.	In.	Pulled out of Well Ft.	In.	Left in Well Ft.	In.	Transferred before completion Ft.	In.	Left at well but in use Ft.	In.
10	37		37		37				37					
8-1/4	365		365		365		365		[illegible]					
6-5/8	1860		1860		1860				1860					
5-3/16	1875		1875		1875				1875					

Formation	Top	Bottom	Thickness
Slate & Sand	0	330	
Coal	330	335	
Slate & Sand	335	1045	
Salt sand	1045	1245	
Slate & Sand	1245	1650	
Big Lime	1650	1880	
" Injun Sand	1880	1930	
Slate	1930	1980	
" & Shells	1980	2090	
"	2090	2353	
Black Slate	2353	2375	
Berea Sand	2375	2391	
Slate	2391	2400	
Total Depth.		2400	

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
5	6	7	60			
10	29	7	40			
3	26	12	120			

REMARKS: 2400' 2" Tubing. 6-5/8" Anchor Pu
Set at a depth of 2100'.
Water in Sand at 800' 2 bailers
Water in Salt Sand at 1045 Gas in Big
Lime at 1811'
Oil in Berea Sand at 2373'.

ABANDONED

Size	Casing Pulled	Casing Left in	

REMARKS: Attempt made to pull 6-5/8 casing
Parted probable about 1000' pulled up
And stuck tight. Could not move either
Uncovered 208' down.
Balance in hole . March 1908.

El= 9[illegible]

47-043-30745

47-043 - 30745

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

LESSEE OR PROPRIETY OWNER — ADDRESS

NAME OF WELL OPERATOR: United Fuel Gas Company
COMPLETE ADDRESS: Charleston, W. Va.
WELL AND LOCATION: July 20, 1949
Duval District
Lincoln County
Well No. 1
James A. White Farm
D. E. Lawson

STATE INSPECTOR SUPERVISING PLUGGING

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 22 day of June, 1949, and that the well was plugged and filled in the following manner:

COAL OR ZONE RECORD: FORMATION	FILLING MATERIAL: CONTENT	FROM	TO	PLUGS USED: SIZE & KIND	CASING: CSG PULLED	CSG LEFT IN
	SET A PERMANENT BRIDGE AT 2373' - 20' above Berea Sand. 2 sacks neat cement and 5' crushed stone on bridge. Filled with clay to 2273'. Neat Cement 2273' - 2263'.					
	PULLED 5-3/16" CASING					
	SET A PERMANENT BRIDGE AT 1930' - bottom of Big Injun. 2 sacks neat cement and 5' crushed stone on bridge. Filled with clay to 1690' - 30' below 6-5/8" casing Neat Cement 1690' - 1640'. 5' crushed stone on cement plug, sealing hole completely below 6-5/8" casing. Continued filling with clay to 1600' - top of Little Lime. Neat Cement 1600' - 1590'. PULLED 6-5/8" CASING AS BALANCE OF HOLE WAS FILLED AND PLUGGED.					
	SET A PERMANENT BRIDGE AT 1250'. 2 sacks neat cement and 5' crushed stone on bridge. Filled with clay to 1000' - 30' above Salt Sands. Neat Cement 1000' - 990' sealing off Salt Sands.					
	SET A PERMANENT BRIDGE AT 365' - 30' below Coal. Neat cement 365' - 310' - 20' above coal. Filled with clay to surface. Erected marker such as is described in Rule 18, 1931 Regulations.					
COAL SEAMS				DESCRIPTION OF MONUMENT: U. F. Gas Co. Well # 1 James A. White Date of Abandonment		
(NAME)						
(NAME)						
(NAME)						

and that the work of plugging and filling said well was completed on the 25 day of June, 1949.

And further deponents saith not.

Clyde Satterfield
E. J. Elkins, Jr.

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

Notary Public.

Permit No. Lin-745

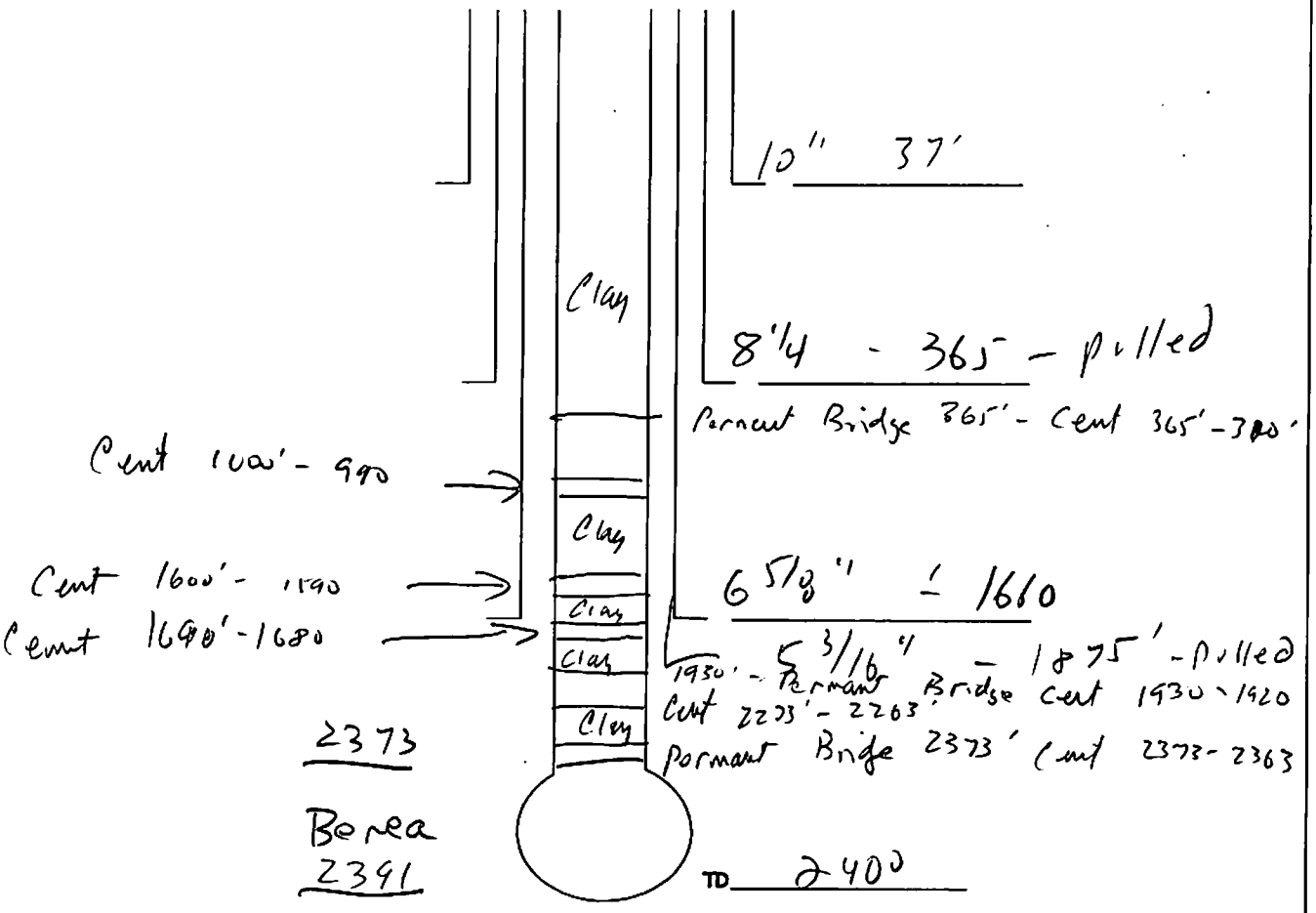
My commission expires: April 4, 1957

137

James A White

Griffithsville Unit #2 Field

47-043- 30745



From Drillers Records/Plugging Records

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

403

AOR - Well Review Checklist

API Number: 47- 043 - 02199 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 2

Farm Name: Jane A White

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: 2366

Completion Zones: Berea. Perforated Interval:

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

Easting: 417,662 Northing: 4,233,273

Elevation: 265

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 ____

James A. White. Farm, No. of Lease ____ No. Acres ____

District Lincoln County Wyo. State ____

Well No. Two Date of Location ____ 19__

Rig Commenced ____ 19__

Rig Completed ____ 19__ ____ Contractor

Drilling Commenced April 11th 1908

Drilling Completed May 29th 1908 Chamberlin & 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 in Well (Description) Feet
15	15		15		15		~~45~~		13				
8	825		825		825		825						
6-5/8	1635		1635		1635				1635				

Formation	Top	Bottom	Thickness
Soil	0	13	
Slate & Sand	13	985	
Salt Sand	985	1630	
Big Lime	1630	1840	
" Injun Sand	1840	1920	
Slate	1920	2000	
" & Lime	2000	2150	
"	2150	2324	
Black Shale	2324	2342	
Berea Sand	2542	2560	
Total Depth,		2565	
		~~2566~~	

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
6	2.	8.	60			
7	20	10	90			
8	17	10	140			

REMARKS: Water in salt sand at 1028'
Drilled 32ft deeper while cleaning out.
Total Depth 2566'

ABANDONED ____ 19__

Size	Casing Pulled	Casing Left in	

REMARKS:

El = 869.79

47-043-02199

DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS 47-043-02199

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 A. White
Location: Elevation: 865'
District: Duval
Latitude: _____ Feet South of: _____ Deg. _____ Min. _____ Sec.
Longitude: _____ Feet West of: _____ Deg. _____ Min. _____ Sec.

Operator Well No.: No.2
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 22nd day of June, 20 10 and the well was plugged and filled in the following manner

TYPE	FROM	TO	PIPE REMOVED		LEFT
Cement	2322'	2220'	6 5/8"	0'	1635'
Cement	1834'	1585'	5 1/2"	1650'	0'
Cement	955'	850'			
Cement	559'	450'			
Cement	115'	0'			
		Perforated 6 5/8" Casing - 3 shots from 902' - 897', 502' - 497' &			
		97' - 92'.			
6% Gel Between Cement Plugs					

Description of monument: 5 1/2" x 6' and that the work of plugging and filling said well was completed on the 2nd day of July, 20 10

And further deponents saith not. Mark Miller
Roger McComas

Sworn and subscribed before me this 13 day of July, 20 10

My commission expires: Nov. 12, 2018

Notary Public Tina L Pet

Affidavit reviewed by the Office of Oil and Gas: _____

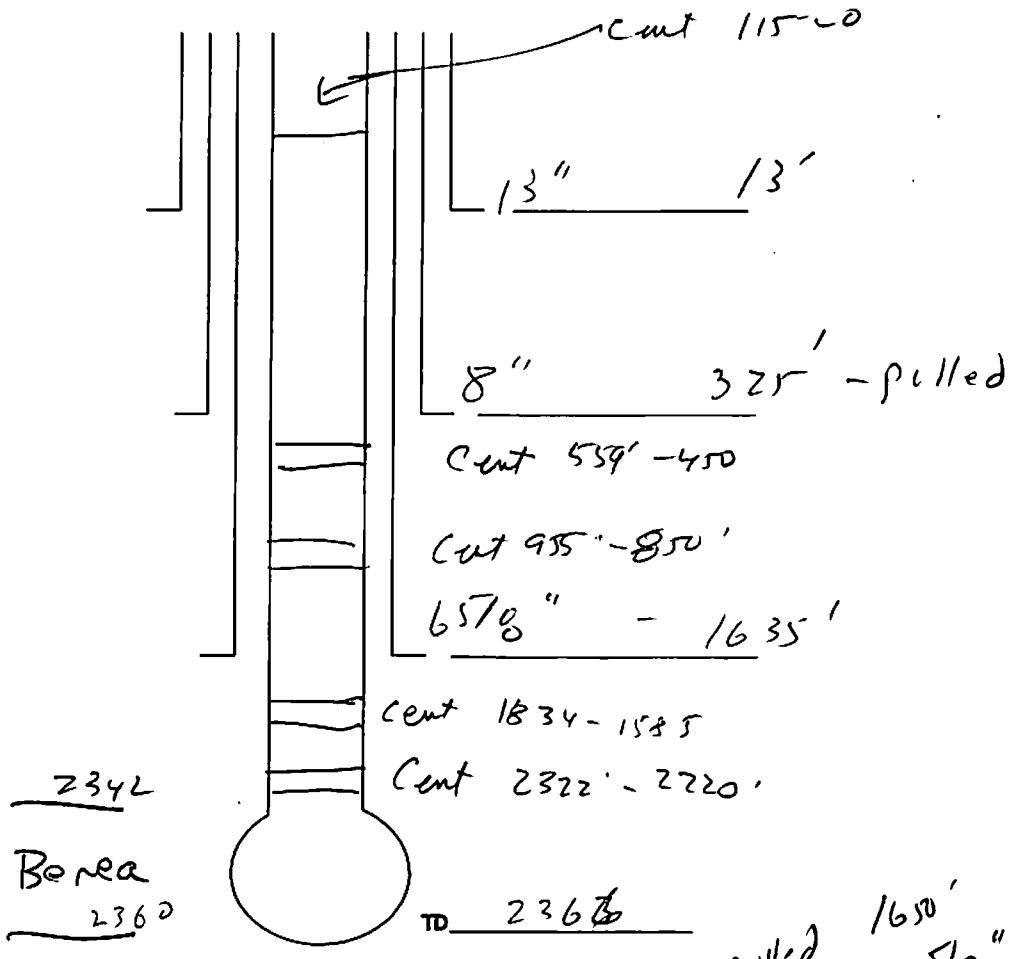
Title: _____

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 A White 2

Griffithsville Unit #2 Field

47-043- 02199



From Drillers Records/Plugging Records

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

(404)

AOR - Well Review Checklist

API Number: 47- 043 - 30677 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 3

Farm Name: White

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: 2548

Completion Zones: Berea. Perforated Interval:

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

Easting: 412,446 Northing: 4,233,348

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.*

08-10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

47-043-30677

Oil or Gas Well _____ (KIND)

Permit No. _____

Company G. S. & H. Supply Co.
Address Box 895, Tulsa, Okla.
Farm J. A. White Acres 72
Location (waters) _____
Well No. 3 Elev. 960.42
District Duval County Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by
Address
Drilling commenced 7-22-08
Drilling completed 11-12-08
Date Shot 11-20-08 From To
With 4-8-10 90 & 140
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 Disc.
13			
10			Size of 5-3/16 x 6-5/8 x 16
8¼		1851	Depth set 1871
6⅝		1371	
5 3/16			Perf. top
3		2540	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
Big lime			1840	2020			
Big injan			2020	2080			
Black shale			2506	2526			
Berea sand			2526	2548			

MAR 1909
WEST VIRGINIA
DEPARTMENT OF MINES

(Over)

47,043 - 3067

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 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
LESSEE OR PROPERTY OWNER
ADDRESS

NAME OF WELL OPERATOR: G,S & H Supply Company
COMPLETE ADDRESS: P.O. Box 305 Tulsa, Oklahoma.
WELL AND LOCATION: April 16 19 49
Duval District
Lincoln County
Well No. 3 White Farm

STATE INSPECTOR SUPERVISING PLUGGING: Tona Le Jarvon.

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Lincoln } ss:

Ryatt 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 1 day of April, 19 49, and that the well was plugged and filled in the following manner:

FORMATION	CONTENT	FROM	TO	PLUGS USED (SIZE & KIND)	CASING CSG PULLED	CASING CSG LEFT IN
	Cement & Rock	2106	2436	permanent Bridge		
	red clay	2436	1860	" "		
	cement & rock	1760	1850			
	red clay	1850	1646	" "		
	cement & rock	1646	200			
	red clay	200	190	" "		
	cement & rock	190	0		5"-1264'	none
	red clay				7"-2520'	300

COAL SEAMS
(Name) (Depth)
(Name) (Depth)
(Name) (Depth)

DESCRIPTION OF MONUMENT: Cement Block G,S & H. White #3 4-16-49

and that the work of plugging and filling said well was completed on the 16 day of April, 19 49.

And further deponents saith not.

Ryatt Chapman
Joe Ward

Sworn to and subscribed before me this 26 day of April, 19 49.

J R Dobson
Notary Public.

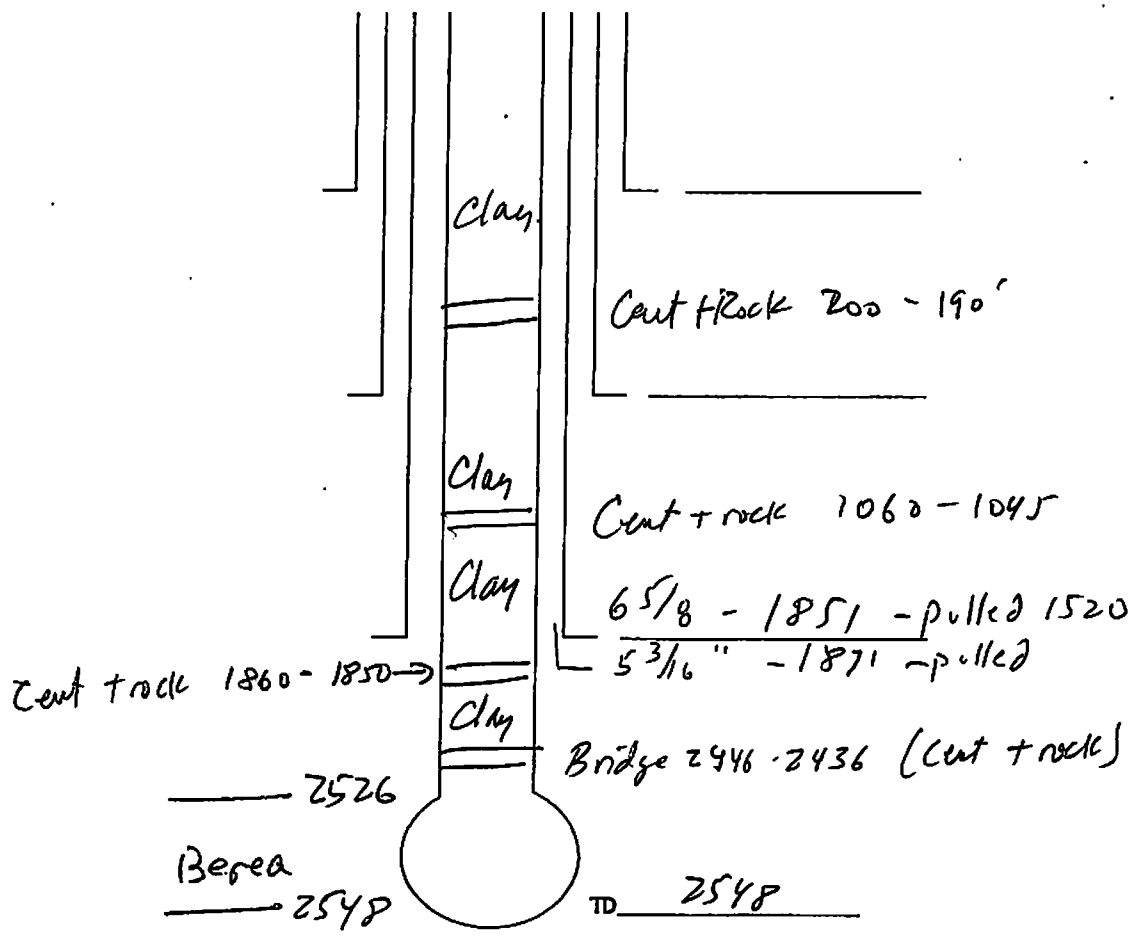
My commission expires: Dec 7 -57

Permit No. 77

TA White 3

Griffithsville Unit #2 Field

47-043-3067



From Drillers Records/Plugging Records

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

405

AOR - Well Review Checklist

API Number: 47- 043 - 30699 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 4

Farm Name: James A White

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: 417,541 Northing: 4,232,725

Elevation: 1325

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.

James A. White. Farm, No. of Lease ____ No. Acres.

District Lincoln County Wyo. State.

Well No. 4 Date of Location ____ 19__

Rig Commenced ____ 19__
Rig Completed ____ 19__ } ____ Contractor.

Drilling Commenced Jan. 2nd 19 09
Drilling Completed Feb. 24th 19 09 } G. L. Titus & 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	
Size	Feet	In	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
13	16		16		16				16					
6-5/8	1819		1819		1929				1819					

FORMATION	TOP	BOTTOM	THICKNESS
Salt Sand	1110	1525	
Little Lime	1558	1806	
Pencil Cave	1806	1816	
Big Lime	1816	1990	
" Injun	1990	2065	
Berea Sand	2515	2535	
Total Depth.		2536	

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
3	2	09	90			
4	8	10	140			

REMARKS: Gas in Salt Sand at 1150'.
Water in Salt Sand at 1180'
Record of Liner. Packer seated at 198
7" - 482' of Liner Liner 55' 5" above
Of Sand. Record Of 6-5/16 casing -
Packer Seated at 1845'

ABANDONED ____ 19__

Size	Casing Pulled	Casing Left in	

REMARKS: Casing put in to shut off water i
in casing. 6-5/8 pulled 11/14/10. Lin
rimmed 27' deeper. Casing run with bott
hole packer- amount of csg. 1828

El= 1040.82

47-043-30649

47.043 - 3.0649

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 OIL 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 OIL OPERATOR: U.S.A. Drilling Company
ADDRESS — COMPLETE ADDRESS: P.O. Box 895 Tulsa, Oklahoma
COAL OPERATOR OR OWNER — DATE: March 23, 1949
ADDRESS — WELL AND LOCATION: Duval District
LAND OR PROPERTY OWNER — Lincoln County
ADDRESS — Well No. 4
Title Farm

WHETHER DRILLING OR REDRILLING PLUGGING

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 U.S.A. Drilling Company, the owner, and participated in the work of plugging and filling the above well, that said work was commenced on the 7th day of March, 1949, and completed on the 23rd day of March, 1949, and filled in the following manner:

CASING OR TUBING LEFT IN WELL	CASING PULLED		PACKERS USED	CASING
	KIND & SIZE	NO. FT.		SIZE PULLED	SIZE LEFT IN
			Surface Casing		
	Cement & rock	1870	1860		
	red clay	1860	1360	" "	
	cement & rock	1360	1351		
	red clay	1351	1195	" "	
	cement & rock	1195	1190		
	red clay	1190	200	" "	
	cement & rock	200	190		
	red clay	190	000		
				7"-1330	none

COAL SEAMS

DESCRIPTION OF MONUMENT: Cement Block, U.S.A. Well No. 4, 3-23-49

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

And further deponents saith not.

Wyatt Chapman
J. E. Wood

Sworn to and subscribed before me this 24th day of March, 1949.

J. R. Ousley
Notary Public.

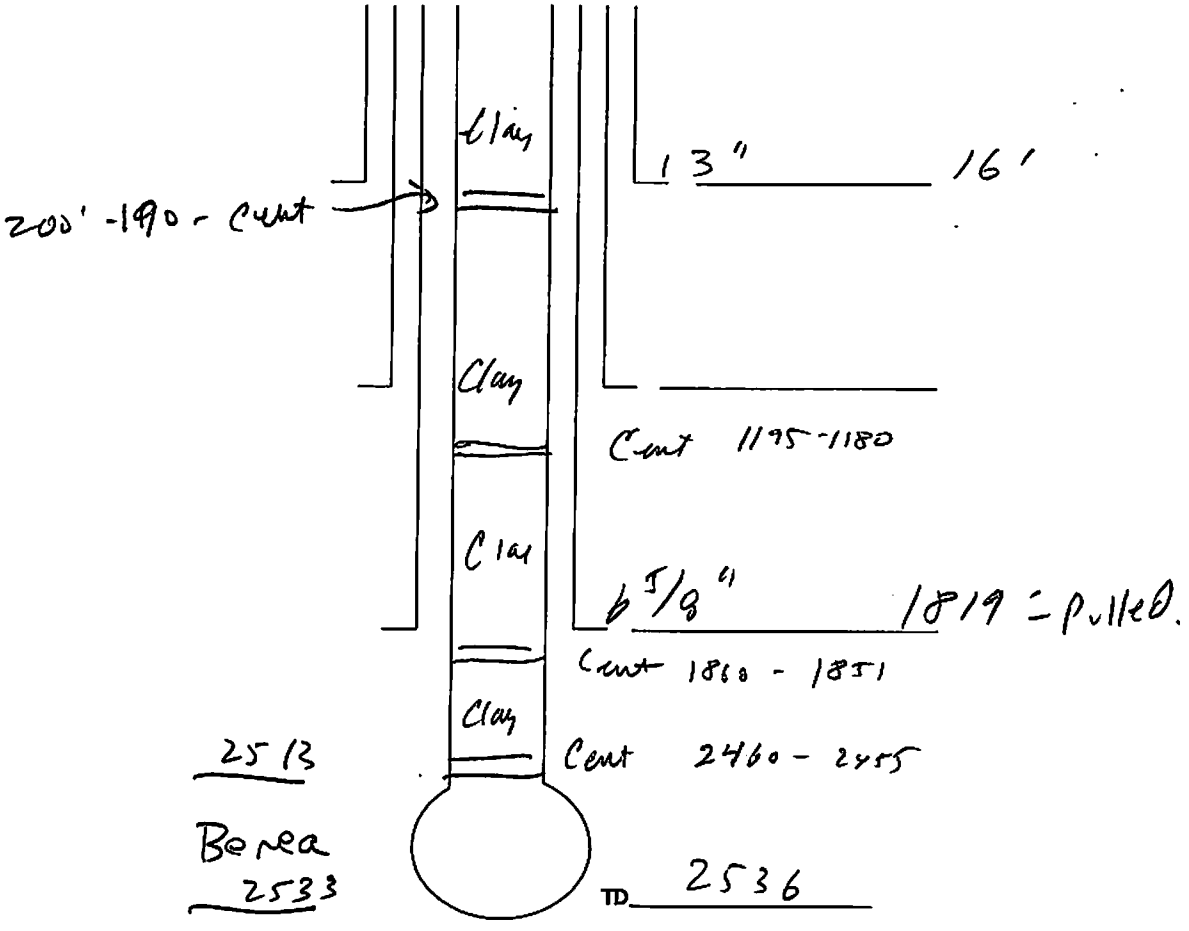
Permit No. 649

My commission expires: Oct 9 1957

J A White 4

Griffithsville Unit #2 Field

47-043- 30649



From Drillers Records/Plugging Records

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

406

AOR - Well Review Checklist

API Number: 47- 043 - 30670 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 5

Farm Name: Jones A White

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: 417 651 Northing: 4,233,040

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.*

Production First 24 Hours from { Berea Sand Bbls. Approved. / / — — / Sand Bbls. By Supt.

James A. White. Farm, No. of Lease No. Acres.

District Lincoln County Wyo. State.

Well No. Five Date of Location 19

Rig Commenced 19 } Contractor.
Rig Completed 19 }

Drilling Commenced Jan. 28th 1913 } Holloy Oil & Gas Co. Contractor.
Drilling Completed May 21st 1913 }

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	14		14		14				14					
6-5/8	1765		1765		1765				1765					

Formation	Top	Bottom	Thickness
Red Rock & Shells	0	65	
Sand & Shells	65	220	
Coal	220	224	
Sand & Slate	224	460	
Coal	460	465	
Sand & Slate	465	880	
Coal	880	884	
Slate & Sand	884	1060	
Salt Sand	1060	1665	
Maxon Sand	1665	1750	
Little Lime	1750	1762	
Pencil Cave	1762	1759	
Big Lime	1759	1960	
Red Rock	1950	1965	
Big Injun	1965	2025	
Slate & Shells	2025	2412	
Coffee Slate	2412	2427	
Berea Sand	2427	2447	
Total Depth.		2447	

SHOT RECORD

Month	Day	Yr.	Size Shot	Length of Shell	Top of Shot	Bottom of Shot
5	22	13	90			
8	30	14	60			

REMARKS: Water in salt Sand at 1115.

ABANDONED 19

Size	Casing Pulled	Casing Left In

REMARKS: El = 955.75

47-043-30670

Form OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30670

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

NAME OF WELL OPERATOR: G,S & H Supply Company

COMPLETE ADDRESS: P.O. Box 895 Tulsa, Oklahoma

WELL AND LOCATION: J.A. White 1-5 1949

Duval District

Lincoln County

Well No. 5

White Farm

STATE INSPECTOR SUPERVISING PLUGGING: Dana E. Lawson

AFFIDAVIT

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

Hyatt 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 29 day of March, 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	2380	2365	permant bridge		
	Red Clay	2365	2300	" "		
	cement & rock	2300	2220			
	cement & rock	2025	2010			
	red clay	2010	1820	" "		
	cement & rock	1820	1810	" "		
	cement & rock	1250	1240			
	cement & rock	1240	1040			
	red clay	1040	1035	" "		
	cement & rock	300	290			
	cement & rock	290	0			
	red clay	270			5"-1798	none
					7"-1768	none
COAL SEAMS				DESCRIPTION OF MONUMENT		
(NAME)				Cement Block		
(NAME)				G,S,& H.		
(NAME)				1-5-49		

and that the work of plugging and filling said well was completed on the 14 day of April, 1949

And further deponents saith not.

Hyatt Chapman

Joe Ward

Sworn to and subscribed before me this 7 day of April, 1949.

J R Dodson
Notary Public.

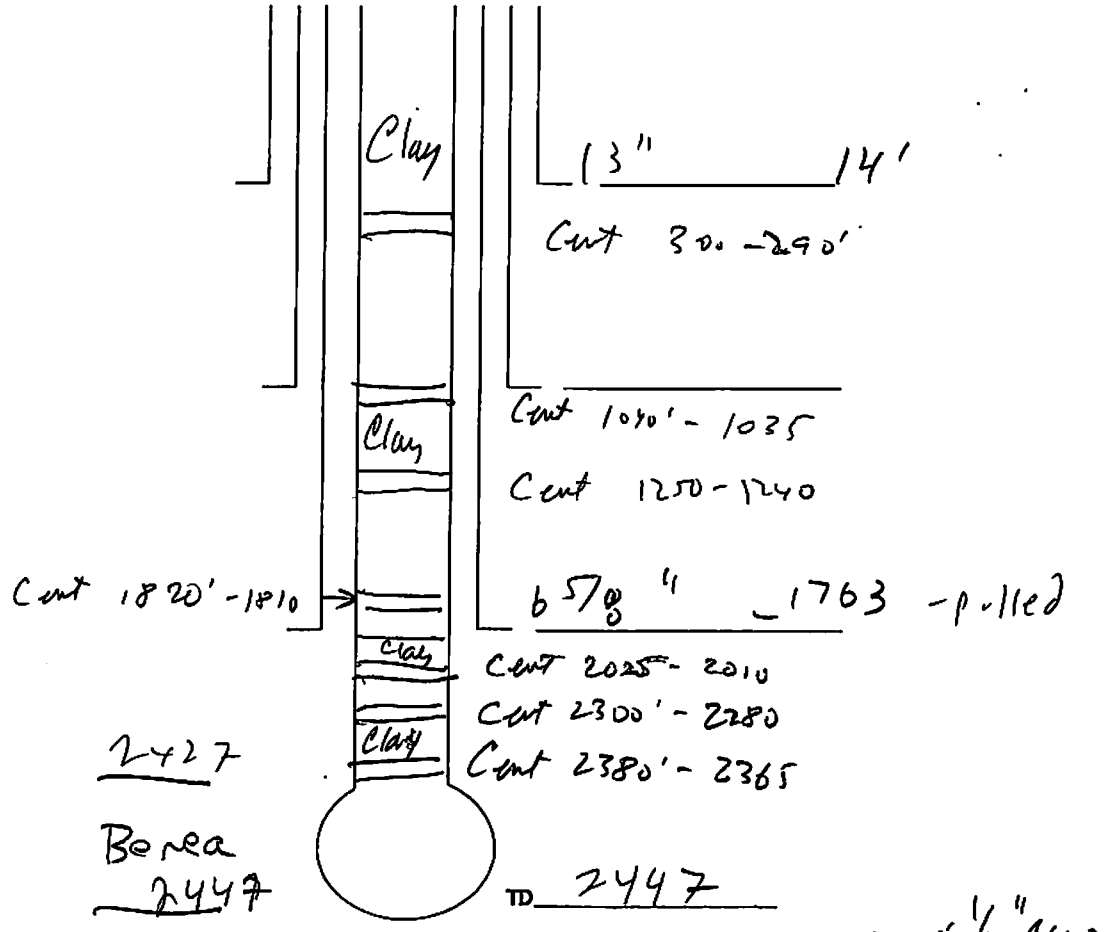
My commission expires: Oct 7-1957

Permit No. [illegible]-670

J A White 5

Griffithsville Unit #2 Field

47-043- 30670



From Drillers Records/Plugging Records

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

409

AOR - Well Review Checklist

API Number: 47- 043 - 30766 Area Permit Number: 2R AP

Operator Name: H 6 Energy

Operator's Well #: 6

Farm Name: JA White

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: 2539

Completion Zones: Berea. Perforated Interval:

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

Easting: 417,022 Northing: 14,232,73.0

Elevation: 812

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 } ____ Bbls. Approved.
____ Sand ____ Bbls. By ____ Supt.

Thomas A. White. Farm, No. of Lease ____ No. Acres.
District Lincoln County Wyo. State.
Well No. Six Date of Location 19
Rig Commenced 19 }
Rig Completed 19 } ____ Contractor.
Drilling Commenced May 20th 19 18 }
Drilling Completed July 13th 19 18 } 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.
8-1/4	402		402		402		402							
6-5/8	1844		1844		1844				1844					

Formation	Top	Bottom	Thickness
Salt Sand	1150	1794	
Little Lime	1794	1831	
Pencil Cave	1831	1858	
Big Lime	1858	2022	
Injun Sand	2022	2092	
Slate & Shells	2092	2175	
Hard Lime	2175	2220	
Black Slate	2220	2450	
Lime	2450	2465	
Slate	2465	2518	
Berea Sand	2518	2538	
Slate	2538	2539	
Oil & Gas	2580	To 2528	
8' of Pay Sand.			
Total Depth.		2559	

SHOT RECORD

Month	Day	Hr.	Size Shot	Length of Shell	No of Shot	Nature of Shot
7	14	18	40			

REMARKS:
Water at 150'.
Water at 720' - 2 Bailers per hour.
Rig water at 1175ft.

ABANDONED ____ 19

Size	Casing Pulled	Casing Left In	

REMARKS:
El=1040.21

47-043-30766

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30766 1

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: United Fuel Gas Company
ADDRESS — COMPLETE ADDRESS: Charleston, W. Va.
COAL OPERATOR OR OWNER — WELL AND LOCATION: July 20, 19 49
ADDRESS — Duval District
LEASE OR PROPERTY OWNER — Lincoln County
ADDRESS — Well No. L 6
James A. White 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. E. Adkins, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 10 day of June, 19 49, and that the well was plugged and filled in the following manner:

COAL OR ZONE RECORD	FILLING MATERIAL	PLUGS USED (SIZE & KIND)	CASING PULLED	CASING LEFT IN

DRIVE A PLUG IN TOP OF LINER AT 2178' Lub to Set a permanent bridge at this point. 2 sacks neat cement and 5' crushed stone on bridge. Filled with clay to 1874'. - 30' below 6-5/8" casing. Neat cement 1874' - 1864'. 5' crushed stone on cement plug.
PULLED 6-5/8" CASING AS BALANCE OF HOLE WAS FILLED AND PLUGGED.
Continued filling with clay to 1110'. - 301 above Salt Sands. Neat Cement 1110' - 1100'. 5' crushed stone on cement plug - Sealing off Salt Sands.
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

U. F. Gas Co.
Well # 6, James A. White
Date of Abandonment

and that the work of plugging and filling said well was completed on the 14 day of June, 1949.

And further deponents saith not.

E. J. Elkins Jr.
Kenzie Browning

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

Notary Public.

My commission expires: April 1957

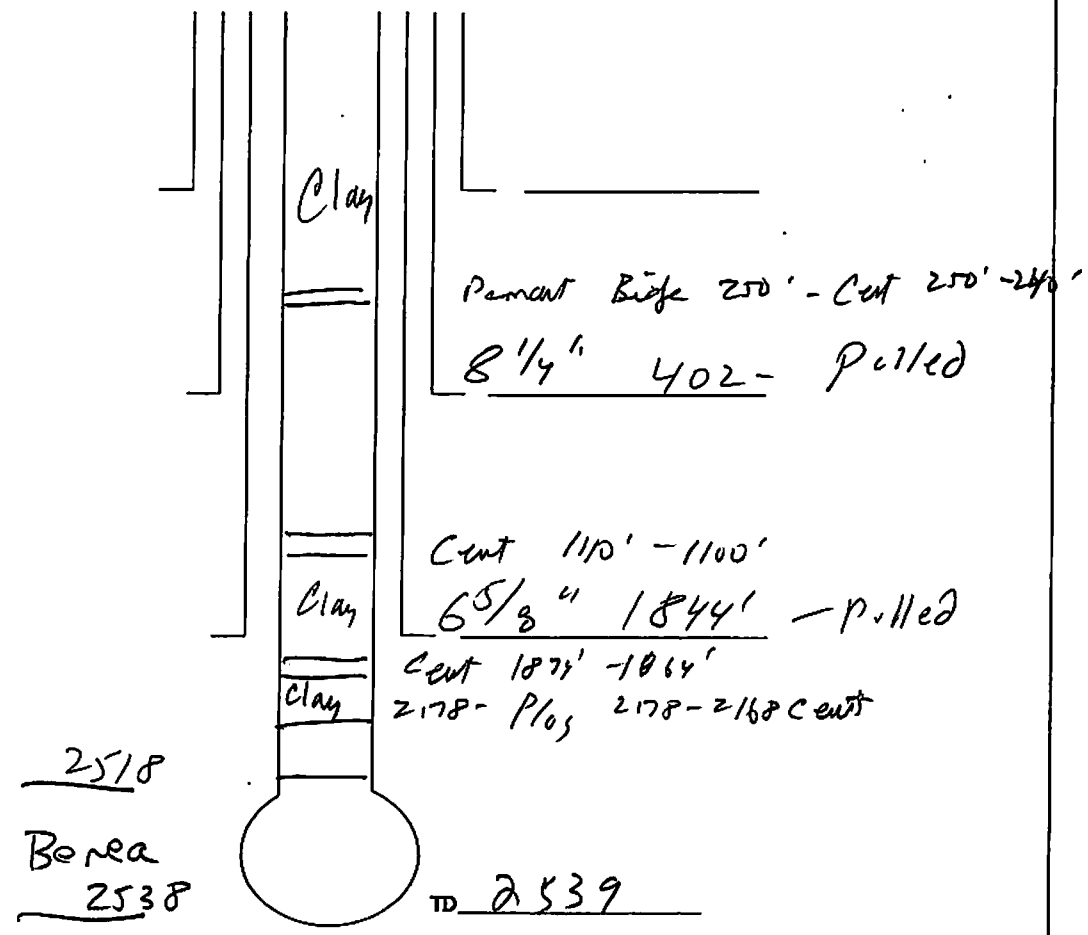
Permit No. Lin-766

(138)

T A White 6

Griffithsville Unit #2 Field

47-043- 30766



From Drillers Records/Plugging Records

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

AOR - Well Review Checklist

API Number: 47- 043 - 30985 Area Permit Number: 2R AP
Operator Name: H 6 Energy
Operator's Well #: 7
Farm Name: J A White
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: 2411
Completion Zones: Berea. Perforated Interval:

Well Location (UTM NAD83) Coordinates Match?: No ☐ Yes ☐
Easting: 417,804 Northing: 4,232,993
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.*

Production
First 24 Hours from } ____ Sand ____ Bbls. By ____ Supt.

James A. White. Farm, No. of Lease ____ No. Acres.

Sewell District Magnolia County Wyo. State.

Well No. Baron Date of Location ____ 19__

Rig Commenced ____ 19__ } ____ Contractor.
Rig Completed ____ 19__ }

Drilling Commenced July 21st 19 16 } Wayland Oil & Gas Co. Contractor.
Drilling Completed Sep. 8th 19 16 }

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 Well not in use Feet	In.
6-1/4	1715		1715		1715				1715					

Formation	Top	Bottom	Thickness
Lime Shells	600	1000	
Black Slate	1000	1060	
Salt Sand	1060	1675	
Little Lime	1675	1690	
White Slate	1690	1695	
Black Lime	1695	1703	
Pencil Cave	1705	1709	
Big Lime	1709	1885	
Injun Sand	1885	1960	
Slate & Shells	1960	2393	
Berea Sand	2393	2411	
Oil or Pay Sand	2397	2407	
Top of Sand hard, 4ft in Sand soft.			
Total Depth.		2411	

SHOT RECORD

Month	Day	Hr.	Size Shot	Length of Shot	Top of Shot	Bottom of Shot
9	11	16	60			

REMARKS: Water at 1076'
Water Sand at 1560'
Break in Little Lime at 1695'
A little Gas at 1910'

ABANDONED

Size	Casing Pulled	Casing Left In	

REMARKS: EJ = 231

47-043-30985

41-043

FORM GG 6

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-043-30985

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 LEGAL 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. 7

James A. White Farm

STATE INSPECTOR SUPERVISING PLUGGING D. E. Lawson

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln } ss:

George Adkins 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 27 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
	Set Bridge At	2391'		6-5/8"	1450'	265'
	Neat Cement	2391'	2381'	5-3/16"	1760'	None
	Crushed Stone	5'		2"	2411	None
	Clay		1745'			
	Neat Cement	1745'	1735'			
	Crushed Stone	5'				
	Bridge Set At	1600'				
	Neat Cement	1600'	1590'			
	Crushed Stone	5'				
	Clay	1040'				
	Neat Cement	1010'	1020'			
	Crushed Stone	5'				
	Bridge Set At	400'				
	Neat Cement	400'	390'			
	Crushed Stone	5'				
COAL SEAMS	Sealing Fresh Water 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 5 day of February, 19 51

And further deponents saith not.

George Adkins
Kelly Roberts

Sworn to and subscribed before me this 21 day of Feb, 19 51

Notary Public.

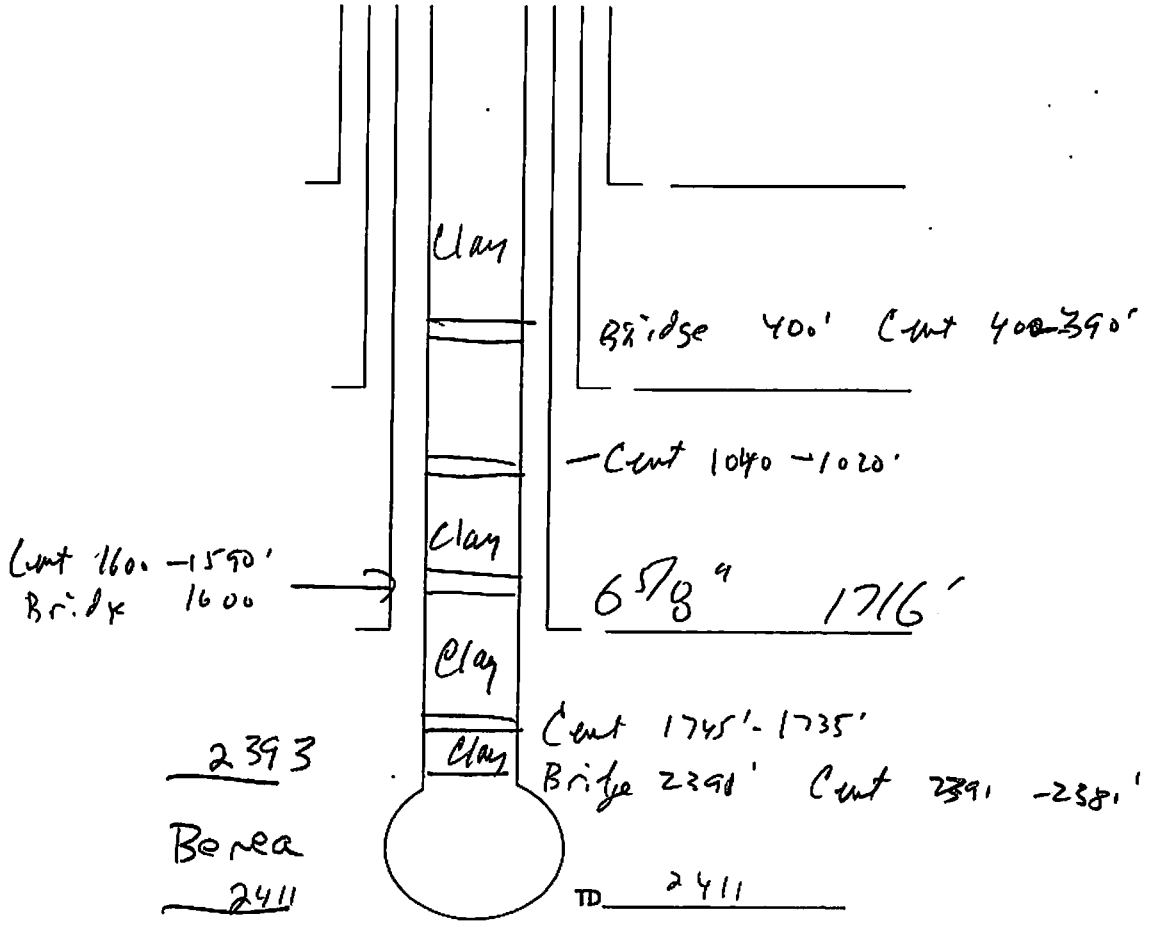
My commission expires:
My commission [illegible] March 14, 1953.

Permit No. LIN-985

JA Unit 7

Griffithsville Unit #2 Field

47-043- 30925



From Drillers Records/Plugging Records