



west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

July 27, 2011

FINAL INSPECTION REPORT

WELL PERMIT RELEASED

EQT PRODUCTION COMPANY,

The FINAL INSPECTION REPORT for the permit, API Well Number: 47-4701511, issued to EQT PRODUCTION COMPANY, and listed below has been received in this office, and reclamation requirements approved. The well designated by the permit number below has been released under reclamation and will remain under your bond.

James Martin Chief

Operator: EQT PRODUCTION COMPANY

Operator's Well No: 506168

Farm Name: POCAHONTAS LAND CORP.

API Well Number: 47-4701511Date Issued: 04/09/2001

Date Released: 07/27/2011

Promoting a healthy environment.

		. mr. 1/5	1611	WELL NO	50/110	
DATE STARTED/LOCA	TION:	API# 4 /5/ OPERATOR: E	5// mitable	WELL NO	200100	
DRILLING COMMENCE	CD:	OI LIGHT OIG.	MI I MUIL			
TD DATE:	DEPIR: r.	COAT	DEPTHS			
TD DATE: TER DEPTHS SYPHE OPERATOR RANGE 3 RANGE	KEEPING DETAILED	DRILLING AND	CEMENT RECO	RDS: YES[]	NO[] (6	PTS)
JAN 2 3RAN of LAND OF THE PROPERTY OF THE PROP	FEET OF	" PIPE ON	CEMENT	WITH	SKS (CIR	.) YES[] N
3 3 3 AN	FEET OF	" PIPE ON	CEMENT	WITH	SKS (CIR	.) YES[] N
IAN RANGO STION	FEET OF	" PIPE ON	CEMENT	WITH	SKS (CIR	.) YES[] N
OEDARKING THE STATE OF THE STAT	FEET OF	" PIPE ON	CEMENT	WITH	SKS (CIR	.) YES[] N
WV come that A V	FEET OF	" PIPE ON	CEMENT	WITH	SKS (CIR) YES[] N
Environ RAN	FEET OF	" PIPE ON	CEMENT	T WITH	SKS (CIR)
DIT DISCULANCE DATE	E:TYPE: _	(]	LAND, DISPOSAI	L WELL, RE-US	SE, ETC.) API #	‡
ACRES DISCHARGED:	: PIT `	VOLUME:	PIT ADDI	TIVES		
ACRES DISCHARGED: FIELD ANALYSIS: pH	Fe	mg/l Cln	ng/l D.O	mg/l TOC	mg/l	
QUESTIONS FOR THIS	REPORT ARE IN AC	CORDANCE OF	WV CODE 22-6-3	U FED DOLLLITIC	NI CONTROL	DEDMIT
AND REGULATION 35	CSR 4-12.1 AND 35C	SR-4-16 AND THE	E GENERAL WA	LEK POLLOTIC	IN CONTROL	i Ekwii i .
	m nnonen Motiot '	TO DISDECTOR I	DEEUDE THE EU	I LOWING:		
2. DID OPERATOR GIV	E PROPER NOTICE	I NOIDARCIUNI I I II da a	NG VESTINOT	1 <i>(2</i> PTS)		
A. CONSTRUCTION Y	ES[]NO[](2PIS)	D. DRILLI	CHADGE VES []] (2115) NO [1(2 PTS)		
C. PIT TREATMENTS	YES[]NO[](2PTS)	D. FII DIS	OINTS AVAILA	BLE FOR OUT	ESTION 2: (10	PTS)
E. RECLAMATION YE	S[]NO[](2P13)	•	OINISAVALE			/
3. DID THE OPERATO	R HAVE PERMIT ON	SITE? YES [] NO	וו		(4]	PTS)
J. DID THE OF ERRITO	KIMIVE I BIGINI OI					
4. WAS THE TIMBER	CUT, STACKED, AND	BRUSH USED F	OR SEDIMENT F	BARRIERS BEF	ORE	
DIRT WORK STAR	TED? YES[]NO[]				(4)	PTS)
•		•			,	
5. ARE ALL LOCATIO	N AND/OR ROAD BA	NKS BEING SLO	PED? YES [] NO	[1]	(4 PTS)
6. WERE THE FOLLOW A. ROAD DITCHES C. CULVERTS F. DIVERSION DITCH G. TEMPORARY SEE	YES [] NO [] (3PTS)	B. CRO D. CRE	SS DRAINS - YI EK CROSSINGS	ES [] NO [] (3) YES [] NO [](3	P1S) BPTS)	
						(2 PTS)
7. HAS TOP SOIL (IF A	NY) BEEN STOCKE	D PILED? YES[]	NO[]		'	(2110)
8. IS THE WELL STAK	en namer nnonen e	DOT IN ACCORD	ANCE WITH 350	SR4-9.2 c		
8. IS THE WELL STAK	EIN THE PROPER 2	FOI IN ACCORD	ANGE WITH 550	20101 2.2.0		(3 PTS)
AFTER CONSTRUC	TION? YES[]NO[]					`
9. IS THE PIT PROPER	OLV INISTALLED ANI	MAINTAINED?	YES[]NO[]		•	(6 PTS)_
10. IS EQUIPMENT AN	ID SITE BEING PROP	ERLY MAINTAI	NED TO PREVEN	NT SPILLS? YE	[]ON[]	(3PTS
	•					(ADMC)
11. IS EQUIPMENT BE	ING PROPERLY OPE	RATED TO MAI	NTAIN SAFE CO	NDITIONS? Y	ES[]NO[]	(3PTS)
14. WAS ROAD AND I A. ROADWAY YES	LOCATION PROPERL S [] NO [] (2PTS) O [] (2PTS) S [] NO [] (2PTS) ES [] NO [] (2PTS)	Y RECLAIMED? B. I D. P F. G H. A	YES[]NO[] OCATION Y	ES[]NO[] (21 S[]NO[] (2P' S YES[]NO[] DING MATERIA	PTS) IS) (2PTS) ALS YES[]NO) [] (2PTS [18 PTS)_
		TIINI.	POINTS AVAI	LARLE FOR C	UESTION 15:	(15 PTS)
15. WAS RECLAMAT	ON COMPLETED WI	THIN:	AVAL 1 PARTI OKLI	TADLE FOR (YESTINOTI	4 PTS.
6 MTHS OF TD YES	S[]NO[]8PTS;4M	IH2 OF ID YES		Z WITIG OF ID	[].,0[]	
		-10		TOTAL REC	LAMATION S	SCORE: _
01-16-03	(a)	ald Deal	7		ro score	
(/ 1 - / 1/2 - / - / - / - /	~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	~ ~~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		···· //		

VVK-34 Page 1 of 3

State of West Virginia Division of Environmental Protection Section of Oil and Gas Discharge Monitoring Report Oil and Gas General Permit

Date Report Completed

06 / 13 / 02

full

Company Name: Equitable Production	
API <u>47-047-01511</u> County: <u>McDowell</u>	District: Browns Creek
Farm Name: Pocahontas Land Corporation	Well No. <u>6168</u>
Discharge Date/s From: (MMDDYY) 05 / 23 / 02	To: (MMDDYY) 05 / 23 / 02
Discharge Times <u>11:15pm</u>	To: <u>1:15pm</u>
Disposal Option Utilized: UIC (2): Permit No.	
Centralized Facility (5): Permit No.	Pitt man
Reuse (4): Alternate Permit No.	AW. PIT WELL SERVICING, INC
Offsite Disposal (3) Site Location:	William Auman
Land Application (1): $\underline{\mathbf{X}}$ (Include a topographical map of the Ar	rea.) SIGNATURE
Other Method (6) (Include an explanation)	
Follow Instructions below to determine your treatment category. Optional Pretreatment test: 5,000 CI - mg/I 9 DO Mg/I 1. Do you have permission to use expedited treatment from the Direct	Office of Oil & Gas Permitting JUN 2 8 2002 WV Department of Environmental Protection ctor or his representative? (YTN)
If yes who? , and place a four (4) o	
2. Was Frac Fluid or flowback put into the pit? (Y/N) Y If yes	go to line 5 if not go to line 3
3. Do you have a chloride value pretreatment (see above)? (Y/N)	If yes go to line 4 if not go to line 5
4. Is that chloride level less than 5000 mg/l? (Y/N) If yes th	nen enter a one (1) on line 7
5. Do you have a pretreatment value for DO? (see above) (Y/N)	Y If yes then go to line 6 if not enter a
three (3) on line 7	
6. Is that DO greater than 2.5 mg/l? (Y/N) Y If yes then enter	r a two (2) on line 7 if not enter a three (3)
on line 7	
7. 2 is the category of your pit. Use the Appropriate section.	

Name of Principle Exec. Officer <u>David Matz</u>

Title of Officer V.P. Drilling and Completion

Date Completed: 06-13-02

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature of a Principle Exec. Officer or Authorized agent

Signatur

API	N	Ю	<u>47</u>	<u>'-0</u>	4	<u>7-</u>	<u>0</u>	1	<u>51</u>	<u>1</u>	

47-047-0	<u>01511</u>	Predischarge	Discharge	
Paramete	er	Predischarge Limit Reported	Discharge Limits Reported	Units
pН	6-10		6-10	S.U.
Settling T	ime 5		N/A N/A	Days
Fe	6	·	6	mg/l
D.O.	2.5		2.5	mg/l
Settleable	e Sol5		.5	mg/l
CI	5000		5000	mg/l
Oil	Trace		Trace	Obs.
TOC			Monitor	mg/l
Oil and G	irease		Monitor	mg/l
AI***			Monitor	mg/l
TSS			Monitor	mg/l
Mn	Monitor		Monitor	mg/l
Volume			Monitor	Gals
Flow			Monitor	Gals
Disposal	Area		Monitor	Acres
*** ^ 1 io or	alv ranaman if t	ha milia ahawa 0.0		

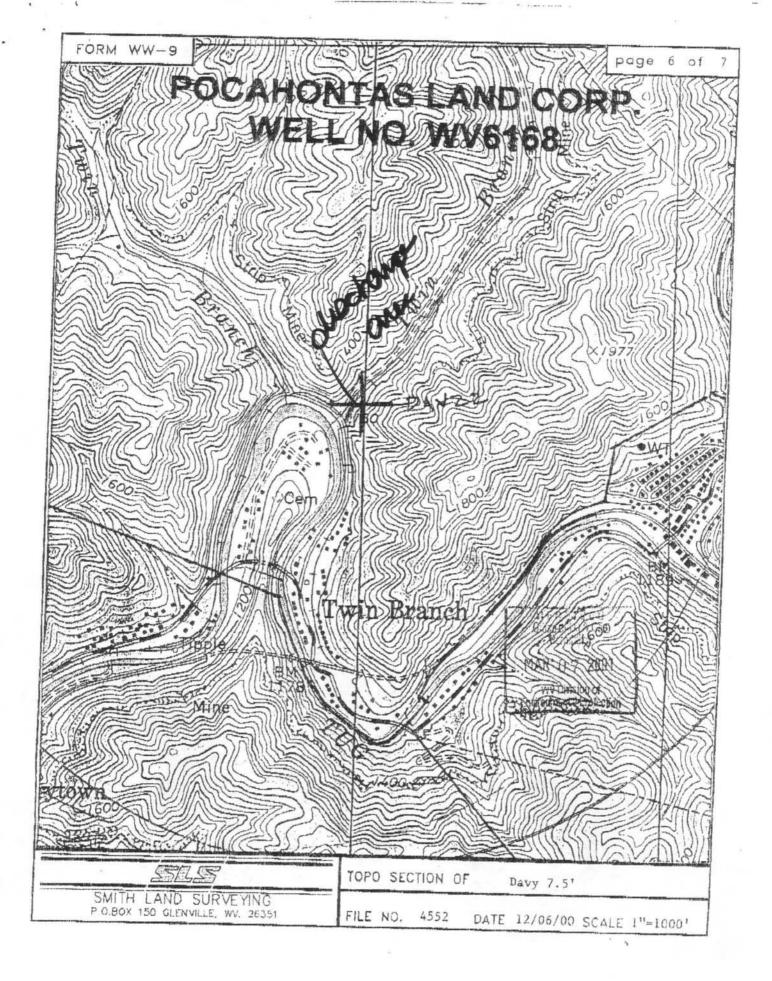
^{***}Al is only reported if the pH is above 9.0

Category 2 Sampling Results

API NO 47-047-0	<u> 1511</u>	Predischarge	Disch	narge	
Paramete	er	Limit Reported	Limits R	eported	Units
рН	6-10	<u>7</u>	6-10	<u>7</u>	S.U.
Settling T	ime 10	<u>10</u>	N/A	. N/A	Days
Fe	6	<u>.1</u>	6	<u>.28</u>	mg/l
D.O.	2.5	<u>9</u>	2.5	<u>9</u>	mg/l
Settleable	Sol5	<u>.1</u>	.5	<u>ND</u>	mg/l
CI*	12,500	<u>5,000</u>	12,500	<u>227</u>	mg/l
Oil	Trace	<u>None</u>	Trace	<u>None</u>	Obs.
TOC**			Monitor	<u>N/A</u>	mg/l
Oil and G	rease		Monitor	<u>ND</u>	mg/l
Al***			Monitor	N/A	mg/l
TSS			Monitor	N/A	mg/l
Mn	Monitor	<u>.03</u>	Monitor	<u>.03</u>	mg/l
Volume			Monitor	<u>23,310</u>	Gals
Flow			Monitor	<u>19</u>	Gals / min.
Disposal /	Area		Monitor	<u>2</u>	Acres

^{*} Can Be 25,000 with inspectors approval, ______ Date:

^{***} Include a description of your aeration technique. = CODE 3
*** Al is only reported if the pH is above 9.0



WK-34 Page 1 of 3

State of West Virginia Division of Environmental Protection Section of Oil and Gas Discharge Monitoring Report Oil and Gas General Permit

Date Report Completed

12 / 18 / 01

Art

Company Name: **Equitable Production** API 47-047-01511 County: McDowell District: Browns Creek Farm Name: **Pocahontas Land Corporation** Well No. WV 506168 Discharge Date/s From: (MMDDYY) 11 / 12 / 01 To: (MMDDYY) 11 / 12 / 01 **Discharge Times** 12:00pm To: 3:00pm Disposal Option Utilized: UIC (2): Permit No. Centralized Facility (5): Permit No. J.W. PIT DISCHARGED BY SERVICING, INC Reuse (4): Alternate Permit No. Offsite Disposal (3) Site Location: Land Application (1): X (Include a topographical map of the Area.) Other Method (6) (Include an explanation) Follow Instructions below to determine your treatment category. WV Department of nvironmental Protection Optional Pretreatment test: 5,000 Cl - mg/l DO Ma/l 1. Do you have permission to use expedited treatment from the Director or his representative? (Y/N) N If yes who? , and place a four (4) on line 7. If not go to line 2. 2. Was Frac Fluid or flowback put into the pit? (Y/N) If yes go to line 5 if not go to line 3 3. Do you have a chloride value pretreatment (see above)? (Y/N) If yes go to line 4 if not go to line 5 4. Is that chloride level less than 5000 mg/l? (Y/N) If yes then enter a one (1) on line 7 5. Do you have a pretreatment value for DO? (see above) (Y/N) If yes then go to line 6 if not enter a Υ three (3) on line 7

Name of Principle Exec. Officer David Matz

Title of Officer V.P., Drilling and Completion

6. Is that DO greater than 2.5 mg/l? (Y/N)

Date Completed: 12/18/01

on line 7 7. **2**

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

If yes then enter a two (2) on line 7 if not enter a three (3)

Signature of a Principle Exec. Officer or Authorized agent

Signatúre

Υ

is the category of your pit. Use the Appropriate section.

API NO.47-047	'-01511
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47-047-0	<u>)1511</u>	Predischarge	Discharge	
Paramete	er	Predischarge Limit Reported	Discharge Limits Reported	Units
pН	6-10		6-10	S.U.
Settling T	ime 5		N/A N/A	Days
Fe	6		6	mg/l
D.O.	2.5		2.5	mg/l
Settleable	Sol5		.5	mg/l
CI	5000		5000	mg/l
Oil	Trace		Trace	Obs.
TOC			Monitor	mg/l
Oil and G	rease		Monitor	mg/l
AI***			Monitor	mg/l
TSS			Monitor	mg/l
Mn	Monitor		Monitor	mg/l
Volume			Monitor	Gals
Flow			Monitor	Gals
Disposal A	Area		Monitor	Acres
*** ^ 1 :		h 11 ' t 0 0		

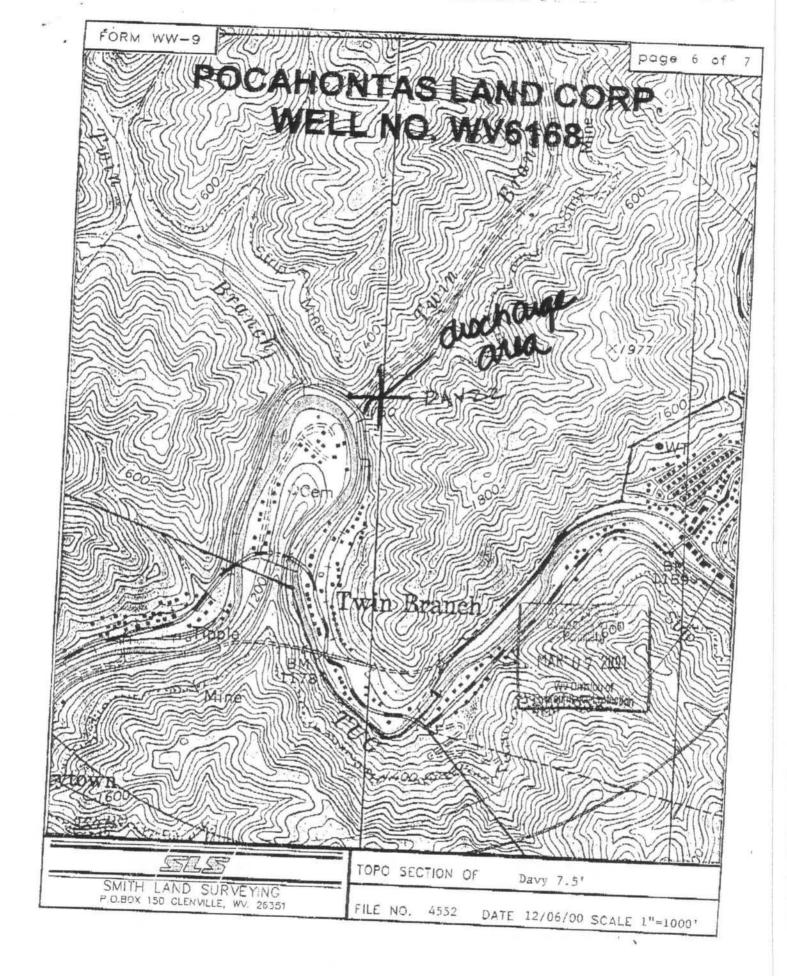
^{***}Al is only reported if the pH is above 9.0

Category 2 Sampling Results

Sampling Results					
API NO. <u>47-047-0</u>	<u>1511</u>	Predischarge	Disch	arge	
Paramete	r	Limit Reported	Limits R	eported	Units
рН	6-10	<u>7</u>	6-10	<u>7</u>	S.U.
Settling Ti	me 10	<u>10</u>	N/A	N/A	Days
Fe	6	<u>.1</u>	6	<u>.57</u>	mg/l
D.O.	2.5	<u>9</u>	2.5	<u>9</u>	mg/l
Settleable	Sol5	<u>.1</u>	.5	<u><0.2</u>	mg/l
CI*	12,500	<u>5,000</u>	12,500	<u>914</u>	mg/l
Oil	Trace	<u>None</u>	Trace	<u>None</u>	Obs.
TOC**			Monitor	<u>N/A</u>	mg/l
Oil and Gr	ease		Monitor	<u><5.0</u>	mg/l
AI***			Monitor	<u>N/A</u>	mg/l
TSS			Monitor	N/A	mg/l
Mn	Monitor	<u>.36</u>	Monitor	<u>.36</u>	mg/l
Volume			Monitor	<u>42,630</u>	Gals
Flow			Monitor	<u>236</u>	Gals / min.
Disposal A	Area		Monitor	<u>2</u>	Acres

^{*} Can Be 25,000 with inspectors approval, ______ Date:

^{**} Include a description of your aeration technique. = CODE 3
*** Al is only reported if the pH is above 9.0



WR-35 Rev (8-10)

State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work

DATE:	
API#:	47-047-01511

m name: Pocahontas Land Corporation	Operator we	il No.: 506168		
CATION: Elevation: 1165'	Quadrangle:	Davy 7.5'		·
District: Browns Creek	County: McDowell			
Latitude: 37.48133 Feet South of Deg.	Min	nS	ec.	
Longitude <u>-81.66656</u> Feet West ofDeg.	Mir	nSe	ec.	
mpany:				
Address	Casing &	Used in	Left in well	Cement fill
Address:	Tubing	drilling		up Cu. Ft.
EQT Production 550 Eagan St. Charleston, WV 25301				
Agent: Kenneth Kirk, EVP				
Inspector:				<u>.</u>
Date Permit Issued:				
Date Well Work Commenced: 10/8/2001				
Date Well Work Completed: 11/7/2001				
Verbal Plugging: n/a				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft):	3554'		3554'	510.3
Total Measured Depth (ft):	3554'		3554'	
Fresh Water Depth (ft.):	11.75'		360'	208.5(CTS)
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? Y				
Coal Depths (ft.):	8.625'		1020'	333.6(CTS)
Void(s) encountered (N/Y) Depth(s) N				
OPEN FLOW DATA (If more than two producing formation Producing formation Producing formation Pay zero			lata on separate s	heet)
Gas: Initial open flow n/a MCF/d Oil: Initial open flow Final open flow MCF/d Final open flow Time of open flow between initial and final tests n/a	n/a Bl	sbl/d bl/d s	_	EIVED Oil & Gas
Static rock Pressure n/a psig (surface pressure) after		ırs	JUL :	2 5 2011
Second producing formation n/a Pay zon Gas: Initial open flow MCF/d Oil: Initial open flow Final open flow MCF/d Final open flow Time of open flow between initial and final tests	owB		WV Depa Invironmen	artment of tal Protect
Static rock Pressure psig (surface pressure) after				

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete

Date

Were core samples taken? Yes	No. A Were	cuttings caught during drilling? Yes No
Were $\frac{Y}{Y/N}$ Electrical, $\frac{N}{Y/N}$ Mechani	cal, N/Y/N or Geophysical logs re	corded on this well?
FRACTURING OR STIMULATING	G, PHYSICAL CHANGE, ETC. RD OF THE TOPS AND BOTT	1). DETAILS OF PERFORATED INTERVALS . 2). THE WELL LOG WHICH IS A SYSTEMATIO OMS OF ALL FORMATIONS, INCLUDING COAD OTAL DEPTH.
Perforated Intervals, Fracturing, or Stim	ulating:	
3412-3468 with 108 holes, frac v	vith linear gel water frac	
		·
	· · · · · · · · · · · · · · · · · · ·	
Formations Encountered: Surface:	Top Depth	/ Bottom Depth
See attached Driller's Log		
		RECEIVED
		Office of All & Cas
		JUL 2 5 2011
		V/V Department of Provironmental Protection
	· · · · · · · · · · · · · · · · · · ·	· . WILCOMON I TOLOGICAL
		
· · · · · · · · · · · · · · · · · · ·		

Gasco Drilling Inc.

Cedar Bluff, Va 24609 (540)964-2696

Rig No.

Driller's Log

Operator's Well Name & Number:

506168

API No. 47-47015/1

AFE No.

Office of Oil & Gas

JUL 2 5 2011 County: Wyoming

WV Departmer District: Clear Fork
Environmental Protection

State: West Virginia

GASCO DRIlling

(Drilling Contractor)

FORMATION

		FORMATION
TOP (DEPTH)	BASE (DEPTH)	FORMATION (STRATA)
0	23	OVER BURTON
23	115	s Anid Stone
115	117	COAL
117	200	5 ANDYShale
7&	202	COAL
207	350	Streaked SandStone
350	351	COAL
351	42c	5 Audy Shall
480	421	CoA
480	1000	SAIT SAND
1000	1002	COAL
1002	1090	Streamed Smulstone
1090	1270	RAVEJCIAS
1270	1360	SANGYSHAIE
13.60	1410	SPPER Marked
1410	1620	Stranged SANDStale
1620	1660	MIDDLE MAKTONE
1660	1800	SAUTYSTALE
1200	2000	steedned shudstowe
200	<u>z</u> 1∞	Lower moster
z l∞	2.200	Cittle Lime
Z Z60	2235	REDROCK
2235	2650	Big Lime
2650	2910	5 AND 4 Shale
2910	2940	UPPER WEIR
2940	2970	SANDYSKALE
7970	3600	Lower well
3000	3400	SANDYShale
3400	3450	BereA
3450	3575	3 AND YSHATE T.D.
		%
	-	
,		

RECORD

DESCRIPTION (HARD, SOFT, COLOR ?)	(OIL)	REMARI FRESH/SALT V	
	85	water	E 1' 5 +F4
	11	11 0	2' STREA
	250	6"	Sterin
	U		
			·
		- <u> </u>	
			·
			
KAN 81 JoIn	+ 1	ا حر "	/_
	its of	5/	<u>2</u>
	49 5	et a	3554
	75 OF 7.	et a	3554
15,5 " pipe 35	7. 3 1	Sleve	3554
15,5" pipe 35 cement with B.	49 E	Bleno Cl	2 13554 1 1 1000
15,5 pipe 35 cement with B. 2705Ks of 5.1 cmp 9.5 Barrel	49 E	3/en	2 13554 1 1 1 1
15,5 to pipe 35 cement with B. 2705Ks of 5.1 cmp 9.5 BARREL	49 E	3/en	7.M
15,5" pipe 35 ement with B. 2705Ks of 5-1 ump 9.5 BARREL	49 E	Bleno 81eno	L ACTO
15,5 to pipe 35 cement with B. 2705Ks of 5.1 cmp 9.5 BARREL	1-3 1 1-3 1	Sleve Cl	L ACTO
15,5 to pipe 35 cement with B. 2705Ks of 5.1 cmp 9.5 Barrel	1-3 1 1-3 1	3/eno	L ACTO
15,5 pipe 35 cement with B. 2705Ks of 5.1 ump 9.5 Brand 5% Plug down	1-3 1 1-3 1 1-3 1 1-3 1	Bleno Bleno Cl. 8001	L ACTO
15,5 pipe 35 cement with B. 2705Ks of 5.1 ump 9.5 Brand 5% Plug down	1-3 1 1-3 1 1-3 1 1-3 1		L ACTO
15,5 pipe 35 cement with B. 2705Ks of 5.1 ump 9.5 Brand 5% Plug down	1-3 1 1-3 1 1-3 1 1-3 1		L ACTO
Plug down A RECEIV Office ci Cil	1-3 1 1-3 1 1 1-3 1 1 1-3 1 1 1-3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		L ACTO
Plug down A RECEIV Office ci Cil	7. 7-3 1 1-3		L ACTO
15,5 pipe 35 Lement with B. 2705Ks of 5.1 Long 9.5 Brand Flug down A RECEIV Office ci Cil	7. 7-3 1 1-3		L ACTO
15,5 pipe 35 Cement with B. 2705Ks of 5.1 Wap 9.5 Brand 5% Plug down A RECEIV Office of Cil	7. 7-3 1 1-3		L ACTO
15,5 pipe 35 cement with B. 2705Ks of 5.1 wap 9.5 Barrel 5% Plug down A RECEIV Office ci Cil	7. 7-3 1 1-3		I ACID
15,5 pipe 35 cement with B. 270 SKs of 5.1 wap 9.5 Barrel Flug down A RECEIV Office ci Cil	7. 7-3 1 1-3		I ACID
15,5 pipe 35 cement with B. 270 SKs of 5.1 wap 9.5 Barrel Flug down A RECEIV Office ci Cil	7. 7-3 1 1-3		P.M
15,5 pipe 35 cement with B. 270 SKs of 5.1 wap 9.5 Barrel Flug down A RECEIV Office ci Cil	7. 7-3 1 1-3		P.M
15,5 pipe 35 cement with B. 270 SKs of 5.1 wap 9.5 Barrel Flug down A RECEIV Office ci Cil	7. 7-3 1 1-3	f	P.M

PLUGGING RECORD

REMARKS

DATE WELL	PLUGGED:	:		5e/ 21 on well #1
PLUGGING (CONTRACTOR:		1	5e 21 on well # 1 set 23.3 on well # 2 of 16" Conduct
PIPE LEFT II	N HOLE:		Ţ	
Size:		Footage:		
		_		
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		_		a-mail.
	L PLUGS SET AS	•.		•
From:	То:	Sacks/Type:		
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		<u> </u>		
				
				
				RECEIVED Office of Oil & Gas
	<u> </u>	<u> </u>		
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	•		<i>«</i>	WV Department of Environmental Protection
			_ 1	Environmental Protection
				
			_	

TALLY OF PIPE

SIZE	WEIGHT	GRADE	THREAD
11-30		•	ofth
119			1//

	Feet	In	Feet	In	Feet	In	Feet	In
V	43	45	6)	43	e5		
	44	20			44	30		
	44				44 37 44	35		
	132	05			37	25		
					44	20		
•					44	15		
					44	15 10 40		
					44	40		
			<u> </u>		43	85		
					44	35		
					43			
				<u> </u>	44			
					E71	اعرسم		ļ
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Office of Oil and Gas 1356 Hansford Street Charleston, WV 25301 Phone: (304) 558-6075 Fax: (304) 558-6047

West Virginia Department of Environmental Protection

Bob Wise, Governor Stephanie R. Timmermeyer, Cabinet Secretary

September 22, 2004

NOTIFICATION OF NON-COMPLIANCE

WR-35

EQUITABLE PRODUCTION COMPANY,

The FINAL INSPECTION REPORT for the permit, API Well Number: 47-4701511, issued to EQUITABLE PRODUCTION COMPANY, and listed below has been received in this office, and reclamation requirements approved. However, according to our records, the reports identified (WR-34, WR-35, WR-38) have not been filed. Consequently, the permit cannot be released. Additionally, failure to submit these reports within 15 days will result in enforcement action.

JAMES MARTIN Chief, Office of Oil and Gas

Operator: EQUITABLE PRODUCTION COMPANY

Operator's Well No: 506168

Farm Name: POCAHONTAS LAND CORP.

API Well Number: 47-4701511

Date Issued: 04/09/2001

West Virginia	
Department of	
Environmental	Protection

STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

WELL WORK PERMIT

Brine Disposal

This permit, API Well Number: 47-4701511, issued to EQUITABLE PRODUCTION COMPANY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-654-3312 and to the Oil and Gas inspector.

Please be advised that form WR-35, well operators report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may results in civil and/or criminal penalties being imposed upon the operators.

This permit will expire in two (2) years from the issue date.

If there are any questions, please feel free to contact me or Mr. Al Blankenship at 304-558-6342.

Chief.

Office of Oil and Gas

Operator's Well No: 506168

Farm Name: POCAHONTAS LAND CORP.

API Well Number: 47-4701511

Permit Type: Brine Disposal

Date Issued: 04/09/2001



1) Date: March	7		2001
2) Operator's Well No. Pocah	ontas	Land 50	5168
3) SIC Code			
4 API Well NO.	47	. 47	-0/5// Permit
	State	County	Permit
5. UIC Permit No.			

STATE OF WEST VIRGINIA NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION for the

DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WELL TYPE: Liquid injection	
District: Browns Creek County: McDowell Quadrangle: Davy 7.5'	
8) WELL OPERATOR Equitable Prod Eastern St. Inc. 9) DESIGNATED AGENT StephenuG. Perdu Address P.O. Box 2347 Charleston, WV 25328 10) OIL & GAS INSPECTOR TO BE NOTIFIED Name Mr. Offie Helmick Address P.O. Box 398 Brenton, WV 24818 11) DRILLING CONTRACTOR: Name Unknown at this time Address Plug off old formation Perforate new formation Convert Other physical change in well (specify) 13) GEOLOGICAL TARGET FORMATION, Berea Sandstone GEOLOGICAL TARGET FORMATION, Berea Sandstone 14) Estimated depth of completed well, (or actual depth of existing well) 3565 Approximate vater strata depths; Fresh. 50 Feet; salt, None Rep. feet. None reported 15) Approximate coal seam depths: None reported 17) Is coal being mined in the area? Yes. No. X. None reported 18) Virgin reservoir pressure in target formation. 859 Estimated reservoir fracture pressure. 1998 (using .58 fg) Destinated reservoir fracture pressure. 1998 (using .58 fg) DESTINATION OF MAZENALS TO BE INJECTED, INCLUDING ADDITIVES: SEE ATTACHMENT 20) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour: 47.7 bbls Bottom hole pressure 1900 PROPOSED WELL WORK: Drill X. Production See ATTACHMENT 21) Conductor 20'1 22) FILTERS (IF ANY): SEE ATTACHMENT 23) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL: SEE ATTACHMENT 24) CASING OR SPECIFICATIONS Well Production See ATTACHMENT 25) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL: SEE ATTACHMENT 26) Conductor 20'1 None Production See See See See See See See See See Se	-
Address P.O. Box 2347 Charleston, WV 25328 10 OIL & GAS INSPECTOR TO BE NOTIFIED	e
Charleston, WV 25328 Charleston, WV 25328 Charleston, WV 25328	
OIL & GAS INSPECTOR TO BE NOTIFIED Name Mr. Ofie Helmick Address P.O. Box 398 Brenton, WV 24818 Name Unknown at this time Address Plug off old formation_/ Perforate new formation_/ Convert_/ Other physical change in well (specify) 13) GEOLOGICAL TARGET FORMATION, Berea Sandstone Depth 3370 feet(top) to 3420 feet 14) Estimated depth of completed well, (or actual depth of existing well) 3565 f. 15) Approximate water strata depths: Fresh, 50 feet; salt, None Rep. feet. 16) Approximate coal seam depths: None reported 17) Is coal being mined in the area? Yes/ No_X_/ 18) Virgin reservoir pressure in target formation 859 est., psig. Source offset well 47-047-00944 (12 hr SIP) 19) Estimated reservoir fracture pressure 1998 (using .58 fg) psig (BHFP) 20) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour: 47.7 bbls Bottom hole pressure 1900 21) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES: SEE ATTACHMENT 22) FILTERS (IF ANY): SEE ATTACHMENT 23) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL: SEE ATTACHMENT 24) CASING AND TUBING PROGRAM CASING OR SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL: MAR O'7 2001 24) CASING AND TUBING PROGRAM CASING OR SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL: MAR O'7 2001 25) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL: MAR O'7 2001 26) Size Grade Septim Fig. New Used Fooderling Left in well (clobe fien) Conductor 20"	.8
Address P.O. Box 398	
Brenton, WV 24818	
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0 - 2 7 9	ell
Liners Or 2 7/8" Perforations:	
Top B	Mtom
Pocahontae Land Corporation	
25) APPLICANT'S OPERATING RIGHTS were acquired from Pocahontas Land Corporation by deed / lease X / other contract / dated April 2nd , 19 85 , of rec	
	ord in the
McDowell County Clerk's office in Lease Book 378 at page 596 See the reverse side of the APPLICANT'S COPY for instructions to the well operator.	

ATTACHMENT TO WW-3(B)

- 21) Biocide to be injected to control aerobic and anaerobic bacteria.
- 22) Cartridge filters minimum 25u
- 23) Corrosion inhibitor in annular fluid between tubing and injection casing. Injection tubing to be internally coated; all surface piping and tankage to be lined or constructed of fiberglass, plastic or stainless steel.

RECEIVED
Office of Oil & Gas
Permitting

MAR 07 2001

ww Division of Environmental Protection

ATTACHMENT TO WW3(B)

The frac gradient provided on the attached WW-3(B) form is based on the frac gradients determined in the Berea intervals for wells to the south of the proposed disposal well. The two wells for which Berea frac gradients of .58 were calculated were API Nos. 47-047-00296 and 47-047-00377. A third well, API No. 47-047-00944 had records showing a frac gradient of .48 in the Berea. An accurate determination of frac gradient in the Berea will be established for the proposed disposal well – and the gradients shown are used only for estimation purposes. A step-rate test for the proposed well can also be performed to further define the frac gradient.

RECEIVED
Office of Oil & Gas
Permitting

MAR 07 2001

WV Division of Environmental Protection

PORM	WW-	3(A)
Obver	'se		

1) Date March 7, 2001

Operator's

2) Well No. Pocahontas Land 506168

3) SIC Code

4) API Well No. 47 -

State County Permit

STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION for the

OFFICE OF OIL AND GAS, DIVISION OF ENVIRONMENTAL PROTECTION

office of oth min day, bi	VISION OF ENVIRONMENTAL PROTECTION
6) SURFACE OWNER(S) OF RECORD TO BE SERVED	7 (i) COAL OPERATOR N/A
·	Address
(i) Name Pocahontas Land Corporation	
Address P.O. Box 1517	7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD
Bluefield, WV 24701	Name Penn Va. Oil and Gas Corporation
(ii) Name	Address P.O. Box 387
Address	Duffield, VA 24244
	7 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
(iii) Name	NameMarianna Coal Co./Robinson Phillips
Address	Address P.O. Box 1116
	Grundy, VA 24614
TO THE PERSON(S) NAMED ABOVE: You should he	ave received this Form and the following documents
(1) The Application for a Liquid Inject	tion or Waste Disposal Well Work Permit on Form
WW-3(B), which sets out the parties	s involved in the drilling or other work, and
(2) The plat (surveyor's map) showing t	the well location on Form WW-6; and
	lan on Form WW-9 (unless the well work is only
	e plan for erosion and sediment control and for
reclamation for the site and access	road.
The date proposed for the first injection	on or waste disposal is April 20 , 2001 .
THE REASON YOU RECEIVED THESE DOCUMENTS IS 1	THAT YOU HAVE RIGHTS REGARDING THE APPLICATION
WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" (ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION
(FORM WW-3(B)) DESIGNATED FOR YOU. HOWEVER,	, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.
well operator proposes to file or accompanying documents for a Well Oil and Gas, West Virginia Division a well at the location described attached form WW-6. Copies of thi Construction and Reclamation Plan mail or delivered by hand to the	of the West Virginia Code, the undersigned has filed this Notice and Application and Work Permit with the Chief of the Office of of Environmental Protection, with respect to on the attached Application and depicted on s Notice, the Application, the plat, and the have been mailed by registered or certified person(s) named above (or by publication in the day of mailing or delivery to the Chief.
	all make the following certification:
"I certify under penalty of law personally examined and am familiar information submitted in this docume attachments and that, based on my in those individuals immediately responsible obtaining the information, I believe the information is true, accurate, a I am aware that there are significant for submitting false information, in possibility of fine and imprisonment	with the ent and all aquiry of By asible for that Its Permitting Technician and complete RECEIVED to penalties Offices 10 & Gas 4-357-9228 acluding the Permitting MAR () 7 2001
	WV Division of Environmental Protection

West Virginia Division of Environmental Protection Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

X Contractor Name		SLS Inc. – Environmental Division
Well operator's pr	ivate laboratory	
Well Operator	EQUITABLE PR	RODUCTION – EASTERN STATES, INC.
Address	P.O. Box 2347	
	Charleston, WV	25328
Telephone	304-343-9566	
•		· · · · · · · · · · · · · · · · · · ·

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underlining which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

There were samples taken on 3 water wells within ½ mile of this proposed location. Results and map are attached.

WW-9	
Revised	4/99

Page of		
2) Operator's Well Num	nber	
Pocahontas Land 50616	38	
3) API Well No.: 47 -		
State	County	Permit

the state of the s

STATE OF WEST VIRGINIA

DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

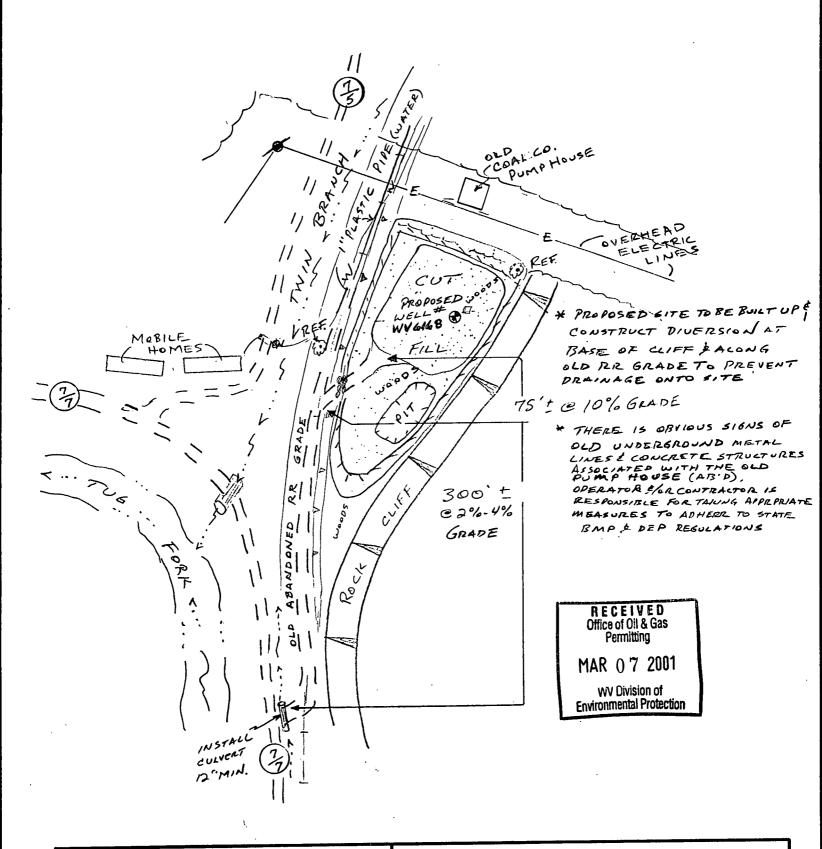
Operator l	Name ₋	EQUITABLE PRO	DUCTION -	EASTERN S	TATES, INC.	OP ID		
Watershe	d <u>Tv</u>	win Branch of T	ug River			Quadrang	le _Davy 7.5'	
Elevation	1165'	County	McDowell	!		District	Browns Cre	ek
Descriptio	n of anti	cipated Pit Was	ste: <u>Drill w</u>	vater, frac l	blow back ar	nd various	formation cuttir	igs
Will a syn	thetic lin	er be used in th	e pit? Y	es, if impe	rvious mate	rial is not a	vailable on site	
·	X	I Method for Tr Land Applicat Underground Reuse (at API Offsite Dispos Other (Explain Which Pit Will Drilling Workover Other (Explain	ion Injection - U Number al (Supply f n be Used:	JIC Permit		M	RECEIVED Office of Oil & Gas Permitting AR 0 7 2001 WV Division of vironmental Protection	
issued on Junderstand permit and/out of least this applicates ponsible there are signification.	June 14, 1 that the pi or other ap rtify under tion form for obtain gnificant pe	understand and a 994, by the Office rovisions of the perplicable law or regreporate and all attachments and all attachments for submit Signature (Typed or Printers)	e of Oil and armit are enforulation can leat I have persents thereto in I believe the ting false infor	Gas of the reable by la ad to enforce so ally exam and that, battine inform	West Virginia w. Violations ement action. ined and am fased on my in action is true, a ding the possib	Division of E of any terms amiliar with the ending of the endourage and	Environmental Pro or conditions of the he information sulpse individuals in complete. I am a	tection. In the general omitted on the mediately
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Bay	and sworr	before me this	7th day o			, 20	·	
My Commis	sion Expir	es <u>/////</u> ///////////////////////////////	18 No.	P006,		The second secon	Storm Congress Dr. 1	777 777 777 777 777 777 777

Property Boundary .		Diversion	////////
Road	Spring	g Wet S	spot ,
	O	→ -8	Office
Planned Fence	Drain Pipe with size in inches	Water Way	Office of Oil and Grand
//_/	12	←→ ←	W 1 3 4
Existing Fence	Stream	Cross	: " " [] [] []
_x x x x			
Open Ditch	Artificial Filter Strip	Rock	
	XXXX	800	0
North	Buildings	Water Wells	Drill Site
N		W	\oplus
Pit with Cut Walls	Pit with Compacted Walls	Area of Land A	pplication of Pit Waste
E LILLIAN STATE OF THE STATE OF			
Proposed Revegetation Tre	eatment: Acres Disturbed 2.0	Prevegetation pH	
Lime3	Tons/acre or to correct to pH	6.5	
Fertilizer (10-20-20) or equivalent 1/3 Ton Lbs/acre (500 lbs minimum)			
Mulch 2	Tons/acre or hydroseed		
A	SEED MIXT		\ II
	ea I		Area II
Seed Type	Lbs/acre	Seed Type	Lbs/acre
KY-31 Alsike Clover	40 10	Orchard Grass Alsike Clover	15 5
Annual Rye	5	Alsike Clovel	
Redtop	2		
ATTACH: Drawing(s) of road, location	on, pit and proposed area for land	application.	
Photocopies section of involved 7.5' topographic sheet.			
Plan approved by:			
Title:pull	/ Date: _ <u>·</u>	3.12.01	
Field Reviewed? () Yes () No			

Form WW-9

POCAHONTAS LAND CORP. WELL NO. WV6168

page 5 of 7

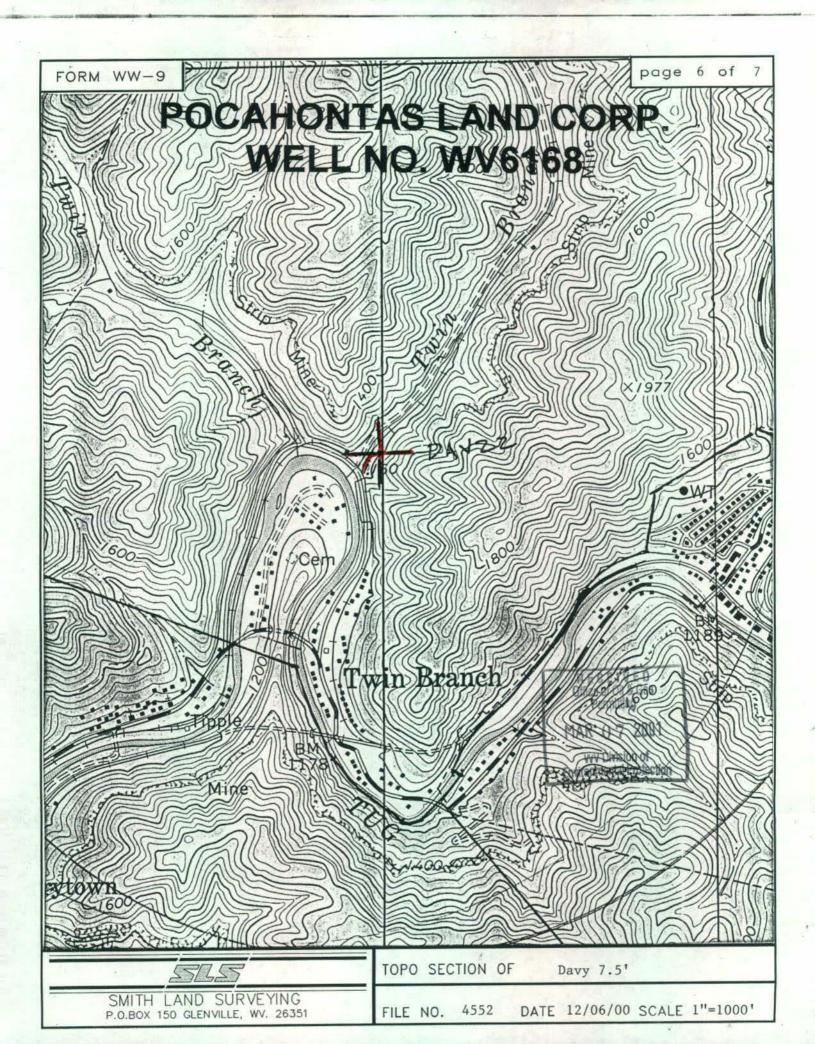


SMITH LAND SURVEYING, INC.

Phone (304) 462-5656 or 462-5634

P.O. BOX 150, GLENVILLE, WV 26351

DRAWN BY C. V. M DATE 12-06-00 FILE NO. 4552





7000 1670 0009 5034 3270

RETURN RECEIPT REQUESTED



1710 Pennsylvania Avenue P.O. Box 2347 Charleston, WV 25302

Mr. Mark Goff
Marianna Coal Co./Robins P.O. Box 1116 Grundy, VA 24614



7000 1670 0009 5034 3287

RETURN RECEIPT REQUESTED

HAR-TOI Z

1710 Pennsylvania Avenue P.O. Box 2347 Charleston, WV 25302

EQUITABLE PRODUCTION

Office of Oil & Ga

Mr. James T. Harsha
Penn Virginia Oil and Gas Corporation
O.O. Box 387
Ouffield, VA 24244



RETURN RECEIPT REQUESTED

1710 Pennsylvania Avenue P.O. Box 2347 Charleston, WV 25302



Mr. John W. Payne
Pocahontas Land Corporation
P.O. Box 1517
Bluefield, WV 24701



TEL 304.343.9566 FAX 304.344.0363

March 15, 2001

Mr. John W. Payne Pocahontas Land Corporation P.O. Box 1517 Bluefield, WV 24701

RE: Pocahontas Land 506168 Permit Application

Dear Mr. Payne:

We had an error on the WW-3(a) form sent to you originally. We listed Penn Virginia as the coal owner, which is incorrect. Enclosed, please find a revised WW-3(a) form and a coal waiver. We respectfully request, you sign, as coal owner, the attached waiver and return it to me in the enclosed SASE.

If you have any questions, please feel free to contact me at (304) 357-9228.

Sincerely.

EQUITABLE PRODUCTION - EASTERN STATES, INC.:

Bryant Wayne Bowman II Permitting Technician



7099 3220 0009 4810 3777

RETURN RECEIPT REQUESTED

1710 Pennsylvania Avenue P.O. Box 2347 Charleston, WV 25302

EQUITABLEPRODUCTION

Mr. John W. Payne Pocahontas Land Corporation P.O. Box 1517 Bluefield, WV 24701



O Johnson

New drill for a brine disposal well. 9-01-00 Operator: Well #/Name:_ Reviewed By: CHECK LIST FOR FILING A PERMIT New Drill Ι. WW-2B signed off by inspector Surface Owner Waiver Coal Owner/Lessee/Operator Waiver WW-2A (1) including page and book and royalty percentage WW-2B (1) (If there are sources to be tested - we need names, addresses and location on topo listed as water testing) WW-9 (page 1 and 2) 3/12/01/Inspector Signature on WW-9 Reclamation Plan Mylar Plat Topography Map of the proposed location Certified Mail Receipts or affidavit of personal service ✓ Bond A check for \$450.00 Workers Comp/Employ. OK Re-Work, Frac and Drill Deeper Permits II. **YW-2B** WW-2B signed off by inspector Surface Owner Waiver

Coal Owner/Lessee/Operator Waiver

WW-2A (1) including book and page and royalty percentage. WW-9 (page 1 and 2) Inspector Signature on WW-9 Reclamation Plan _ Mylar Plat Topography Map of location for the well and pit Certified Mail Receipts or affidavit of person service

Completion/Well Records of previous work

A check for \$350.00 if no pit \$250.00

Workers Comp/Employ. OK

FORM WW-72 04/07/2003

OIL AND GAS RECLAMATION NOTICE

TO:

Name	Pocahontas Land Corp	
Address	P.O. Box 1517	
	Bluefield, WV 24701	
Name		
Address		1
Name	Ron Scott	
Address	150 Prospect Street	
	Spencer, WV 25276	

Pursuant to West Virginia Code 22-7-5, notice is hereby given that the undersigned Well Operator is commencing the reclamation required by West Virginia Code 22-6-30 of the surface disturbance caused by well work described as follows:

API Number: 47-047-01511

Operator's Well Number: Poca TXO 506168

District: Browns Creek County: McDowell

Generally Used Farm Name: POCAHONTAS LAND CORP

Any claim for oil and gas production damage compensation pursuant to Article 7, Chapter 22 of the Code must be made within two years of the receipt of this notice.

WELL OPERATOR: EQUITABLE PRODUCTION COMPANY

By:

Title of Signatory Landman

Address P.O. Box 2341

Charleston, WV 25328

Telephone (304) 348-3845

1710 Pennsylvania Avenue Charleston, WV 25302

7001 0360 0000 0260 5910

RETURN RECEIPT REQUESTED

CERTIFIED MAIL



Todd Dunn Pocahontas Land Corporation P.O. Box 1517 Bluefield, WV 24701 E A A Z E

An EQUITABLE RESOURCES Company