



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

January 17, 2014

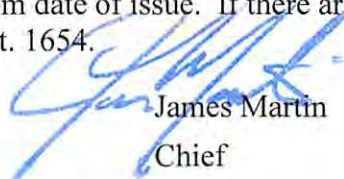
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4701359, issued to EQT 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 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: WV 793806 (WVC 3937)
Farm Name: POCAHONTAS LAND CORP.
API Well Number: 47-4701359
Permit Type: Plugging
Date Issued: 01/17/2014

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

47 01359A

WW-4-A
Revised 6/07

- 1) Date: Dec. 16, 2013
- 2) Operator's Well Number
793806 WVC 3937
- 3) API Well No.: 47 047 - 01359
State County Permit

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
NOTICE AND APPLICATION TO PLUG AND ABANDON WELL**

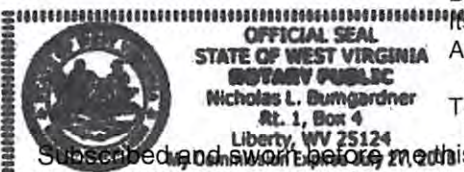
<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Pocahontas Land Corporation</u> ✓ Address <u>P.O. Box 1517</u> <u>Bluefield, WV 24701</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p> <p>6) Inspector <u>Gary Kennedy</u> ✓ Address <u>P.O. Box 268</u> <u>Nimitz, WV 25678</u> <u>25978</u> Telephone <u>304-382-8402</u></p>	<p>5) (a) Coal Operator: Name <u>None</u> Address _____</p> <p>(b) Coal Owner(s) with Declaration Name <u>Resurrection Coal Co. Inc</u> ✓ <u>P.O. Box 480</u> Address <u>laeger, WV 24844</u></p> <p>Name _____ Address _____</p> <p>(c) Coal Lessee with Declaration Name _____ Address _____</p>
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TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
 - (2) The plat (surveyor's map) showing the well location on Form WW-6.
- The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Division of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator: EQT Production Company
By: Victoria J. Roark
Permitting Supervisor
Address: PO Box 280
Bridgeport, WV 26330
Telephone: (304) 848-0076



Subscribed and sworn before me this 16 day of DECEMBER, 2013
Notary Public
My Commission Expires: 6/27/2018

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The Office of Oil & Gas processes your personal information, such as name, address and phone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

01/17/2014

4701359A

Form WW-4 (B)
Permit Copy
(Rev 2/01)

Date: Dec. 16, 2013
Operator's Well _____
Well No. 793806 WVC 3937
API Well No.: 47 047 - 01359

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

CK
17237
100⁰⁰

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil _____ Gas X Liquid Injection _____ Waste Disposal: _____
If Gas, Production X Or Underground storage _____ Deep _____ Shallow X

5) Elevation: 2134 Watershed: Atwell Branch
Location: Sandy River 06 County: McDowell 47 Quadrangle: Davy 319
District: _____

6) Well Operator EQT Production Company
120 Professional Place
Address: Bridgeport, WV 26330

7) Designated Agent: Rex C. Ray
Address: 120 Professional Place
Bridgeport, WV 26330

8) Oil & Gas Gary Kennedy
Name: P.O. Box 268
Address: Nimitz, WV 25678

9) Plugging Contractor:
Name: HydroCarbon Well Service
Address: PO BOX 995
Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:
See Attachment for details and procedures.

OFFICE USE ONLY

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector *Gary Kennedy* Date 12/27/13

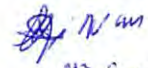
01/17/2014

PLUGGING PROGNOSIS

793806McDowell COUNTY, WEST VIRGINIA
API # 47-047-01359BY: Beau Fry
DATE: 12/4/13**CURRENT STATUS:***Hole has restriction in casing @ 1713' probably need 1 1/2" tubing*12 3/4" csg @ 30' Grouted
8 5/8" csg @ 315' Cemented to surface
4 1/2" csg @ 1960' Cemented to surface
TD @ 1960'Oil Shows – None Reported FW Shows – None Reported Gas shows – None Reported
Coal Shows – 127'-129', 169'-170', 367'-368', 386'-387', 450'-451'.**Stimulation:** Hole perforated @ 1498'-1752' Poca #6 & Poca #6R & Poca #3 ; 1049'-1344' Poca #8,
Berkley, Firecreek.

1. Notify State Inspector, Gary Kennedy, 1-304-382-³⁴⁰²~~9700~~ 48 hrs prior to commencing operations.
2. TIH 1 1/2" tubing to 1900' or deeper until you TD the well. If TD is deeper than 1900' proceed with Plugging the well.
3. TIH w/ tbg @ 1900' or deeper'; Set 951' C1A Cement Plug @ 1900' or deeper to 949' (Coal Completions perforations).
4. TOOH let cement cure.
5. TIH w/ tubing check Cement top and set C1A Cement from Cement top to Surface totally filling well w/ cement. (2nd set of Coal perms .5 coal shows, 8 5/8" csg pt, 12 3/4" csg pt).
6. Top off as needed
7. Set Monument to VA-DEP Specifications
8. Reclaim Location & Road to VA-DEP Specifications

670 Gall BETWEEN PLUGS


 Gary Kennedy
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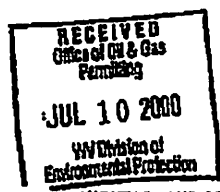
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Environmental Protection

4701359P

WVC 3937

WR-33



24-Aug-98
API # 47- 047-01393 C

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

Reviewed _____

Well Operator's Report of Well Work

Farm Name: PENSAHONTAS LAND CORP Operator Well No.: WVC 3937

LOCATION: Elevation: 2,141.26 Quadrangle: DAVY
District: SANDY RIVER County: McDOWELL

Latitude: 14266 Feet South of Dep. 37 Minutes 23 Seconds 0
Longitude: 9547 Feet West of Dep. 81 Minutes 42 Seconds 30

Company: EQUITABLE PRODUCTION COMPANY
P.O. Box 2347, 1710 Pennsylvania Avenue
Charleston, WV 25328

Casing & Tubing Size	Used In Drilling	Left In Well	Greatest ID Up Ca. Ft.
12-3/4"	30'	30'	GRTD
8-5/8"	315'	315'	138 FT*
4-1/2"	1880'	1960'	329 FT*
2-3/8"		1851'	

Agent: Richard D. Smeltzer

Inspector: OFIE HELMICK
Permit issued: 02/24/1998
Well work commenced: 12/08/99
Well work completed: 12/30/99

Verbal Plugging: Permission granted on:

Rotary Rig: X Cable Rig: _____
Total Depth: 1882 feet
Fresh water depths (ft): _____

Salt water depths (ft): _____

Is coal being mined in area? _____
Coal depths (ft): Ranged from 12'-17.5'

OPEN FLOW DATA

Producing formation Poco 5,GR3,Bentley,Firecrack,Poco 8 Pay Zone Depth (ft): _____ See Attach for details

Gas: Initial open flow _____ Bbl/d
Final open flow 13 Final open flow: _____
Time of open flow between initial and final tests _____ Hours
Static rock pressure 82 psig (surface pressure) after 48 Hours

Second producing formation _____ Pay Zone Depth (ft): _____

Gas: Initial open flow _____ Bbl/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: EQUITABLE PRODUCTION COMPANY

By: [Signature]
Date: 1-5-00

[Handwritten initials]

Davy 7

**EQUITABLE PRODUCTION COMPANY
WR-36 COMPLETION REPORT - Attachment
Well Treatment Summary**

Well: WVC-3937

API# 47-047-01359 C

Date	12/13/99	12/16/99			
Type Frac Acid, N ₂ , Foam, Water	X-Link Gel	X-Link Gel			
Zone Treated	Poco 8,8R,3	Berkley Firecreek Poco 8			
# Perfs	18	19			
From - To:	1498-1752	1049-1344			
BD Pressure @ psi	1688	1080			
ATP psi	3031	2885			
Avg. Rate, B=BM, S=SCF/B	15 B	15 B			
Max. Treat Press psi	4365	4000			
ISIP psi	NA	3082			
Frac Gradient					
10 min S-I Pressure	NA	1488(5 min)			
Material Volume					
Sand-sks	101	138			
Water-bbl	234	314			
SCF N ₂	128,000	124,605			
Acid-gal	500 gal 7-1/2%				
NOTES:	Screened out	Screened out			

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JUL 10 2000
WV Division of
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TOP	BASE	FORMATION	REMARKS*
0	20	Overburden	
20	110	Sand Shale	
110	127	Sandy Shale	
127	129	Coal	
129	169	Sandy Shale	
169	170	Coal	
170	290	Sand Shale	
290	348	Sandy Shale	
348	367	Sand Shale	
367	368	Coal	
368	386	Sand Shale	
386	387	Coal	
387	450	Sand Shale	
450	451	Coal	
451	525	Sandy Shale	
525	609	Sand Shale	
609	730	Sandy Shale	
735		Sewell A.	
860		Welch	
951		L. Raleigh	
1049		Berkley	
1205		Firecreek	
1270		L. Firecreek	
1343		Poco 8	
1424		Poco 6	
1498		Poco 4	
1634		Poco 2	
1688		Poco 1	
1751		Squire Jim	

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Historical Well Chronology

Well Name: 793806 WVC3937 (CABOT WELL 472198010)

API 4704701359	Entra Well # 793806	PUD Name & #	Permit Number	Permit Date	Prod Resp Party	Farm Name (WV)	Operator CABOT OIL AND GAS MARKETING	State WV
Orig RB Elev...	Spud Date 12/8/1999	Planned Well Geometry	Well Type Conventional	Loc Stat from List spud	Area	County Mc Dowell, WV	Quad	

Job Category: Completion/Workover, Job Start Date: 10/21/2010					
Job Category Completion/Workover	AFE Number	Start Date 10/21/2010	Date TD Reached (wellsite)	Target Depth (ftKB)	Total AFE Amount (Cost)

Report #: 1.0	DFS: 3972.00	Rigs: <Rig?>	Job Category: Completion/Workover
Report End Date 10/21/2010 00:00	Operations at Report Time MIRU	Last Casing String	
Day Total (Cost) 1,355.00	Cum To Date (Cost) 1,355.00	Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0
End Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts	

Operations Summary
On 10-21: Move rig to location rig up rig tare well down rods hung in hole pull 16ths on rods would not come loose work up and down released tubing pulled 20lbs pulled 1 full joint set back in slips tried rods again pulled 20ths stated picking up pipe in slips put back inline.

LOE

Report #: 2.0	DFS: 3973.00	Rigs: <Rig?>	Job Category: Completion/Workover
Report End Date 10/22/2010 00:00	Operations at Report Time Pulled Rods	Last Casing String	
Day Total (Cost) 1,885.00	Cum To Date (Cost) 3,240.00	Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0
End Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts	

Operations Summary
On 10-22: Had to go to codys to pick up 2 pcs of 10md pipe to check /td blow well down hook up to pull pipe put on first pcs only made it down 6inches started backing of rods and pulling pipe pulled 59pcs sh @ 1800.95 tall pipe @ 1816.66 also pulled 71 rods 2 4fters 10ft polish rod run till down to 1713 almost got hung had to jar loose. Rig down move rig to codys yard take pump from well # 793801 wvc3697 to brenton.

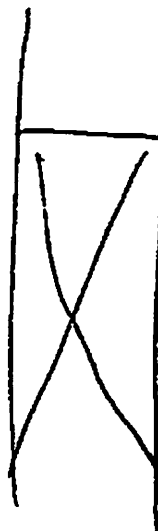
LOE

15-19 mced

Needs acid treatment with Calcium treatment

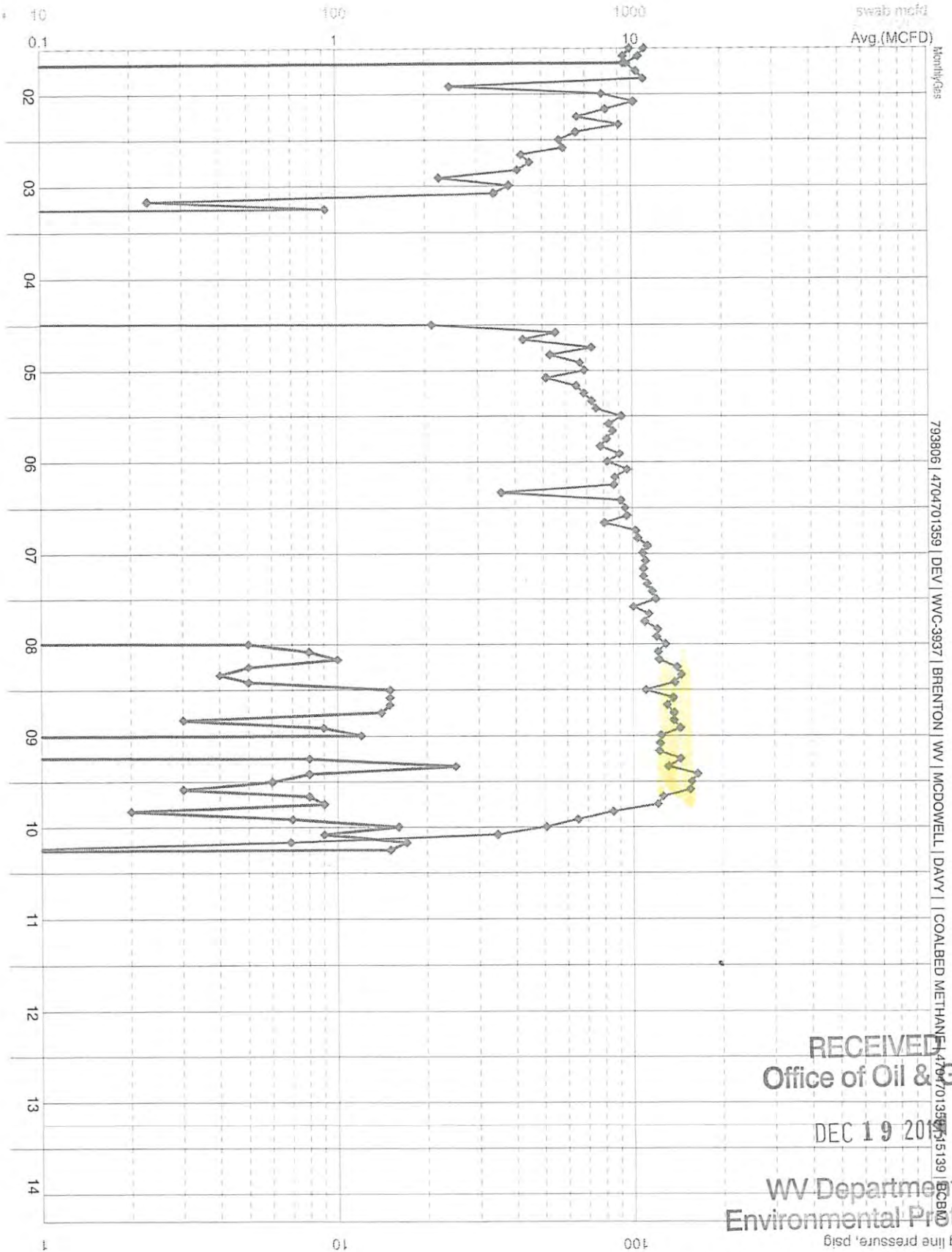
- 1800 ft 2 3/8 → 5000
- 1800 ft 3/8 rods → 5000
- DHP → 1500
- Tank → 1500
- Separator (production unit) (Meter) → 2500
- Compressor → 25000
- Pump jack → 15000 →
- Base
- \$2000 worth of fitting

PLUG



HK

4701359P



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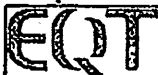
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4701359P

01/17/2014

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Historical Well Chronology

Well Name: 793806 WVC3937 (CABOT WELL 472198010)

API	Energy Well #	FLD Name & #	Permit Number	Permit Date	Prod Resp Party	Form Name (AV)	Operator	State
4704701359	793806						CABOT OIL AND GAS MARKETING	WV
Rig KB Elev	Spud Date	Planned Well Geometry	Well Type	Loc Stat from LHM	Area	County	Class	
	12/6/1999		Conventional	spud		Mc Dowell, WV		

Job Category: Completion/Workover, Job Start Date: 10/21/2010					
Job Category	AFE Number	Start Date	Date TD Reached (ft/Depth)	Target Depth (ft/KB)	Total AFE Amount (Cost)
Completion/Workover		10/21/2010			
Summary					

Report #: 1.0 DFS: 3972.00		Rigs: <Rig?>		Job Category: Completion/Workover	
Report End Date	Operations at Report Time	Last Casing String			
10/21/2010 00:00	MIRU				
Day Total Cost	Cum To Date Cost	Start Depth (ft/KB)	End Depth (ft/KB)	Drift (ft/ft)	Avg ROP (ft/hr)
1,355.00	1,355.00	0.0	0.0		

Operations Summary
 On 10-21: Move rig to location rig up rig tare well down rods hung in hole pull 16ths on rods would not come loose work up and down released tubing pulled 20ths pulled 1 full joint set back in slips tried rods again pulled 20ths stated picking up pipe in slips put back inline.

LOE

Report #: 2.0 DFS: 3973.00		Rigs: <Rig?>		Job Category: Completion/Workover	
Report End Date	Operations at Report Time	Last Casing String			
10/22/2010 00:00	Pulled Rods				
Day Total Cost	Cum To Date Cost	Start Depth (ft/KB)	End Depth (ft/KB)	Drift (ft/ft)	Avg ROP (ft/hr)
1,885.00	3,240.00	0.0	0.0		

Operations Summary
 On 10-22 Had to go to codys to pick up 2 pcs of 10md pipe to check t/d blow well down hook up to pull pipe put on first pcs only made it down 6inches started backing of rods and pulling pipe pulled 59pcs sin @ 1800.95 tail pipe @ 1816.65 also pulled 71 rods 2 4fters 10ft polish rod run bit down to 1713 almost got hung had to jar loose. Rig down move rig to coaly's yard take pump from well # 793801 :wvc3937 to brenton.

LOE

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793806

	NOTE_TEXT
1	LESS THAN 10Mcf/d: 2007
2	Flo Cal
3	Code - 97
4	N/A
5	Yearend well check for 2011.
6	Brenton WV CBM.
7	BR3 200 WELLS
8	Still Flat - Yes
9	EQT operated wells that flow through Cabot pipelines.
10	BUD09 Forecast Revisions.
11	EQT Wells flowing through Cabot Pipelines.
12	YERR_WELLCOUNT FOR 2011.
13	Dead, To be plugged
14	Orifice Plate Diameter - 0.375 / Tube Diameter - 2.06500005722046
15	Cabot operated well. Will check with operator.
16	Well had downhole pump issue that is now resolved, shift curve up as per production engineer.
17	Equitable Production assumed operations of well on 01/01/2006 from Cabot Oil & Gas Corporation.
18	Grease Pumping Unit
19	Grease Pumping Unit-8 MCF
20	Blow Drip - Location-
21	Blow Drip - Location-
22	Blow Drip - Location-
23	Blow Drip - Location-COMP. DOWN H/D R/S
24	Blow Drip - Location-SHUT PUMPING JACK DOWN
25	Blow Drip - Location-could not restart comp cabot line out
26	Blow Drip - Location-11 MCF
27	Blow Drip - Location-
28	Blow Drip - Location-
29	Blow Drip - Location-
30	Maintenance-10mcf
31	Maintenance-10mcf
32	Maintenance-10MCF
33	Maintenance-10MCF
34	Maintenance-10MCF
35	Fluid Level-10mcf
36	Blow Drip - Location-Grease Pumping Unit-11mcf
37	Blow Drip - Location-Grease Pumping Unit-11mcf
38	Blow Drip - Location-Grease Pumping Unit-11mcf
39	Blow Drip - Location-Grease Pumping Unit-11mcf
40	Blow Drip - Location-Grease Pumping Unit-11mcf
41	Blow Drip - Location-Grease Pumping Unit-11mcf
42	Blow Drip - Location-Grease Pumping Unit-11mcf
43	Blow Drip - Location-Grease Pumping Unit-11mcf
44	Blow Drip-Location-Grease Pumping Unit-4mcf
45	Blow Drip-Location-Grease Pumping Unit-11mcf
46	Blow Drip-Location-Grease Pumping Unit-11mcf
47	Blow Drip-Location-Grease Pumping Unit-11mcf
48	Blow Drip-Location-Check Wellhead Compressor-11mcf

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NOTE_TEXT

49	Blow Drip-Location-Check Wellhead Compressor-11mcf
50	Blow Drip-Location-Check Wellhead Compressor-12mcf
51	Blow Drip-Location-Check Wellhead Compressor-10mcf
52	Blow Drip - Location-14mcf
53	Blow Drip - Location-11mcf
54	Blow Drip - Location-11mcf
55	Blow Drip - Location-10mcf
56	Blow Drip - Location-10mcf
57	Blow Drip - Location-10mcf, Replaced 2" valve and 2"x 24" nipple on well head.
58	Blow Drip - Location-6mcf
59	Blow Drip - Location-12mcf
60	Blow Drip - Location-13mcf
61	Blow Drip - Location-13mcf
62	Blow Drip - Location-13mcf, Shut comp down due to cabot having co
63	Blow Drip - Location-10mcf
64	Blow Drip - Location-16mcf
65	Blow Drip - Location-5mcf, Restarted comp.
66	Blow Drip - Location-7mcf, Restarted comp.
67	Blow Drip - Location-14mcf
68	Blow Drip - Location-16mcf
69	Blow Drip - Location -14mcf
70	Blow Drip - Location -14mcf
71	Blow Drip - Location -13mcf
72	Blow Drip - Location -13mcf
73	Blow Drip - Location-13mcf
74	Change Chart/Download Meter-October Total-411mcf, Average 13mcf perday.
75	Blow Drip - Location-13mcf
76	Blow Drip - Location -Nov tot-397mcf
77	Blow Drip - Location -Dec total 335mcf
78	Blow Drip - Location -Replaced pressure release valve on discharge.
79	Blow Drip - Location -Comp was off on low suction. Restarted
80	Blow Drip - Location -Jan Total-378mcf
81	Blow Drip - Location -Comp has another blown head gasket.
82	Blow Drip - Location -Feb total 349mcf
83	Blow Drip - Location -Comp was off on low comp oil psi.
84	Blow Drip - Location -Mar totals 407mcf
85	Maintenance-S 3 D 16
86	Check Wellhead Compressor-S 3 D 18 50" TANK SPACE, KILLED 34" COPPERHEAD AT DRIP.
87	Check Wellhead Compressor- S 0 D 15
88	Check Wellhead Compressor- S 5 D 24, FLUID 35"
89	Check Wellhead Compressor- S 6 D 16, MOWED
90	Check Wellhead Compressor- S 30 D 8/80 After starting comp. down on low oil press, reset & started. PV needed
91	Maintenance S 5 D 16
92	Maintenance S 23 D 34, PJ & Comp. down on low oil ps. Reset breaker & started.
93	Maintenance S 10 D 80 MCF 38, Motor on PJ the fan is broke, left off
94	Maintenance-(JULY, 514) 16.6 MCF P/D
95	Maintenance-CHECKED PACKING, GREASED.
96	Maintenance-(AUG, 548) S 5 D 20 MCF 17.7

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NOTE_TEXT

97	Maintenance-S 3 D 16 MCF PS 3 PD 11 RPM 1100, Backblew lines
98	Maintenance-(SEP, 490)
99	Check Wellhead Compsior-S 25 D 30mcf 30, Down on COP, Restarted ok. PS 24 PD 30 RPM 1000
100	Maintenance-S 10 D 24
101	Maintenance (OCT, 651)
102	Maintenance S 15 D 58 MCF 37 FL 6'
103	Maint. (NOV. 517)
104	Maintenance -(DEC. 465) PJ MOTOR BURNT UP
105	Maintenance-(JAN, 527)
106	Maintenance-S 20 D 40mcf 33 SUCT 22 DISC 22
107	Maintenance-S 5 D 30mcf 21.6, PJ MOTOR DOWN
108	Maintenance-PJ MOTOR REPLACED.
109	Change Chart/dl mtr(FEB, 519)
110	Maint DOWN on Scrubber level , wouldn't restart.
111	Maint S 3 D 10 MCF 12 PS 3 PD 23
112	Maint S 3 D 10 MCF 12
113	Maint S 3 D 7 MCF 10 PS 3 PD 22
114	Change Chart/Download Meter-(MAR, 355)
115	Change Chart/Download Meter-(APR, 328)
116	Maintenance-S 3 D 10 MCF 12 PS 9 PD 19, DOWN ON LOW OIL PRESS. OIL OK, RESTARTED. MOWED.
117	Maintenance-S 3 D 5 MCF 8
118	Maint COMP. DOWN ON LOW OIL PRESS. OIL OK.
119	Chng Chart/DL mtr (MAY, D, 194) COMP. DOWN ON LOW OIL PRESS. OIL OK.
120	Msg to Eng or Supt Down hole pump is not pumpin & compressor keeps goin down on low oil pres. Oil is ok.
121	Maint Downhole pump is not pumpin. S 17 D 65 AFTER COMP RESTART.
122	Change Chart/dl mtr S 12 D 4 MCF 9
123	Maint DOWNHOLE PUMP STILL DOWN.
124	Maint PJ & COMP. DOWN
125	Maint S 25 D 0, PJ PUMP DOWN & COMP.
126	Maint PUMP DOWN. COMP OFF.
127	Maint EVERYTHING STILL DOWN.
128	Maint Transducer conversion to Square D. Dale Harold
129	Change Chart/Download Meter S 22 D 0 MCF 0, tbg AND PUMP OUT OF WELL.
130	Maint STILL SHUTTIN.
131	Service Rig on Well Calcium Issue will be TBIL next year
132	Change Chart/Download Meter WELL SHUTTIN TILL NEXT YEAR.
133	Maint. STILL DOWN AND SHUTTIN.
134	Maint. STILL SHUTTIN.
135	Chng Chrt/DL Mtr S 0 D 0 MCF 0
136	Maint. Compressor
137	Downtime-Calcium Issue will be TBIL next year
138	Well_Visit-Still shuttin.
139	Wellhead_Compressor-Well has tubing and rods out of well. Shuttin.
140	Well_Visit STILL SHUTTIN
141	Wellhead_Compressor Well has tubing & rods out of well. Still SI
142	Well_Visit STILL SHUTTIN.
143	Wellhead_Compressor Well has tubing and rods out of well. Shuttin.
144	STILL SHUTTIN

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NOTE_TEXT

	NOTE_TEXT
145	MOWED LOCATION.
146	Well has tubing and rods out of well. Shuttin.
147	S 0 D 0 MCF 0
148	SHUTTIN
149	Well has tubing and rods out of well. Shuttin.Wellhead_Compressor
150	Wellhead_Compressor Well has tubing and rods out of well. Shuttin.
151	0 MCF
152	Well has tubing and rods out of well. Shuttin.
153	ALL THE EQUIPMENT HAS BEEN REMOVED FROM THE LOCATION AND WELL WILL BE PLUGGED.
154	PUMPJACK AND ALL EQUIPMENT HAS BEEN REMOVED FROM LOCATION.
155	Wellhead_CompressorALL EQUIPMENT HAS BEEN REMOVED FROM LOCATION.
156	CHECKED FOR H2S 0 PPM
157	Downtime Equipment has been pulled off..
158	

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**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE**

Operator Name: EQT PRODUCTION COMPANY OP ID: _____

Watershed: Atwell Branch Quadrangle: Davy

Elevation: 2134 County: McDowell District: Sandy River

Description of anticipated Pit Waste: Formation Fluids

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes ___ No X

Will synthetic liner be used in the pit? Yes Is so, what ml.? 30 ml

Proposed Disposal Method for Treated Pit Wastes: HK
 Land Application
 Underground Injection - UIC Permit Number _____
 Reuse (at API Number) _____
 Offsite Disposal Permit #. _____
 Other: Explain _____

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. _____

If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used? _____

Will closed loop system be used? _____

Drill Cuttings disposal method? Leave in pit, landfill, remove offsite, etc. _____

If left in pit and plan to solidify what medium will be used? Cement, Lime, sawdust _____

Landfill or offsite name/permit number? _____

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any terms or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto 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 or imprisonment.

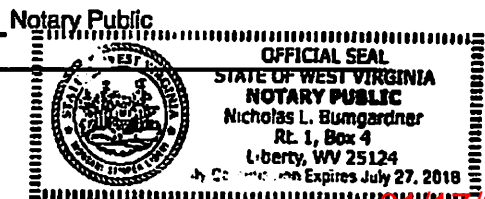
Company Official Signature *[Signature]*

Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV

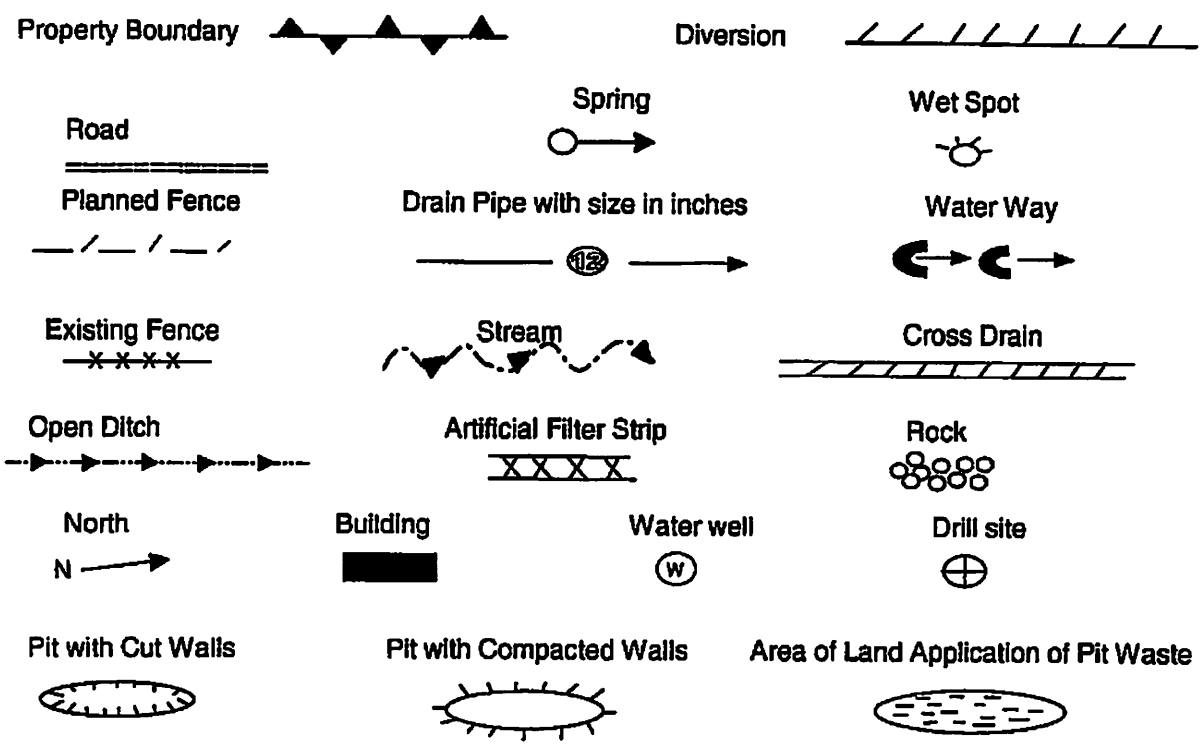
Subscribed and sworn before me this 16 day of DECEMBER, 2013

My Commission Expires 6/27/2018



OPERATOR'S WELL NO.:
793806 WVC 3937

LEGEND



Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH 5.8

Lime 3 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.

SEED MIXTURES

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

ATTACH:

Drawing(s) of road, location, pit and proposed area for land application.
Photocopies section of involved 7.5' topographic sheet.

Plan approved by: *Shirley Kennedy*

Comments: _____

Title: Inspector Date: 12/27/13
Field Reviewed? Yes No

4701359A



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY

LEASE NAME AND WELL No. WVC 3937 WV 793806 (47-047-01359)

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 793806.

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BIRCH RIVER OFFICE
P.O. Box 438 • 237 Birch River Road
Birch River, WV 26610
phone: 304-649-8606
fax: 304-649-8608

BRIDGEPORT OFFICE
172 Thompson Drive
Bridgeport, WV 26330
phone: 304-848-5035
fax: 304-848-5037

CALDWELL OFFICE
212 Cumberland Street
Caldwell, OH 43724
phone: 740-305-5007
fax: 740-305-5126

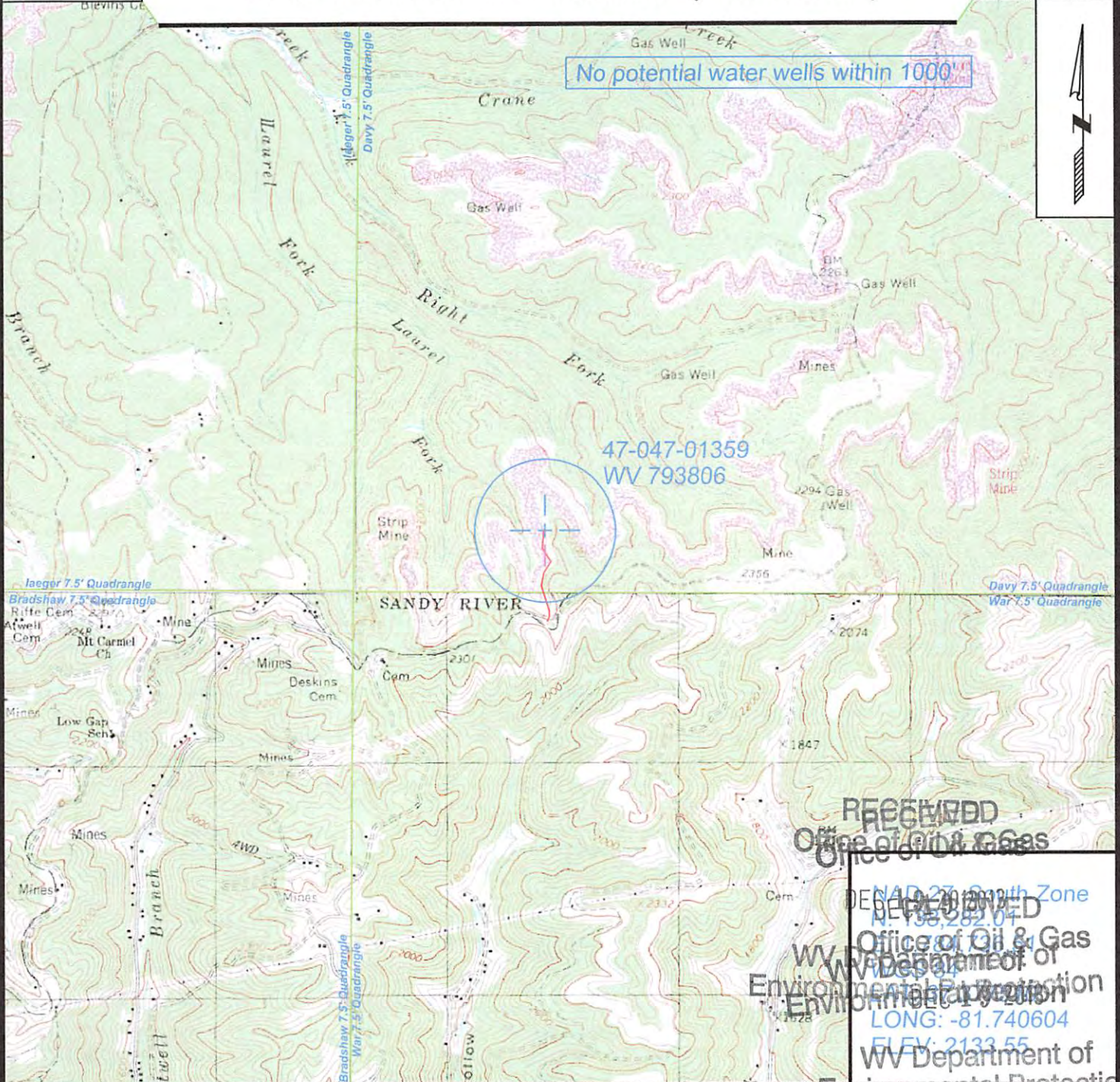
ALUM CREEK OFFICE
P.O. Box 108 • 1413 Childress Road
Alum Creek, WV 25003
phone: 304-756-2949
fax: 304-756-2948

4701359P

Topo Quad: Davy 7.5' Scale: 1" = 2000'
 County: McDowell Date: December 4, 2013
 District: Sandy River Project No: 20-37-00-08

Water

47-047-01359 WV 793806 (WVC 3937)



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 NAD 27 South Zone
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 LONG: -81.740604
 ELEV: 2133.55
 WV Department of
 Environmental Protection



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 1-800-482-8606
 P.O. BOX 438
 BIRCH RIVER, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:
EQT Production Company
 P.O. Box 280
 Bridgeport, WV 26330

01/17/2014

4701359P

Topo Quad: Davy 7.5'

Scale: 1" = 2000'

County: McDowell

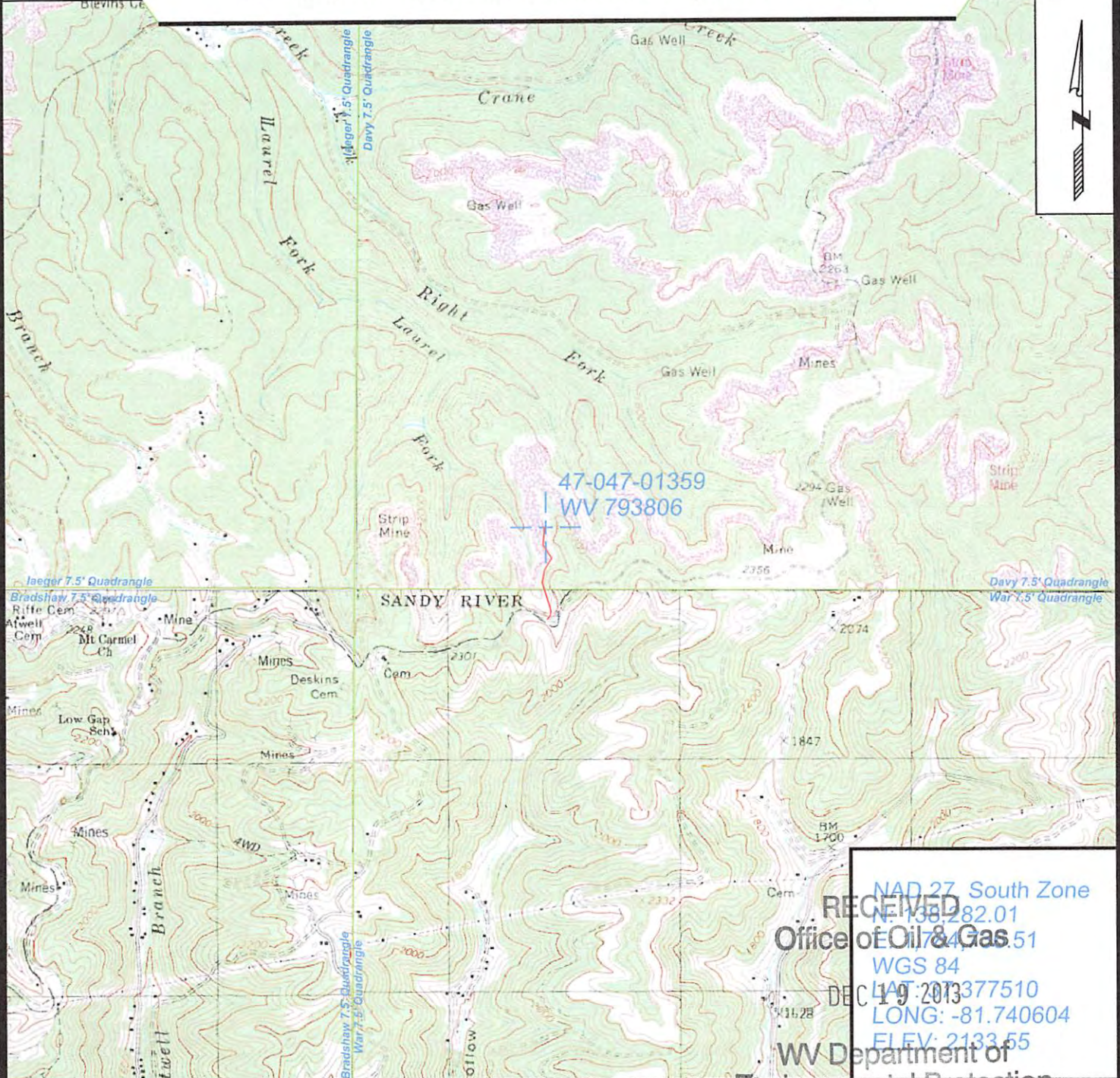
Date: December 4, 2013

District: Sandy River

Project No: 20-37-00-08

47-047-01359 WV 793806 (WVC 3937)

Topo



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NAD 27 South Zone
 N: 138282.01
 E: 174475.51
 WGS 84
 LAT: 37.7510
 LONG: -81.740604
 ELEV: 2133.55

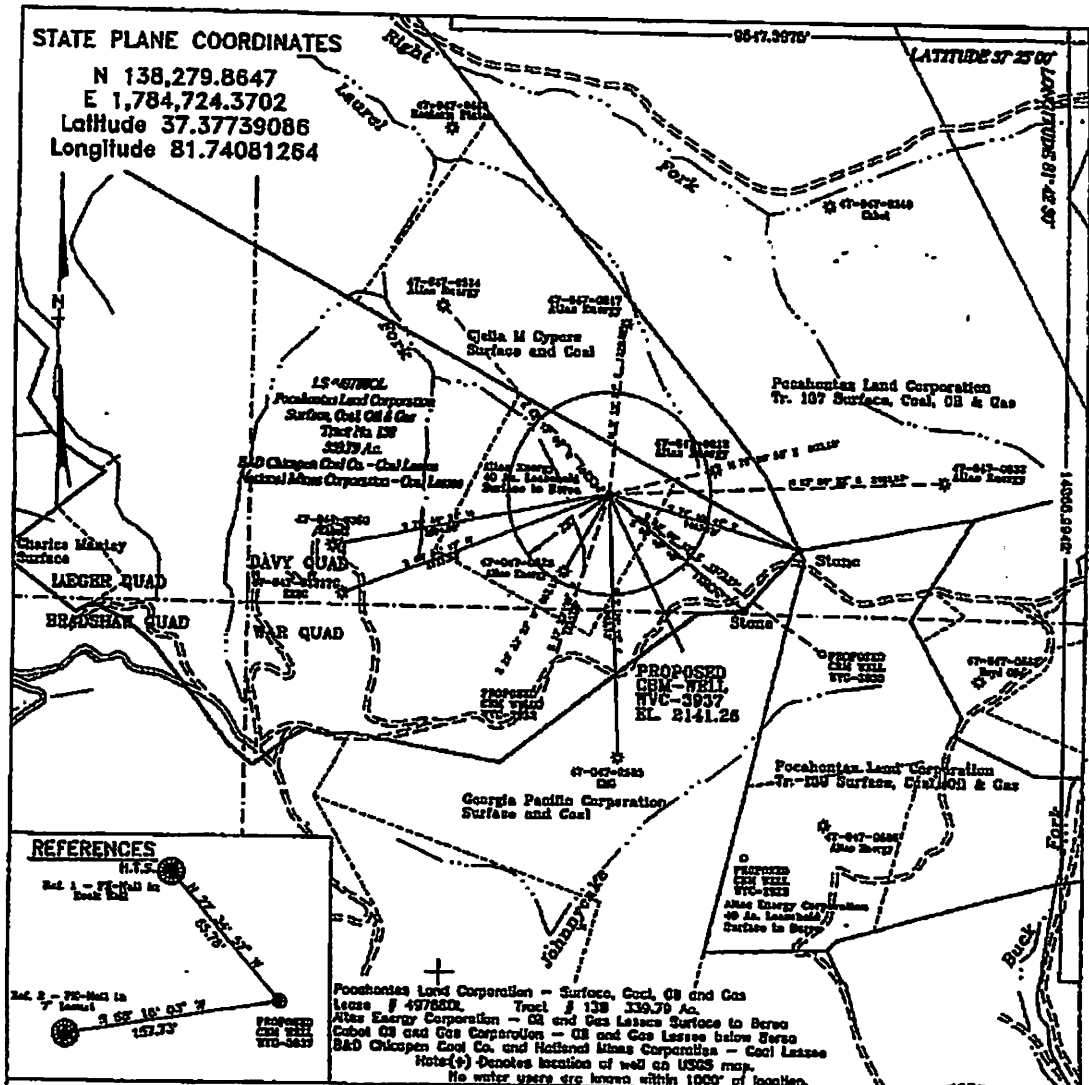


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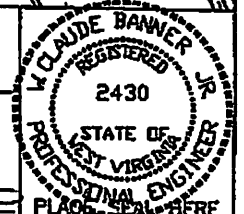
4701359A



FILE No. ERE-980707/SP
 DRAWING NAME EQUITABLE-3937
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 : 2500
 PROVEN SOURCE OF ELEVATION WVC-3937/USGS BM 151 BHP 1959 EL. 2145

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) W. Claude Banner Jr.
 R.P.E. _____ R.P.S. _____



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 NITRO, WV

DATE JULY 7, 19 98
 OPERATOR'S WELL No. WVC-3937
 API WELL No. 47 - 047 - 01259C

STATE COUNTY PERMIT

WELL TYPE: OIL GAS CBM LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW

LOCATION: ELEVATION 2141.28 WATER SHED LAUREL FORK OF CRANE CREEK OF DRY FORK
 DISTRICT SANDY RIVER COUNTY McDOWELL
 QUADRANGLE DAVY, WV

SURFACE OWNER Peabody Land Corporation ACREAGE 339.79
 CBM ROYALTY OWNER Peabody Land Corporation LEASE ACREAGE 15379.43
 LEASE No. 497880L

PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR
 STIMULATE X PLUG OFF OLD FORMATION PERFORATE NEW
 FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____

TARGET FORMATION PENNSYLVANIAN COALS ESTIMATED DEPTH 1965'
 WELL OPERATOR EQUITABLE RESOURCES ENERGY COMPANY DESIGNATED AGENT DAVID DEAN
 ADDRESS 1989 EAST STONE DRIVE ADDRESS P.O. DRAWER 40
KINGSPORT, TN 37660 BUCKHANNON, WV 26201

DK

4701359P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-047-01359 WELL NO.: WV 793806 (WVC 3937)

FARM NAME: Pocahontas Land Corporation

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: McDowell DISTRICT: Sandy River

QUADRANGLE: Davy 7.5'

SURFACE OWNER: Pocahontas Land Corporation

ROYALTY OWNER: James E. Cyphers, et al.

UTM GPS NORTHING: 4137009

UTM GPS EASTING: 434431 GPS ELEVATION: 650 m (2134 ft)

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS : Post Processed Differential
Real-Time Differential

Mapping Grade GPS X: Post Processed Differential X
Real-Time Differential

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Stacy O'Brien
Signature
12/6/13
Date

PS # 2180
Title

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01/17/2014