



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

August 04, 2014

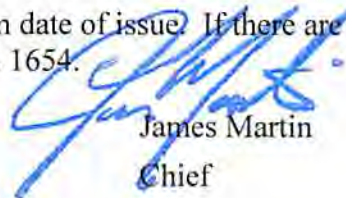
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-3502855, 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: PERKINS 511327
Farm Name: MILLER, BRIAN & KIMBERLY
API Well Number: 47-3502855
Permit Type: Plugging
Date Issued: 08/04/2014

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.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

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

Date: 5-23-14
Operator's Well
Well No. 511327 EW Perkins 002428
API Well No.: 47 035 - 02855

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

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: 803 Watershed: Middle Fork of Pocatalco River
Location: Washington County: Jackson Quadrangle: Romance
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 Jamie Stevens 904 206-7775
Name: 105 Kentuck Road
Address: Kenna, WV 25248
- 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.

*Hubbell Record attached
see attached*

*OK lateral never drilled
only top hole completed*

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 *James Stevens* Date 5/30/2014

47-035-02855P

PLUGGING PROGNOSIS - Weston

511327
Jackson County, West Virginia
API # 47-035-02855

BY: Beau Fry
DATE: 4/17/14

CURRENT STATUS:
13" csg @ 43'
9 5/8" csg @ 670' CTS
7" csg @ 1964' CTS
TD @ 1710'

Correct
Pittsburgh sand

Fresh Water @ 30' - 640'
1st Salt Sand @ 1350'
Coal @ None reported
Gas Shows None Reported
Oil Shows @ None reported
Stimulation Not Fraced

1. Notify State Inspector, Jamie Stevens 304-206-7775, 24 hrs. Prior to commencing operations.
2. TIH w/ tbg @ 1700'; Set 200' CIA Cement Plug @ 1700' to 1500' (7" csg pt - Big Lime)
3. TOOH w/ tbg @ 1500'; gel hole @ 1500' to 1350'.
4. TOOH w/ tbg @ 1350'; Set 100' CIA Cement Plug @ 1350' to 1250' (Salt Sand top)
5. TOOH w/ tbg @ 1250'; gel hole @ 1250' to 720'.
6. TOOH w/ tbg @ 720'; Set 150' CIA Cement Plug @ 720' to 570' (9 5/8" csg pt, FW show)
7. TOOH w/ tbg @ 570'; gel hole @ 570' to 200'.
8. TOOH w/ tbg @ 200'; Set 200' CIA Cement Plug @ 200' to 0' (Surface plug, FW show, 13" csg pt.)
9. Top off as needed
10. Set Monument to WV-DEP Specifications
11. Reclaim Location & Road to WV-DEP Specifications

Never drilled the lateral.
No completion Report only pipe tally.

Jamie Stevens
5/30/2014

PLUGGING PROGNOSIS - Weston

511327

Jackson County, West Virginia
API # 47-035-02855

BY: Beau Fry
DATE: 4/17/14

CURRENT STATUS:

ELEV 803'

- 13" csg @ 43'
- 9 5/8" csg @ 670' CTS *OK*
- 7" csg @ 1964' CTS *OK*
- TD @ 1710'

- Fresh Water @ 30' - 640'
- 1st Salt Sand @ 1350'
- Coal @ None reported
- Gas Shows None Reported
- Oil Shows @ None reported
- Stimulation Not Fraced

1. Notify State Inspector, Jamie Stevens 304-206-7775, 24 hrs. Prior to commencing operations.
2. TIH w/ tbg @ 1700'; Set 200' C1A Cement Plug @ 1700' to 1500' (7" csg pt - Big Lime) ✓
3. TOO H w/ tbg @ 1500'; gel hole @ 1500' to 1350'.
4. TOO H w/ tbg @ 1350'; Set 100' C1A Cement Plug @ 1350' to 1250' (Salt Sand top) ✓
5. TOO H w/ tbg @ 1250'; gel hole @ 1250' to 720'.
6. TOO H w/ tbg @ 720'; Set 150' C1A Cement Plug @ 720' to 570' (9 5/8" csg pt, FW show) ✓
7. TOO H w/ tbg @ 570'; gel hole @ 570' to 200'.
8. TOO H w/ tbg @ 200'; Set 200' C1A Cement Plug @ 200' to 0' (Surface plug, FW show, 13" csg pt.)
9. Top off as needed
10. Set Monument to WV-DEP Specifications
11. Reclaim Location & Road to WV-DEP Specifications

OK Done

Received

MAY 28 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

3502855A

Received

MAY 28 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

WELL #: 511327

PERMIT #: 47-035-02855

Cross Rock 7

WELL RECORD

EQUITABLE
PRODUCTION
COMPANY

08/08/2014



WELL #: 511327
PERMIT #: 47-035-02855

08/08/2014

WELL RECORD

EQUITABLE PRODUCTION COMPANY

Received
MAY 28 2014
Office of Oil and Gas
WV Dept. of Environmental Protection

FIELD	
FARM	
ACRES	<u>307</u>
CARTER COORD:	
LONGITUDE:	° ' "
LATITUDE:	° ' "
ON WATERS OF	<u>Middle Fork of Pocahontas</u>
DISTRICT	<u>Washington</u> QUAD <u>Romance</u>
COUNTY	<u>Jackson</u>
STATE	<u>WV</u>
DATE SPUNDED	
DATE COMPLETE	
ELEVATION	<u>803'</u>

3502855P

TALLY OF PIPE USED IN NEW WELL OR PIPE PULLED FROM ABANDONED WELL

Size 7" 8 3/4 hole Weight _____

Thread _____ Grade _____

FEET	IN.	FEET	IN.	FEET	IN.	FEET	IN.
1	42	41	20				
2	42	60	43	12			
3	39	70	37	12			
4	42	50	42	40			
5	43		42	50			
6	42	60	41	80			
7	42		42	40			
8	42		42	70			
9	42	80	41	10			
10	42	50	42	40			
11	42	50	42	30			
12	41	60	42	50			
13	42	50	41	50			
14	43	65	41	30			
15	43		42	60			
16	47	20	42	70			
17	42	50	42	60			
18	42	80	41	10			
19	43	10	42	70			
20	39	80	42	90			
21	41	10	43	50			
22	42	50	43	60			
23	42	20	42	50			
24	43	30	42	80			
25	35	50					

Length Run 1956 Feet

Total Joints Run 46 Pcs _____ SN

Total Depth Hole 1986

Unused 3 Jts 128.90 Feet

Unused Joints and Pieces:

3 JTS. 128.90'

Tallied By: Thomas Archer Date 10/22/08

TALLY OF PIPE USED IN NEW WELL OR PIPE PULLED FROM ABANDONED WELL

Size _____ Weight _____

Thread _____ Grade _____

FEET	IN.	FEET	IN.	FEET	IN.	FEET	IN.
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

Received

MAY 28 2004

Office of Oil and Gas
WV Dept of Environmental Protection

Length Run _____ Feet

Total Joints Run _____ Pcs _____ SN

Total Depth Hole _____

Unused _____ Jts _____ Feet

Unused Joints and Pieces:

Tallied By _____

35028552

SURFACE CEMENTING RECORD

Surface Casing

Date 10/20/08 Service Co. BJ Services Time of Job 9:00 A.M.
 Hole Size 12 3/8" Hole Depth 700' Casing Depth 670'
 Casing: Size 9 5/8" Weight 32.3# Grade H-40 Thread 8-RD No. Jts. 15
 Shoe: Type Guide Depth 670 Float: Type _____ Depth _____
 No. Centralizers 5 Other Equipment 2 cement baskets

CEMENT DATA

(13) Sacks 230 SKS. 3
 Brand: _____
 Type A
 % Gel. _____
 Other Admixes _____
 Slurry Wt. 15.6 ppg. 1.18 yield
 Remarks Circulated 6 BBLs. to surface

JOB DATA

Type: Circulate To surface Balance _____
 Material Ran Ahead of Cement Water & gel
 Cu. Ft. Cement Displaced _____
 Pressure: Max. _____ Min. _____ Csg. Head _____
 Cement Left in Pipe _____
 How Measured: Displacement _____ Wireline _____
 Fillup: Estimated _____ Actual _____
 Type Cement Log _____

Received

MAY 28 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

INTERMEDIATE CEMENTING RECORD

Date 10/22/08 Service Co. BJ Services Time of Job 11:00 A.M.
 Hole Size 8 7/8" Hole Depth 1986' Casing Depth 1964'
 Casing: Size 7" Weight 20# Grade J-55 Thread 8-RD No. Jts. 46
 Shoe: Type Float Depth 1964' Float: Type _____ Depth _____
 No. Centralizers 5 Other Equipment Cement baskets

CEMENT DATA

(13) Sacks 119 SKS. 15/85 ppg., 100 SKS TYPE A
 Brand: _____
 Type _____
 % Gel. _____
 Other Admixes _____
 Slurry Wt. 15/85 ppg. = 12.3 ppg. 2.21 yield
Type A: 15.6 ppg. 1.2 yield
 Remarks Circulated 10 BBLs cement to surface

JOB DATA

Type: Circulate _____ Balance _____
 Material Ran Ahead of Cement Water & gel
 Cu. Ft. Cement Displaced _____
 Pressure: Max. _____ Min. _____ Csg. Head _____
 Cement Left in Pipe _____
 How Measured: Displacement _____ Wireline _____
 Fillup: Estimated _____ Actual _____
 Type Cement Log _____

TALLY OF PIPE USED IN NEW WELL
OR
PIPE PULLED FROM ABANDONED WELL

Size 13 3/4" Weight 44#
Thread 8-RD Grade H-40

	FEET	IN.	FEET	IN.	FEET	IN.	FEET	IN.
1	43							
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								

Length Run 43 Feet
Total Joints Run _____ Pcs _____ SN
Total Depth Hole 42
Unused _____ Jts _____ Feet

Unused Joints and Pieces:

Tallied By: Tom Archer Date 10/19/08

(24)

TALLY OF PIPE USED IN NEW WELL
OR
PIPE PULLED FROM ABANDONED WELL

Size 9 5/8" Weight 32#
Thread 8-RD Grade H-40

	FEET	IN.	FEET	IN.	FEET	IN.	FEET	IN.
1	44							
2	44	10						
3	44	10						
4	44							
5	44	10						
6	44	10						
7	44	10						
8	44	20						
9	44	20						
10	44	20						
11	44	20						
12	44	20						
13	44	20						
14	44	20						
15	44	20						
16	44	20						
17								
18								
19								
20								
21								
22								
23								
24								
25								

Length Run 706.50 Feet
Total Joints Run 15 Pcs _____ SN
Total Depth Hole 700'
Unused 1 Jts 44.2 Feet

Unused Joints and Pieces:

157.44.2'
Tallied By: Tom Archer Date 10/20/08

(25)

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MAY 28 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

**TALLY OF PIPE USED IN NEW WELL
OR
PIPE PULLED FROM ABANDONED WELL**

Size 7" 8 7/8 hole Weight _____
 _____ Grade _____

FEET	IN.	FEET	IN.	FEET	IN.	FEET	IN.
1	42	41	20				
2	42	60	43	12			
3	39	70	37	12			
4	42	50	42	40			
5	43		42	50			
6	42	60	41	80			
7	42		42	40			
8	42		42	70			
9	43	80	41	10			
10	42	50	42	40			
11	42	50	42	30			
12	41	60	42	50			
13	42	50	41	50			
14	43	65	41	30			
15	43		42	60			
16	47	30	42	70			
17	42	50	42	60			
18	42	80	41	10			
19	43	10	42	10			
20	39	80	42	90			
21	41	10	43	50			
22	42	50	43	60			
23	42	30	42	50			
24	43	30	42	80			
25	35	50					

Length Run 1956 Feet
 Total Joints Run 46 Pcs _____ SN
 Total Depth Hole 1986
 Unused 3 Jts 128.90 Feet

Unused Joints and Pieces:

3 JTS. 128.90'

Tallied By: Thomas Archer Date 10/22/08

(28)

**TALLY OF PIPE USED IN NEW WELL
OR
PIPE PULLED FROM ABANDONED WELL**

Size _____ Weight _____
 _____ Grade _____

FEET	IN.	FEET	IN.	FEET	IN.	FEET	IN.
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

Length Run _____ Feet
 Total Joints Run _____ Pcs _____ SN
 Total Depth Hole _____
 Unused _____ Jts _____ Feet

Unused Joints and Pieces:

Tallied By: _____ Date _____

(29)

Received

MAY 28 2014

Office of Oil and Gas
 WV Dept. of Environmental Protection

08/08/2014

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

API# 4703502855

3502855P
 Bob Feb 24/10

Farm Name **MILLER, BRIAN, & KIMBERLY** Well Number **511327**
 Location Elevation **803** ✓ Quadrangle **ROMANCE**
 District **Washington** County **Jackson, WV**
 Latitude **13280** FSL Degree **38.00** Minutes **37.00** Second **30.00**
 Longitude **10750** FWL Degree **81.00** Minutes **32.00** Second **30.00**

Company **EQT Production Company**
1710 Pennsylvania Avenue Charleston,
WV 25328
 Agent **Cecil Ray**
 Inspector **Jamie Stevens**
 Permit issued **01/04/2008** ✓

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cubic Ft
13 3/8	43	49	
9 5/8	670	670	278.30
7	1,964	1,964	386.20

Well Work Commenced **10/18/2008**
 Well Work Completed **10/24/08**
 Verbal Plugging _____
 Permission granted on _____
 Rotary Rig Cable Rig _____
 Total Depth **1,968** ✓

Water Encountered

Type	From
Salt Water	Wet @ 1350' ✓
Salt Water	4" @ 1985' ✓

Coal in Open Mines

Type	From
none reported ✓	

RECEIVED
 Office of Oil & Gas
 FEB 9 2010
 WV Department of
 Environmental Protection

RECEIVED
 Office of Oil & Gas
 JUL 16 2010

**WV Department of
 Environmental Protection**

Open Flow Data
Producing Formation

Gas: Initial Open Flow 0 MCF 10/28/09 Date Oil: Initial Open Flow _____ Bbl/d
 Final Open Flow 0 MCF _____ Date Final Open Flow _____
 Time of open flow between initial and final tests 0 hours
 Static Rock Pressure 0 after 0 hours

Second Producing Formation

Gas: Initial Open Flow _____ MCF _____ Date Oil: Initial Open Flow _____ Bbl/d
 Final Open Flow _____ MCF _____ Date Final Open Flow _____
 Time of open flow between initial and final tests _____ hours
 Static Rock 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, a systematic detailed geological record of all formations including coal encountered in the well bore

08/08/2014

For Equitable Production Company
 By [Signature]
 Date 2-3-2010

3502855A

Well Number 511327

EQT Company
WR-35 Completion Report - Attachment
Well Treatment Summary

API #

Stage	
Date	
FracType	
Zone	
# of Perfs	
From/To	
BD Press	
ATP Psi	
Avg Rate	
Max Press Psi	
ISIP Psi	
10min SIP	5 min.
Frac Gradient	

Sand Proppant

Water-bbl

SCF N2

Acid-gal gal

Formation Name	Depth To	Depth Botto	Formation Thick
Sand and Shale	0.00	1,332	1,331.90
SALT SAND	1,331.90	1,674	341.99
LITTLE LIMESTONE	1,673.89	1,719	45.11
BIG LIME	1,719.99	1,744	23.86
P1	1,743.85	1,774	29.95
P2	1,773.80	1,798	24.12
P3	1,797.92	1,817	19.14
P4	1,817.06	1,836	19.13
P5	1,836.19	1,845	9.00
P6	1,845.34	1,854	8.32
BIG INJUN SAND	1,853.66	1,986	132.34

Gas Tests

Depth	Remarks
-------	---------

not Reported

08/08/2014

3502855P

WW-4-A
Revised 6/07

1) Date: 5-23-14
2) Operator's Well Number
511327 EW Perkins 002428
3) API Well No.: 47 035 - 02855
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

4) Surface Owner(s) to be served:
(a) Name Brian & Kimberly Miller
Address 5110 Middle Fork Rd
Advent, WV 25321
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Jamie Stevens
Address 105 Kentuck Road
Kenna, WV 25248
Telephone 304.206.7775

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name EW Perkins Heirs
P.O. Box 273
Address Charleston, WV 25321
Name _____
Address _____
(c) Coal Lessee with Declaration
Name None
Address _____

Received

MAY 28 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

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.



OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Pamela Sykes
EQT Production
PO Box 280
Bridgeport, WV 26330
My Commission Expires Aug. 24, 2022

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

Subscribed and sworn before me this 27 day of May, 2014
Pamela Sykes Notary Public
My Commission Expires: 8-24-22

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.

08/08/2014

3502855P



C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

Jamie Stevens
105 Kentuck Road
Kenna, WV 25248
Plugging 511327

Received

MAY 28 2014

Office of Oil and Gas
WV Dept. of Environmental Protection



neopost
05/23/2014
\$01.19
ZIP 26330
04111022992

08/08/2014

35028599

EQT
C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature X</p> <p><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p style="text-align: center;">Brian & Kimiberly Miller 5110 Middle Fork Rd. Advent, WV 25321 Plugging 511327</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p>
<p>2. Article Number <i>(Transfer from service label)</i></p> <p>7014 0510 0000 4439 4367</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
PS Form 3811, July 2013	Domestic Return Receipt

PS Form 3800, August 2006
See Reverse for Instructions

City, State, or ZIP+4®
Plugging 511327

Street Address
5110 Middle Fork Rd.
Advent, WV 25321

Sender's Name
Brian & Kimiberly Miller

Total	
Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	

Postmark Here

For delivery information visit our website at www.usps.com

CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)



Brian & Kimiberly Miller
5110 Middle Fork Rd.
Advent, WV 25321
Plugging 511327

Received

MAY 28 2014

Office of Oil and Gas
WV Dept. of Environmental Protection



08/08/2014

3502855P

EQT
C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p style="text-align: center;">E.W. Perkins Heirs P.O. Box 273 Charleston, WV 25321 Plugging 511327</p>	<p>3. Service Type <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p> <p style="text-align: center;">7014 0510 0000 4439 4350</p>	
PS Form 3811, July 2013	Domestic Return Receipt

CERTIFIED MAIL™

7014 0510 0000 4439 4350
7014 0510 0000 4439 4350

PS Form 3800, August 2006 See Reverse for instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Fee	

E.W. Perkins Heirs
P.O. Box 273
Charleston, WV 25321
Plugging 511327

City, State, or PO Box

E.W. Perkins Heirs
P.O. Box 273
Charleston, WV 25321
Plugging 511327

Received

MAY 28 2014

Office of Oil and Gas
WV Dept. of Environmental Protection



08/08/2014
1022085
7.61
P. 26330

**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: Middle Fork of Pocatalico River Quadrangle: Romance

Elevation: 803 County: Jackson District: Washington

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.? 10 ml 20 MIL.

Proposed Disposal Method for Treated Pit Wastes:

- 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.

Received

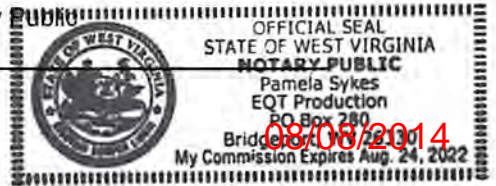
Company Official Signature *Victoria Roark* MAY 28 2014

Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV Office of Oil and Gas
WV Dept. of Environmental Protection

Subscribed and sworn before me this 27 day of May, 2014

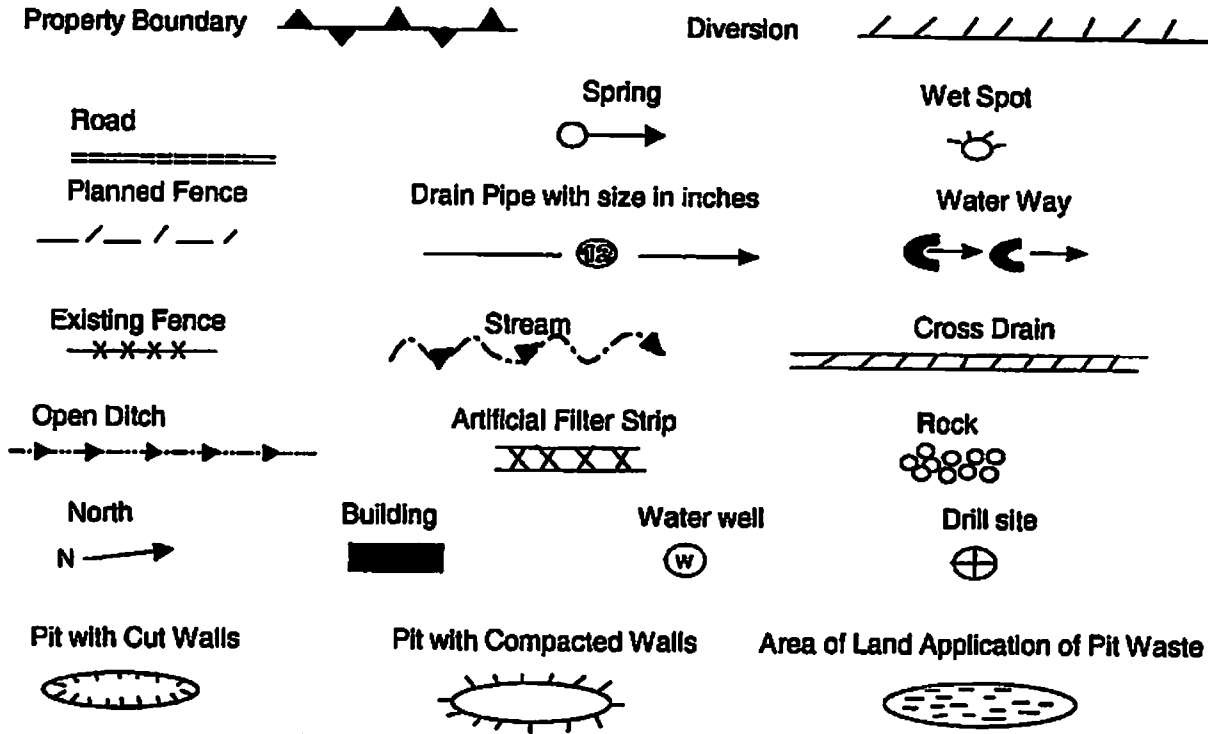
Pamela Sykes Notary Public My Commission Expires 8-24-22



APAL 47-035-02855 P

OPERATOR'S WELL NO.:
511327 EW Perdms 002428

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:

47-035-02855 P

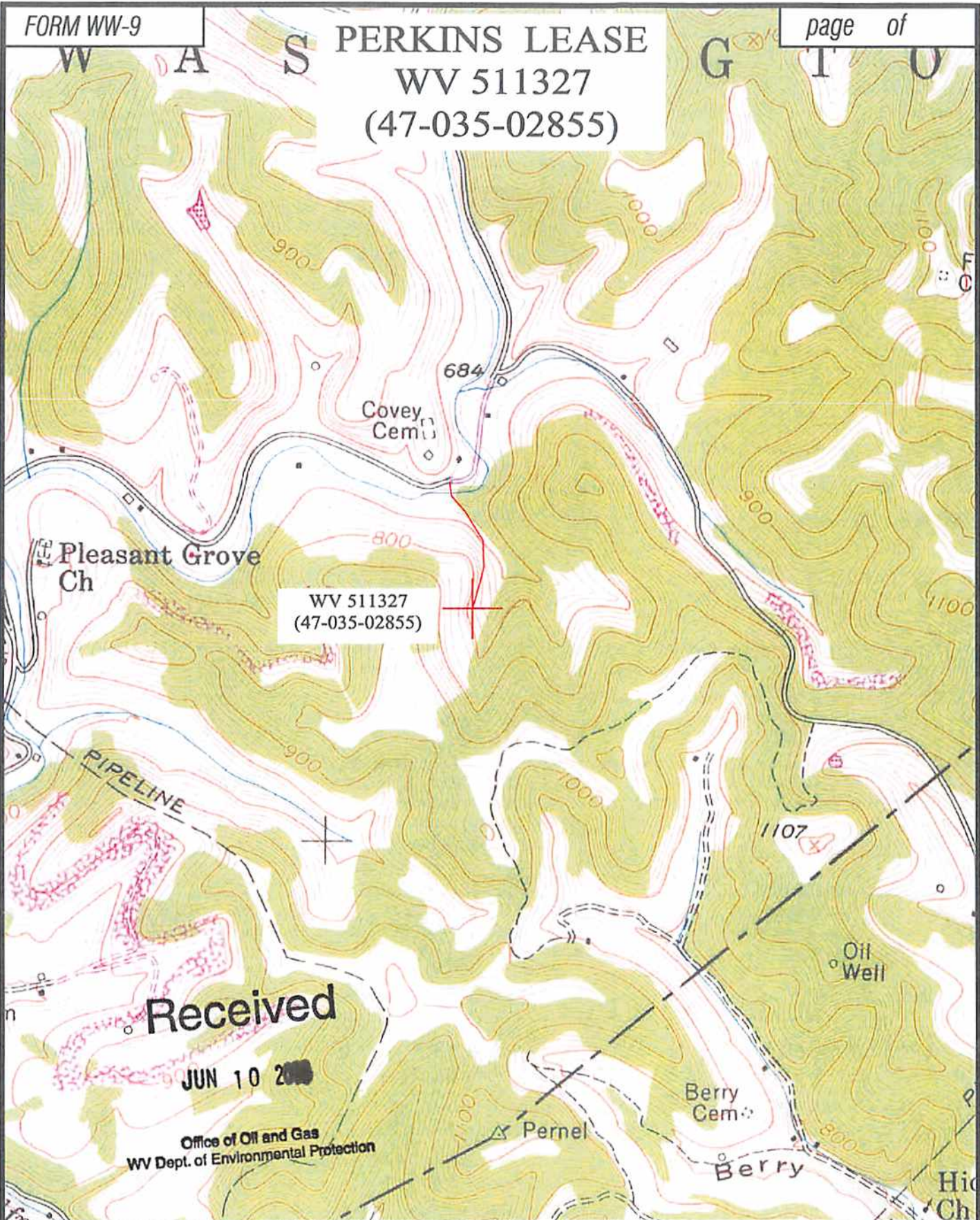
Comments: _____

Title: _____ Date: 5/30/2014
Field Reviewed? Yes No

FORM WW-9

PERKINS LEASE WV 511327 (47-035-02855)

page of



Received
JUN 10 2014
 Office of Oil and Gas
 WV Dept. of Environmental Protection



TOPO SECTION OF: ROMANCE 7.5'

FILE NO. 8247

DATE: 06/09/14

SCALE: 1"=1,000'

08/08/2014

WW-7
8-30-06



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

API: 47-035-02855 WELL NO.: WV 511327

FARM NAME: Perkins Lease

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Jackson DISTRICT: Washington

QUADRANGLE: Romance 7.5'

SURFACE OWNER: Brian E. & Kimberly R. Miller

ROYALTY OWNER: Perkins Heirs

UTM GPS NORTHING: 4271275

UTM GPS EASTING: 449565 GPS ELEVATION: 240 m (787 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 : Post Processed Differential

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.

C. Victor Meyers
Signature

Senior Surveyor, PS 849
Title

6/9/14
Date

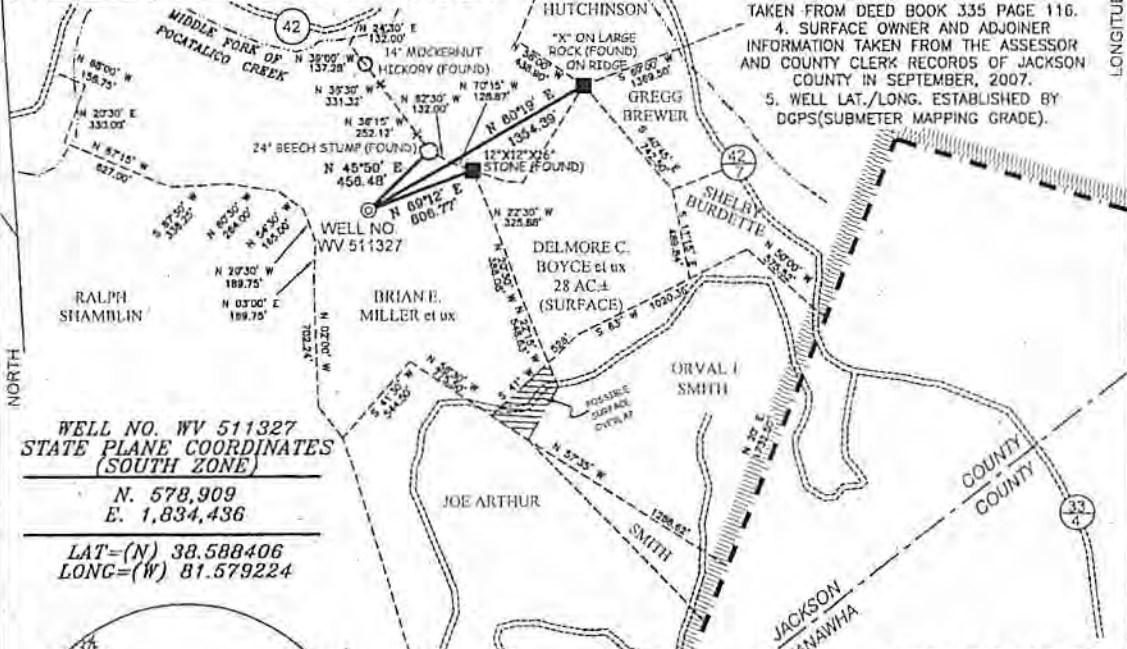
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JUN 10 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

PERKINS LEASE 30,000 ACRES ± WELL NO. WV 511327

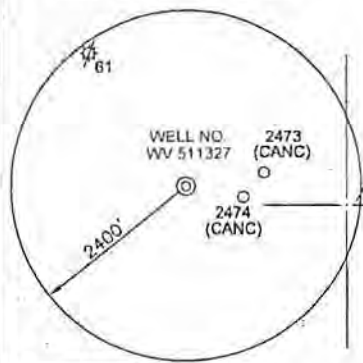
1. TIES TO CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 09/25/07.
3. TRACT BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 335 PAGE 116.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF JACKSON COUNTY IN SEPTEMBER, 2007.
5. WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).



**WELL NO. WV 511327
STATE PLANE COORDINATES
(SOUTH ZONE)**

N. 578,909
E. 1,834,436

LAT=(N) 38.588406
LONG=(W) 81.579224



REFERENCES



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 *Gregory A. Smith*



(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE OCTOBER 15, 20 07
OPERATORS WELL NO. WV 511327
API WELL NO. 47-035-02855P
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 5478P511327 (247-21)
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 800'

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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 803' WATERSHED MIDDLE FORK OF POCATALICO CREEK
DISTRICT WASHINGTON COUNTY JACKSON QUADRANGLE ROMANCE 7.5

SURFACE OWNER BRIAN E. & KIMBERLY R. MILLER ACREAGE 60±
ROYALTY OWNER PERKINS HEIRS LEASE ACREAGE 30,000±
PROPOSED WORK: LEASE NO. 002428

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD
FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION DEVONIAN SHALE
ESTIMATED DEPTH 5,500'

WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT L. TODD TETRICK
ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302 CHARLESTON, WV 25302

COUNTY NAME PERMIT NO.

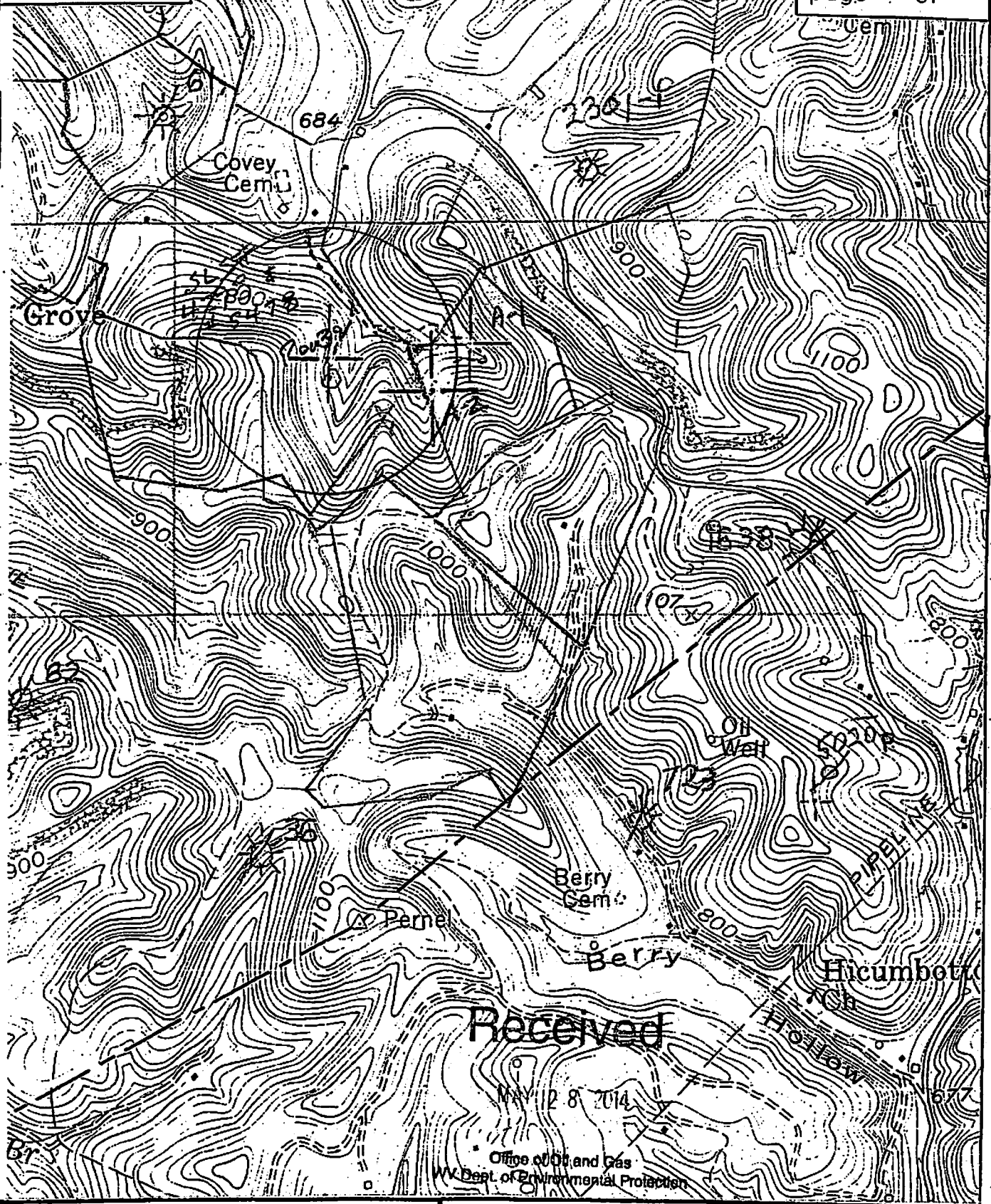
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MAY 21 2014

Office of Environmental Protection
WV Dept. of Environmental Protection

WATER SAMPLES

page of



Received

MAY 28 2014

Office of Oil and Gas
WV Dept. of Environmental Protection



SMITH LAND SURVEYING
P.O. BOX 150 GLENVILLE, WV. 26351

TOPO SECTION OF Romance 7.5'

FILE NO. 5478 DATE 10-15-07 SCALE 1" = 1000'