



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 08, 2014

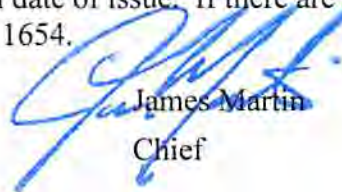
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-700866, issued to ROSS & WHARTON GAS CO INC, 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: 1
Farm Name: RATLIFF, HERBERT LEE & BETH
API Well Number: 47-700866
Permit Type: Plugging
Date Issued: 08/08/2014

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.

1) Date April 1, 2014
2) Operator's Well No. Singleton, R. #1
3) API Well No. 47-007 - 00865

STATE OF WEST VIRGINIA
DEPARTMENT 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) Location: Elevation 876 Watershed Right Fork
District Otter County Braxton Quadrangle Sutton

6) Well Operator Ross & Wharton 7) Designated Agent Mike Ross
Address Route 5 Box 29 Address PO Box 219
Buckhannon, WV 26201 Coalton, WV 26257

8) Oil and Gas Inspector to be notified
Bryan Harris
PO Box 157
Volga, WV 26238
9) Plugging Contractor
Name Unknown
Address _____

10) Work Order: The work order for the manner of plugging this well is as follows:

2415 - TD 2455

- Run 6% Gel between each plug
- 2415 - 2265 Set Cement Plug
- 1400 - 1300 Set Cement Plug
- 925 - 825 Set Cement Plug
- 220'
~~400~~ - 0 Set Cement Plug

FREEPOINT 4 1/2" CASING
AND REMOVE ALL FREE CASING.
SET PLUG ACROSS CASING CUT.
MUST BE A MINIMUM OF 100'

Set Monument with API Number

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

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Office of Oil and Gas

Work order approved by inspector Bryan O'Hara

MAY 12 2014
Date 5-7-14
WV Department of
Environmental Protection
08/08/2014

700866P



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AUG 10 1979

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD 4

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle Sutton
Permit No. Brax-866

Company PETRO-LEWIS CORPORATION
Address P.O. Box 2250; Denver, Colo. 80201
Farm Florence & Raymond Singleton, Res. 200
Location (waters) Right Fork
Well No. #1 Elev. 876
District Otter County Braxton
The surface of tract is owned in fee by Florence Singleton
Address Gem, West Virginia
Mineral rights are owned by Florence Singleton
Address Gem, West Virginia
Drilling Commenced 11-29-68
Drilling Completed 12-14-68
Initial open flow 0 cu. ft. _____ bbls.
Final production 30 MCF cu. ft. per day 0 bbls.
Well open 24 hrs. before test 600 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	169'	169'	210 sxs.
7			
5 1/2			
4 1/2	2,415'	2,415'	200 sxs.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record

2100 BW; 60,000# 20/40 sd.; 30,000# 10/20 sd.; 250 gal. J-166; 40 gal. F-52;
T.P. 1,800#; ISIP 1200# & 15 Min. 900#.

Coal was encountered at _____ Feet _____ Inches
Fresh water 20-80-105 Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2296 - 2394

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil			0	10		
Clay			10	20		
White Sand			20	36	H ₂ O	
Sand w/Shale Streaks			36	115	H ₂ O	
Sand & Shale			115	250		
Sandy Shale			250	790		
Sand			790	1,015		
Sand & Shale			1,015	1,290		
Sand			1,290	1,320		
Sand & Shale			1,320	1,460		
Sand w/Shale Streaks			1,460	1,550		
Sandy Lime			1,550	1,608		
Sand			1,608	1,617		
Shale			1,617	1,645		
1st Salt Sand			1,645	1,680		
Red Rock			1,680	1,732		
2nd Salt Sand			1,732	1,811		
Shale			1,811	1,874		
3rd Salt Sand			1,874	1,985		
Shale			1,985	2,024		
Sandy Shale			2,024	2,072		
Blue Monday			2,072	2,102		
Pencil Cave			2,102	2,130		

(over)

* Indicates Electric Log tops in the remarks section.

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WV Department of
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08/08/2014

Formation	Color	Hard or Soft	Top Feet +	Bottom Feet	Oil, Gas or Water	* Remarks
Little Lime			2,130	2,250		
Big Lime			2,250	2,296		
Big Injun			2,296	2,394		
Shaley Sand			2,394	2,402		
Shale			2,402	2,455		

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Office of Oil and Gas

Date August 9 MAY 12 2014

APPROVED PETE LEYD Owner

By [Signature] Department of
(Title) Environmental Protection

08/09/2014

700866 P

WW-4A
Revised 6-07

1) Date: April 1, 2014
2) Operator's Well Number
Singleton, R. #1
3) API Well No.: 47 - 007 - 00866

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Herbert Lee &/or Bethany R. Ratliff</u>	Name <u>N/A</u>
Address <u>685 Cutlip Fork Road</u> ✓	Address _____
<u>Gassaway, WV 26624</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Bryan Harris</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 157</u>	Name <u>N/A</u>
<u>Volga, WV 26238</u>	Address _____
Telephone <u>304-553-6087</u>	

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 Department 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 Ross & Wharton (Mike Ross Inc.)
 By Mike Ross
 Its President
 Address PO Box 219
Coalton, WV 26257
 Telephone 304-472-4289

Subscribed and sworn before me this 22nd day of April, 2014
Brenda K. Bush
 My Commission Expires September 27, 2020

Notary Public
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 Office of Oil and Gas

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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.

MAY 12 2014

08/08/2014

700866P

Mike Ross Inc.

(304) 472-4289 (Office) Box 219 Coalton, WV 26257 (304) 472-7405 (Fax)

May 7, 2014

Herbert &/or Bethany Ratliff
685 Cutlip Fork Road
Gassaway, WV 26624

Re: Singleton #1 Plugging Permit

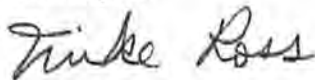
Dear Herbert &/or Bethany:

Mike Ross Inc. is in the process of applying for a permit to plug the above referenced well. Enclosed are copies of the Notice and Application for well plugging permits and the location plats.

Please note the instructions on the surface owner waiver. If you have no objection to the plugging being done, please sign the waiver and return it to our office.

If you have any questions, please do not hesitate to contact this office.

Thank you,



Mike Ross Inc.

0240 5486 7000 0607 7013 1090 0001 9845 0420

U.S. Postal Service™		
CERTIFIED MAIL™ RECEIPT		
<i>(Domestic Mail Only; No Insurance Coverage Provided)</i>		
For delivery information visit our website at www.usps.com		
OFFICIAL USE		
Postage	\$ 0.90	5/9/14 Postmark Here RECEIVED Office of Oil and Gas MAY 12 2014 WV Department of Environmental Protection
Certified Fee	3.30	
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 6.90	
Sent To		
Street, Apt. No., or PO Box No.		Herbert & Bethany Ratliff
City, State, ZIP+4		685 Cutlip Fork Rd. WV 26624

PS Form 3800, August 2006 See Reverse for Instructions

08/08/2014

STATE OF WEST VIRGINIA
DEPARTMENT 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 Name Ross & Wharton (Mike Ross Inc.) OP Code 305680

Watershed Right Fork Quadrangle Sutton

Elevation 876 County Braxton District Otter

Description of anticipated Pit Waste: Plugging Fluid

Will a synthetic liner be used in the pit? ~~NO~~ YES 20 MIL.

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain _____)
- Swabbing
- Plugging

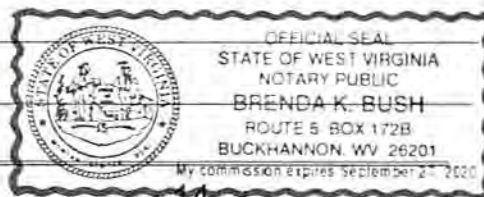
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term 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 *Mike Ross*

Company Official (Typed Name) Mike Ross

Company Official Title President



Subscribed and sworn before me this 22nd day of April, 2014

Brenda K. Bush

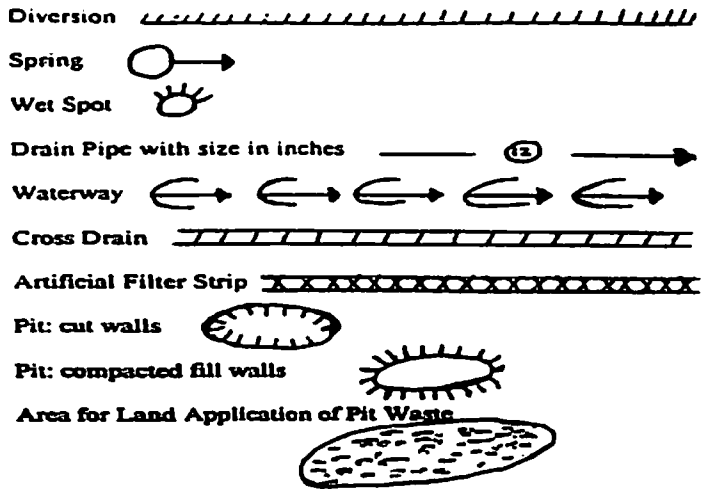
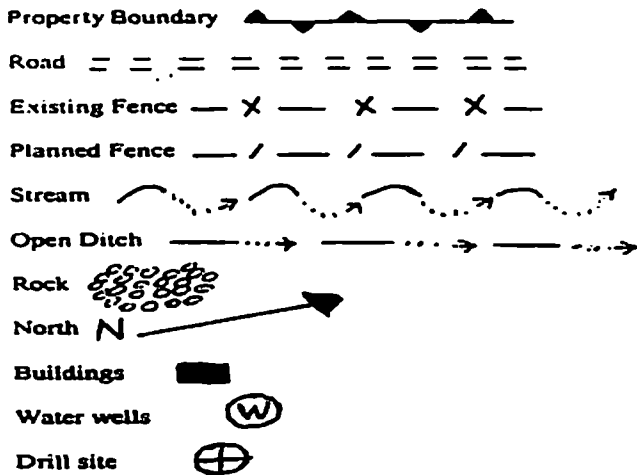
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Office of Oil and Gas
Notary Public

MAY 12 2014

My commission expires September 27, 2020

WV Department of
Environmental Protection 08/08/2014

LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1 Acre Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 50% lbs/acre (500 lbs minimum)

Mulch _____ Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
Fescue					
Contractors Mix					

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

Plan Approved by: Degan O'Hanlon 5-7-14

Comments: _____

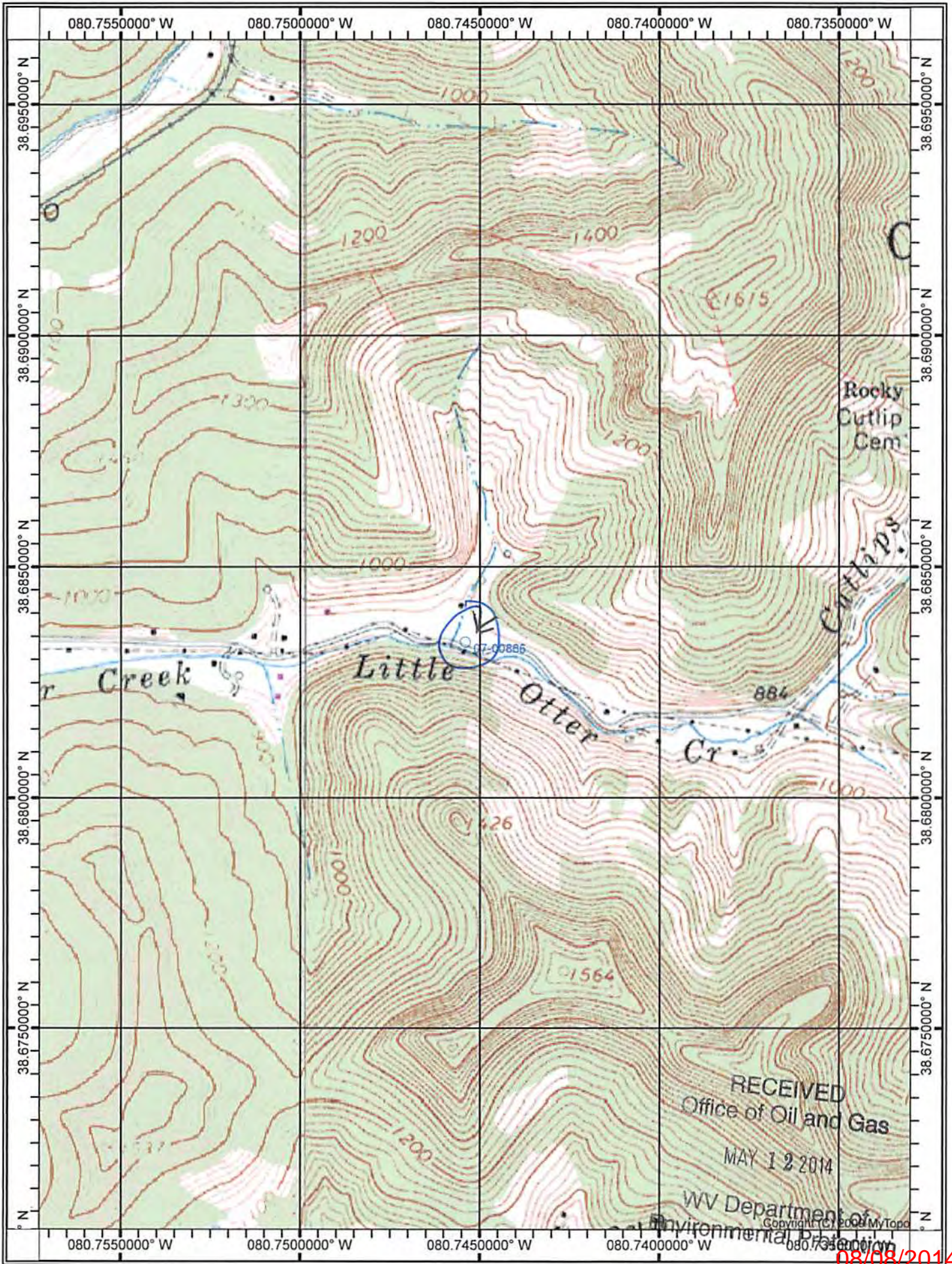
Title: President

Date: April 1, 2014

Field Reviewed? () Yes () No

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08/08/2014

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WW-7
8-30-06



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

API: 47-007-00866 WELL NO.: 1

FARM NAME: Singleton, R.

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Braxton DISTRICT: Otter 3

QUADRANGLE: Sutton 628

SURFACE OWNER: Herbert Lee Ratliff &/or Bethany R.

ROYALTY OWNER: Florence Singleton

UTM GPS NORTHING: 4281675.3

UTM GPS EASTING: 522150.7 GPS ELEVATION: 876

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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- 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.

Mike Ross
Signature

President
Title

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April 1, 2014
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08/08/2014