



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

April 13, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1702458, issued to MURVIN & MEIER OIL CO., 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: 12
Farm Name: MAXWELL, W. B.
API Well Number: 47-1702458
Permit Type: Plugging
Date Issued: 04/13/2015

Promoting a healthy environment.

04/17/2015

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.

1702456P

WW-4B
Rev. 2/01

1) Date January 28, 2015
2) Operator's
Well No. W. Brent Maxwell #12
3) API Well No. 47-017-02458

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

CK# 33670
\$100⁰⁰

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ___ / Gas X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow ___

5) Location: Elevation 1250' Watershed South Fork of Hughes River
District Southwest County Doddridge Quadrangle Holbrook

6) Well Operator Murvin & Meier Oil Co. 7) Designated Agent P. Nathan Bowles Jr.
Address P. O. Box 396 Address 1118 Kanawha Blvd East
Olney IL 62450 Charleston WV 25302

8) Oil and Gas Inspector to be notified Name Douglas Newlon
Address 4060 Dutchman Road
Macfarlan WV 26148
9) Plugging Contractor Name Lucas Well Service, Inc.
Address P. O. Box 4652
Parkersburg WV 26104

10) Work Order: The work order for the manner of plugging this well is as follows:
Cement 2600' - 2500' Gel 850' - 310'
Gel 2500' - 2280' Cement 310' - 210'
Cement 2280' - 2100' Gel 210' - 100'
Gel 2100' - 2000' Cement 100' - surface
Cement 2000' - 1900' Erect monument w/ API number
Gel 1900' - 950' *Cement Plug 1300' - 1200'*

Cut 4 1/2" casing at 950'
1000' 900'
Cement *950' - 850'*
↓
CEMENT ACROSS CASING CUT
WHEREVER IT HAPPENS TO BE.

*DCN
2-6-2015*

Received

FEB 24 2015

Office of Oil and Gas
WV Dept. of Environmental Protection

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

Work order approved by inspector Douglas Newlon Date 2-6-2015
Oil & Gas Inspector

04/17/2015



1702456P

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Holbrook

Permit No. D0DD-2458

API # 47-017-2458

Company Murvin Oil Corporation
 Address P. O. Box 297, Olney, IL 62450
 Farm W. B. Maxwell Acres 1891
 Location (waters) South Fork of Hughes River
 Well No. 12 Elev. 1250'
 District Southwest County Doddridge
 The surface of tract is owned in fee by _____
W. Brent Maxwell Heirs
 Address Clarksburg, WV 26302
 Mineral rights are owned by Same
 Address _____
 Drilling Commenced 8/2/79
 Drilling Completed 8/22/79
 Initial open flow No Test cu. ft. no Test bbls.
 Final production 90 M cu. ft. per day Show bbls.
 Well open _____ hrs. before test 700 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	263	263	80 sks
7			
5 1/2			
4 1/2	2600	2600	200 sks
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Water Frac - 3 stage - Dowell

1st - Gordon Sand - 470 bbl. water - 45 M Sand: Perforated 10 holes at 2567' to 2572'
2nd - Weir Sand - 651 bbl. water - 60 M sand: perforated 16 holes at 2168' to 2266'
3rd - Big Injun Sand - 528 bbl. water - 45 M sand: perforated 10 holes at 1974' to 1980'

Coal was encountered at None Feet _____ Inches _____
 Fresh water _____ Feet _____ Salt Water _____ Feet _____
 Producing Sand Big Injun, Weir & Gordon Depth See Above

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand & Shale			Surface	1550		Top of electrical log
Shale			1550	1570		
Sand			1570	1642		
Shale			1642	1700		
Sand			1700	1726		
Shale			1726	1814		
Sand			1814	1864		
Big Injun			1864	2014	Gas	
Shale			2014	2160		
Weir			2160	2280	Gas	
Shale			2280	2358		
Berea			2358	2368	Show Gas	
Shale			2368	2565		
Gordon			2565	2580	Gas	
Shale			2580	2600	TD	

Received

FEB 24 2015

(over)

Office of Oil and Gas
WV Dept. of Environmental Protection

* Indicates Electric Log tops in the remarks section.

04/17/2015

WW-4A
Revised 6-07

1) Date: January 28, 2015
2) Operator's Well Number W. Brent Maxwell #12
3) API Well No.: 47 - 017 - 02458

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>I. L. Morris</u>	Name _____
Address <u>P. O. Box 397</u> ✓	Address _____
<u>Glenville WV 26351</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Douglas Newlon</u>	(c) Coal Lessee with Declaration
Address <u>4060 Dutchman Road</u>	Name _____
<u>Macfarlan WV 26148</u>	Address _____
Telephone <u>304-932-8049</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 Murvin & Meier, Oil Co.
 By: Kate M. Blackford
 Its: Kate M. Blackford, Executive Vice-President
 Address P. O. Box 396
Olney IL 62450
 Telephone 618-395-4405

Received
FEB 24 2015

Office of Oil and Gas
WV Dept. of Environmental Protection

Subscribed and sworn before me this 12th day of February, 2015
Kellie Weems Notary Public
My Commission Expires 11/30/16



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 depprivacyoffier@wv.gov.

SURFACE OWNER WAIVER

Operator's Well
Number

W. Brent Maxwell #12

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name _____
Signature		By _____
		Its _____
		Date _____

Signature

Date
04/17/2015

1702458P

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. 	A. Signature <i>Jackie Swiger</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
Mr. I. L. Morris P. O. Box 397 Glenville WV 26351	B. Received by (Printed Name) <i>Jackie Swiger</i> C. Date of Delivery <i>2-20-15</i>
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
PS Form 3811, July 2013	3. Service Type <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
2. Article Number (Transfer from service label) 7011 0470 0002 3835 0892	
PS Form 3811, July 2013 Domestic Return Receipt	

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 Postage & Fees \$	
Sent To: Mr. I. L. Morris Street, or PO: P. O. Box 397 City, State: Glenville WV 26351	
PS Form 3800, August 2006 See Reverse for Instructions	

Received

FEB 24 2015

Office of Oil and Gas
WV Dept. of Environmental Protection

04/17/2015

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 Murvin & Meier Oil Co. OP Code 307980

Watershed South Fork of Hughes River Quadrangle Holbrook Oxford

Elevation 1250' County Doddridge District Southwest

Description of anticipated Pit Waste: formation fluid / gel / cement water / water

Will a synthetic liner be used in the pit? yes 20M.

DCW
2-6-2015

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 any oil will be skimmed off and sold)

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 Kate M. Blackford **Received**

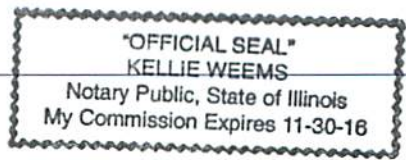
Company Official (Typed Name) Kate M. Blackford

Company Official Title Executive Vice-President FEB 24 2015

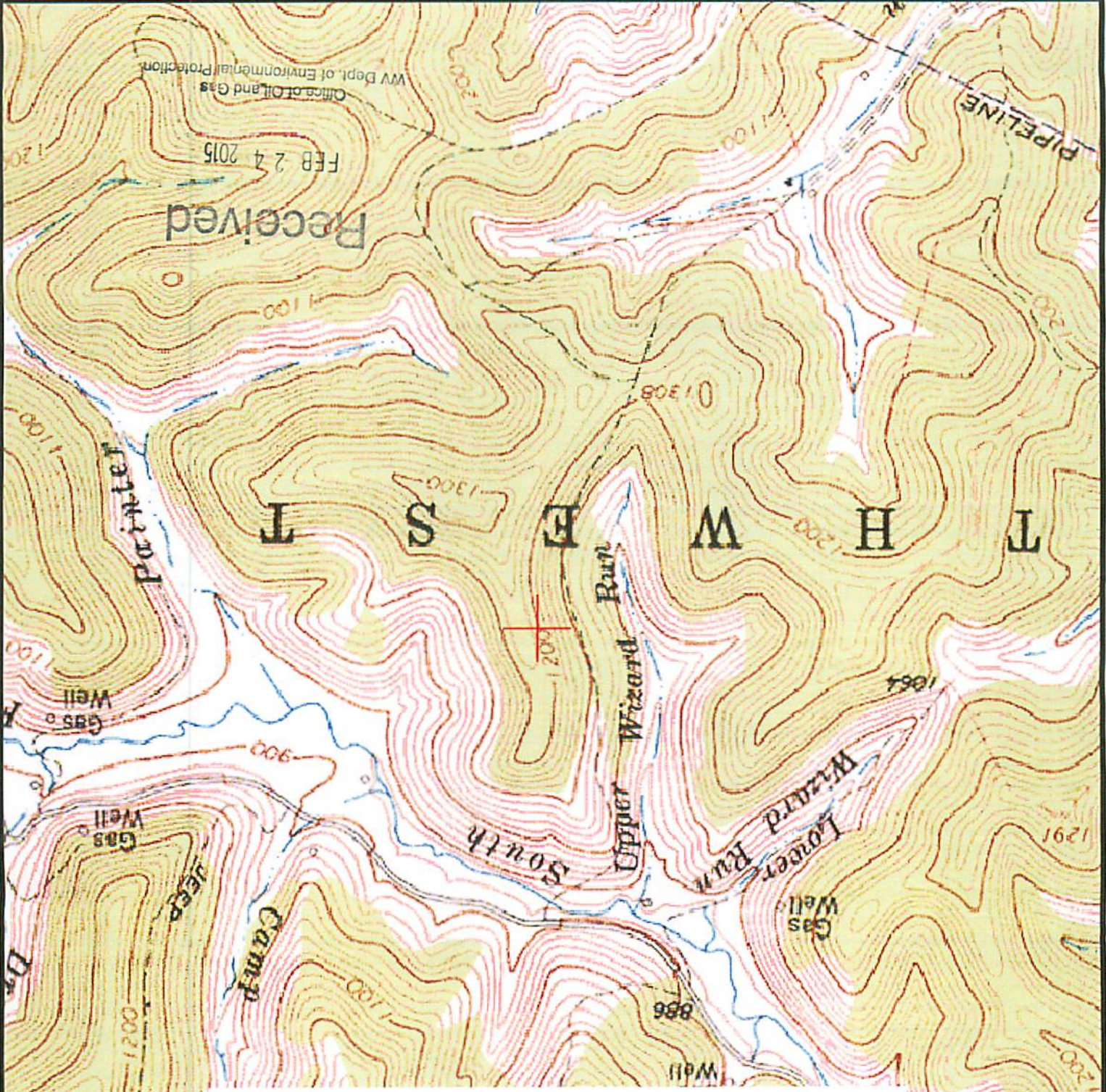
Subscribed and sworn before me this 12th day of February, 2015

Kellie Weems Notary Public

My commission expires 11/30/16



04/17/2015



W. BRENT MAXWELL LEASE
 WELL NO. 12
 (A.P.I. 47-017-02458)

WW-7
8-30-06



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

API: 47-017-02458 WELL NO.: 12

FARM NAME: W. Brent Maxwell

RESPONSIBLE PARTY NAME: Murvin & Meier

COUNTY: Doddridge DISTRICT: Southwest

QUADRANGLE: Oxford 7.5'

SURFACE OWNER: Ike (I.L.) Morris

ROYALTY OWNER: W.B. Maxwell Heirs Properties, LLC

UTM GPS NORTHING: 4337300.0

UTM GPS EASTING: 517717.6 GPS ELEVATION: 366.6 m

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

Received

FEB 24 2015

Office of Oil and Gas
WV Dept. of Environmental Protection

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 Meyer Senior Surveyor, PS 849 9/2/14
Signature Title Date

1702458P



J. B. MURVIN
1917-1996
D. W. MEIER

422 FRONT STREET
P.O. BOX 215
MARIETTA, OHIO 45750
PHONE: 740/374-5383
FAX: 740/374-3427

February 12, 2015

Attn: Justin E. Nottingham
State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, West Virginia 25304

Received

FEB 24 2015

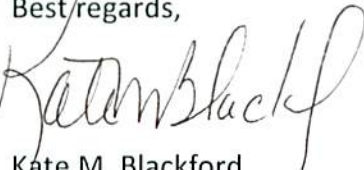
Office of Oil and Gas
WV Dept. of Environmental Protection

Re: W. B. Maxwell #12, Doddridge County, West Virginia

Dear Justin:

Please find enclosed an Application to Plug and Abandon the W. B. Maxwell #12, together with our check in the amount of \$100.00.

Following your review, in the event you have any questions or require additional information, please contact me at 618-395-4405, or katieb@murvinandmeier.com.

Best regards,

Kate M. Blackford
Executive Vice-President

Enclosures

04/17/2015