



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 26, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-6900028, issued to TUNNEL RIDGE, LLC, 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: 0028P (FOSTER 1)

Farm Name: FOSTER, ETHEL

API Well Number: 47-6900028

Permit Type: Plugging

Date Issued: 01/26/2015

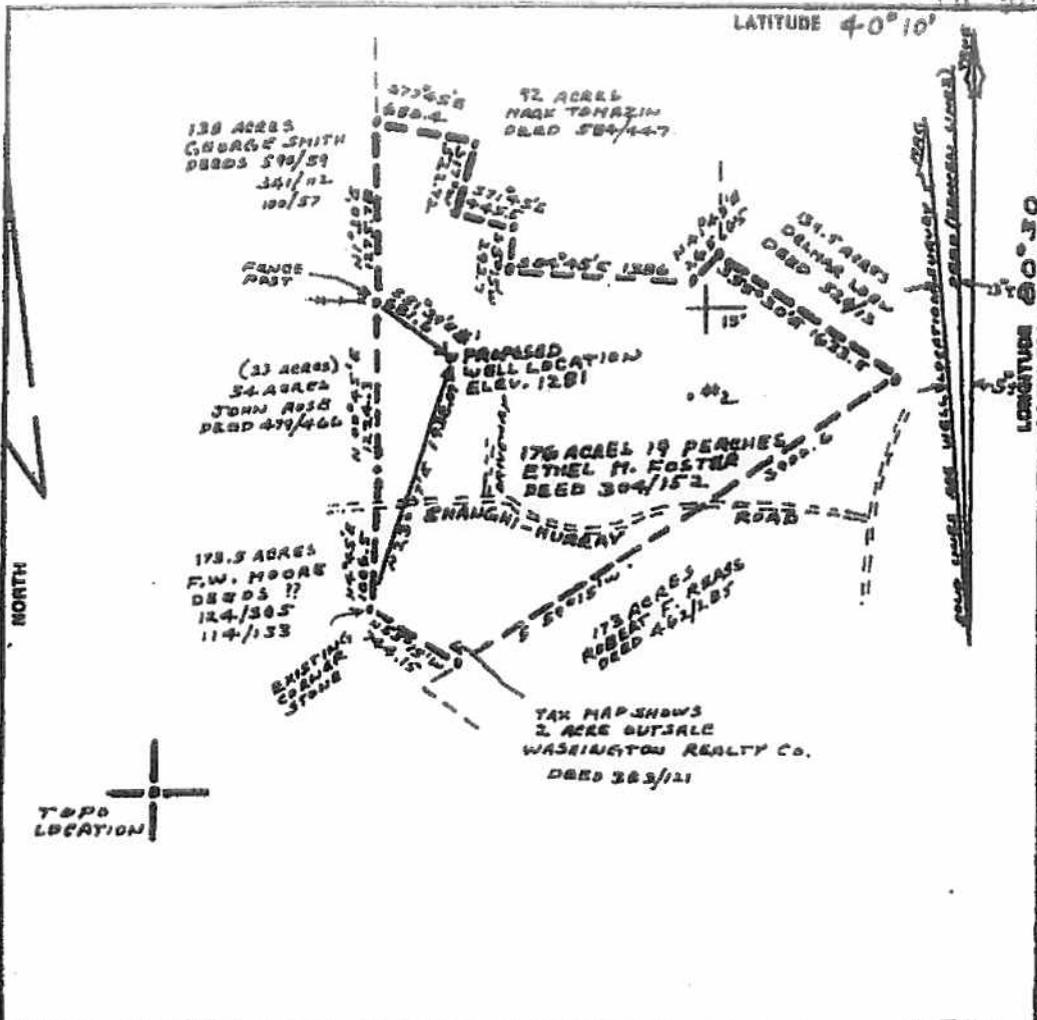
Promoting a healthy environment.

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.



FILE NO. 80-5619-B
 DRAWING NO. 80-5619-B
 SCALE 1" = 100'
 MINIMUM DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION 1135 and 1309
 ROAD INTERSECTIONS ON BETHANY TPO MAP

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) Henry M. Parsons
 R.P.E. _____ L.L.S. 9B



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)

DATE FEB 26, 1980
 OPERATOR'S WELL NO. FOSTER 01
 API WELL NO. 009
47 - OHIO - 0020P
 STATE COUNTY PERMIT



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1281 WATER SHED CASTLEMAN'S RUN
 DISTRICT LIBERTY COUNTY OHIO
 QUADRANGLE BETHANY T5 WINNERS 15'
 SURFACE OWNER ETHEL H. FOSTER ACREAGE 176 ACRES 19 PERCHES
 OIL & GAS ROYALTY OWNER SUNC LEASE ACREAGE 176
 LEASE NO. HA-802
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION MARSH ESTIMATED DEPTH 3500
 WELL OPERATOR Marion Oil & Gas Co. DESIGNATED AGENT
 ADDRESS 905 WASHINGTON ROAD ADDRESS
Washington Plains 1590



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

6900028P

Quadrangle Bethany 7.5 minute

Permit No. 47-069-0028

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

Company <u>Haddad & Brooks</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>905 Washington Rd, Washington, PA 15301</u>				
Farm <u>Ethel Foster</u> Acres <u>176</u>				
Location (waters) <u>Castlemans Run</u>				
Well No. <u>1</u> Elev. <u>1281'</u>				
District <u>Bethany</u> County <u>Ohio</u>				
The surface of tract is owned in fee by <u>Above</u>				
Address _____				
Mineral rights are owned by <u>Above & Kanawaha & Hocking</u>				
Coal & Coke Address <u>P.O. Box 218, Triadelphia, WV 26059</u>				
Drilling Commenced <u>3/29/80</u>	Size <u>20-16</u>			
Drilling Completed <u>4/4/80</u>	Cond. <u>11 3/4</u>	<u>25'</u>	<u>none</u>	
Initial open flow <u>0</u> cu. ft. <u>0</u> bbls.	<u>9 5/8</u>			
Final production <u>0</u> cu. ft. per day <u>0</u> bbls.	<u>8 5/8</u>	<u>1004</u>	<u>all</u>	<u>150 sks lite</u>
Well open _____ hrs. before test _____ RP.	<u>7</u>			<u>50 sks Neat 4% Cacl</u>
Well treatment details:	<u>5 1/2</u>			
<u>8/25/80 - Perforations</u> <u>2331-2346.5</u> <u>12 holes</u> <u>Frac with 875 barrels of water</u>	<u>4 1/2</u>	<u>2420</u>	<u>570</u>	<u>150 sks Thixotropic</u>
<u>15,000# 80/100 mesh sand and 20,000# 20/40 mesh sand, 84 MCF N</u>	<u>3</u>			
	<u>2</u>			
	Liners Used			

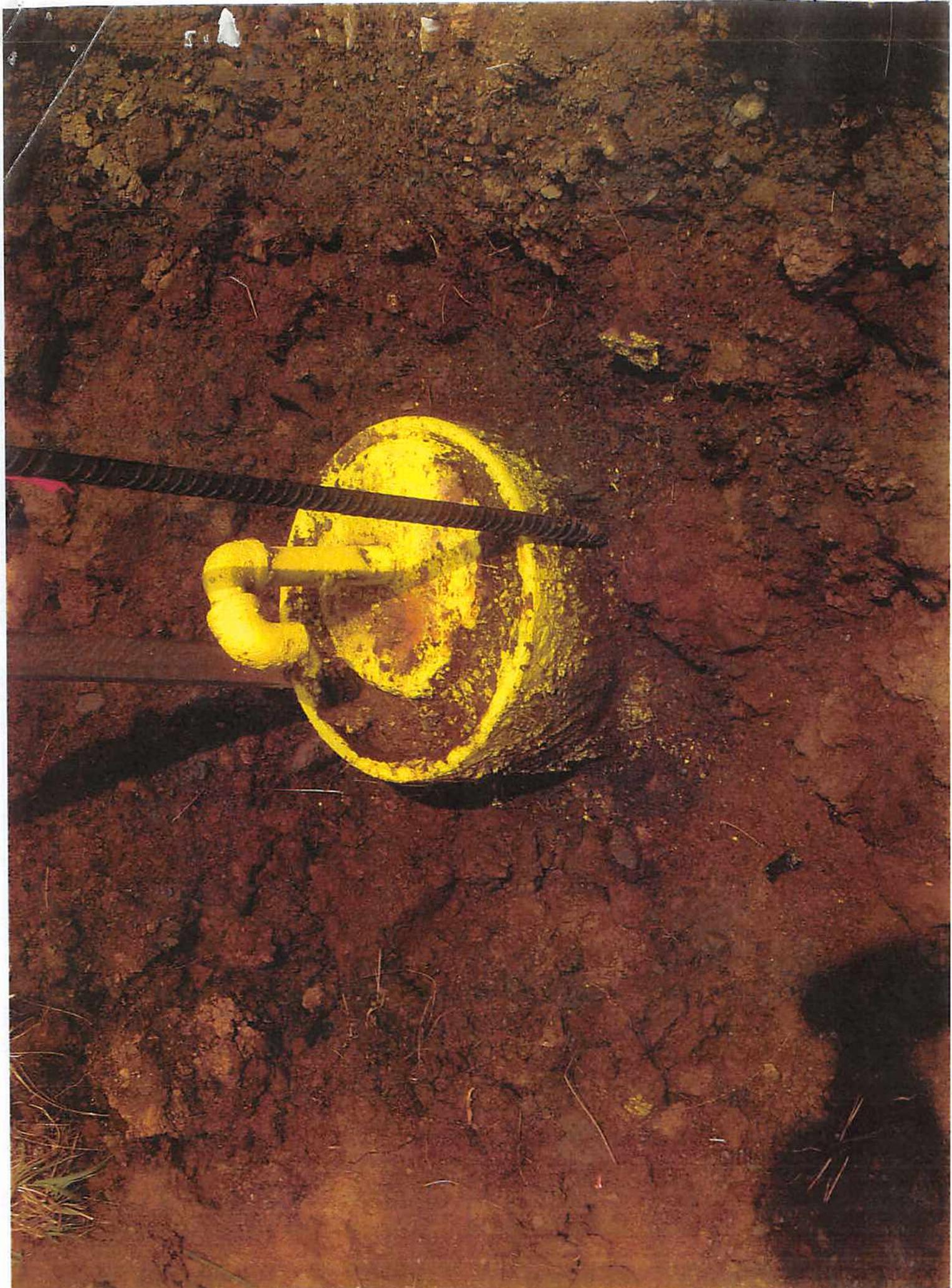
Attach copy of cementing record.

Coal was encountered at Not recorded Feet _____ Inches _____
Fresh water 90 Feet _____ Salt Water 1520 Feet _____
Producing Sand Berea Depth 2330-2348

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
SH, Slst, SS	Red-gy, wh	S	0	1500		
SS	Wh	S	1500	1561	Salt Sand	HFV
SH	Dk Gy-Med Gy	S	1561	1646		
LS	Wh-lt br	H	1646	1696	Greenbrier	Very Fossiliferous
SS	Wh	S	1696	1984	Big Injun	
SH	Lt Gy-M Gy	S	1984	2254		
Slst	Lt Gy-M Gy	H	2254	2277	Welsh Stray	
SH	Med Gy	S	2277	2326		
SS	Lt Gy	H	2326	2348	Berea	
SH, Slst	Lt Gy-M Gy	S-H	2348	2710		
Slst	Lt Gy	H	2710	2724	Gordon	
SH	Med Gy	S	2724	2808		
Slst	Lt Gy	H	2808	2832	5th	
SH, Slst	Lt Gy, M Gy	S-H	2832	3208		
Sndy, Slst	Wh, Lt Gy	H	3208	3291	Warren	
SH, Slst	Lt Gy-M Gy	S-H	3291	3475		
				L.T.D.	Plug back T.D. 2423'	

RECORDED
OCT 14 1980

G900028 P



1) Date 9/25, 20 14
2) Operator's
Well No. 0028P
3) API Well No. 47-069 - 0028P

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 XXXX / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production XXXX or Underground storage ___) Deep ___ / Shallow XXXX

5) Location: Elevation 1281 Watershed Castlemans Run
District Liberty 3 County Ohio Quadrangle Bethany 247

6) Well Operator Tunnel Ridge, LLC 7) Designated Agent John Dubowski
Address 2596 Battle Run Road, Triadelphia, WV 26059 Address 2596 Battle Run Road, Triadelphia, WV 26059

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Gayne Knitowski Name _____
Address PO Box 2 Address _____
Moundsville, WV 26041

10) Work Order: The work order for the manner of plugging this well is as follows:
See attached Petition to Modify

101C

OK
JWM

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

Received
Office of Oil & Gas

OCT 06 2014

Work order approved by inspector _____ Date _____

6900028P

WW-4A
Revised 6-07

1) Date: 9/25/14
2) Operator's Well Number
0028P

3) API Well No.: 47 - 069-0028P - _____

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>Glenn Dille</u>	Name <u>Tunnel Ridge, LLC</u>
Address <u>190 Gobler Knob</u>	Address <u>2596 Battle Run Road, Triadelphia, WV 26059</u>
<u>Valley Grove, WV 26060</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector	(c) Coal Lessee with Declaration
Address _____	Name _____
	Address _____
Telephone _____	

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 Tunnel Ridge, LLC
 By: John Dubowski
 Its: Permitting and Environmental Coordinator
 Address 2596 Battle Run Road, Triadelphia, WV 26059
 Telephone 304-547-2904

Subscribed and sworn before me this 26th day of September, 2014
Teresa Conners
 My Commission Expires Sept. 5, 2023
 Notary Public



OCT 06 2014

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

0028P

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.

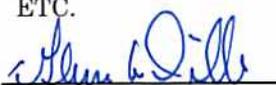
VOLUNTARY STATEMENT OF NO OBJECTION

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,


Signature

Date 9-26-17

Name Glen Dille
By _____
Its _____

Signature Date

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 <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>X <i>Glenn A. Dille</i></p>	
<p>1. Article Addressed to:</p> <p><i>Glenn Dille</i> <i>190 Gobbler Knob</i> <i>Valley Grove, WV</i> <i>26060</i></p>	<p>B. Received by (Printed Name)</p> <p><i>Glenn A. Dille</i></p>	<p>C. Date of Delivery</p> <p><i>9-26-14</i></p>
<p>2. Article Number (Transfer from service label)</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>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	
<p>7009 0080 0001 6379 8093</p>		

WW-4B

API No. 47-069-0028PFarm Name Ethel M. FosterWell No. 0028P

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

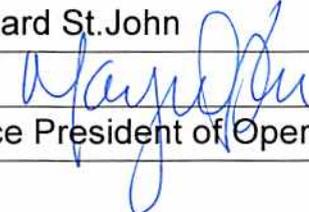
This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator X / owner _____ / lessee _____ / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 9/25/14

Maynard St. John
 By: 
 Its Vice President of Operations

Received
Office of Oil & Gas

OCT 06 2014

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Tunnel Ridge, LLC OP Code _____

Watershed (HUC 10) Castlemans Run Quadrangle Bethany

Elevation 1281 County Ohio District Liberty

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

Will a pit be used for drill cuttings? Yes _____ No XXXX

If so, please describe anticipated pit waste: N/A

Will a synthetic liner be used in the pit? Yes _____ No XXXX If so, what ml.? _____

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 _____)

Will closed loop system be used? NO

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

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfill

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-Landfill or offsite name/permit number? Tunnel Ridge refuse facility, O201608

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 x Maynard St. John
Company Official (Typed Name) Maynard St. John
Company Official Title Vice President of Operations

Received
Office of Oil & Gas
OCT 06 2014

Subscribed and sworn before me this 26th day of September, 2014

Terresa Conners Notary

My commission expires Sept. 5, 2023



Tunnel Ridge, LLC

Proposed Revegetation Treatment: Acres Disturbed 0.55 Prevegetation pH _____

Lime _____ Tons/acre or to correct to pH 6.0 to 7.0

Fertilizer (10-20-20 or equivalent) 600 lbs/acre (500 lbs minimum)

Mulch 0.5 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre
Timothy 8, Red Clover	5	
Orchard Grass 6, Alsike Clover	3	
Annual Rye Grass	9	

Seed Type	Area II	lbs/acre
Timothy 8, Red Clover	5	
Orchard Grass 6, Alsike Clover	3	
Annual Rye Grass	9	

Attach:
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

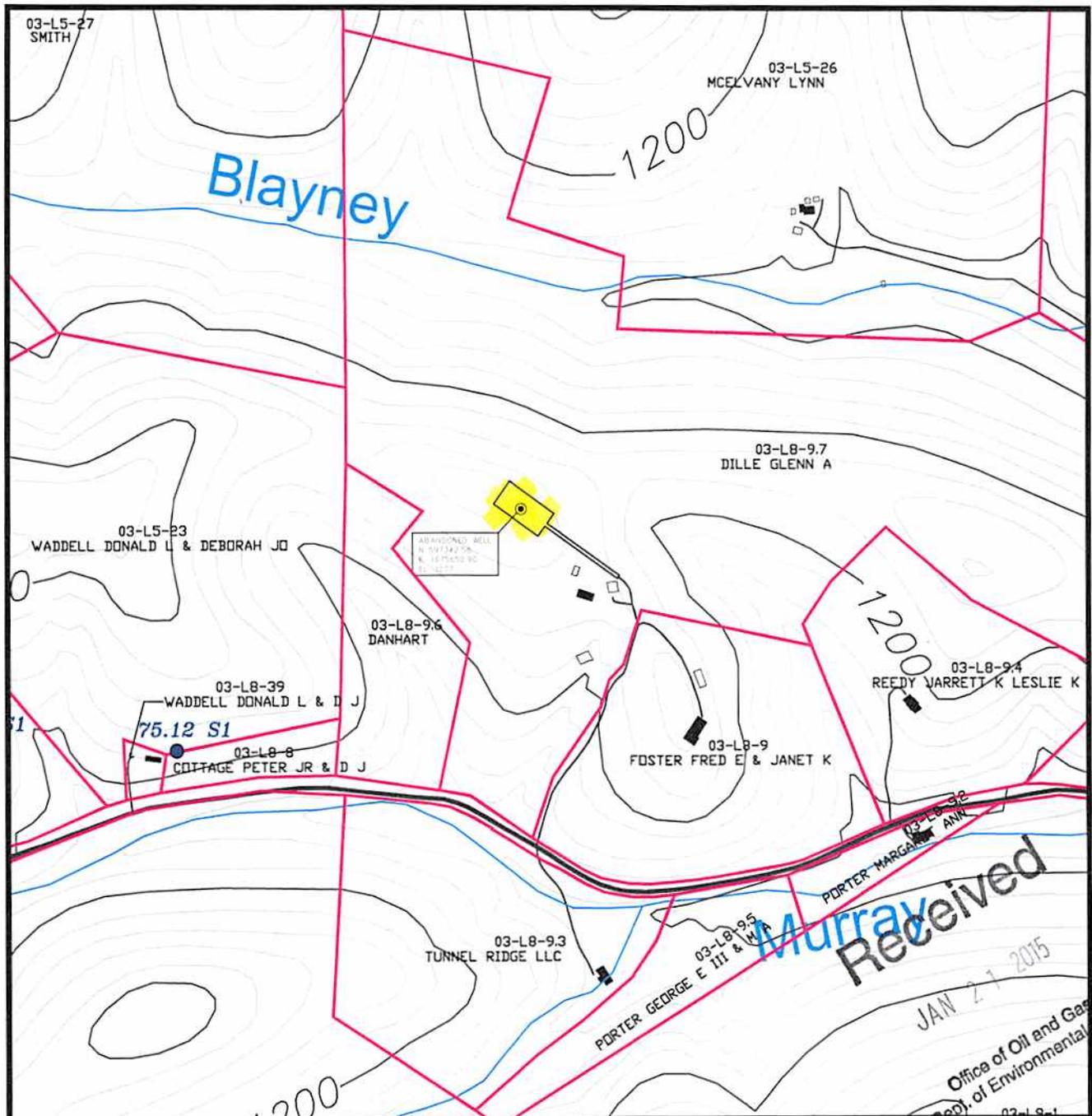
Comments: _____

Title: Permitting Coordinator

Date: 9/25/14

Field Reviewed? () Yes () No

Received
Office of Oil & Gas
OCT 06 2014



JAN 21 2015

Office of Oil and Gas
WV Dep. of Environmental Protection

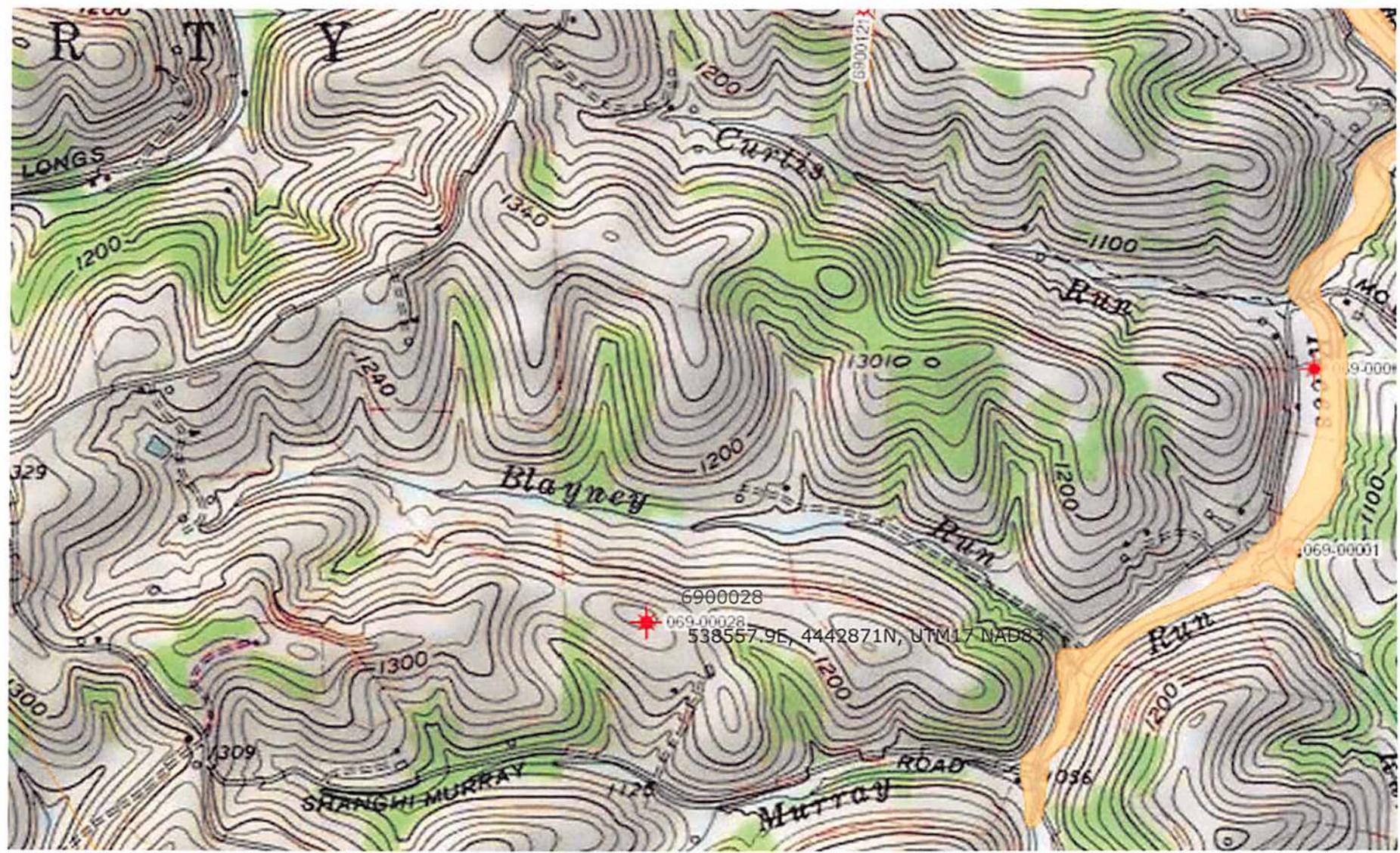
GAS WELL REPLUG LOCATION MAP

Applicant: Tunnel Ridge, LLC	
API: 47-69-0028-P Well No. 0028P	
District: Liberty	County: Ohio
Contour Interval: N/A	Scale: 1" = 500'
Date: 09/25/2014	Date Revised: 01/21/2015



2596 Battle Run Road
Traidelfphia, WV 26059
Ph: (304) 547-2900
Fax: (304) 547-2940

6900028P



WW-7
8-30-06



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

API: 47-069-0028P WELL NO.: 0028P

FARM NAME: Ethel M. Foster

RESPONSIBLE PARTY NAME: Tunnel Ridge, LLC

COUNTY: Ohio DISTRICT: Liberty

QUADRANGLE: Bethany

SURFACE OWNER: Glenn Dille

ROYALTY OWNER: N/A

UTM GPS NORTHING: 4,442,871

UTM GPS EASTING: 538,557.9 GPS ELEVATION: 390.45 (1280.7 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.

[Signature]
Signature

Permitting Coordinator
Title

9/25/14
Date

Received
JAN 21 2015
Office of Oil and Gas
WV Dept. of Environmental Protection