



**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

June 17, 2014

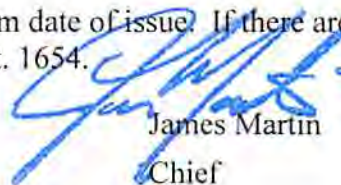
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-6900041, 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: 9026  
Farm Name: MEGALE, WILLIAM L.  
**API Well Number: 47-6900041**  
**Permit Type: Plugging**  
Date Issued: 06/17/2014

## PERMIT CONDITIONS

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

---

### CONDITIONS

---

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



WR-35

State of West Virginia

DEPARTMENT OF ENERGY  
Oil and Gas Division

Date June 8, 1991  
Operator's  
Well No. Megale 9026  
Farm Megale, William L.  
API No. 47-069-0041

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

Coal Seam

WELL TYPE: Oil \_\_\_ / Gas X / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas," Production \_\_\_ / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow X /)

LOCATION: Elevation: 1382.4 Watershed Little Wheeling Creek  
District: Liberty County Ohio Quadrangle Valley Grove

COMPANY Penn Virginia Resources Corp.  
ADDRESS P.O. Box 386; Duffield, VA 24244  
DESIGNATED AGENT Petroleum Consulting Ser  
ADDRESS P.O. Box 35833; Canton, OH 44735  
SURFACE OWNER William L. Megale  
ADDRESS RD2 Box 282; Valley Grove, WV 26060  
MINERAL RIGHTS OWNER Same as Surface  
ADDRESS Same  
OIL AND GAS INSPECTOR FOR THIS WORK  
2604 Crab Apple Lane  
Don Ellis ADDRESS Fairmont, WV 26554  
PERMIT ISSUED May 7, 1990

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8			
7	407.29	407.29	Surf
5 1/2			
4 1/2	1628.54	1628.54	Surf
3			
2			
Liners used			

DRILLING COMMENCED Sept. 11, 1990  
DRILLING COMPLETED Sept. 12, 1990

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Lower Mercer Coal Depth 1600 feet  
Depth of completed well 1675 feet Rotary X / Cable Tools \_\_\_  
Water strata depth: Fresh \_\_\_ feet; Salt \_\_\_ feet  
Coal seam depths: \_\_\_ Is coal being mined in the area? No  
Sewickley 654-656; Pittsburgh 736-742; Mahoning 1247-1251; Kittanning 1479-1481

OPEN FLOW DATA  
Producing formation Pittsburgh Coal Pay zone depth 736 feet  
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow \_\_\_ Bbl/d  
Final open flow 1 Mcf/d Final open flow \_\_\_ Bbl/d  
Time of open flow between initial and final tests 2 ~~months~~ months  
Static rock pressure 20 psig (surface measurement) after 24 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation \_\_\_ Pay zone depth \_\_\_ feet  
Gas: Initial open flow \_\_\_ Mcf/d Oil: Initial open flow \_\_\_ Bbl/d  
Final open flow \_\_\_ Mcf/d Oil: Final open flow \_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_ hours  
Static rock pressure 67 psig (surface measurement) after 24 hours shut in  
(from offset well - 200 ft)

(Continue on reverse side)

06/20/2014



DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Pittsburgh Coal Perf 736-741; Total 21 perfs; BD @ 1060/960 w/ 15 BBLs  
 7.5% HCl - Ball out @ 3480 psi w/ 30 perf balls

Treatment 984 BBLs - 75Q, N2 Foam @ 24 BPM  
 255 BBLs Wtr, 84 sxs 80/100, 410 sxs 20/40; 292.4 MSCF N2  
 MTP = 1850; ATP = 1680, SDP = 1120; 15 min = 670

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Including indication of all fresh and salt water, coal, oil and gas					
FORMATION TOPS			TOP	BOT	THICK SSE
SAND & SHALE			0	391	391 -1382
WAYNESBURG SAND			391	406	15 -991
SAND & SHALE			406	470	64 -976
COAL			470	472	2 -912
SHALE			472	535	63 -910
COAL			535	537	2 -847
SAND w/SHALE STREAKS			537	654	117 -845
SEWICKLEY COAL			654	656	2 -728
SHALE w/LIME STREAKS			656	712	56 -726
REDSTONE COAL			712	714	2 -670
LIME & SHALE			714	736	22 -668
PITTSBURGH COAL			736	742	6 -646
SHALE			742	793	51 -640
RED ROCK			793	818	25 -589
SHALE			818	897	79 -564
SANDSTONE			897	907	10 -485
SHALE			907	937	30 -475
COAL (DUQUENSE ?)			937	939	2 -445
SHALE & SAND			939	990	51 -443
AMES MARINE			990	1012	22 -392
RED ROCK			1012	1188	176 -370
SANDSTONE			1188	1199	11 -194
SHALE & SAND			1199	1247	48 -183
MAHONING COAL			1247	1251	4 -135
SHALE w/LIME STREAKS			1251	1269	18 -131
SAND (WASHINGTON MARINE)			1269	1277	8 -113
SHALE & SAND			1277	1479	202 -105
KITTANNING COAL			1479	1481	2 97
SHALE			1481	1511	30 99
SANDSTONE			1511	1520	9 129
SHALE			1520	1544	24 138
BONEY COAL			1544	1547	3 162
SHALE			1547	1600	53 165
BONEY COAL			1600	1602	2 218
SHALE			1602	1664	62 220
NOT RECORDED			1664	1675	11 282
TD	1664 (WLM)		1675		

(Attach separate sheets as necessary)

Penn Virginia Resources Corporation  
 Well Operator

By: Raymond L. Mazza dba Petroleum Consulting Services  
 Date: June 8, 1991

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

*JEFF OCH  
PROPERTY OWNER*

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
DIVISION OF OIL AND GAS

RECEIVED  
Division of Energy

JUN 24 91

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: MEGALE, WILLIAM L. Operator Well No.: 9026

LOCATION: Elevation: 1382.40 Quadrangle: VALLEY GROVE  
District: LIBERTY County: OHIO  
Latitude: 3075 Feet South of 47 Deg. 7 Min. 30 Sec.  
Longitude 6300 Feet West of 80 Deg. 30 Min. 0 Sec.

Well Type: OIL \_\_\_\_\_ GAS X

Company: Penn Virginia Resources Corp.  
P. O. Box 386  
Duffield, VA 24244

Coal Operator Valley Camp Coal Co.  
or Owner 206 Senaca Street  
Oil City, PA 16301

Agent: Petroleum Consulting Services  
Inspector: Don Ellis  
Permit Issued: 06/18/91

Coal Operator \_\_\_\_\_  
or Owner \_\_\_\_\_

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Ohio ss:

Petroleum Consulting Services and \_\_\_\_\_ being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Penn Virginia Resources Corporation, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 19th day of June, 1991, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	Surface	90 feet	3 feet	404.29 feet (7.0)
Gelled Water (6%)	90 feet	440 feet	3 feet	1625.54 feet (4.0)
Cement	440 feet	1592 feet (TD)		

Description of monument: Steel plate (2ft X 2ft X 3/8in) with API  
Buried 3 feet below ground level

and that the work of plugging and filling said well was completed on the 19th day of June, 1991.

And further deponents saith not.

*Ray Jones*

APR 16 2014

JUN 28 1991  
Office of Oil and Gas  
Department of Environmental Protection

Sworn and subscribe before me this 21st day of June, 1991  
My commission expires: 11.2.1995

*Butler S. Lawrence*  
Notary Public  
06/20/2014

JUN 2 4 94

WELL # 9026

PETROLEUM CONSULTING SERVICES
P.O. BOX 35833
CANTON, OH 44735
(216) 499-3823

DATE: 06/19/91
DAY # 1

PLUGGING DETAIL

PAGE 1 OF 1

WELL: MEGALE 9026 OPERATOR: PENN VIRGINIA RES CORP
TARGET: PITTSBURGH COAL CONTRCTR: D&K
WATERSHED: LITTLE WHEELING CREEK RIG #: 3
QUAD: VALLEY GROVE PERMIT #: 47-069-0041
DISTRICT: LIBERTY ELEV GL: 1382.4
COUNTY: OHIO PLUGGING PERMIT NO:12396

ACTIVITY PLUGGING FOR ABANDONMENT

Table with columns: MEAS DEPTH, HLU, N/A, HLD, N/A, ROT WT, N/A, TORQUE, N/A, RPM, N/A. Values include 1592, 407.29FT, 1628.54FT, etc.

CASING

7.000IN @ 407.29FT; CT @ SURF
4.500IN @ 1628.54FT; CT @ 350FT

Table with columns: FROM, TO, HRS, ACTIVITY. Includes activity log from 07:00 to 14:15 and a summary section for SURFACE TO 90FT, 90 TO 440FT, 440FT TO TD, and TOP PERFORATION.

Table with columns: COAL, 470-472, 535-537, 654-656, 712-714, 736-742, 937-939, MAHONING COAL, LWR KITTANNING, BONEY COAL, BONEY COAL, 1247-1251, 1479-1481, 1544-1547, 1600-1602.

COST THIS DATE 5160 TOTAL WELL COST 5160
PREPARED BY MAZZA

Received

Office of Oil and Gas
WV Dept. of Environmental Protection

JUN 22 2001

6900041P

WW-4A  
Revised 6-07

1) Date: 04-14-2014  
2) Operator's Well Number  
9026  
3) API Well No.: 47 - 69 - 00041-P

**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>Jeffrey S. and Dana R. Och</u> ✓	Name <u>Tunnel Ridge, LLC</u> ✓
Address <u>1542 Potomac Hill</u>	Address <u>2596 Battle Run Road</u>
<u>Valley Grove, WV 26060</u>	<u>Triadelphia, WV 26059</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 \_\_\_\_\_  
 Title: Permitting and Environmental Coordinator \_\_\_\_\_  
 Address 2596 Battle Run Road \_\_\_\_\_  
Triadelphia, WV 26059 \_\_\_\_\_  
 Telephone 304-547-2904 \_\_\_\_\_

Subscribed and sworn before me this 2nd day of May, 2014  
Kristina M. Hundertmark Notary Public  
 My Commission Expires May 26, 2018

Received  
MAY 2 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 [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

06/20/2014



69 00041 P

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature  <input checked="" type="checkbox"/> Agent  <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name)            Dana Ochs</p> <p>C. Date of Delivery</p>
<p>1. Article Addressed to:            Jeffrey Ochs            1542 Potomac Hill            Valley Grove WV            26060</p>	<p>D. Is delivery address different from item 1? <input checked="" type="checkbox"/> Yes            If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>156 SHUANNA LANE            VALLEY GROVE            WV 26060</p> <p>3. Service Type  <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>2. Article Number  <small>(Transfer from service)</small></p>	<p>7009 0080 0001 6379 7959</p>

06/20/2014



6900041P

UNITED STATES POSTAL SERVICE

PA 157  
01 MAY '14

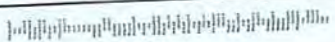


First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

PS Form 3849  
• Sender: Please print your name, address, and ZIP+4 in this box •



John Dubowski PE  
Tunnel Ridge, LLC  
2596 Battle Run Road  
Triadelphia, WV 26509



**SURFACE OWNER WAIVER**

Operator's Well  
Number

9026

**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 57<sup>th</sup> 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 have no objection to a permit being issued on those materials.

**FOR EXECUTION BY A NATURAL PERSON  
ETC.**

**FOR EXECUTION BY A CORPORATION,**

**Received**

MAY 2 2014

\_\_\_\_\_  
Signature

Date

\_\_\_\_\_  
Name  
By  
Its

\_\_\_\_\_  
Date

Office of Oil and Gas  
Department of Environmental Protection  
WV Department of Environmental Protection

Signature

Date  
**06/20/2014**

WW-4B

API No.	<u>69-00041-P</u>
Farm Name	<u>Formerly the William L. Megale Farm</u>
Well No.	<u>9026</u>

**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 XXXX / 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: 04/4/2014

By:   
 Its VP operations

**Received**

MAY 2 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

06/20/2014



6900041P

WW-9  
(5/13)

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47 - 69 - 00041-P  
Operator's Well No. 9026

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) Wheeling Creek Quadrangle Valley Grove

Elevation 1360.0 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 XXXX No \_\_\_\_\_

If so, please describe anticipated pit waste: \_\_\_\_\_

Will a synthetic liner be used in the pit? Yes XXXX No \_\_\_\_\_ If so, what ml.? 4 MIL 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 \_\_\_\_\_)

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. Leave in Pit

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

-Landfill or offsite name/permit number? \_\_\_\_\_

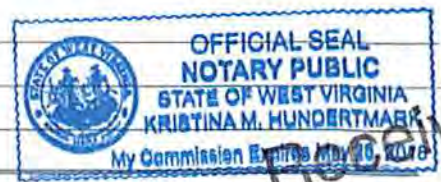
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations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

Company Official (Typed Name) Maynard St. John

Company Official Title Vice President of Operations



Subscribed and sworn before me this 200 day of May, 20 14

[Signature] Notary Public

My commission expires May 26, 2018

Received  
MAY 2 2014  
Office of Oil and Gas  
WV Dept. of Environmental Protection  
06/20/2014

Form WW-9

Operator's Well No. 9026

**Tunnel Ridge, LLC**

Proposed Revegetation Treatment: Acres Disturbed 0.5 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

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

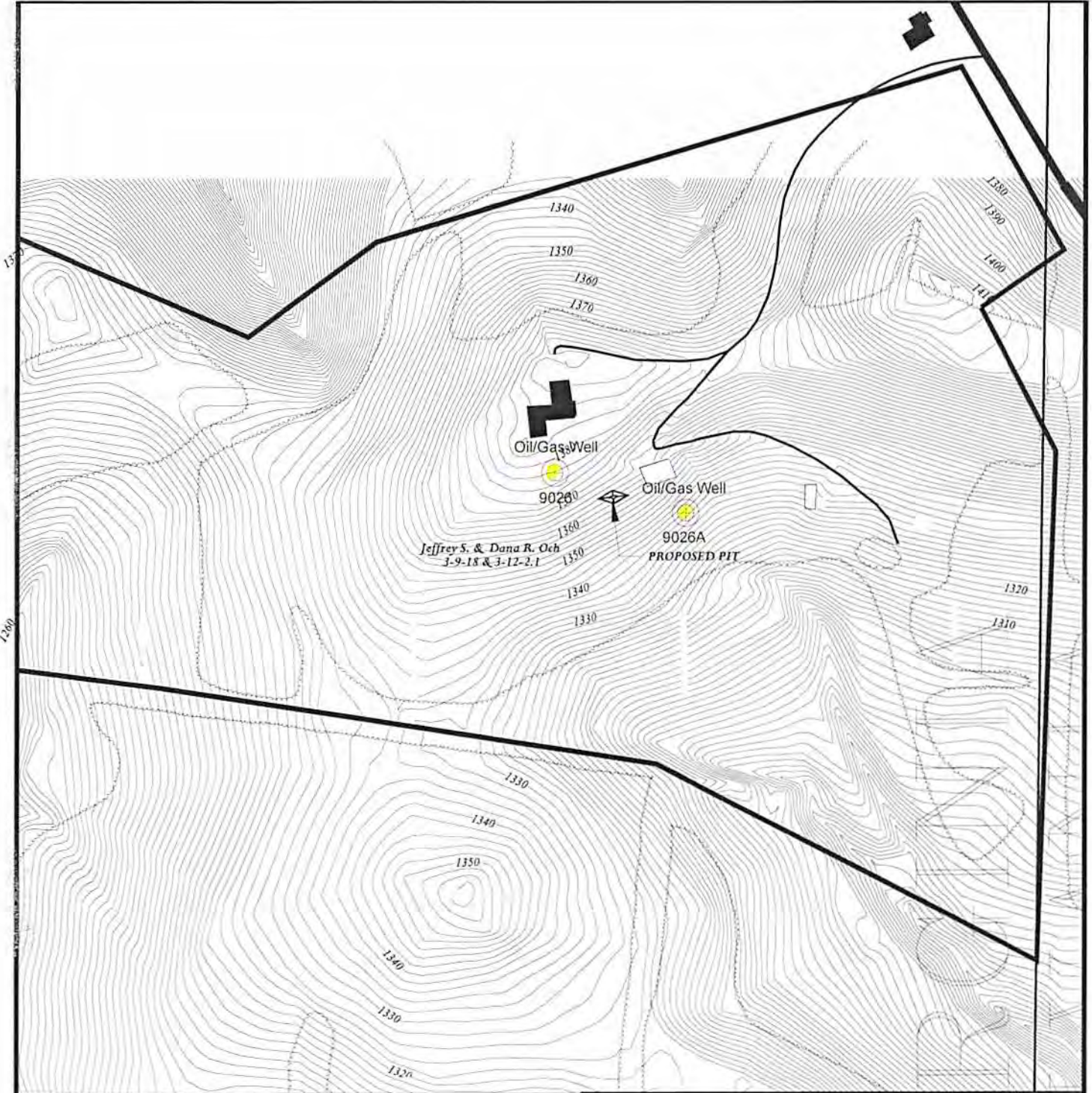
Comments: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

Field Reviewed?  Yes  No

**Received**  
MAY 2 2014  
Office of Oil and Gas  
WARRANTY DIVISION  
06/20/2014





**GAS WELL REPLUG LOCATION MAP**

Applicant: Tunnel Ridge, LLC

API: 47-69-00041-P Well No. 9026

District: Liberty

County: Ohio

Contour Interval: N/A

Scale: 1" = 50'

Date: 05/02/2014

Date Revised:



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





Received  
 APR 16 2014  
 Robert E. ...  
 Office of Oil and Gas  
 WV Dept. of Environmental Protection

REVISIONS No. By Chkd Apprv Date 1 2 3	Description		Drawing Number	Description	Date	Designed By: MSS	Date: 04/19/2014	Filename: OCH GAS WELL PERMIT.dwg Project Number: Date: 04/19/2014 Drawing Number: Scale: 1"=200' 	Alliance Coal, LLC Tunnel Ridge, LLC Triadelphia, WV	GAS WELL PLUG MAP Sheet 01 of 01
	Contract Issue:					Drawn By: MSS	Date: 04/19/2014			
	Construction Issue:					Checked By: JPD	Date: 04/19/2014			
	As-Built Issue:					Approved By: JPD	Date: 04/19/2014			

06/20/2014

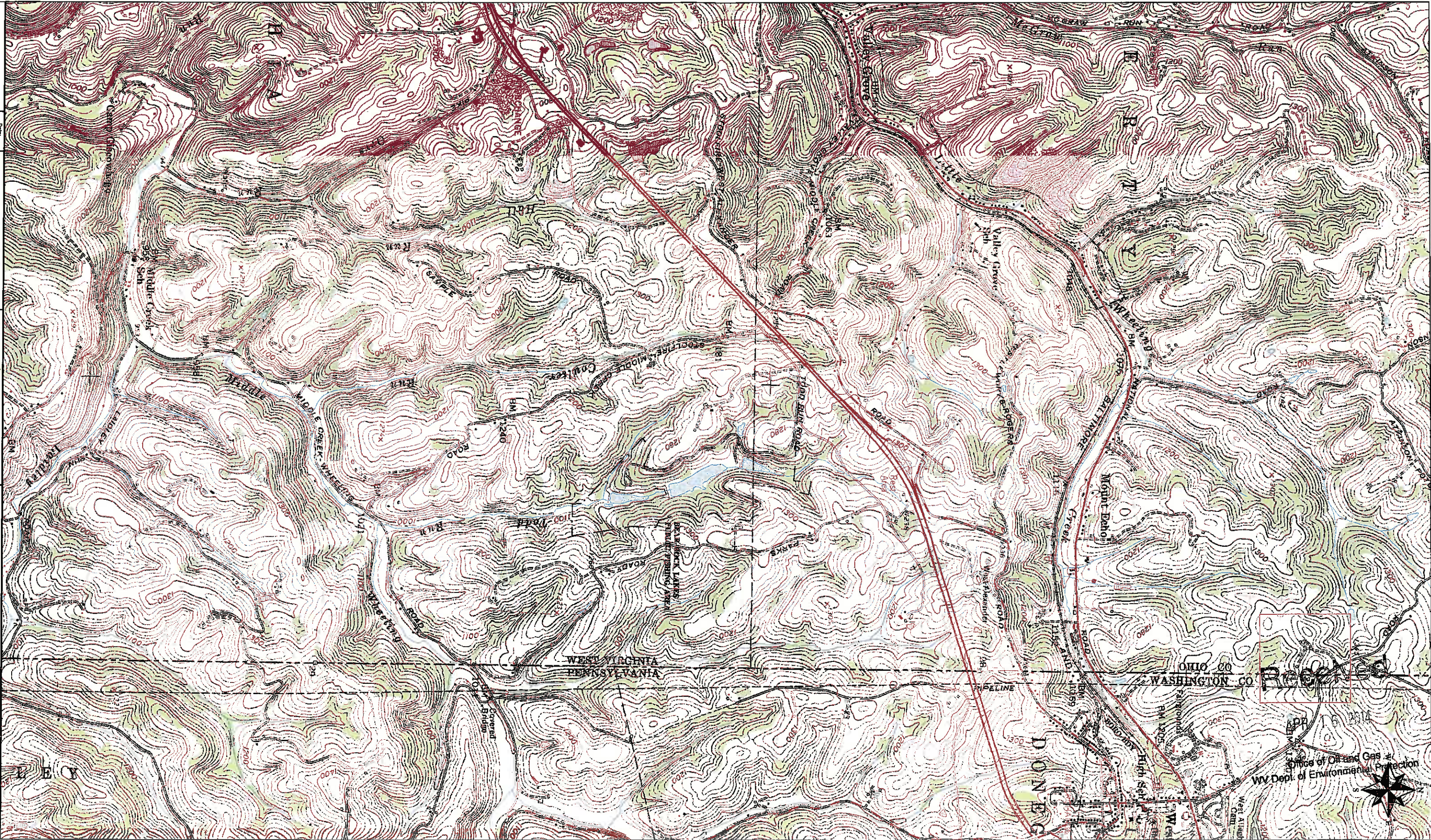


Designed By: MJS	Date: 4/15/2014
Drawn By: MJS	4/15/2014
Checked By: JPD	4/15/2014
Approved By: JPD	4/15/2014



**ALLIANCE COAL LLC**  
**TUNNEL RIDGE, LLC**  
 TRIAD, PA, WV

**OCH PROPERTY**  
 GASWELL, LOCATION MAP



Office of Oil and Gas  
 WV Dept. of Environmental Protection

06/20/2014



WW-7  
8-30-06



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

API: 47-69-00041-P WELL NO.: 9026

FARM NAME: William L. Megale

RESPONSIBLE PARTY NAME: Tunnel Ridge, LLC

COUNTY: Ohio DISTRICT: Liberty

QUADRANGLE: Valley Grove

SURFACE OWNER: Jeffrey S. and Dana R. Och

ROYALTY OWNER: N/A

UTM GPS NORTHING: 4,440,762

UTM GPS EASTING: 540,706 GPS ELEVATION: 414.5 m (1382')

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

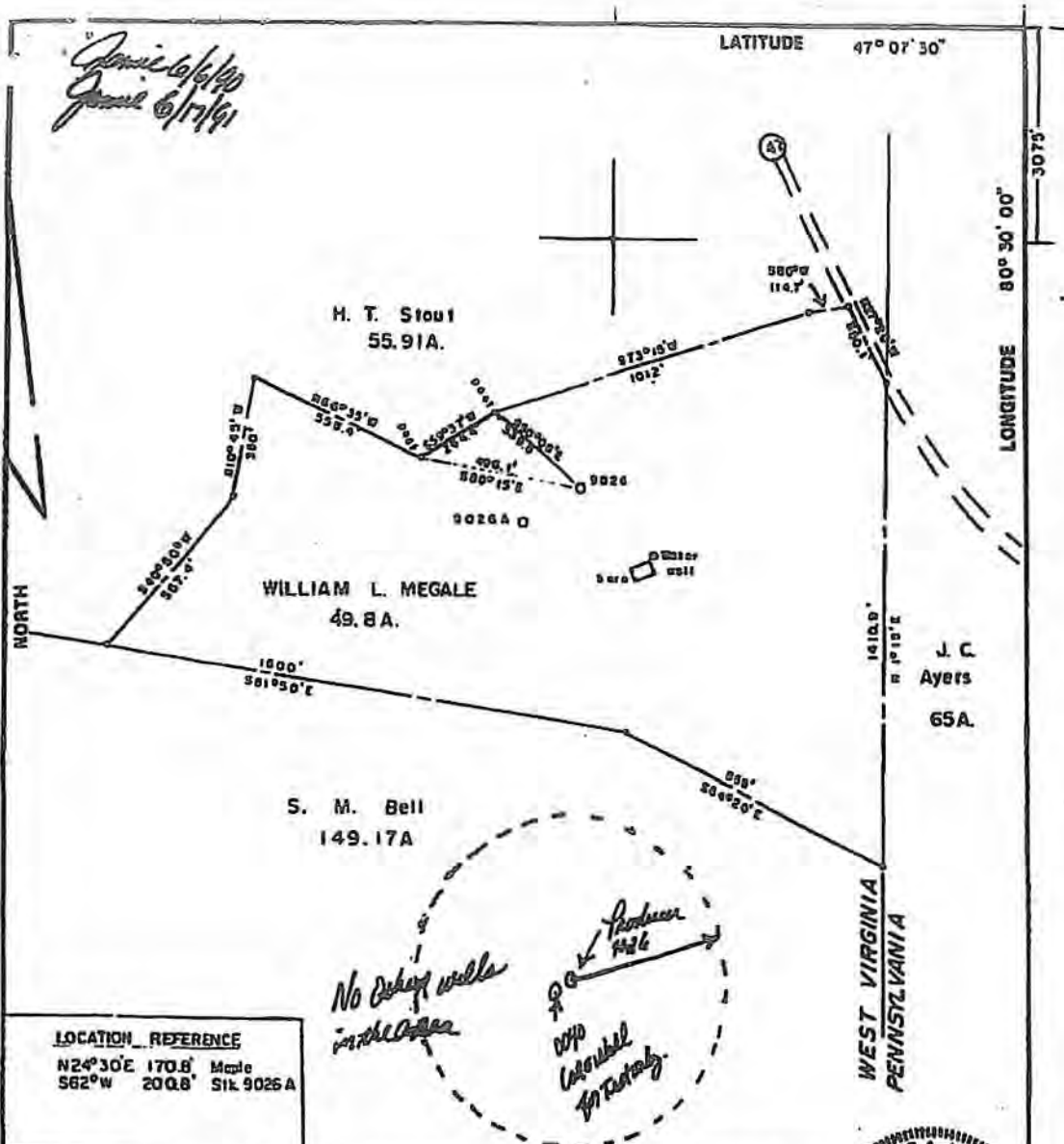
Permitting Coordinator  
Title

06/09/14  
Date

Received  
JUN - 9 2014  
Office of Oil and Gas  
West Virginia Dept. of Environmental Protection



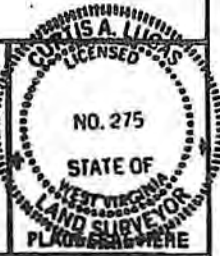
69 000 41 P



**LOCATION REFERENCE**  
 N24°30'E 170.8' Maple  
 S62°W 200.8' SIK 9026A

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1 in 200'  
 PROVEN SOURCE OF ELEVATION BM TT-68R-1952  
 EL. 1320.0

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) *Curtis J. News*  
 R.P.E. \_\_\_\_\_ L.L.S. 275



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE MAY 7, 1990  
 OPERATOR'S WELL NO. 9026  
 API WELL NO. 47-069-0041-P  
 STATE COUNTY PERMIT

(\*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1382.4 WATER SHED LITTLE WHEELING CREEK  
 DISTRICT LIBERTY COUNTY OHIO  
 QUADRANGLE VALLEY GROVE  
 SURFACE OWNER WILLIAM L. MEGALE ACREAGE 488  
 OIL & GAS ROYALTY OWNER WILLIAM L. MEGALE LEASE ACREAGE 49.8  
 LEASE NO. 47-3688-00  
 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 COAL ESTIMATED DEPTH 1700  
 WELL OPERATOR PENN VIRGINIA RES. CORP DESIGNATED AGENT G. B. HEFNER  
 ADDRESS P O BOX 386 ADDRESS P. O. BOX 249  
DUFFIELD VA 24244 BRIDGEPORT WV 26330

Received

APR 16 2014

Office of Oil and Gas  
WV Dept. of Environmental

06/20/2014

FORM IV-G (8-78)

060 001