



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

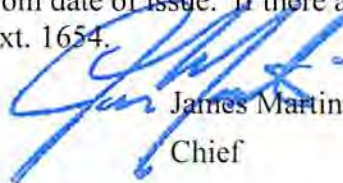
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-6900040, 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-A
Farm Name: MEGALE, WILLIAM L.
API Well Number: 47-6900040
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.

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

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

LOCATION: Elevation: 1360 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 RD 2 Box 282; Valley Grove, WV 26060

MINERAL RIGHTS OWNER Same as Surface

ADDRESS Same

OIL AND GAS INSPECTOR FOR THIS WORK

Don Ellis ADDRESS 2604 Crab Apple Lane

Paragmont, WV 26554

PERMIT ISSUED May 7, 1990

DRILLING COMMENCED July 12, 1990

DRILLING COMPLETED July 30, 1990

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

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			
5 1/2			
4 1/2	288.82	288.82	Surf
3			Surf
2 -3/8	1506.46	1506.46	
Liners used			

(Deep) Below
Pittsburgh

GEOLOGICAL TARGET FORMATION Lower Mercer Coal Depth 1635 feet
Depth of completed well 1700 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 90 feet; Salt _____ feet
Coal seam depths: _____ Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Kittanning Pay zone depth 1465-1467 feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow negligible Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure 445 psig (surface measurement) after 480 hours shut in

(If applicable due to multiple completion--)

Second producing formation Pittsburgh Pay zone depth 722 feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 1 Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests 100 hours

Static rock pressure 67 psig (surface measurement) after 24 hours shut in

(Continue on reverse side)

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

Kittanning: Perf 1466.50 - 1468.00; Total 7 perfs; BD @ 1,000/4,00 psi
w/ 10 gal 15% HCl
Install bottom hole pressure recorder

Mahoning: Perf 1233.75 - 1235.75; Total 6 perfs; BD @ 950 psi w/ 15
gal 15% HCl
Install bottom hole pressure recorder

Pittsburgh: Perf 724.00 - 726.50; Total 5 perfs; BD @ 0 psi w/ 15 gal
15% HCl
Install bottom hole pressure recorder

FORMATION TOPS	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS	
					TOP	BOT THICK
SAND & SHALE			0	372	372	-1360
WAYNESBURG SAND			372	390	18	-988
SAND & SHALE			390	453	63	-970
COAL			453	455	2	-907
SHALE			455	518	63	-905
COAL			518	520	2	-842
SAND w/SHALE STREAKS			520	638	118	-840
SEWICKLEY COAL			638	640	2	-722
SHALE w/LIME STREAKS			640	696	56	-720
REDSTONE COAL			696	698	2	-664
LIME & SHALE			698	722	24	-662
PITTSBURGH COAL			722	729	7	-638
SHALE			729	780	51	-631
RED ROCK			780	805	25	-580
SHALE			805	845	40	-555
SANDSTONE			845	857	12	-515
SHALE			857	914	57	-503
COAL (DUQUENSE ?)			914	915	1	-446
SHALE & SAND			915	990	75	-445
AMES MARINE			990	993	3	-370
RED ROCK			993	1138	145	-367
SANDSTONE			1138	1149	11	-222
SHALE & SAND			1149	1232	83	-211
MAHONING COAL			1232	1235	3	-128
SHALE w/LIME STREAKS			1235	1253	18	-125
SAND (WASHINGTON MARINE)			1253	1261	8	-107
SHALE & SAND			1261	1465	204	-99
KITTANNING COAL			1465	1467	2	105
SHALE			1467	1506	39	107
SANDSTONE			1506	1520	14	146
SHALE			1520	1527	7	160
BONEY COAL			1527	1528	1	167
SHALE			1528	1569	41	168
BONEY COAL			1569	1570	1	209
SHALE			1570	1640	70	210
SANDSTONE			1640	1670	30	280
SHALE			1670	1690	20	310
TD			1690			

(Attach separate sheets as necessary)

Penn Virginia Resources Corporation

Well Operator

By: Raymond L. Mazza dba Petroleum Consulting ServicesDate: 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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPPLICATE, 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-A

LOCATION: Elevation: 1360.00 Quadrangle: VALLEY GROVE
 District: LIBERTY County: OHIO
 Latitude: 3180 Feet South of 47 Deg. 7 Min. 30 Sec.
 Longitude 6510 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 Seneca 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	50 feet	3 feet	285.82 feet (4.5)
Gelled Water (6%)	50 feet	674 feet	3 feet	1503.46 feet (2.3)
Cement	674 feet	1506 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 [Signature]

RECEIVED
 Oil and Gas

Sworn and subscribe before me this 21st day of June, 1991
 My commission expires: Jun. 2, 1993

Betty K. [Signature]
 Notary Public

JUN 28 1991
 Environmental Protection
 06/20/2014

69100040P

WW-4A
Revised 6-07

1) Date: 04-14-2014
2) Operator's Well Number
9026-A

3) API Well No.: 47 - 69 - 00040-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 <u>Tunnel Ridge, LLC</u>
	By: <u>John Dubowski</u>
	Is: <u>Permitting and Environmental Coordinator</u>
	Address <u>2596 Battle Run Road</u>
	<u>Triadelphia, WV 26059</u>
	Telephone <u>304-547-2904</u>

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

Received

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.

06/20/2014

69000408

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 <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: Jeffrey Oehl 1542 Potomac Hill Valley Grove WV 26060	B. Received by (Printed Name) Dana Oehl	C. Date of Delivery
2. Article Number <small>(Transfer from service)</small>	D. Is delivery address different from item 1? <input checked="" type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
	156 SHUANNA LANE VALLEY GROVE WV 26060	
	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.	
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
	7009 0060 0001 6379 7959	

06/20/2014

6900040P

UNITED STATES POSTAL SERVICE

PA 350

01 MAY '14

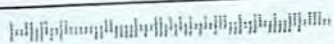


First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

PS Form 3849, June 2013
• 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



06/20/2014

SURFACE OWNER WAIVER

Operator's Well
Number

9026-A

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,

received

MAY 2 2014

_____	Date _____	Name _____
Signature		By _____
		Its _____

Signature _____

Office of Oil and Gas
WV Dept. of Environmental Protection

Date

06/20/2014

WW-4B

API No. 69-00040-P
Farm Name Formerly the William L. Megale Farm
Well No. 9026-A

**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: *M. Maguire*
Its VP operations

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

06/20/2014

69 00040 P

WW-9
(5/13)

Page _____ of _____
API Number 47 - 69 - 00040-P
Operator's Well No. 9026-A

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 Maynard St. John

Company Official (Typed Name) Maynard St. John

Company Official Title Vice President of Operations



Subscribed and sworn before me this 2nd day of May, 20 14

Kristina M. Hundermark 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

6900040P

Form WW-9

Operator's Well No. 9026-A

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

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: _____ Date: _____

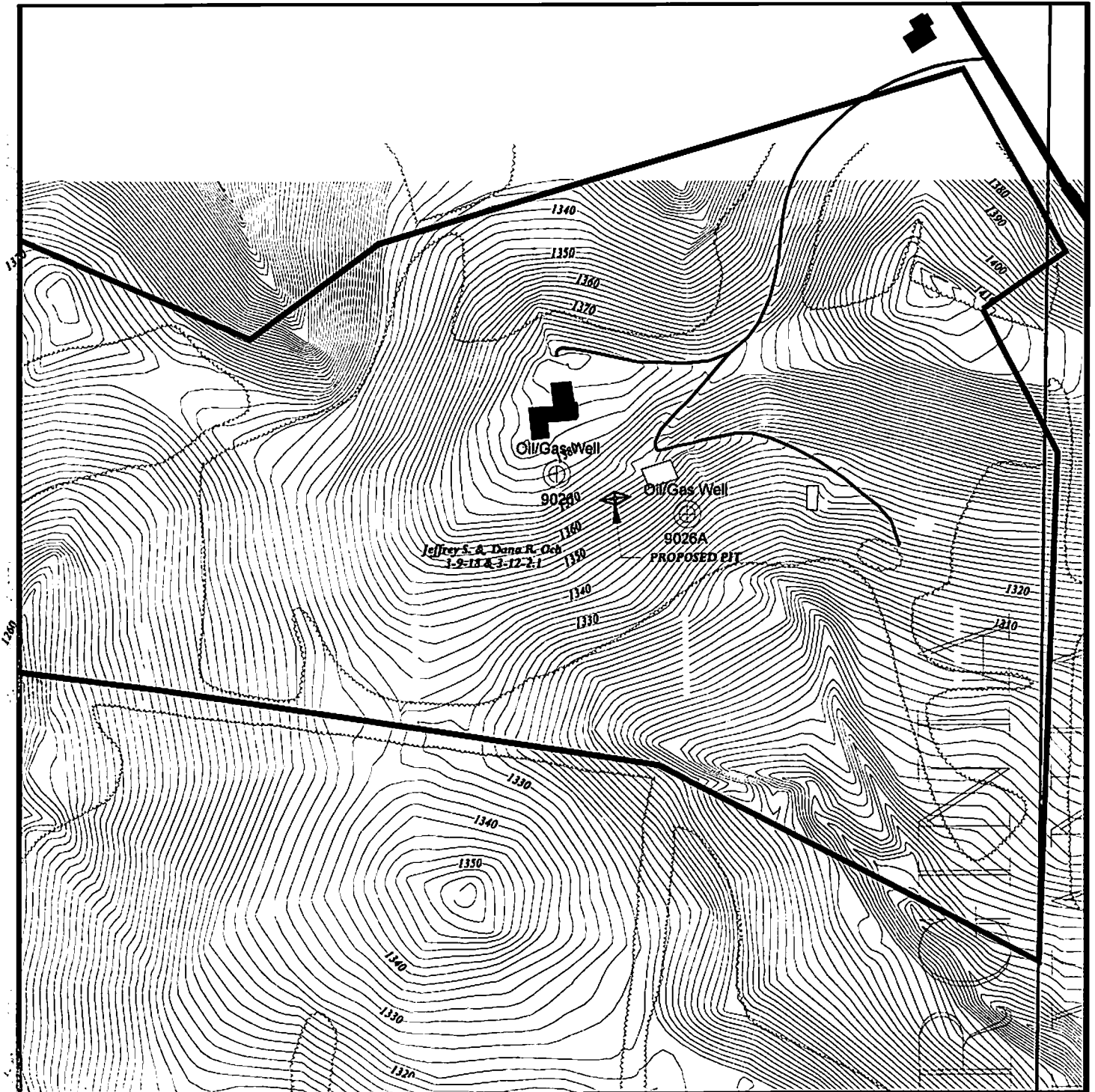
Field Reviewed? Yes No

Received

MAY 2 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

06/20/2014



GAS WELL REPLUG LOCATION MAP

Applicant: Tunnel Ridge, LLC

API: 47-69-00040-P Well No. 9026-A

District: Liberty

County: Ohio

Contour Interval: N/A

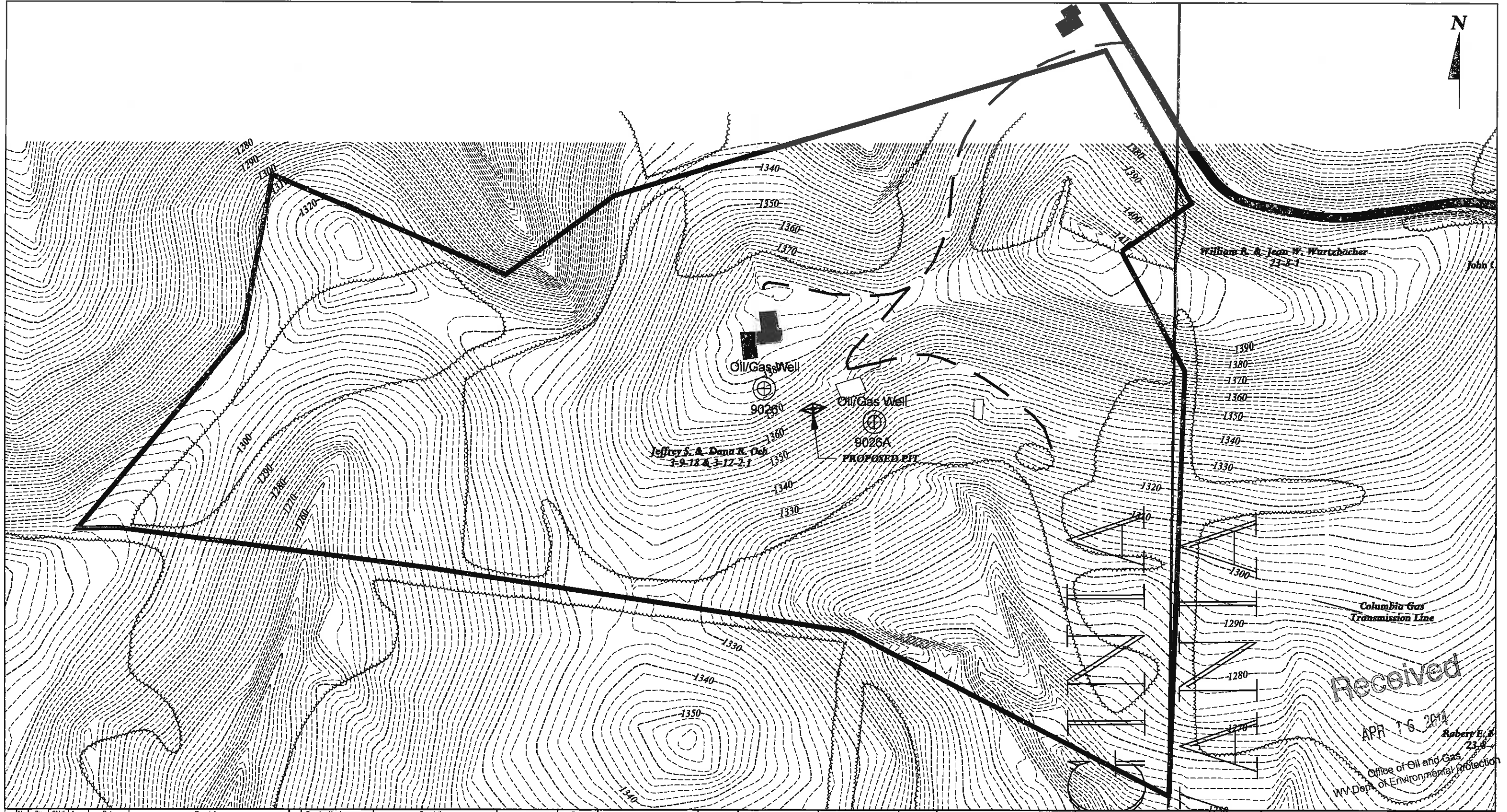
Scale: 1" = 50'

Date: 05/02/2014

Date Revised:



2596 Battle Run Road
 Traidelphia, 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	Project Number: Drawing Number: Date: 04/19/2014	Scale: 1" = 200' 0' 200'	Alliance Coal, LLC Tunnel Ridge, LLC Triadelphia, WV	GAS WELL PLUG MAP	Sheet 01 of 01	
	Description					Contract Issue:	Drawn By: MSS						Filename: OCH GAS WELL PERMIT.dwg
	Description					Construction Issue:	Checked By: JPD						
	Description					As-Built Issue:	Approved By: JPD						

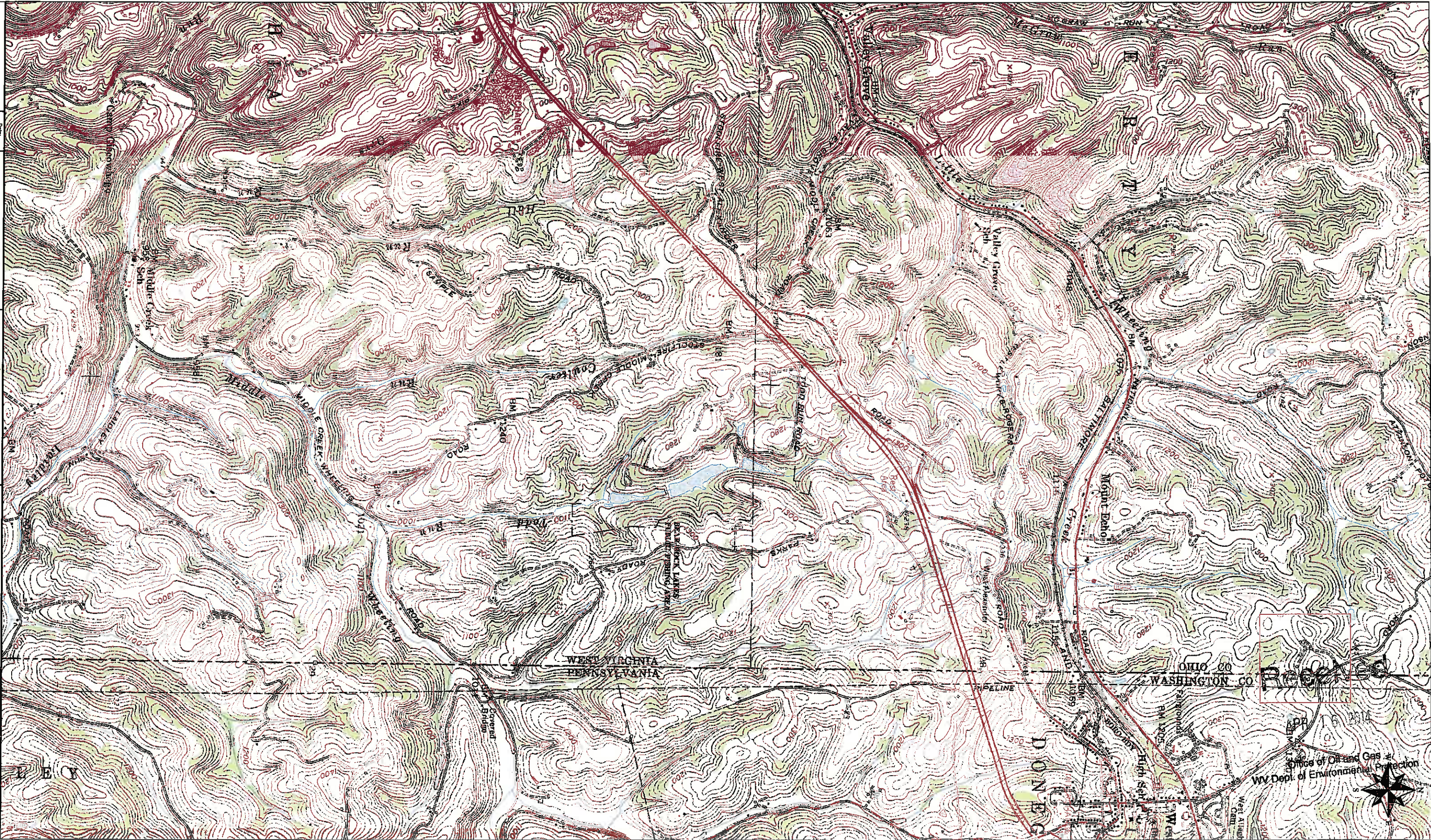
06/20/2014

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



ALLIANCE COAL LLC
TUNNEL RIDGE, LLC
 TRIAD, PHIA, WV

OCH PROPERTY
 GASWELL LOCATION MAP



06/20/2014

WW-7
8-30-06



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

API: 47-69-00040-P WELL NO.: 9026-A

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: 4,440,737

UTM GPS EASTING: 540,789 GPS ELEVATION: 414.5 m *1360 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.

John Duboy
Signature

Permitting Coordinator
Title

06/09/14
Date

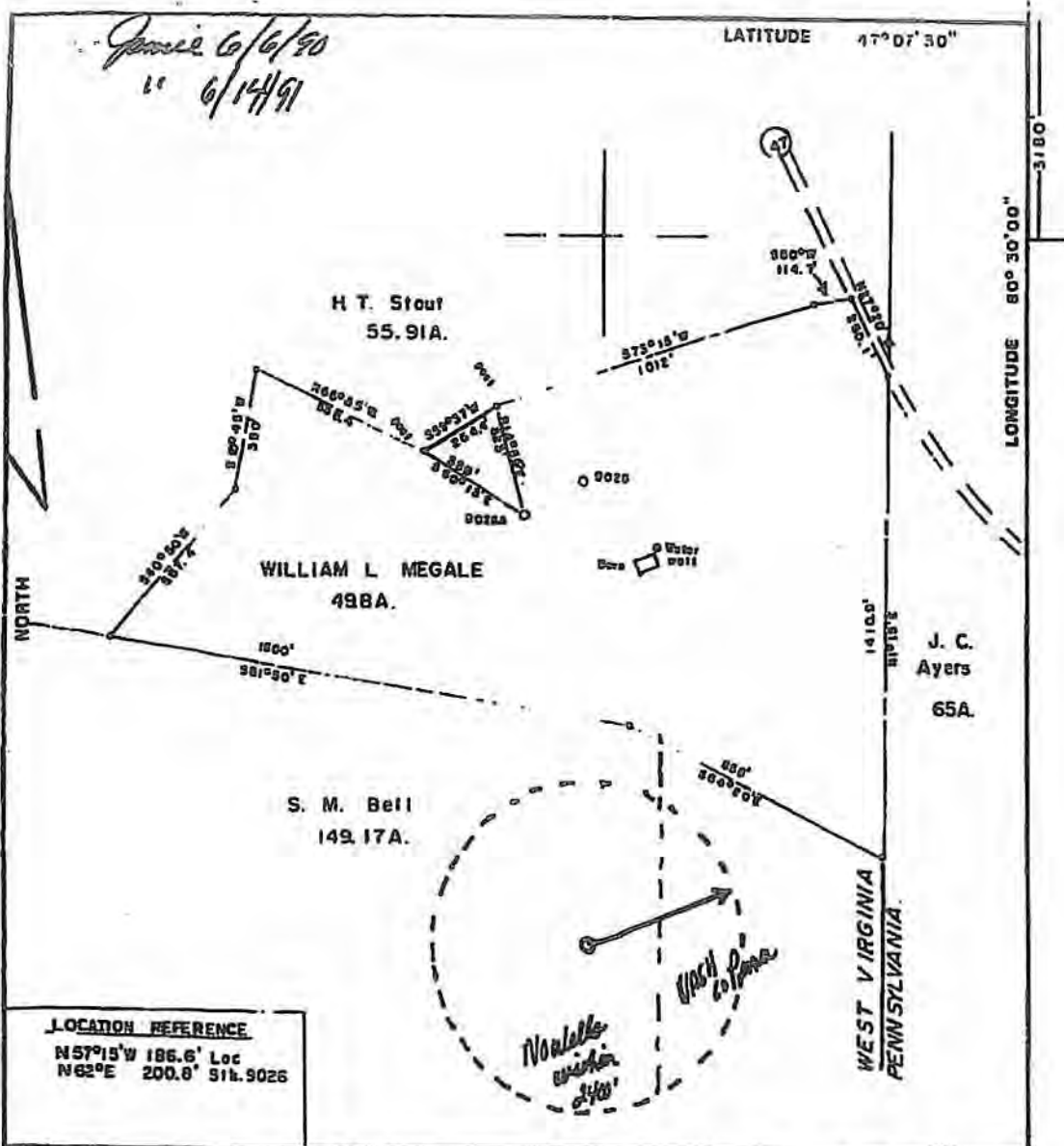
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JUN -9 2014
Office of Oil and Gas
Dept. of Environmental Protection

6900040 P

James 6/6/90
6/14/91

LATITUDE 47° 07' 30"

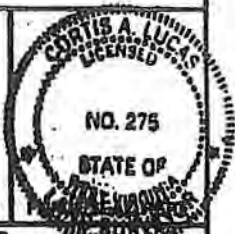
LONGITUDE 80° 30' 00"



LOCATION REFERENCE
 N 57° 15' W 186.6' Loc
 N 62° E 200.8' Sth. 9026

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION BM TT-6BR-1952
 ELEVATION 1520.0

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) L. L. S. 275
 R.P.E. L.L.S. 275



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MAY 7
 OPERATOR'S WELL NO. 8026 A
 API WELL NO. 47-069-0040-P
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___ CORE X
 (IF "GAS.") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1360 WATER SHED LITTLE WHEELING CREEK
 DISTRICT LIBERTY COUNTY OHIO
 QUADRANGLE VALLEY GROVE
 SURFACE OWNER WILLIAM L. MEGALE ACREAGE 49.8
 OIL & GAS ROYALTY OWNER WILLIAM L. MEGALE LEASE ACREAGE 49.8
 LEASE NO. 47-3866-UD
 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 R. O. BOX 386 ADDRESS P O BOX 249
 DUFFIELD VA 24246 BRIDGEPORT WV 26330

FORM IV-S 1B(78)

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06/20/2014