



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Wednesday, August 28, 2019
WELL WORK PLUGGING PERMIT
Vertical Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for 635
47-061-00416-00-00

This well work permit 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 any additional specific 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. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: 635
Farm Name: WRIGHT, D. R.
U.S. WELL NUMBER: 47-061-00416-00-00
Vertical Plugging
Date Issued: 8/28/2019

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.
4. This well is under a consent order and must be plugged under the terms of that agreement.

1) Date June 10, 2019
2) Operator's
Well No. 651836 DR Wright #635
3) API Well No. 47-061 - 00416 P

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

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

5) Location: Elevation 1290' Watershed Long Drain Run
District Clay County Monongalia Quadrangle Blacksville 7.5'

6) Well Operator EQT Production Company 7) Designated Agent Jason Ranson
Address 2400 Ansys Drive- Suite 200 Address 120 Professional Place
Canonsburg PA 15317 Bridgeport WV 26330

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Gayne J Knitowski Name HydroCarbon Well Service
Address PO Box 108 Address PO Box 995
Gormanian, WV 26720 Buckhannon WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:
See Attachment for details and procedures.

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WV Department 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 _____ Date _____

PLUGGING PROGNOS

651836

Wright #635

API# 47-061-00416

District, Clay

Monongalia County, WV

BY: R Green

DATE: 1/20/17

CURRENT STATUS:**TD @ 2208'****Elevation @ well not yet surveyed**

1290'

8 1/4" casing @ 1580'

6 5/8" casing @ 1976'

5 3/16" casing @ 2123'

2" tubing @ 2208' (Set on 2" X 5 3/16" packer @ 2127')

Fresh Water @ None reported**Saltwater @ None reported****Oil Show @ None reported****Gas shows @ None reported****Coal @ 765'to772'**

1. Notify inspector, Gayne J. Knitowski, @ 304-546-8171, 24 hrs. prior to commencing operations.
2. Release packer and TOOH 2" tubing and packer. **SPOT GEL.**
3. TIH to 2160', set 300' C1A cement plug 2160' to 1860'. WOC 8 hrs., Tag TOC, add additional C1A cement if necessary. (Big Injun Sand, 5 3/16" casing seat and 8 1/4" casing seat)
4. Free point 5 3/16" casing, cut casing @ free point. TOOH casing.
5. Set 100' C1A cement plug 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
6. Free point 6 5/8" casing, cut casing @ free point. TOOH casing.
7. Set 100' C1A cement plug 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
8. TOOH to elevation, set 100' C1A cement plug at elevation. *** Note not surveyed, elevation plug to be determined after survey completed.** **1290'**
9. TOOH to 1600', set 100' C1A cement plug 1600' to 1500'. (8 1/4" casing seat)
10. Free point 8 1/4" casing, cut casing @ free point. TOOH casing.
11. TOOH to 800', set 200' C1A cement plug 800' to 600'.
12. TOOH to 300', set 300' C1A cement plug 300' to surface.
13. Erect monument with API#, date plugged, company name, and company 6-digit ID#.
14. Reclaim location and road to WV-DEP specifications.

GEL SPACERS BETWEEN & BELOW PLUGS.

JWH

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Cement 300' to surface.

Cement 800' to 600'

Cement 100' @ 8 1/4" casing cut.

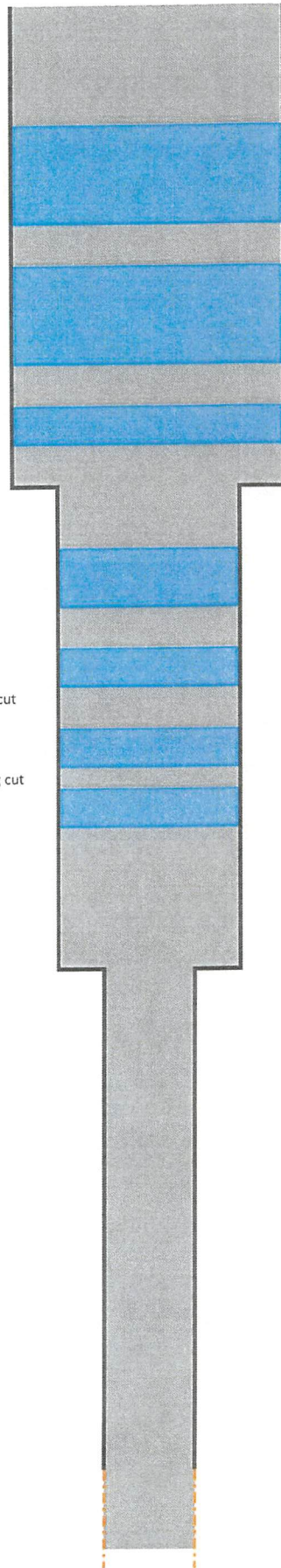
Cement 1600' to 1500'

Cement 100' @ elevation

Cement 100' @ 6 5/8" casing cut

Cement 100' @ 5 3/16" casing cut

Cement 2160' to 1860'



651386
Wright #635
API# 47-061-00416
Monongalia Co. WV

8 1/4" casing @ 1580'

6 5/8" casing @ 1976'

5 3/16" casing @ 2123'

2208'

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47-061-004169

CARNEGIE NATURAL GAS COMPANY

REPORT ON DEFFECTIVE WELL

Well No. **635**
 Name **D.K. Wright**
 Location **Washington**
 District **W**

ORIGINAL TEST TAKEN	ROCK	TEST TAKEN FOR THIS REPORT	ROCK
OPEN BLOW	WABER	OPEN BLOW	WABER

RECORD OF CASING AND TUBING IN THIS WELL:

18 INCH 10 INCH 8 1/4 INCH 1580 6 1/2 INCH 1076 5 1/2 INCH TUBING 2200 0 1/2 INCH

HISTORY OF WELL:

DEPTH OF PITTSBURGH COAL 765 ORIGINAL DEPTH 2208 PRESSURE DEPTH 2208

WELL PRODUCING GAS FROM SANDS AT DEPTHS OF CONDITION OF RIG GOOD

WELL HAS MADE BBL. OF OIL FROM Infill SAND. NOW MAKING NONE BBL. DAILY BY (now production)

AMOUNT OF CAVINGS IN HOLE AMOUNT OF WATER 1500 AMOUNT OF OIL NONE

DATE WELL CLEANED OUT: No record RESULT FOREMAN

DATE WELL STOP: No record SIZE OF STOP SAND RESULT

WHAT SHOULD BE DONE WITH WELL IN MY OPINION: Fish liner and run 5 3/16" casing with hook well packer to shut off water.

DATE: FOREMAN

I WOULD RECOMMEND:

DATE: DIVISION SUPERINTENDENT

INSTRUCTIONS FROM PITTSBURGH OFFICE:

DATE: GENERAL SUPERINTENDENT

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 WV Department of
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WW-4A
Revised 6-07

1) Date: June 10, 2019
2) Operator's Well Number
651836 DR Wright #635
3) API Well No.: 47 - 061 - 00416

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: (a) Name See Attached, Address, (b) Name, Address, (c) Name, Address
5) (a) Coal Operator Name, Address, (b) Coal Owner(s) with Declaration Name See Attached, Address, (c) Coal Lessee with Declaration Name, Address
6) Inspector Name: Gayne J Knitowski, Address: PO Box 108, Gorman, WV 26720, Telephone: 304-546-8171

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 EQT Production Company
By: Todd Klauer
Its: Regional Land Manager
Address: 2400 Ansys Drive, Suite 200
Canonsburg PA 15317
Telephone: (724) 271-7314



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Subscribed and sworn before me this 10th day of June 2019
Donna K. Larry Notary Public
My Commission Expires 8-23-2023
WV Department of Environmental Protection

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.

47-061-00416

651836 DR Wright #635

Owner(s) (Surface and Access)

William D Statler
578 Long Drain Rd
Core, WV 26541

Coal Owner(s)

Consolidation Coal Co C/O Murray American Energy Inc
46226 National Road
St. Clairsville, OH 43950

M Donald Wright Jr
8 Manchester Court
Berwyn, PA 19312-1863

Margaret Wright Krier
2209 Westfield Court
Lancaster, CA 93536-5232

Mary Wright Suskind a/k/a Elizabeth Wright Suskind
596 Yorkshire Dr
Newark, OH 40355

Potential Water Owner(s)

William Statler
578 Long Drain Rd
Core, WV 26541

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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name EQT Production Company OP Code 306686

Watershed (HUC 10) Long Drain Run Quadrangle Blacksville 7.5

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

Will a pit be used? Yes No

If so, please describe anticipated pit waste: Formation Fluids

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 20 ml

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- 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? If so, describe: _____

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. _____

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? _____

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

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

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

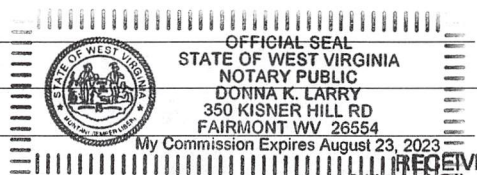
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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) Todd Klamer

Company Official Title Regional Land Manager



Subscribed and sworn before me this 10th day of June, 2019

Donna K. Larry Donna K. Larry Notary Public

My commission expires 8-23-2023

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Proposed Revegetation Treatment: Acres Disturbed 1± Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type (10-20-20) or equivalent

Fertilizer amount 1/3 ton lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Aslike Clover	5	Aslike Clover	5
Annual Rye	15		

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Comments: _____

Title: _____

Date: _____

Field Reviewed? () Yes () No

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47-061-004167

EQT Production Water plan
Offsite disposals

Waste Management - Meadowfill Landfill

Rt. 2, Box 68 Dawson Drive
Bridgeport, WV 26330
304-326-6027
Permit #SWF-1032-98
Approval #100785WV

Waste Management - Northwestern Landfill

512 E. Dry Road
Parkersburg, WV 26104
304-428-0602
Permit #SWF-1025 WV-0109400
Approval #100833WV

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Topo Quad: Blacks ville 7.5'

Scale: 1" = 200'

47-061-00416P

County: Monongalia

Date: May 16, 2019

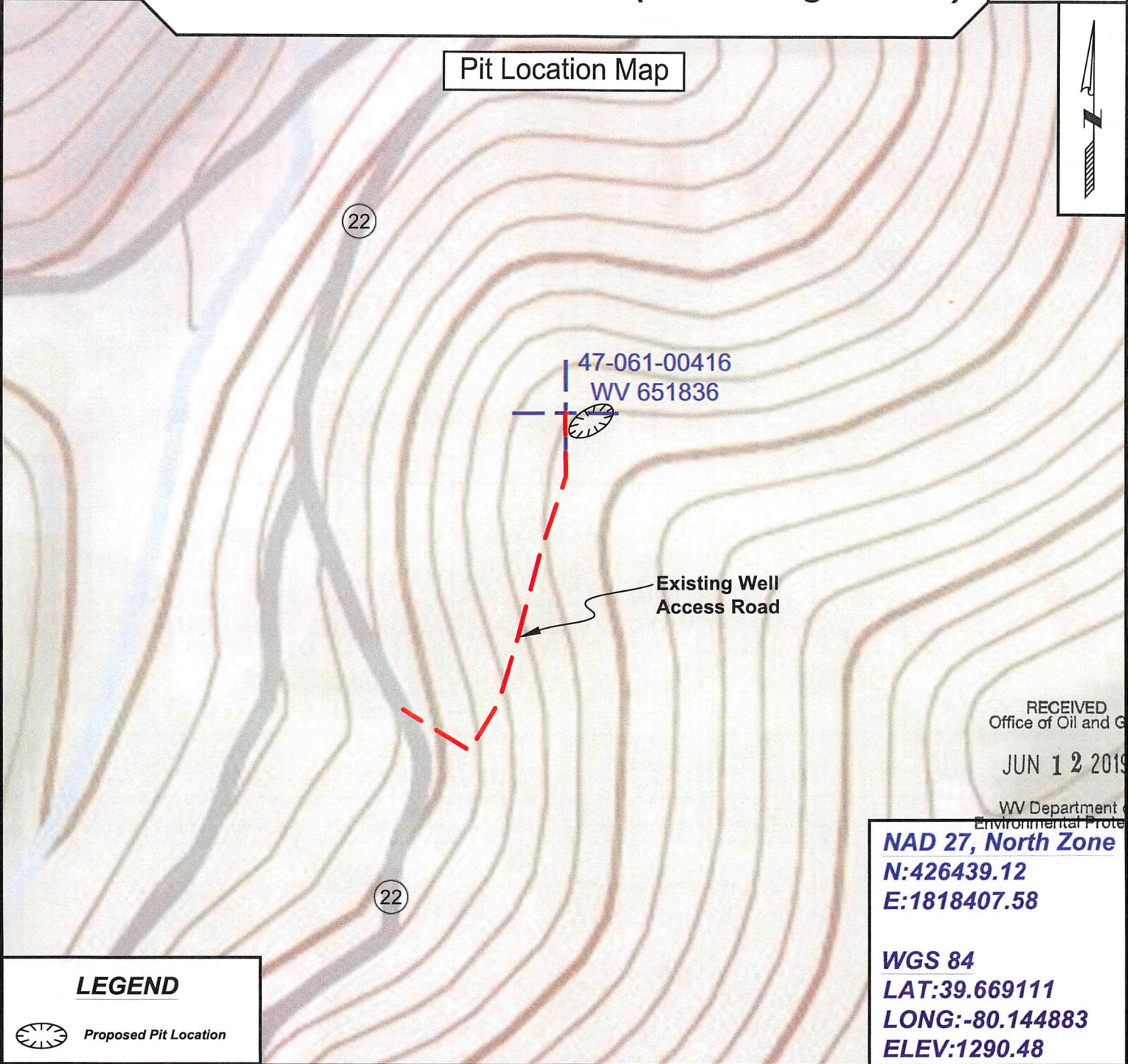
District: Clay

Project No: 72-20-00-08

47-061-00416 WV 651836 (D. R. Wright #635)

Topo

Pit Location Map



47-061-00416
WV 651836

Existing Well
Access Road

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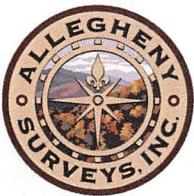
WV Department of
Environmental Protection

NAD 27, North Zone
N:426439.12
E:1818407.58

WGS 84
LAT:39.669111
LONG:-80.144883
ELEV:1290.48

LEGEND

 Proposed Pit Location



SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

1-800-482-8606
237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8606
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

2400 Ansys Drive, Suite 200
Canonsburg, PA 15317

Topo Quad: Blacksville 7.5'

Scale: 1" = 500'

47-061-00416 P

County: Monongalia

Date: May 16, 2019

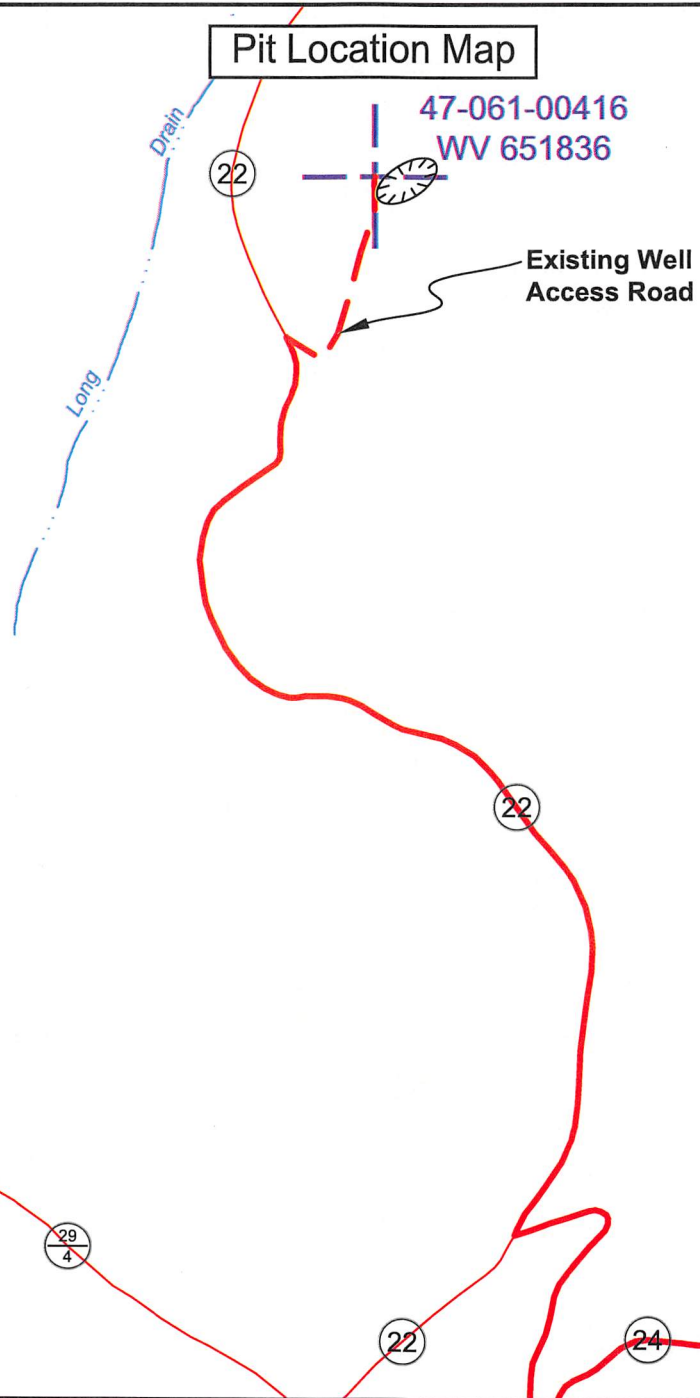
District: Clay

Project No: 72-20-00-08

Highway

47-061-00416 WV 651836 (D. R. Wright #635)

Pit Location Map



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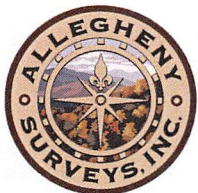
WV Department of
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N:426439.12
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 Proposed Pit Location



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PH: (304) 649-8606
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

2400 Ansys Drive, Suite 200
Canonsburg, PA 15317

Topo Quad: Blacksville 7.5'

Scale: 1" = 2000'

47-061-00416 P

County: Monongalia

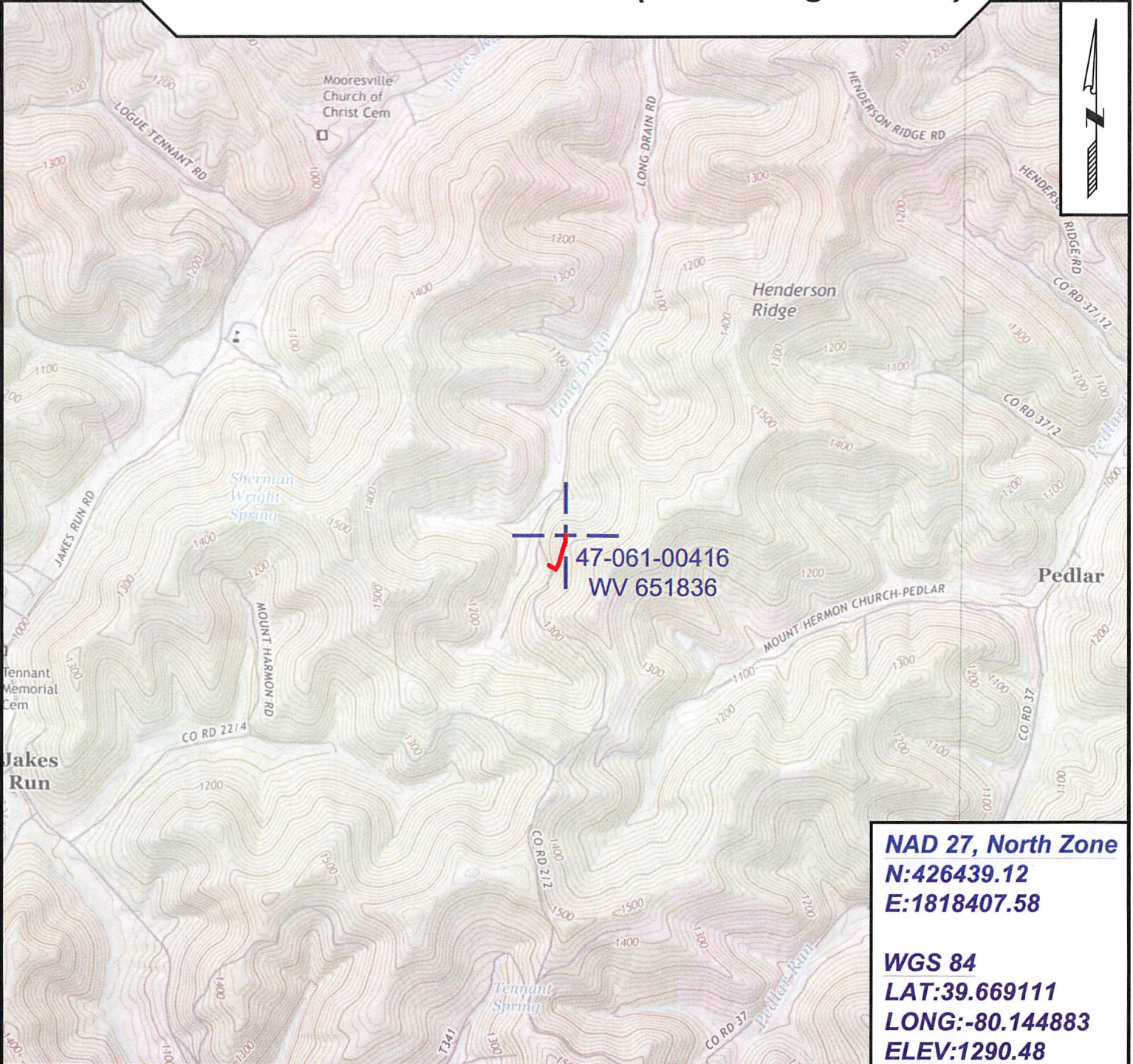
Date: May 16, 2019

District: Clay

Project No: 72-20-00-08

47-061-00416 WV 651836 (D. R. Wright #635)

Topo



47-061-00416
WV 651836

NAD 27, North Zone
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WGS 84
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237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8606
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

2400 Ansys Drive, Suite 200
Canonsburg, PA 15317

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WW-7
8-30-06



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

API: 47-061-00416 WELL NO.: WV 651836 (D. R. Wright #635)

FARM NAME: D. R. Wright

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Monongalia DISTRICT: Clay

QUADRANGLE: Blacksville 7.5'

SURFACE OWNER: William D. Statler, Sr.

ROYALTY OWNER: Shuman, Inc. and KKS Minerals, LLC

UTM GPS NORTHING: 4391382

UTM GPS EASTING: 573344 GPS ELEVATION: 393 m (1290 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 X : Post Processed Differential X
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.

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Office of Oil and Gas

JUN 12 2019

WV Department of
Environmental Protection


Signature

PS # 2180
Title

5/28/2019
Date