



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, July 10, 2019
WELL WORK PLUGGING PERMIT
Vertical Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700
PITTSBURGH, PA 15222

Re: Permit approval for 171
47-103-00795-00-00

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: 171
Farm Name: ROBINSON, GEMINA
U.S. WELL NUMBER: 47-103-00795-00-00
Vertical Plugging
Date Issued: 7/10/2019

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.

WW-4B
Rev. 2/01

1) Date April 17, 20 19
2) Operator's
Well No. 650416 Robinson #171
3) API Well No. 47-103 - 00795

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 1319' Watershed Traders Run
District Grant County Wetzel Quadrangle Folsom 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 Derek Haught Name HydroCarbon Well Service
Address PO Box 85 Address PO Box 995
Smithville, WV 26178 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.

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

Work order approved by inspector  Date 5-2-19



Site Pictures

Robinson #171

WV 650416 47-103-00795



WV 650416 Well ID Sign



WV 650416 Well Pad Site

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WV Department of
Environmental Protection

BIRCH RIVER OFFICE

237 Birch River Road
Birch River, WV 26610

phone: 304-649-8606 fax: 304-649-8608

BRIDGEPORT OFFICE

172 Thompson Drive
Bridgeport, WV 26330

phone: 304-848-5035 fax: 304-848-5037

CHARLESTON OFFICE

301 RHL Boulevard - Suite 5
Charleston, WV 25309

phone: 304-756-2949 fax: 304-756-2948

PLUGGING PROGNOSIS

Robinson 171 (650416)
Wetzel, WV
District, Grant
API # 47-103-00795-A

BY: Craig Duckworth
DATE: 4/17/19

CURRENT STATUS:

8 1/4" csg @ 1442' Left in well 426'
6 5/8" csg @ 2215
5 3/16" csg @ 2975'

Elevation @ 1300'

TD: 3199'

Fresh Water @ None Reported Coal @ 865'-869', 965'-969'
Saltwater @ 1860'
Gas shows @ 1465', 1727', 2255', 2903', 3065', 3154', 3194'
Oil shows @ None Reported

1. Notify State Inspector, **Derek Haught** 304-206-7613, 48 hrs. Prior to commencing operations.
2. Check TD w/wireline **340'**
3. TIH w/tbg to 3190', set ~~200'~~ C1A cement plug from 3190' to ~~2992'~~ **2850'**. (Gas show @ 3194', 3154', 3065'.) **& 2903'**
4. 6% Gel between all plugs.
5. TOOH w/tbg, Free point 5 3/16" csg (@ 2975'), cut csg @ free point, TOOH w/csg
6. Set 100' C1A cement plug 50' in/out of casing cut, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
7. TIH w/tbg to ~~2850'~~ gel hole ~~2850'~~ to 2300'.
8. TOOH w/tbg, Free point 6 5/8" csg (@ 2215'), cut csg @ free point, TOOH w/csg.
9. Set 100' C1A cement plug 50' in/out of casing cut, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
10. TIH w/tbg to 2300' set 200' C1A cement plug from 2300' to 2100', (6 5/8" csg)
11. TOOH w/tbg to 2100' gel hole 2100' to 1920'.
12. TOOH w/tbg to 1920', set 245' C1A cement plug, 1920' to 1675'. (Gas show @ 1727' and SW & 1860')

DMH
5-2-19

13. TOOH w/tbg to 1675' gel hole from 1675' to 1515'.
14. TOOH w/tbg to 1515', set 265' C1A cement plug, 1515' to 1250'(Elevation @ 1300' and gas show @1465')
15. TOOH w/tbg to 1250' gel hole from 1250' to 1000'.
16. TOOH w/tbg to 1000, set 335' C1A cement plug, 1000' to 665'(10' csg seat @ 715' & coal 965'-969' ,865'-869')
17. TOOH w/tbg to 665' gel hole from 665' to 200'.
18. TOOH w/tbg to 200', set 200' C1A cement plug, 200' to 0 surface
19. Erect monument with API#, Date plugged, EQT
20. Reclaim location and road to WV-DEP specifications.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47-103-00759

Permit No. WT 795-A

WELL RECORD

Oil or Gas Well (RIND)

Company Hope Natural Gas Company
Address 445 West Main St. Clarkburg, W. Va.
Farm Littleton Myers Acres 132
Location (waters) _____
Well No. 3800 Elev. 1300
District Grant County Wetzel
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced May 5, 1915
Drilling completed Sept. 9, 1915
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water none recorded feet _____ feet
Salt water 1860 feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
18			
10	715	Pulled	Size of
8 1/2	1442	426	
6 1/2	2215	2215	Depth set
5 3/16	2975	2975	
8			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

NOT CASING CEMENTED. SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT 865 FEET 48 INCHES
965 FEET 48 INCHES FEET INCHES
FEET INCHES FEET INCHES

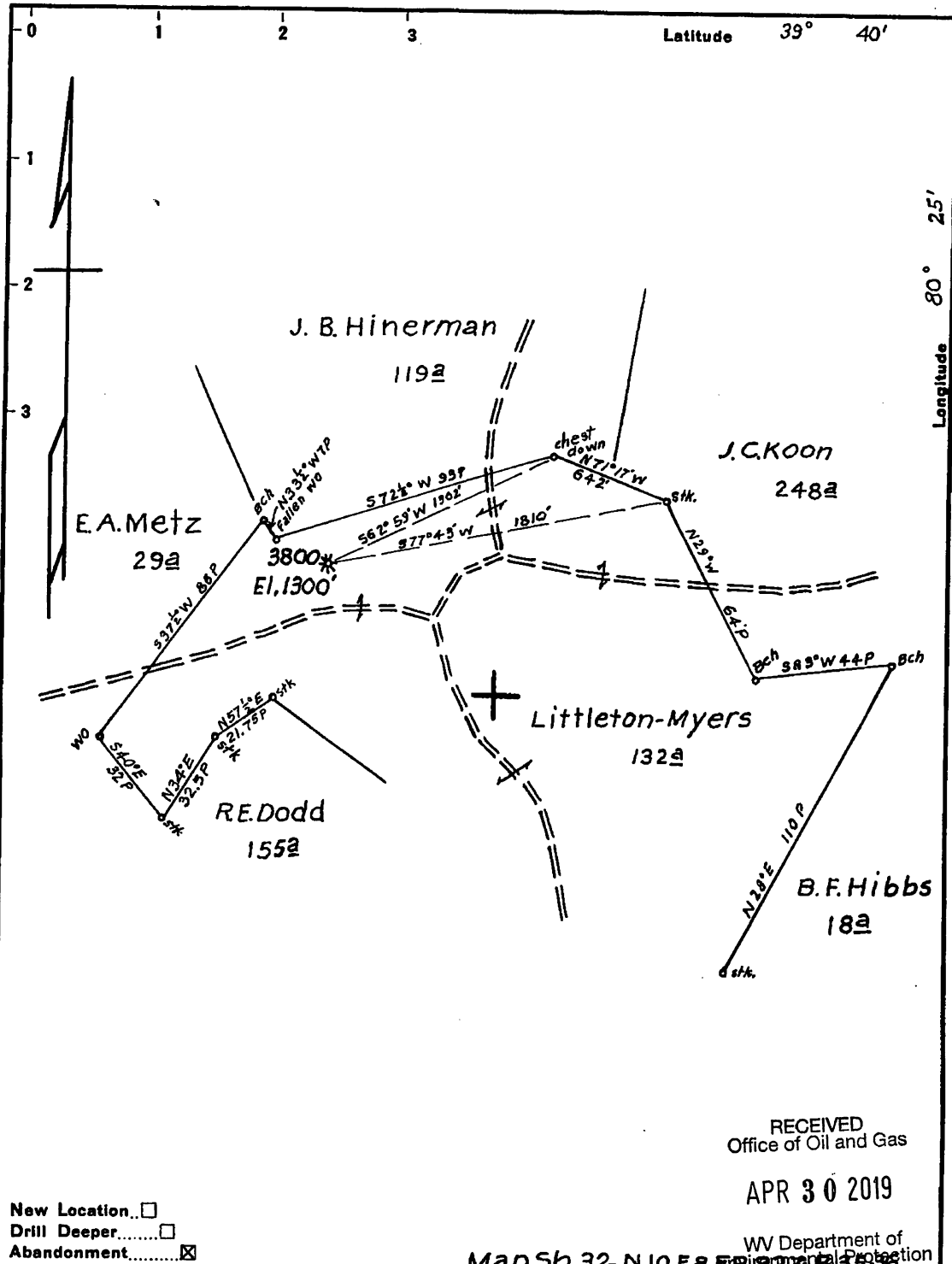
Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Native coal			865	869			
Pittsburgh Coal			965	969			
Little Dunkard			1310	1330			
Big Dunkard			1430	1490	show gas	1465	
Gas sand			1605	1675			
First Salt			1710	1800	show gas	1727	
Second Salt			1860	1965	water	1860	
Maxon			2090	2158			
Little Lime				2158			
Pencil cave			2158	2164			
Big Lime			2164	2246			
Big Injun			2246	2390	gas	2255	
Squaw			2393	2422			
Fifty foot			2900	2923	gas	2903	
Gordon			3049	3112	gas	3065 2087	
Fourth			3131	3161	gas	3154	
Fifth			3192		gas	3194	
Total depth				3199			

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New Location
Drill Deeper
Abandonment

Map Sh. 32-N 10 E 8 E B 10 21 P 35 36
WV Department of Environmental Protection

Company Hope Natural Gas Co
 Address Clarksburg, W. Va.
 Farm Littleton-Myers
 Tract _____ Acres 132 Lease No. 3207
 Well (Farm) No. _____ Serial No. 3800
 Elevation (Spirit Level) 1300'
 Quadrangle Mannington
 County Wetzel District Grant
 Engineer W.M. Bowers
 Engineer's Registration No. 900
 File No. _____ Drawing No. _____
 Date 3-16-49 Scale 1" = 40 P

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. Wet-795-A

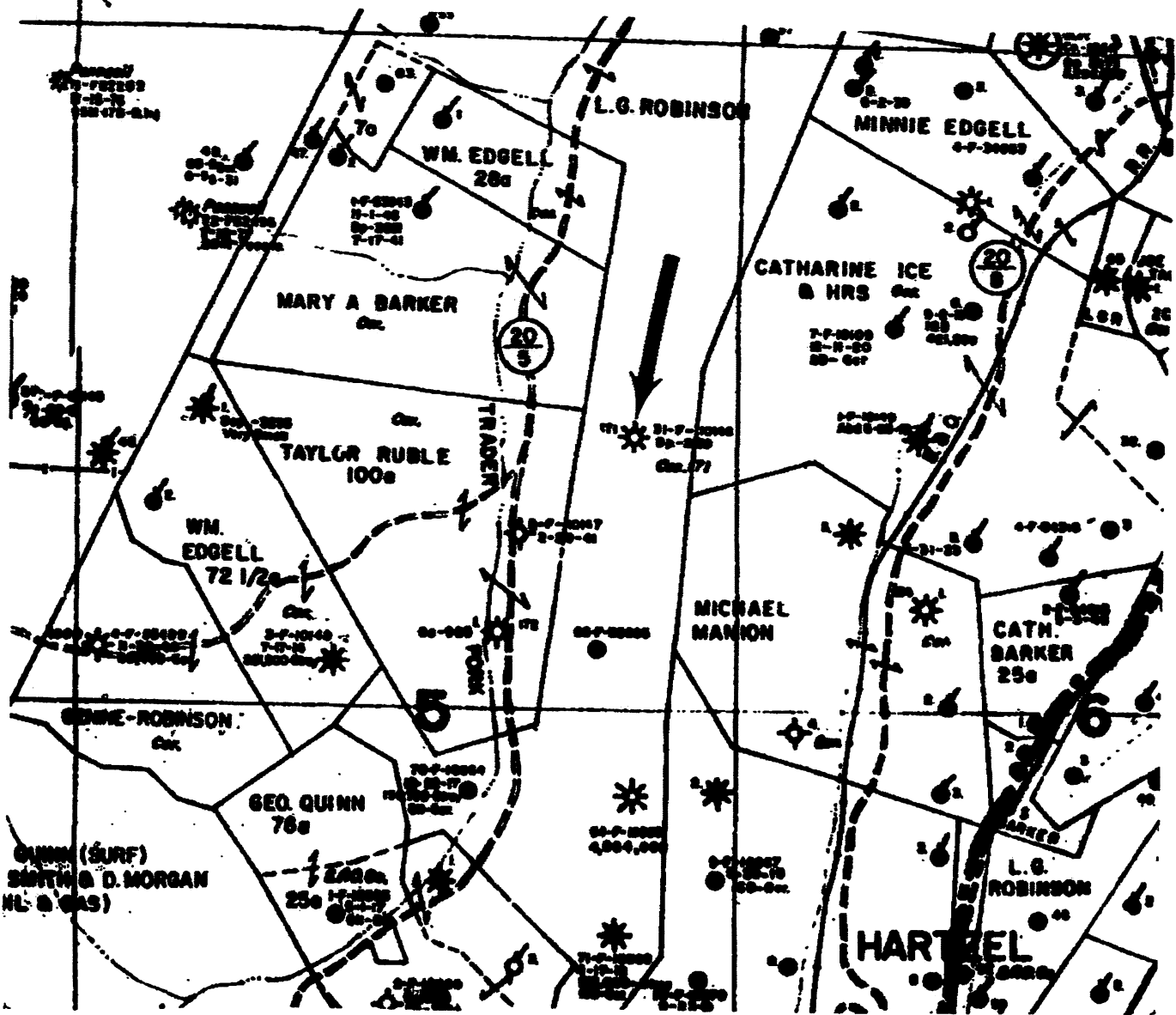
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

LATITUDE

LONGITUDE

NORTH



**FOR REFERENCE ONLY
NO PLAT AVAILABLE**

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WV Department of
Environmental Protection

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 ENERGY.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE 8-1, 19 95
 OPERATORS WELL NO. 171
 API WELL NO. 47 - 103 - 0795
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200
PROVEN SOURCE OF ELEVATION

FILE NO. _____
SCALE 1" = 1320'

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



47-103-00795 P

WW-4A
Revised 6-07

1) Date: April 17, 2019
2) Operator's Well Number
650416 Robinson #171

3) API Well No.: 47 - 103 - 00795

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>See Attached</u>	Name _____
Address _____	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attached</u>
(c) Name _____	Address _____
Address _____	Name _____
Address _____	Address _____
6) Inspector <u>Derek Haught</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 85</u>	Name _____
<u>Smithville, WV 26178</u>	Address _____
Telephone <u>304-206-7613</u>	_____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator	<u>EQT Production Company</u>	RECEIVED
By:	<u>Erin Spine</u> <i>[Signature]</i>	Office of Oil and Gas
Its:	<u>Regional Land Supervisor</u>	APR 30 2019
Address	<u>2400 Ansys Drive, Suite 200</u>	WV Department of
	<u>Canonsburg PA 15317</u>	Environmental Protection
Telephone	<u>(304) 848-0035</u>	

Subscribed and sworn before me this 17th day of April
Donna K. Larry *[Signature]*
 My Commission Expires 8-23-2023



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

47-103-00795P

Operator's Well
Number

650416 Robinson #171

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..."

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Office of Oil and Gas
APR 30 2019

WV Department of
Environmental Protection

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

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

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

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

API No.	47-103-00795 P
Farm Name	L.G. Robinson
Well No.	650416 Robinson #171

**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 _____ / 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: _____

By: _____ RECEIVED
Office of Oil and Gas

Its _____ APR 30 2019

WV Department of
Environmental Protection

47-103-00795

650416 Robinson #171

Owner(s) (Surface and Access)

Coastal Forest Resources Co /
PO Box 709
Buckhannon, WV 26201

Coal Owner(s)

Murray Energy Corporation /
46226 National Road
St. Clairsville, OH 43950

Coastal Forest Resources Co /
PO Box 709
Buckhannon, WV 26201

Potential Water Owner(s)

Christina Lemasters (Adams)
1230 Trader Fork Road
Folsom, WV 26348

Connie (Moore) Queen
1610 Moore Road #319
Avon, OH 44011

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APR 30 2019

WV Department of
Environmental Protection

47-103-007957

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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.

1. Article Addressed to:
 Coastal Forest Resources Co
 PO Box 709
 Buckhannon, WV 26201



9590 9402 3882 8060 5351 61

2. Article Number (Transfer from service label)
 7017 1450 0001 9216 6345

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type Priority Mail Express®

Adult Signature Registered Mail™

Adult Signature Restricted Delivery Registered Mail Restricted Delivery

Certified Mail® Return Receipt for Merchandise

Certified Mail Restricted Delivery Signature Confirmation™

Collect on Delivery Signature Confirmation Restricted Delivery

Collect on Delivery Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 658416 Robinson #171 Aug Domestic Return Receipt

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.

CERTIFIED MAIL®



7017 1450 0001 9216 6345
 7017 1450 0001 9216 6345

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com

OFFICIAL USE

Certified Mail Fee	\$	658416 Robinson #171 Postmark Here PEA
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$	
<input type="checkbox"/> Return Receipt (electronic)	\$	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	
<input type="checkbox"/> Adult Signature Required	\$	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	
Postage	\$	
Total Postage and Fees	\$	

Sent To Coastal Forest Resources Co.
 Street and Apt. No., or PO Box No. PO Box 709
 City, State, ZIP+4® Buckhannon, WV 26201

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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 Office of Oil and Gas
 APR 30 2019
 WV Department of
 Environmental Protection

47-103-00795P

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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.

1. Article Addressed to:

Murray Energy Corporation
 46226 National Road
 St. Clairsville, OH 43958



9590 9402 3882 8060 5351 47

2. Article Number (Transfer from service label)

7017 1450 0001 9216 6352

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X Agent
 Addressee

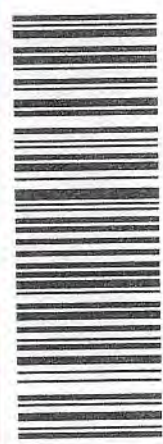
B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Mail Restricted Delivery (over \$500)
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 650416 Robinson #171 Plug Domestic Return Receipt

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE
CERTIFIED MAIL®



7017 1450 0001 9216 6352
7017 1450 0001 9216 6352

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

650416
 Robinson #171
 Postmark Here P&A

Sent To Murray Energy Co.
 Street and Apt. No., or PO Box No. 46226 National Rd.
 City, State, ZIP+4® St. Clairsville OH 43958

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

47-103-00295P

7017 1450 0001 9216 6345

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com™.

OFFICIAL USE

Certified Mail Fee \$	650416
Extra Services & Fees (check box, add fee as appropriate)	Robinson #171
<input type="checkbox"/> Return Receipt (hardcopy) \$	Postmark Here P&A
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To Street and Apt. No., or PO Box No.	Coastal Forest Resources Co. PO Box 709 Buckhannon, WV 26201

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7017 1450 0001 9216 6352

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com™.

OFFICIAL USE

Certified Mail Fee \$	650416
Extra Services & Fees (check box, add fee as appropriate)	Robinson #171
<input type="checkbox"/> Return Receipt (hardcopy) \$	Postmark Here P&A
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To Street and Apt. No., or PO Box No.	Murray Energy Co. 4226 National Rd. St Clairsville OH 43987

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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Office of Oil and Gas

APR 30 2019

WV Department of
Environmental Protection

WW-9
(5/16)

API Number 47 - 103 . 00795
Operator's Well No. 650416 Robinson #171

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) Traders Run Quadrangle Folsom 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 _____)

*DmH
5-2-19*

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) _____

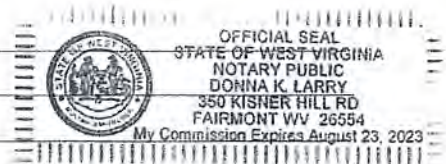
-Landfill or offsite name/permit number? _____

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 *Erin Spine*
Company Official (Typed Name) Erin Spine
Company Official Title Regional Land Supervisor



Subscribed and sworn before me this 17th day of April, 2019

Donna K. Larry Donna K. Larry Notary Public

My commission expires 8-23-2023

47-103-00795P

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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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: [Signature]

Comments:

Title: Oil + Gas Inspector Date: 5-2-19

Field Reviewed? (X) Yes () No

Topo Quad: Folsom 7.5'

Scale: 1" = 500'

47-103-00795P

County: Wetzel

Date: March 7, 2019

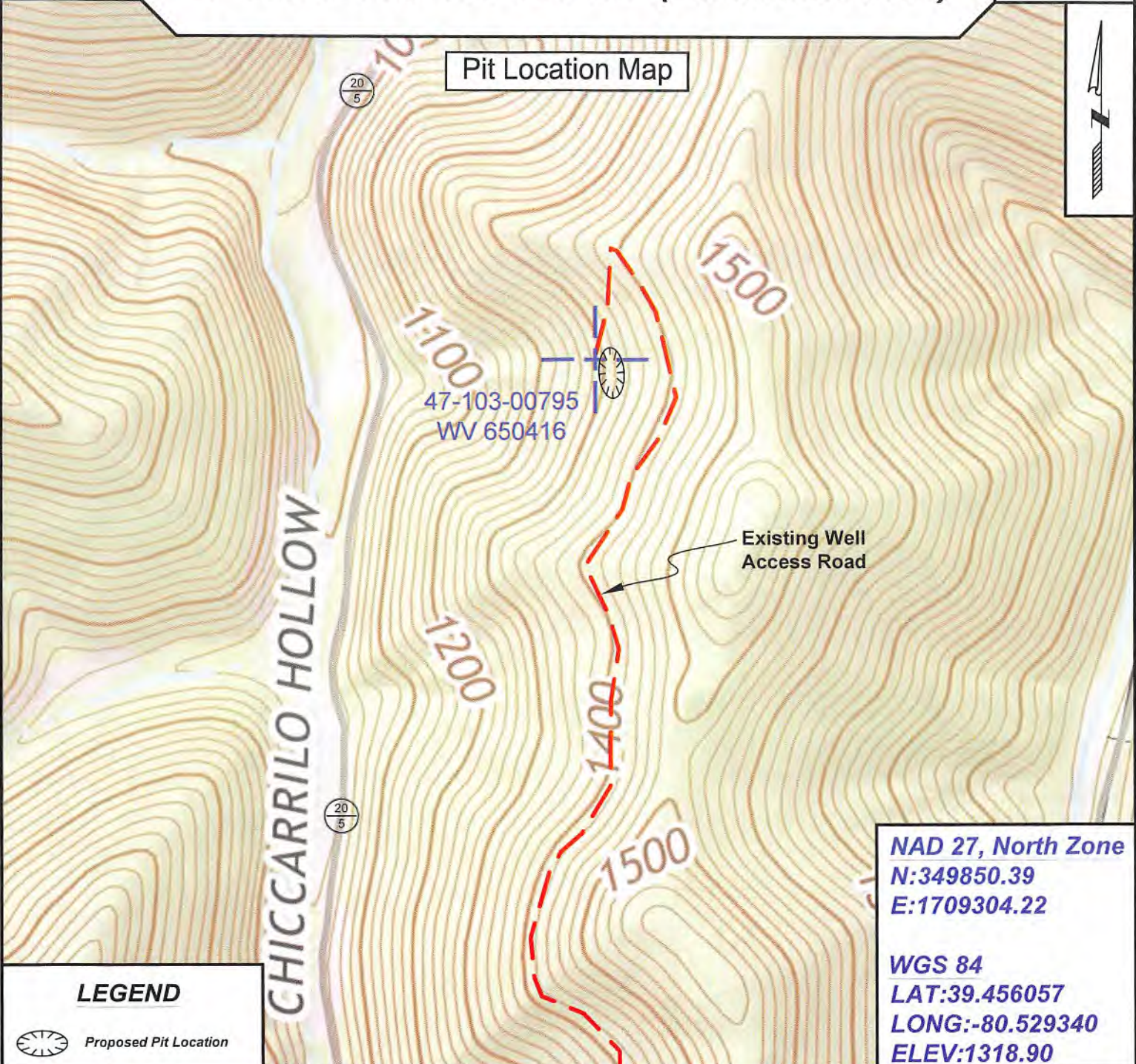
District: Grant

Project No: 40-34-00-09


47-103-00795 WV 650416 (Robinson #171)

Topo

Pit Location Map



LEGEND

 Proposed Pit Location

NAD 27, North Zone
N:349850.39
E:1709304.22

WGS 84
LAT:39.456057
LONG:-80.529340
ELEV:1318.90



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
Cannonsburg, PA 15317

Topo Quad: Folsom 7.5'

Scale: 1" = 1000'

47-103-00795

County: Wetzel

Date: March 7, 2019

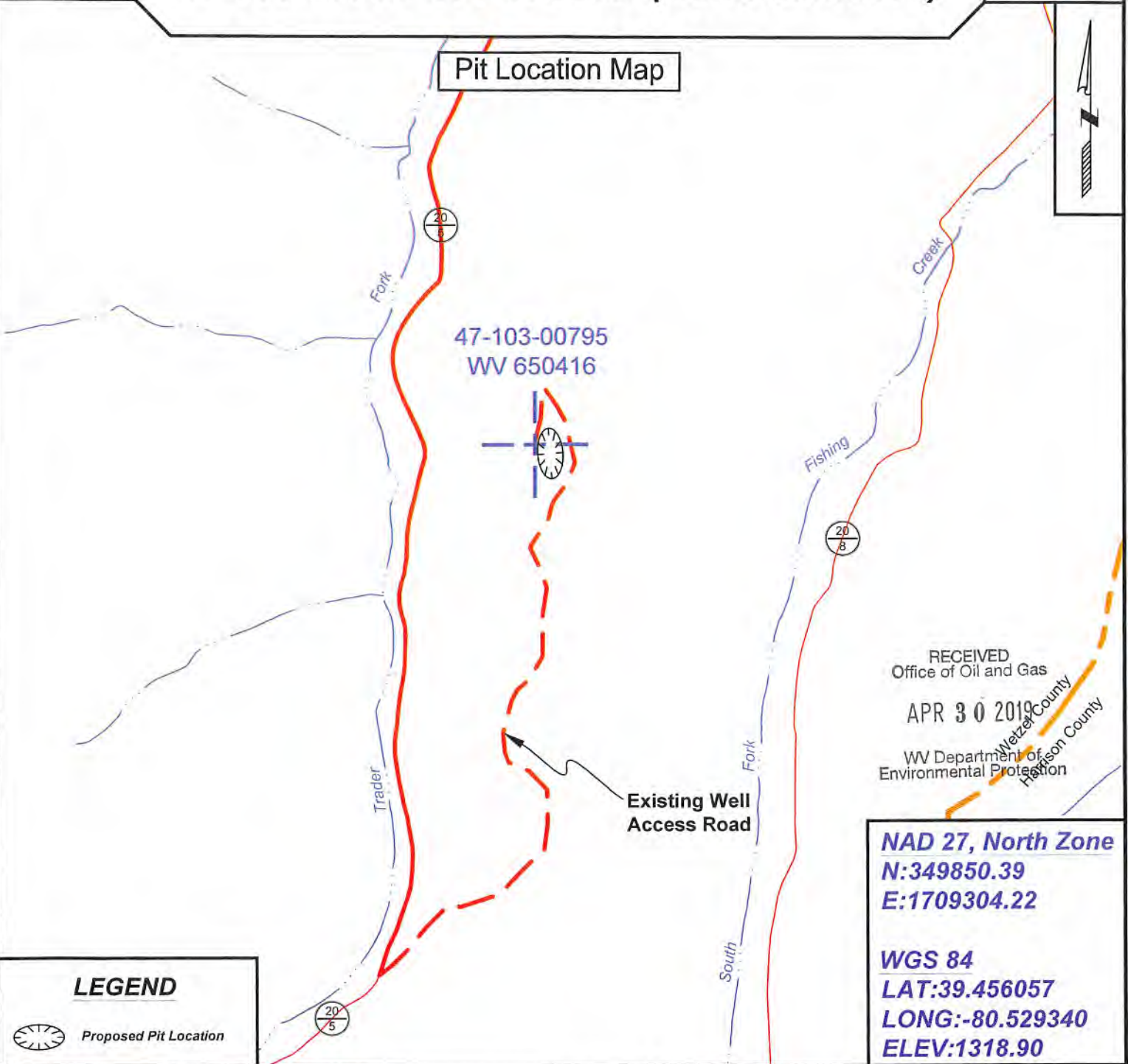
District: Grant

Project No: 40-34-00-09

Highway

47-103-00795 WV 650416 (Robinson #171)

Pit Location Map




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Wetzel County
Harrison County

NAD 27, North Zone
N:349850.39
E:1709304.22

WGS 84
LAT:39.456057
LONG:-80.529340
ELEV:1318.90

LEGEND

 Proposed Pit Location



SURVEYING AND MAPPING SERVICES PERFORMED BY:
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PREPARED FOR:
EQT Production Company
2400 Ansys Drive, Suite 200
Cannonsburg, PA 15317

Topo Quad: Folsom 7.5'

Scale: 1" = 2000'

47-103-00795P

County: Wetzel

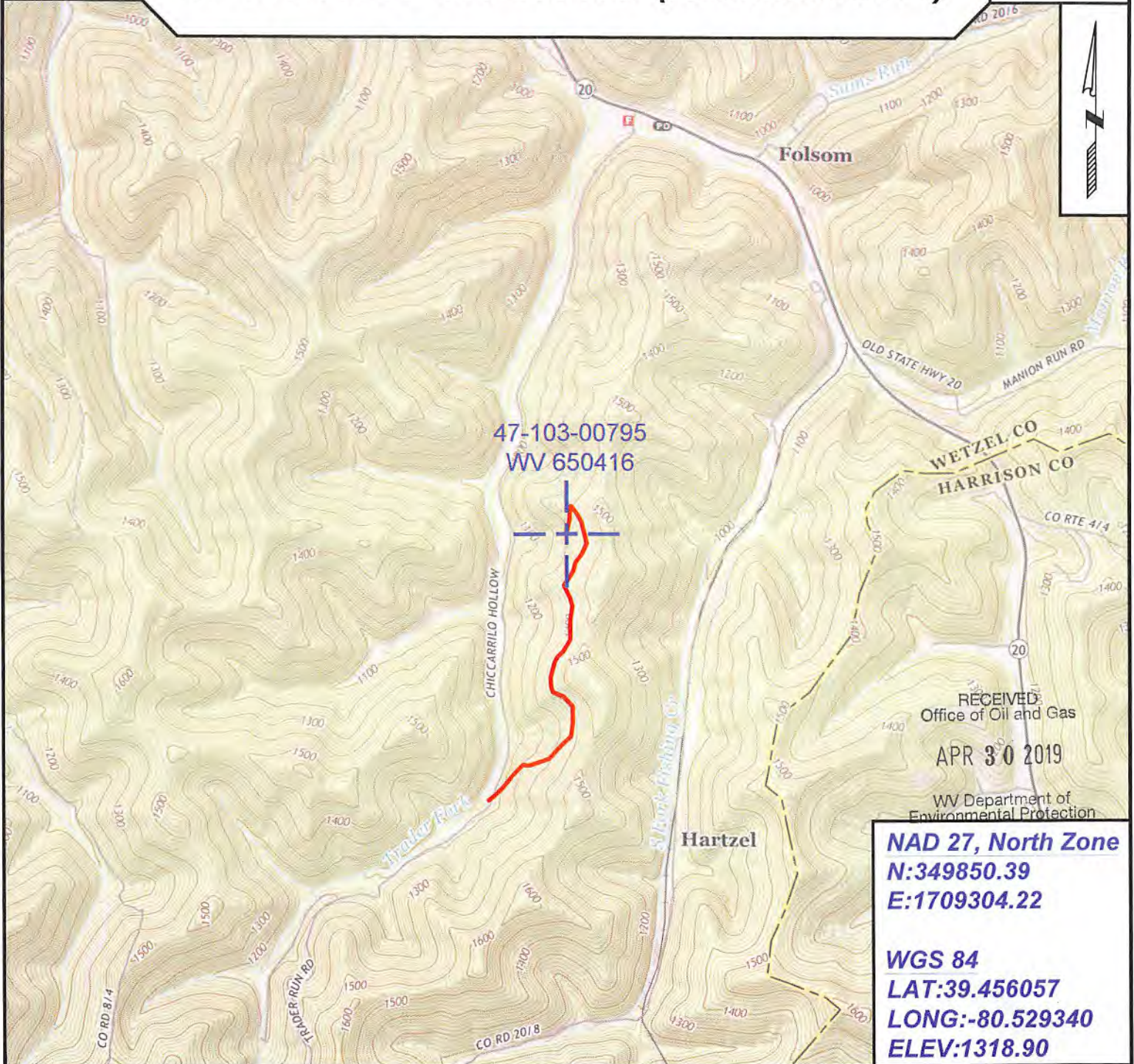
Date: March 7, 2019

District: Grant

Project No: 40-34-00-09

47-103-00795 WV 650416 (Robinson #171)

Topo



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Environmental Protection

NAD 27, North Zone
N:349850.39
E:1709304.22

WGS 84
LAT:39.456057
LONG:-80.529340
ELEV:1318.90



SURVEYING AND MAPPING SERVICES PERFORMED BY:
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FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

2400 Ansys Drive, Suite 200
Cannonsburg, PA 15317



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
LEASE NAME AND WELL No. Robinson #171 - WV 650416 - API No. 47-103-00795

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 808 +/- Owner: Christina Lemasters (Adams)
 Address: 1230 Trader Fork Road, Folsom, WV 26348 Phone No. 304-334-2225
 Comments: _____

Site: 2 Spacing: 920 +/- Owner: Connie (Moore) Queen
 Address: 1610 Moore Road #319, Avon, OH 44011 Phone No. 440-319-5392
 Comments: _____

Site: 3 Spacing: 924 +/- Owner: Connie (Moore) Queen
 Address: 1610 Moore Road #319, Avon, OH 44011 Phone No. 440-319-5392
 Comments: _____

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WV Department of
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BIRCH RIVER OFFICE

237 Birch River Road
Birch River, WV 26610
phone: 304-649-8606 fax: 304-649-8608

BRIDGEPORT OFFICE

172 Thompson Drive
Bridgeport, WV 26330
phone: 304-848-5035 fax: 304-848-5037

CHARLESTON OFFICE

301 RHL Boulevard - Suite 5
Charleston, WV 25309
phone: 304-756-2949 fax: 304-756-2948

Topo Quad: Folsom 7.5'

Scale: 1" = 2000'

47-103-00795 P

County: Wetzel

Date: March 7, 2018

District: Grant

Project No: 40-34-00-09

Water

47-103-00795 WV 650416 (Robinson #171)

3 Potential Water Sources within 1000'



SURVEYING AND MAPPING SERVICES PERFORMED BY:
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 237 Birch River Road
 Birch River, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:

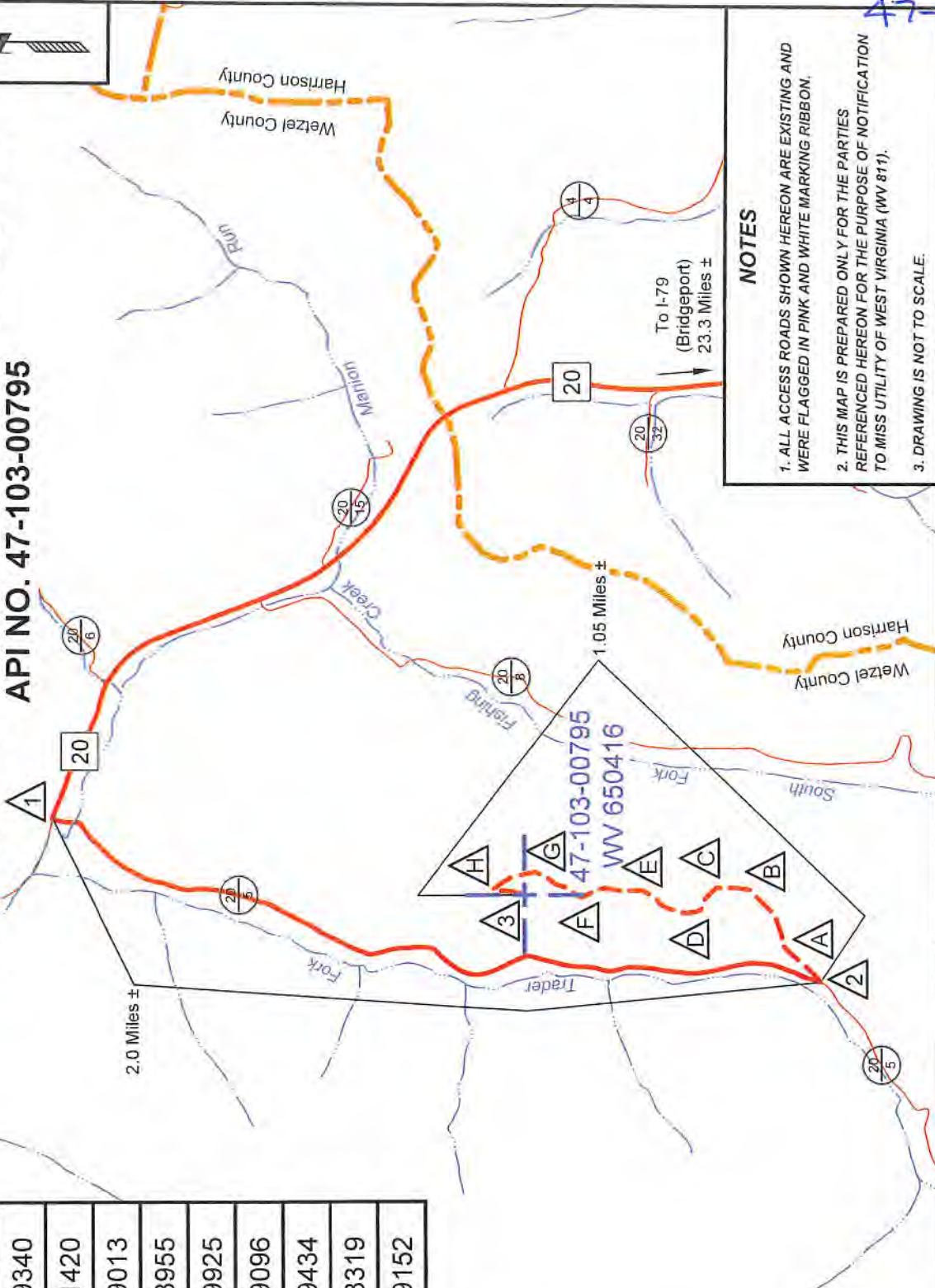
EQT Production Company

2400 Ansys Drive, Suite 200
 Cannonsburg, PA 15317

**MISS UTILITY OF WEST VIRGINIA (WV 811)
(EXHIBIT B)**

**DIRECTIONS TO EXISTING GAS WELL NO. WV 650416
API NO. 47-103-00795**

SITE	LATITUDE	LONGITUDE
1	39.472432	-80.526194
2	39.445768	-80.533126
3	39.456057	-80.529340
A	39.447131	-80.531420
B	39.448243	-80.529013
C	39.449405	-80.528955
D	39.449932	-80.529925
E	39.451968	-80.529096
F	39.454078	-80.529434
G	39.455704	-80.528319
H	39.457129	-80.529152



NOTES

1. ALL ACCESS ROADS SHOWN HEREON ARE EXISTING AND WERE FLAGGED IN PINK AND WHITE MARKING RIBBON.
2. THIS MAP IS PREPARED ONLY FOR THE PARTIES REFERENCED HEREON FOR THE PURPOSE OF NOTIFICATION TO MISS UTILITY OF WEST VIRGINIA (WV 811).
3. DRAWING IS NOT TO SCALE.

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WV Department of
Environmental Protection

PREPARED FOR:

EQT Production Company
2400 Ansys Drive, Suite 200
Cannonsburg, PA 15317

County:	Wetzel
District:	Grant
Date:	March 7, 2019
Project No.:	40-34-00-09
File Name:	WV 650416 Robinson

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



47-103-00795 P



Miss Utility of West Virginia (WV811)

(Exhibit A)

Directions to Gas Well No. WV 650416

API No. 47-103-00795

- Beginning at the intersection of US Interstate 79 Exit 119 (Clarksburg/Bridgeport) and US Route 50 in Harrison County, WV.
- Proceed Northwest on US Route 50, for approximately 5.9 miles, to WV County Route 9 (Wilsonburg Road), on the right.
- Exit right onto WV County Route 9 (Wilsonburg Road) and proceed Northwest, for approximately 6.9 miles, to the intersection with WV State Route 20.
- Turn left onto WV State Route 20 and proceed Northwest, for approximately 12.0 miles, to WV County Route 20/8, on the left. *(Point No. 1)*
- Turn left onto WV County Route 20/8 and proceed Southwest, for approximately 0.4 mile, to the Well Access Road, on the right. *(Point No. 2)*
- Turn right onto the Well Access Road and proceed Southwest, for approximately 0.89 mile, arriving at Gas Well WV 650416. *(Point No. 3)*

BIRCH RIVER OFFICE

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Birch River, WV 26610

phone: 304-649-8606 fax: 304-649-8608

BRIDGEPORT OFFICE

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Bridgeport, WV 26330

phone: 304-848-5035 fax: 304-848-5037

CHARLESTON OFFICE

301 RHL Boulevard - Suite 5
Charleston, WV 25309

phone: 304-756-2949 fax: 304-756-2948



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

API: 47-103-00795 WELL NO.: WV 650416 (Robinson #171)

FARM NAME: L. G. Robinson

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Wetzel DISTRICT: Grant

QUADRANGLE: Folsom 7.5'

SURFACE OWNER: Coastal Forest Resources Company

ROYALTY OWNER: Douglas A. Broome Estate and ED Broome Inc.

UTM GPS NORTHING: 4367493

UTM GPS EASTING: 540492 GPS ELEVATION: 402 m (1319 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 _____

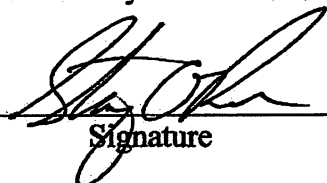
4. Letter size copy of the topography map showing the well location.

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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WV Department of
Environmental Protection


Signature

PS# 2180
Title

3/8/2019
Date

47-103-00795 P



EQT Production Company
2400 Ansys Drive, Suite 200
Canonsburg, PA 15317
www.eqt.com

Becky Shrum
Landman - Permitting
O: 724-271-7314
C: 412-660-0654
bshrum@eqt.com

April 26, 2019

Via FedEx

West Virginia Department of Environmental Protection
Office of Oil and Gas
Attn: Jeff McLaughlin
601 57th Street, S.E.
Charleston, WV 25304

RE: Application for a Permit to Plug & Abandon
650416 Robinson #171
API 47-103-00795
Grant District, Wetzel County, WV

WVDEP Recipient,

Attached is EQT Production Company's application for a permit to plug and abandon for the well referenced above.

EQT Production trusts that if any portion of the submitted documentation is found to be inadequate for processing the permit, notification will be made to our land department at your earliest convenience. It is EQT Production's intent to cooperate fully to provide any additional requested documentation and clarification in a timely manner such that permitting proceeds in a predictable and logical manner.

Best Regards,

A handwritten signature in blue ink, appearing to be 'BS' or 'BShrum', written in a cursive style.

Becky Shrum
Landman - Permitting
bshrum@eqt.com
724-271-7314

WV Department of
Environmental Protection

APR 30 2019

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Office of Oil and Gas



2400 Ansys Drive - Suite 200
 Canonsburg PA 15317
 (304) 848-0035

CERTIFIED MAIL

Dear Sir or Madam

Re: Proposed 650416 Robinson #171 Gas Well

Grant District, Wetzel County,

Pursuant to Section 22B-1-9 of the West Virginia Code, enclosed please find copies of the following documents:

- | | |
|-------------------------------------|---|
| <input type="checkbox"/> Form WW-4A | Notice of Application for a Plugging Permit (1 copy) |
| <input type="checkbox"/> Form WW-4B | Application for a Plugging Permit (1 copy) |
| <input type="checkbox"/> Form WW-7 | Certified Copy of WVDEP Well Location |
| <input type="checkbox"/> Form WW-9 | Reclamation Plan and Site Registration Application (1 copy) |

This application is being filed by EQT Production with the Administrator of the Office of Oil and Gas of the West Virginia Department of Environmental Protection. If you have no objections to this well being plugged, please sign the Waiver on Form WW-4(A) and return one copy to our office.

Thank you for your cooperation and consideration. Should you have any questions, comments, or require any additional information, please feel free to contact Becky Shrum at (724) 271-7314.

Sincerely,
 EQT PRODUCTION COMPANY

Erin Spine
 Regional Land Supervisor- WV

Enclosures

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WV Department of
 Environmental Protection