



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, June 13, 2018
WELL WORK PLUGGING PERMIT
Vertical Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for 4983
47-017-02107-00-00

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

A handwritten signature in blue ink, appearing to read 'James A. Martin', is positioned to the right of the printed name and title.

Operator's Well Number: 4983
Farm Name: RYMER
U.S. WELL NUMBER: 47-017-02107-00-00
Vertical Plugging
Date Issued: 6/13/2018

Promoting a healthy environment.

H

17-02107P

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 May 21, 2018
2) Operator's
Well No. 604983 Rosa B. Rymer #4983
3) API Well No. 47-017 - 02107

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

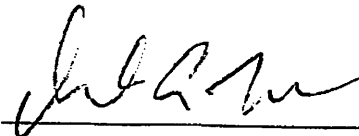
5) Location: Elevation 994 Watershed Camp Run of Middle Fork Of Hughes River
District Southwest County Doddridge Quadrangle Oxford

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 Daniel Flack Name HydroCarbon Well Service
Address 58 Rive Road Address PO Box 995
Buckhannon WV 26201 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 6/4/18

PLUGGING PROGNOSIS

R.B.Rymer# 4983 (604983)

Doddridge Co., West Virginia

API # 47-017-02107

District Southwest

BY: R. Green

DATE: 01/28/15

CURRENT STATUS:

10" csg @ 282'

8 1/4" csg @ 969'

6 5/8" csg @ 1695'

TD@ 2502'

Fresh Water @ 190' Salt Water @ None reported
 1st Salt Sand @ 1167' Coal @ None reported
 Gas Shows @ 1385' (2nd Salt Sand), 1753' (Big Injun Sand), 2368' (Gordon Sand)
 Oil Shows @ None Reported
 Elevation: Not Reported

Daniel Flack 304-545-0109

1. Notify State Inspector, ~~Douglas Newton 304-932-8049~~, 24 hrs. Prior to commencing operations.
2. TIH w/ tbg to 2450', gel hole to 1785'.
3. TOOH tbg to 1785', set 140' CIA cement plug 1785' to 1645' (gas shows , & 7" casing seat)
4. TIH tag top of plug, add additional CIA if necessary.
5. TOOH tbg 1645', gel hole to next plug TOOH tbg.
6. RIH free point 7" casing, cut 7" casing @ free point. (Est @ 1600') TOOH Csg
7. Set 100' CIA cement plug 50' in/out of cut. Perforate all Salt Sands, freshwater, coal, and oil & gas shows below cut. Do not omit any plugs.
8. TOOH tbg to 1168', Set 250' CIA cement plug 1168' to 919' (8 1/4" casing seat gas shows & 1st Salt Sand)
9. TOOH tbg to 919', gel hole to next plug TOOH tbg.
10. RIH free point 8 1/4" casing, cut 8 1/4" casing @ free point. (Est @ 750') TOOH Csg
11. Set 100' CIA cement plug 50' in/out of cut. Perforate all Salt Sands, freshwater, coal, and oil & gas shows below cut. Do not omit any plugs.
12. TOOH tbg to 600', set 100' CIA cement plug 600' to 500' (safety plug).
13. TOOH tbg to 500' gel hole to 350'.
14. TOOH tbg to 350' set CIA cement plug 350' to surface.
15. Erect monument with API#.
16. Reclaim location, road to WV-DEP specifications.

DLR
 01/28/15

604983
47-017-02107

17021074



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. _____ Oil or Gas Well **"GAS"**
(INDS)

Company Pittsburgh & West Va Gas Company.
 Address Clarksburg, West Va.
 Farm Rosa B. Rymor Acres _____
 Location (waters) Holbrook N/W. A-1
 Well No. 4983 Elev. _____
 District _____ County _____
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced June 10th, 1930
 Drilling completed July 14th, 1930
 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 _____ feet _____ feet
 Salt water _____ feet _____ feet

Casing and Tubing _____
 Used in Drilling _____
 Left in Well _____
 Packers _____
 Size _____
 Kind of Packur _____
 18 _____
 10 _____ 282' 282' Size of _____
 8 1/4 _____ 969' 969'
 6 3/4 _____ 1693' 1693' Depth set _____
 5 3/16 _____
 2 _____ Perf. top _____
 2 _____ Perf. bottom _____
 Liners Used _____ Perf. top _____
 _____ Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Data _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock		Soft	0	35			
Slate	White	"	35	90			
Lime	"	Hard	90	110			
Slate	"	Soft	110	123			
Red Rock	Soft Red	"	123	163			
Sand	White	Soft	163	235	Water	190'	
Slate	"	"	235	320			
Lime	"	Hard	320	440			
Red Rock	Red	Soft	440	460			
Lime	White	Gritty-Hard	460	476			
Red Rock	Red	Soft	476	533			
Lime	White	Hard	533	678			
Red Rock	Red	Soft	678	733			
Lime	White	Hard	733	770			
Slate	"	Soft	770	845			
Little Dunkard	"	Hard	845	903			
Slate	"	Soft	903	959			
Big Dunkard	"	Hard	959	994			
Slate	"	Soft	994	1020			
Gas Sand	"	Hard	1020	1063			
Slate	Dark	Soft	1063	1167			
1st. Salt Sand	White	Hard	1167	1181	Gas	1163-1173'	
Slate	Dark	Soft	1181	1340			
2nd. Salt Sand	White	Hard	1340	1430			
Slate	Dark	Soft	1430	1503			
3rd. Salt Sand	White	Hard	1503	1572			
Slate	Dark	Soft	1572	1623			
Little Lime	White	Hard	1623	1645			
Slate	"	Soft	1645	1650			
Blue Monday	Sand Wh.	Hard	1650	1672			
Slate	White	Soft	1672	1683			
Lime-Sig	"	Hard	1683	1737			
Big Injun Sand	"	Soft-Hard	1737	1827	Gas	1770-1772'	
Slate & Shells	White	Soft	1827	1963	Gas	1780-1785'	
Berea Crst	"	Hard	1963	2070			
Slate	Dark	Soft	2070	2361			
Gordon Stray	White	Hard	2361	2370			
Slate	"	Soft	2370	2440			
Pink Rock	Pink	"	2440	2450			

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REGDAS PROVIDED BY 00#G

Form No. 017-2107

DOD - 25

PITTSBURGH & WEST VA GAS CO. Company

COMPLETION DATA SHEET

CLARKSBURG, WEST VA. Address

NO. 2

Well No. 4983, Rosa B. Rymer farm, DOD-25

FORMATION RECORD

Southwest Dist., Doddridge Co., W. Va.

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks	
Red Rock	Red	Soft		1	35	34	35		
Slate	White	"		35	90	55	90		
Lime	"	Hard		90	110	20	110		
Slate	"	Soft		110	125	15	125		
Red Rock	Red	"		125	165	40	165		
Sand	White	"	Water 190	165	235	70	235	1 Bailor	
Slate	"	"		235	320	85	320		
Lime	"	Hard		320	440	120	440		
Red Rock	Red	Soft		440	460	20	460		
Lime	White	Hard		460	474	14	474		
Red Rock	Red	Soft		474	555	81	555		
Lime	White	Hard		555	678	123	678		
Red Rock	Red	Soft		678	755	77	755		
Lime	White	Hard		755	770	15	770		
Slate	"	Hard Soft		770	845	75	845		
L. Dunkard	"	Hard		845	905	60	905		
Slate	"	Soft		905	959	54	959	S.L. 969'	
Big Dunkard	"	Hard		959	994	35	994		
Slate	"	Soft		994	1020	26	1020		
Gas Sand	"	Hard		1020	1065	45	1065		
Slate	Dark	Soft		1065	1167	102	1167		
1st. Salt	White	Hard	Gas 1168-78	1167	1181	14	1181	S.L. 1169'	
Slate	Dark	Soft		1181	1360	179	1360	S.L. 1360'	
2nd. Salt	White	Hard		1360	1430	70	1430		
Slate	Dark	Soft		1430	1503	73	1503		
3rd. Salt	White	Hard		1503	1572	69	1572		
Slate	Dark	Soft		1572	1623	51	1623		
L. Lime	White	Hard		1623	1645	22	1645		
Slate	"	Soft		1645	1650	5	1650		
Sand	"	Hard		1650	1672	22	1672	Blue Monday	
Slate	"	Soft		1672	1680	8	1680		
Big Lime	"	Hard		1680	1737	57	1737		
Big Injun	"	"	Gas 1770-72	1737	1827	90	1827	S.L. 1772'	
Slate-Shell	"	Soft	" 1780-82	1827	1965	138	1965		
Berea Grit	"	Hard		1965	2070	105	2070		
Slate	Dark	Soft		2070	2361	291	2361		
Gordon Stray	White	Hard		2361	2370	9	2370	S.L. 2367'	
Slate	"	Soft		2370	2440	70	2440		
Pink Rock	Pink	"		2440	2450	10	2450		
Slate-Shell	Dark	Soft&Hard		2450	2502	52	2502		
TOTAL DEPTH							-----	2502	

shot
Well was ~~shot~~ at Big Injun 1784 feet; well was shot at Big Injun 1775 feet.

~~Salt~~
Fresh water at 190' salt
feet; fresh water at _____ feet.

producing
Well was 6-5/8 hole.
~~xxxx~~

PITTSBURGH & WEST VA GAS COMPANY.

August 13th, 1930.

Approved

By,

Owner Superintendent.

Date

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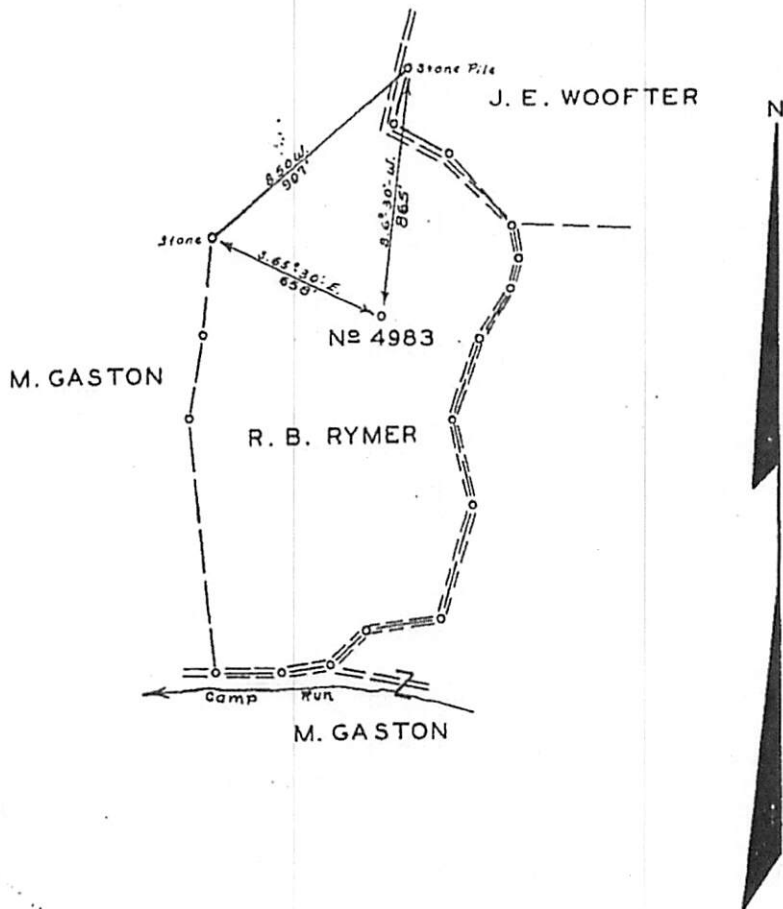
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Environmental Protection

NOTE: All bottom formations must be noted as indicated above and all key rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.

Dod-25

RECORD PROVIDED BY ODEG
LOCATION OF WELL NO. 4983

PITTSBURGH & W.VA. GAS COMPANY OF PITTSBURGH PA.
 LEASE NO. 21005 LESSOR R. B. RYMER ACRES 36.5
 DISTRICT SOUTHWEST COUNTY DODDRIDGE STATE W.VA.
 QTR. QUADRANGLE HOLB. N.E. 4-1 DATE APRIL-18-30 NO. ON LEASE 1
 LEASE EXPIRES --F. RESERVATION ELEVATION 1012'-L.



SCALE: 1" = 500'

ENGINEER'S CERTIFICATE

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS MAP IS CORRECT AND SHOWS ALL THE INFORMATION TO THE BEST OF MY KNOWLEDGE AND BELIEF REQUIRED BY THE OIL AND GAS SECTION OF THE MINING LAWS OF WEST VIRGINIA.

H. B. Benjamin
ENGINEER

Dodd-25

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WV Department of
Environmental Protection

ACKNOWLEDGED BEFORE ME A Notary Public
DAY OF April 19 30

W. C. Masters

WW-4A
Revised 6-07

1) Date: May 21, 2018
2) Operator's Well Number
604983 Rosa B. Rymer #4983
3) API Well No.: 47 - 017 - 02107

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 _____
6) Inspector <u>Daniel Flack</u>	(c) Coal Lessee with Declaration
Address <u>58 Rive Road</u>	Name _____
<u>Buckhannon WV 26201</u>	Address _____
Telephone <u>304-545-0109</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 EQT Production Company
 By: Erin Spine
 Its: Regional Land Supervisor
 Address 2400 Ansys Drive, Suite 200
Canonsburg PA 15317
 Telephone (304) 848-0035

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JUN 05 2018
WV Department of
Environmental Protection

Subscribed and sworn before me this 29 day of May 2018
Rebecca L. Wanstreet Notary Public
My Commission Expires 4-7-2020

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.

17-02107P

47-017-02107

604983 (Rosa B. Rymer #4983)

Owner(s) (Surface and Access)

Marian G. Zorn
1157 Camp Run Rd.
West Union, WV 26456

Coal Owner(s):

Marian G. Zorn
1157 Camp Run Rd.
West Union, WV 26456

Potential Water Owner(s):

Marian G. Zorn
1157 Camp Run Rd.
West Union, WV 26456

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17-02107P

WW-9
(5/16)

API Number 47 - 017 - 02107
Operator's Well No. 604983 Rosa B. Rymer #4983

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 _____

Watershed (HUC 10) Camp Run of Middle Fork Of Hughes River Quadrangle Oxford

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 *Erin Spine*

Company Official (Typed Name) Erin Spine

Company Official Title Regional Land Supervisor

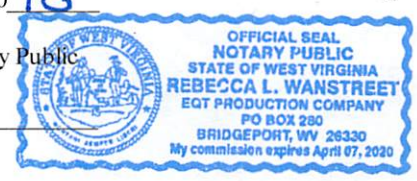
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Subscribed and sworn before me this 29 day of May, 20 18

Rebecca L Wanstreet

Notary Public

My commission expires 4-7-2020



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: make every effort to pull casing

Title: O.I. Gas Inspector

Date: 6/4/18

Field Reviewed? Yes No

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

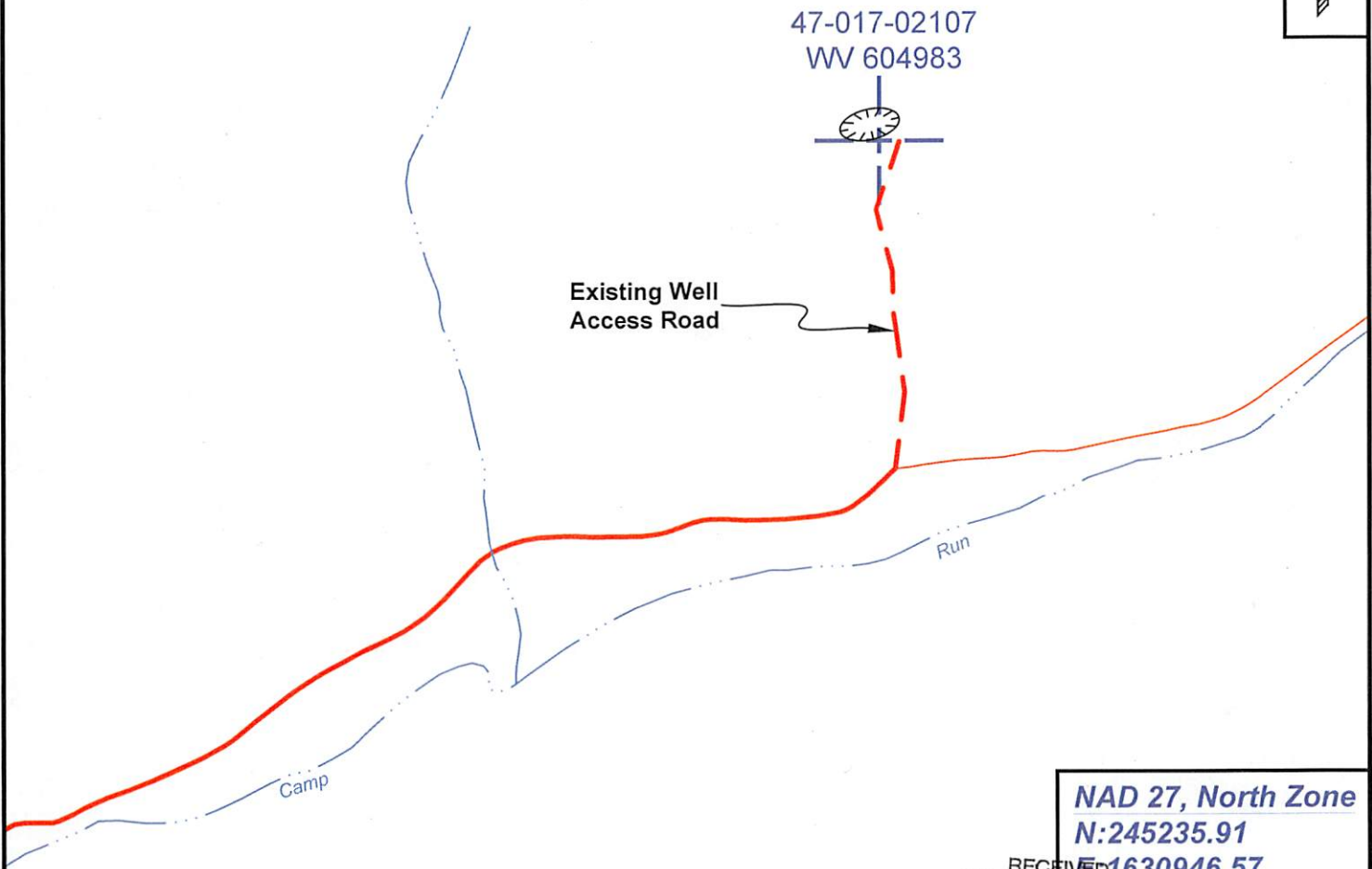
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Topo Quad: Oxford 7.5' Scale: 1" = 500'
 County: Doddridge Date: May 10, 2018
 District: Southwest Project No: 67-30-00-08

Highway **47-017-02107 WV 604983 (Rosa B. Rymer #4983)**

Pit Location Map



NAD 27, North Zone
N:245235.91
E:1630946.57
JUN 05 2018
LAT:39.166062
LONG:-80.801459
ELEV:994.38

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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
 Canonsburg, PA 15317

17-021074

Topo Quad: Oxford 7.5'

Scale: 1" = 2000'

County: Doddridge

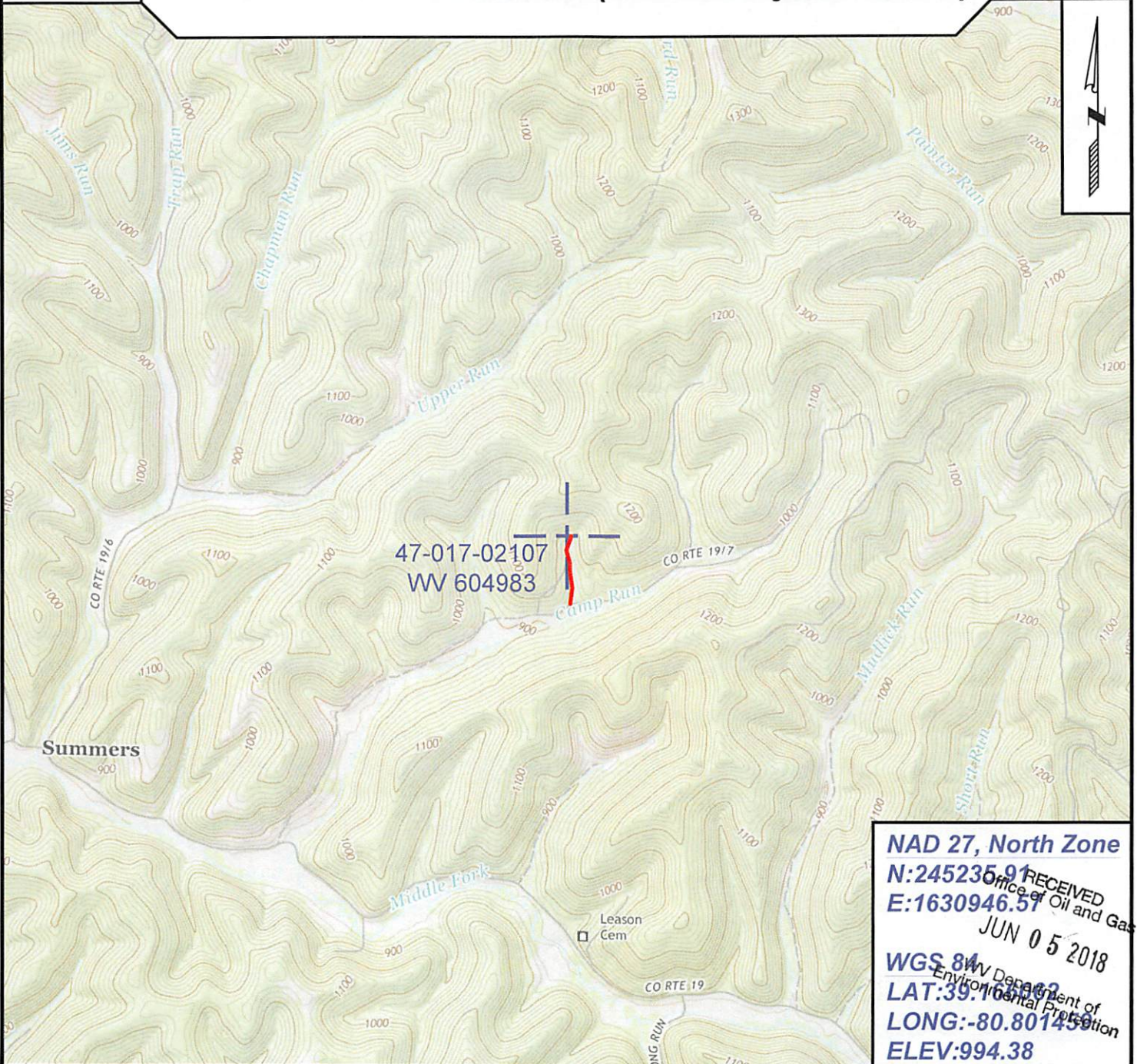
Date: May 10, 2018

District: Southwest

Project No: 67-30-00-08

47-017-02107 WV 604983 (Rosa B. Rymer #4983)

Topo



47-017-02107
WV 604983

NAD 27, North Zone
N:245235.91
E:1630946.57
WGS 84
LAT:39.165463
LONG:-80.801451
ELEV:994.38

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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
 Canonsburg, PA 15317

17-02107P



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
LEASE NAME AND WELL No. Rosa B. Rymer #4983 - WV 604983 - API No. 47-017-02107

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 910 +/- Owner: Marian G. Zorn
Address: 1157 Camp Run Rd., West Union, WV 26456 Phone No. _____
Comments: _____

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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

ALUM CREEK OFFICE
P.O. Box 108 • 1413 Childress Road
Alum Creek, WV 25003
phone: 304-756-2949 fax: 304-756-2948

17-02107P

Topo Quad: Oxford 7.5'

Scale: 1" = 2000'

County: Doddridge

Date: May 10, 2018

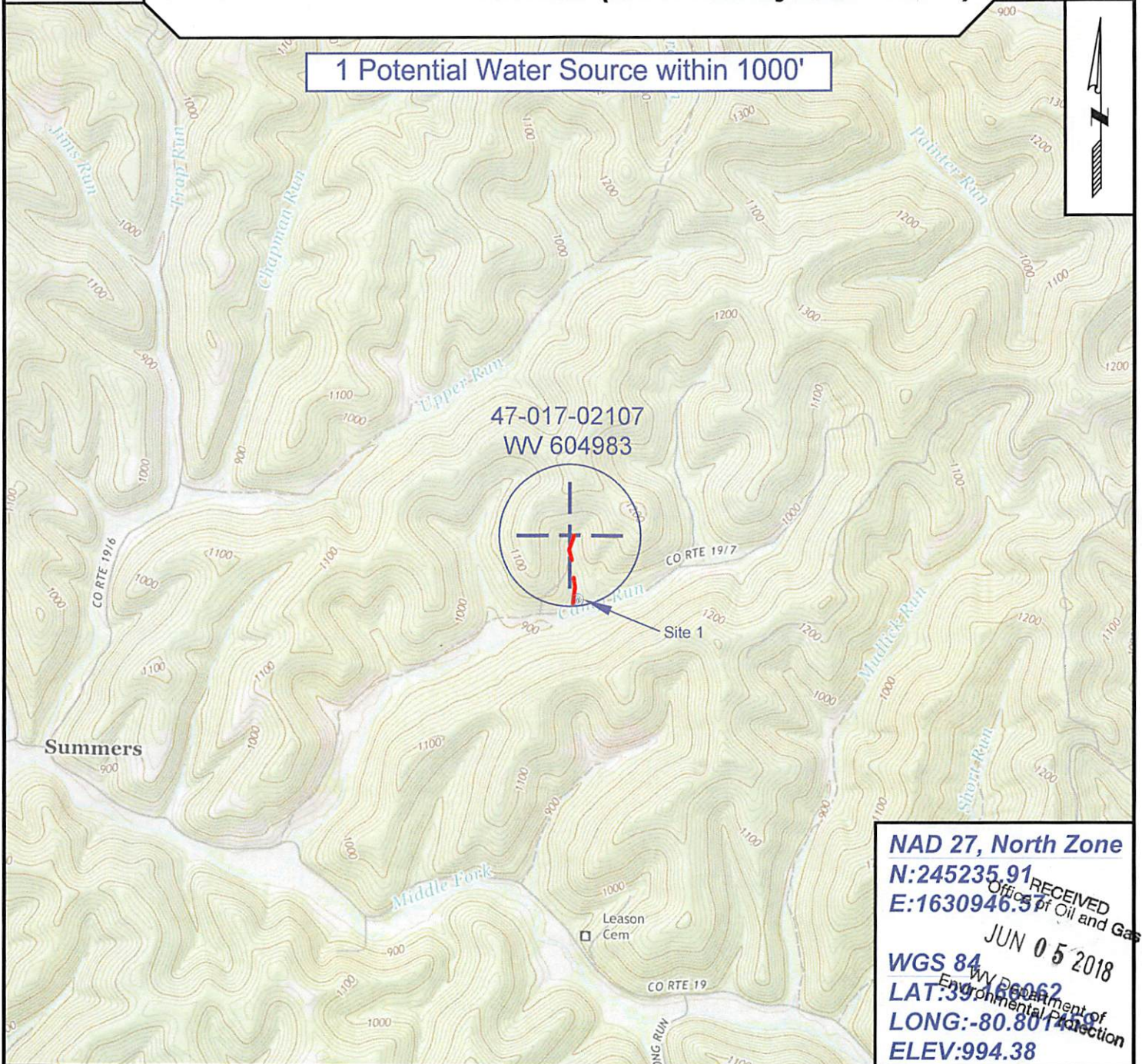
District: Southwest

Project No: 67-30-00-08

Water

47-017-02107 WV 604983 (Rosa B. Rymer #4983)

1 Potential Water Source within 1000'



NAD 27, North Zone
N:245235.91
E:1630946.37
WGS 84
LAT:39.80662
LONG:-80.8014
ELEV:994.38

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 WV Department of Environmental Protection



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
 Canonsburg, PA 15317



Miss Utility of West Virginia (WV811)
(Exhibit A)
Directions to Gas Well No. WV 604983
API No. 47-017-02107

- Beginning at the intersection of US Interstate 79 Exit 79 (Burnsville/Glenville) and WV State Route 5 in Braxton County, WV.
- Proceed Northwest on WV State Route 5, for approximately 9.6 miles, to WV County Route 13, on the right.
- Turn right onto WV County Route 13 and proceed Northeast, for approximately 3.1 miles, to WV County Route 26, on the left.
- Turn left onto WV County Route 26 and proceed Northwest, for approximately 4.5 miles, to the junction of US Routes 33 & 119.
- Turn right onto US Routes 33 & 119 and proceed Northeast, for approximately 1.8 miles, to WV County Route 47, on the left.
- Turn left onto WV County Route 47 and proceed Northwest, for approximately 3.6 miles, to the intersection with WV State Route 18.
- Bear right onto WV State Route 18 and proceed Northeast, for approximately 9.4 miles, to WV County Route 19, on the left.
- Turn left onto WV County Route 19 and proceed Northwest, for approximately 5.1 miles, to WV County Route 19/7, on the right. **(Point No. 1)**

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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

ALUM CREEK OFFICE

P.O. Box 108 • 1413 Childress Road
Alum Creek, WV 25003
phone: 304-756-2949 fax: 304-756-2948

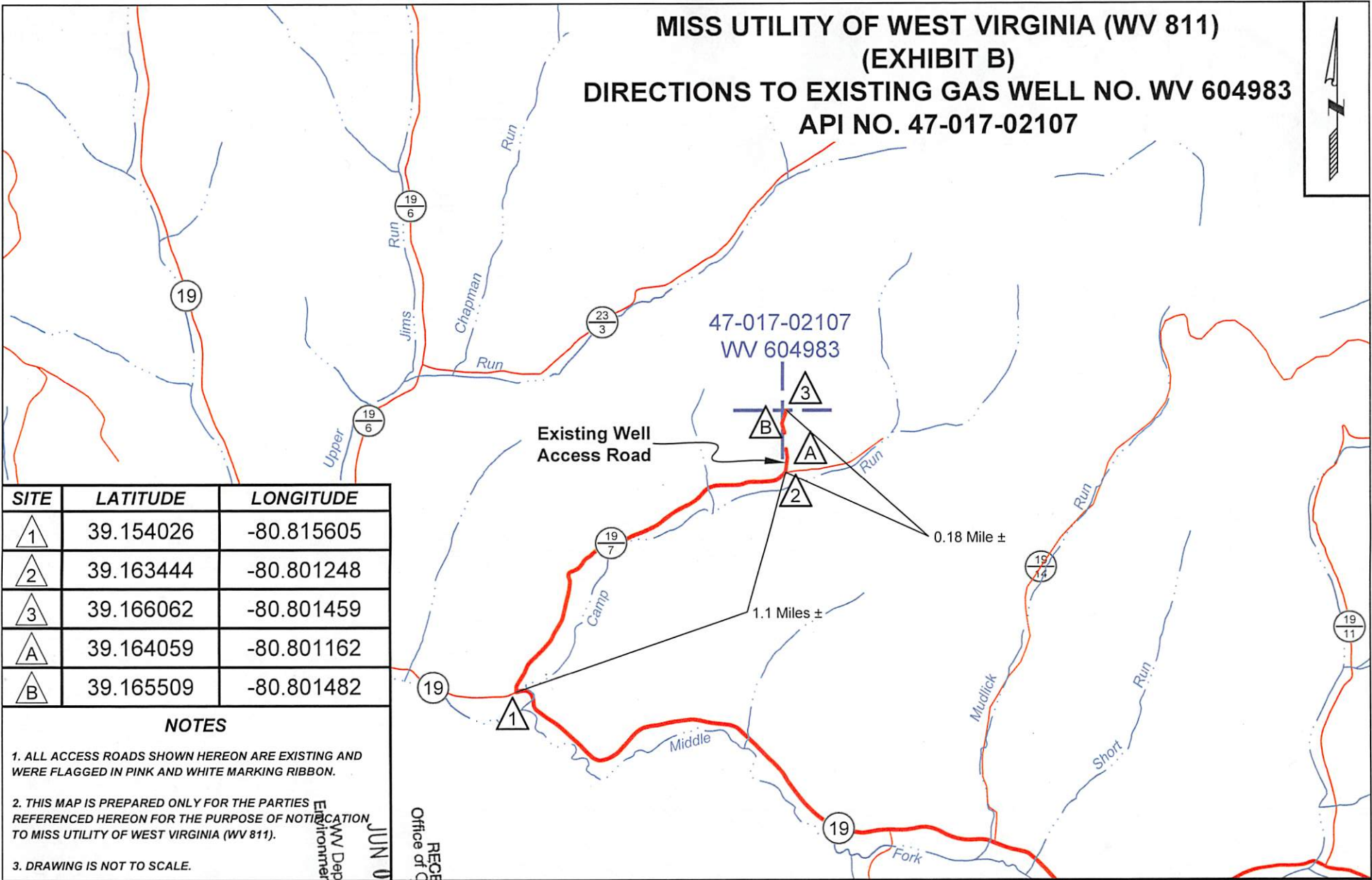
- Turn right onto WV County Route 19/7 and proceed Northeast, for approximately 1.1 miles, to the Well Access Road, on the left. (*Point No. 2*)
- Turn left onto the Well Access Road and proceed North, for approximately 0.18 mile, arriving at Gas Well WV 604983. (*Point No. 3*)

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**MISS UTILITY OF WEST VIRGINIA (WV 811)
(EXHIBIT B)
DIRECTIONS TO EXISTING GAS WELL NO. WV 604983
API NO. 47-017-02107**



SITE	LATITUDE	LONGITUDE
△1	39.154026	-80.815605
△2	39.163444	-80.801248
△3	39.166062	-80.801459
△A	39.164059	-80.801162
△B	39.165509	-80.801482

NOTES

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

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County:	Doddridge
District:	Southwest
Date:	May 9, 2018
Project No:	67-30-00-08
File Name:	WV 604983 RYMER

PREPARED FOR:
EQT Production Company
 2400 Ansys Drive
 Canonsburg, PA 15317

17-02107P