



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

Tuesday, May 29, 2018
WELL WORK PERMIT
Vertical / Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for 510838
47-007-02589-00-00

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.

Please be advised that form WR-35, Well Operators Report of Well Work 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: 510838
Farm Name: JIM C. HAMER COMPANY
U.S. WELL NUMBER: 47-007-02589-00-00
Vertical Plugging
Date Issued: 5/29/2018

I

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.

1) Date May 10, 2018
2) Operator's
Well No. 510838 Parkersburg Mill #510838
3) API Well No. 47-007 - 02589

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 1447 Watershed Lynncamp Run
District Birch County Braxton Quadrangle Rosedale

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 Name Danny Mullins
Address 220 Jack Acres Road
Buckhannon WV 26201
9) Plugging Contractor Name HydroCarbon Well Service
Address PO Box 995
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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Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector  Date 5-14-18

PLUGGING PROGNOSIS

Parkersburg Mill (510838)
 Braxton Co. WV
 District, Birch
 API # 47-007- 02589

BY: Craig Duckworth
 DATE: 12/14/17

CURRENT STATUS:

13 3/8" csg @ 36'
 9 5/8" csg @ 978' (cts)
 7" csg @ 2512' (cts)
 4 1/2" csg @ 6742'

Elevation @ 1447'

TD: 6744'

Fresh Water @ None Reported Coal @ 1314'-1320'
 Saltwater @ None Reported
 Gas shows @ 2472'
 Oil @ None Reported
 Perforated @ 6710'- 6680'

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1. Notify State Inspector, **Danny Mullins 304-546-8171**, 48 hrs. Prior to commencing operations.
2. Check TD w/wireline
3. TIH w/tbg to 6742', set 400' C1A cement plug from 6742' to 6342'. (Bottom hole Plug)
4. TOO H w/tbg to 6342' gel hole 6342' to 5000'.
5. TOO H w/tbg, Free point 4 1/2" csg, cut csg @ free point, TOO H w/csg.
6. Set 100' C1A cement plug 50' in/out of casing cut, perforate all fresh water, salt water, coal, oil and gas shows below cut. Do not omit any plugs.
7. TIH w/tbg to 5000' set 200' C1A cement plug from 5000' to 4700', (4 1/2" csg cut).
8. TOO H w/tbg to 4700' gel hole 4700' to 2600'.
9. TOO H w/tbg to 2600', set 200' C1A cement plug 2600' to 2400'. (gas show @ 2472 & 7" csg set)
10. TOO H w/tbg to 2400' gel hole from 2400' to 1540'.
11. TOO H w/tbg to 1540, set 300' C1A cement plug, 1540' to 1240' (coal @ 1320'-1314' & elevation @ 1447')

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12. TOO H w/tbg to 1240' gel hole from 1240' to 1078'.
13. TOO H w/tbg to 1078, set 200' C1A cement plug, 1078' to 878 (9 5/8" csg @ 978')
14. TOO H w/tbg to 878' gel hole from 878' to 278'.
15. TOO H w/tbg to 278', set 278' C1A cement plug, 278' to 0 (13 3/8" @ 36'
16. Erect monument with API#, Date plugged, EQT
17. Reclaim location and road to WV-DEP specifications.

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4700702589A

Well Number 510838

EQT Company
WR-35 Completion Report - Attachment
Well Treatment Summary

API # 4700702589

Date	03/27/2009
FracTyp	Variabl Foam
Zone	Marcellus
# of Perfs	120
From/To	6,710- 6,680
BD Press	4,726
ATP Psi	6,208
Avg Rate	67
Max Press Psi	7,787
ISIP Psi	4,966
10min SIP	4,276 5 min.
Frac Gradient	0.00
Sand Proppant	1,099.53
Water-bbl	119.69
SCF N2	34,920.23
Acid-gal	0 gal

Formation Name	Depth To	Depth Bottom	Formation Thick
	0.00	0	0.00
Sand	0.00	44	44.00
Sand & Shale	44.00	320	276.00
Sand	320.00	432	112.00
Red Rock	432.00	625	193.00
Sand & Shale	695.00	845	150.00
Grey Shale	845.00	930	85.00
Sand & Shale	930.00	990	60.00
Grey Shale	990.00	1,015	25.00
Sand & Shale	1,015.00	1,314	299.00
Coal	1,314.00	1,390	76.00
Salt	1,370.00	1,390	20.00
Salt	1,390.00	1,407	17.00
Salt	1,407.00	1,455	48.00
Sand	1,455.00	1,477	22.00
UPPER SALT	1,816.95	1,830	13.54
UPPER B SALT	1,849.24	1,866	16.67
ROSEDALE GAS SAN	1,929.46	0	0.00
ROSEDALE SALT SA	2,015.92	0	0.00
MAXTON SAND	2,113.85	0	0.00
LITTLE LIMESTONE	2,184.69	0	0.00
BLUE MONDAY SAN	2,208.65	0	0.00
BIG LIME	2,241.98	0	0.00
MISS BASE POROSIT	2,400.33	0	0.00
MISS UNC	2,412.25	0	0.00
SPEECHLEY	3,529.00	3,892	363.00
BENSON SAND	4,954.00	4,988	34.00
RHINESTREET SHAL	5,638.00	6,344	706.00
SONYEA	6,344.00	6,507	163.00
MIDDLESEX	6,507.00	6,529	22.00
Genesee Lime	6,529.00	6,634	105.00
GENESE0	6,634.00	6,659	25.00
TULLY	6,659.00	6,666	7.00
Hamilton	6,666.00	6,674	8.00
MARCELLUS SHALE	6,674.00	6,720	46.00
ONONDAGA LIME	6,720.00	0	0.00

Gas Tests	
Depth	Remarks
1.600	N/S
1.900	N/S
2.100	Odor
2.472	285mcf
3.830	N/S
6.744	N/S
2.400	odor

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**State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work**

API # 4700702589

4700702589P

Farm Name Jim C. Hamer Company Well Number 510838
 Location Elevation 1,447 Quadrangle ROSEDALE
 District Birch County Braxton, WV
 Latitude 9100 FSL Degree 38.00 Minute 42.00 Second 30.00
 Longitude 4750 FWL Degree 80.00 Minute 57.00 Second 30.00

Company EQT Production Company
1710 Pennsylvania Avenue Charleston,
WV 25328
 Agent Cecil Ray
 Inspector David Gilbert
 Permit Issued 09/08/2008

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cubic Ft
13 3/8	36	36	
9 5/8	978	978	435.20
7	2,512	2,512	550.15
4 1/2	6,742	6,742	123.90

Well Work Commenced 02/17/2009
 Well Work Completed 05/06/2009
 Verbal Plugging
 Permission granted or _____
 Rotary Rig X Cable Rig _____

Total Depth 6,744

Water Encountered

Type From

none reported

Coal & Open Mines

Type From
 Coal 1314' - 1320'

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Open Flow Data

Producing Formation
 Marcellus

Pay Zone Depth (ft): See attached for details

Gas: Initial Open Flow 281 MCF 2/24/09 Date Oil: Initial Open Flow _____ Bbl/d
 Final Open Flow 0 MCF 03/27/2009 Date Final Open Flow _____
 Time of open flow between initial and final tests 0 hours
 Static Rock Pressure 0 after 0 hours

Second Producing Formation _____

Pay Zone Depth (ft) _____

Gas: Initial Open Flow _____ MCF _____ Date Oil: Initial Open Flow _____ BW/d
 Final Open Flow _____ MCF _____ Date Final Open Flow _____
 Time of open flow between initial and final tests _____ hours
 Static Rock Pressure _____ after _____ hours

NOTE: On back of this form put the following

- 1) Details of Perforated intervals, fracturing or stimulating, physical change, etc.
- 2) The well log, a systematic detailed geological record of all formations including coal encountered in the well bore

For EQT Production Company
 By David Gilbert Director, Drilling
 Date 11-11-09

Rosedale 4

06/01/2018

Well Number 510838

EQT Company
WR-35 Completion Report - Attachment
Well Treatment Summary

API # 4700702589

4700702589P

ST-1	
Date	03/17/2009
FracTyp	Variable Foam
Zone	Marcellus
# of Perfs	120
From/To	6,710- 6,660
BD Press	4,726
ATP Psi	6,208
Avg Rate	67
Max Press Psi	7,787
ISIP Psi	4,966
10min SIP	4,276 5 min
Frac Gradient	0.00
Sand Proppant	1,099.53
Water-bbl	119.69
SCP NZ	3192.03
Acid-gal	0 gal

Formation Name	Depth To	Depth Bottom	Formation Thick
	0.00	0	0.00
Sand	0.00	44	44.00
Sand & Shale	44.00	320	276.00
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ROSDALE GAS SAN	1,929.46	0	0.00
ROSDALE SALT SA	2,015.92	0	0.00
MAXTON SAND	2,113.85	0	0.00
LITTLE LIMESTONE	2,184.69	0	0.00
BLUB MONDAY SAN	2,208.65	0	0.00
BIG LIME	2,241.98	0	0.00
MISS BASE POROSIT	2,400.33	0	0.00
MISS UNC	2,412.25	0	0.00
SPEECHLEY	3,529.00	3,892	363.00
BENSON SAND	4,954.00	4,988	34.00
RHINESTREET SHAL	5,638.00	6,344	706.00
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Hamilton	6,666.00	6,674	8.00
MARCELLUS SHALE	6,674.00	6,720	46.00
ONONDAGA LIME	6,720.00	0	0.00

Gas Tests

Depth	Remarks
1,600	N/S
1,900	N/S
2,100	Odor
2,472	285mcf
3,830	N/S
6,744	N/S
2,400	odor

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4700702589

PARKERSBURG MILL CO. LEASE

2,852 ACRES±



WELL NO. WV 510838

WELL NO. WV 510838
STATE PLANE COORDINATES
(SOUTH ZONE)

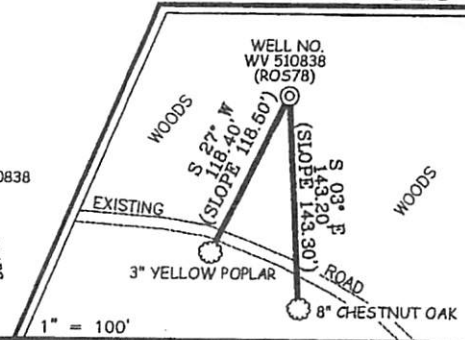
N. 612,969
E. 2,007,113
LAT=(N) 38.68335
LONG=(W) 80.97508

NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 06/09/08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED 08/31/04 AS PREPARED BY MARSHALL W. ROBINSON FOR THE JIM C. HAMER COMPANY AND COASTAL LUMBER COMPANY.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF BRAXTON COUNTY IN JULY, 2008.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).



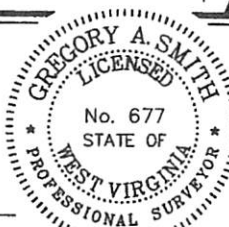
REFERENCES



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677

Gregory A. Smith



(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE JULY 01, 20 08

OPERATORS WELL NO. WV 510838

API WELL NO. 47-007-02589
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 6055P510838 (260-28)
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 1,000'

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



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WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,447' WATERSHED LYNNCAMP RUN
DISTRICT BIRCH COUNTY BRAXTON QUADRANGLE ROSEDALE 7.5'

SURFACE OWNER THE JIM C. HAMER COMPANY ACREAGE 3,914.36±
ROYALTY OWNER LILLY BLANCHE SMITH, ET AL LEASE ACREAGE 2,852±

PROPOSED WORK: LEASE NO. 116978
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD
FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION _____
ESTIMATED DEPTH _____

WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY
ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302 CHARLESTON, WV 25302

06/01/2018

Rosedale

WW-4A
Revised 6-07

1) Date: May 10 2018
2) Operator's Well Number 510838 Parkersburg Mill #510838
3) API Well No.: 47 - 007 - 02589

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>Danny Mullins</u>	(c) Coal Lessee with Declaration
Address <u>220 Jack Acres Road</u>	Name _____
<u>Buckhannon WV 26201</u>	Address _____
Telephone <u>(304) 546-8171</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.

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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.

MAY 14 2018

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 the 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

Subscribed and sworn before me this 10 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 depprivacyoffier@wv.gov.

47-007-02589

510838 Parkersburg Mill #510838

Owner(s) (Surface and Access)

Heartwood Forestland Fund VII LP
19045 Stone MOUNTAIN Rd.
Abingdon, VA 24210

Coal Owner(s):

Island Creek Coal Co.
1000 Consol Energy Dr.
Canonsburg, PA 15317

Potential Water Owner(s):

N/A

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WW-9
(5/16)

API Number 4700Z 02589
Operator's Well No. 510838 Parkersburg Mill #510838

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) Lynncamp Run Quadrangle Gassaway

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

Subscribed and sworn before me this 10 day of May

Rebecca L. Wanstreet

My commission expires 4-7-2020



06/01/2018

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		

DM

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: _____

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Environmental Protection

Title: _____ Date: _____

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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Environmental Protection

Topo Quad: Rosedale 7.5'

Scale: 1" = 200'

County: Braxton

Date: April 18, 2018

District: Birch

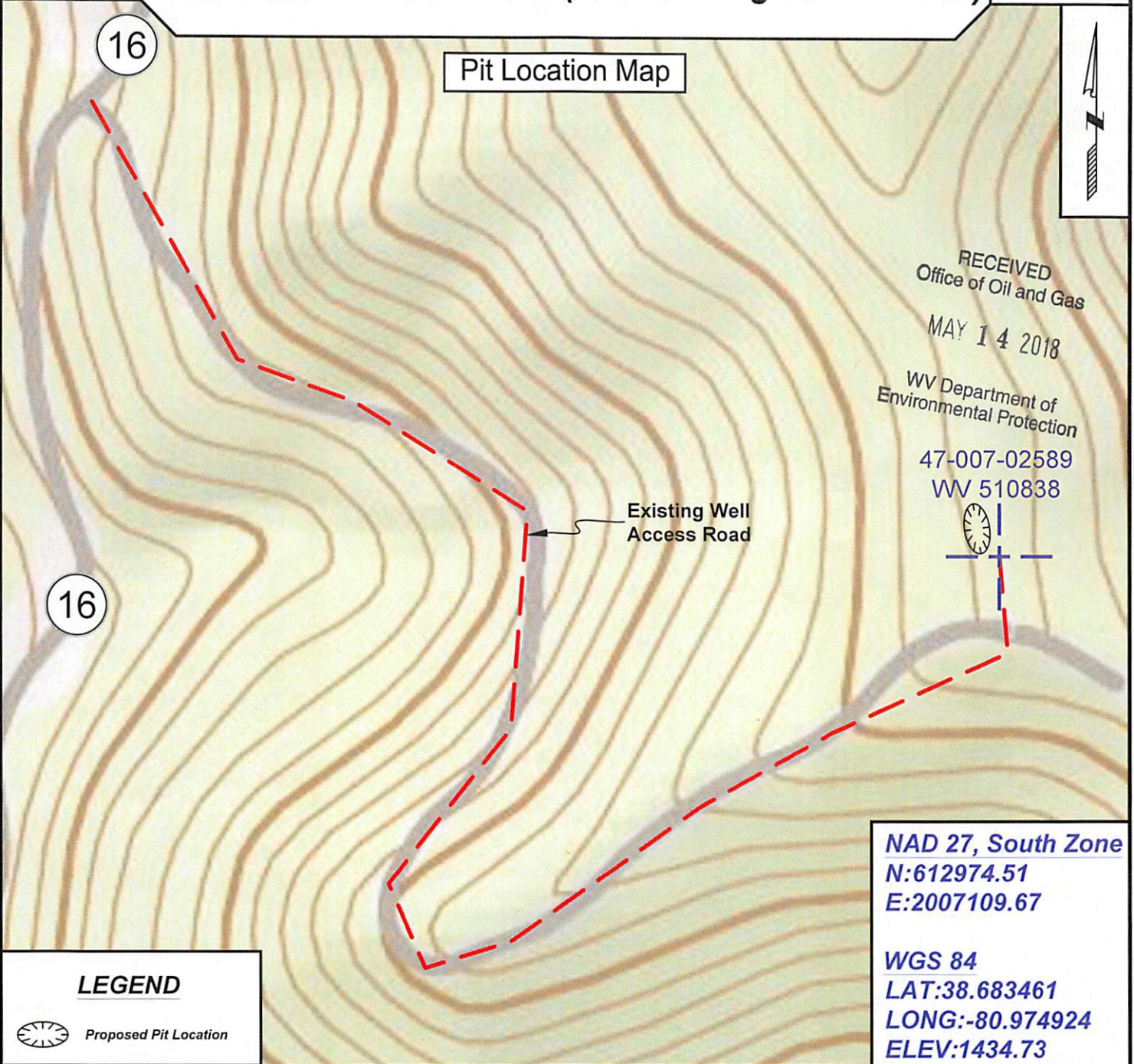
Project No: 40-02-00-07

47 007 02589P

47-007-02589 WV 510838 (Parkersburg Mill #510838)

Topo

Pit Location Map



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

06/01/2018

Topo Quad: Rosedale 7.5'

Scale: 1" = 500'

47 007 02589

County: Braxton

Date: April 18, 2018

District: Birch

Project No: 40-02-00-07

Highway 47-007-02589 WV 510838 (Parkersburg Mill #510838)

Pit Location Map

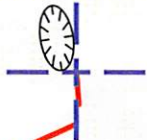


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WV Department of
Environmental Protection

47-007-02589
WV 510838



Existing Well
Access Road

16

16

Lynncamp

Run

NAD 27, South Zone
N:612974.51
E:2007109.67

WGS 84
LAT:38.683461
LONG:-80.974924
ELEV:1434.73

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

06/01/2018

4700702589

Topo Quad: Rosedale 7.5'

Scale: 1" = 2000'

County: Braxton

Date: April 18, 2018

District: Birch

Project No: 40-02-00-07

47-007-02589 WV 510838 (Parkersburg Mill #510838)

Topo



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WV Department of
Environmental Protection

NAD 27, South Zone
N:612974.51
E:2007109.67

WGS 84
LAT:38.683461
LONG:-80.974924
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PREPARED FOR:

EQT Production Company

2400 Ansys Drive
Canonsburg, PA 15317

06/01/2018



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY

LEASE NAME AND WELL No. Parkersburg Mill #510838 – WV 510838 - API No. 47-007-02589

POTENTIAL SAMPLE LOCATIONS

There appears to be no potential water sources within the required 1000 feet of the existing well WV 510838.

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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

ALUM CREEK OFFICE

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

Topo Quad: Rosedale 7.5' Scale: 1" = 2000'

County: Braxton Date: April 18, 2018

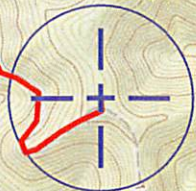
District: Birch Project No: 40-02-00-07

Water

47-007-02589 WV 510838 (Parkersburg Mill #510838)

No Potential Water Sources within 1000'

47-007-02589
WV 510838



NAD 27, South Zone
N:612974.51
E:2007109.67

WGS 84
LAT:38.683461
LONG:-80.974924
ELEV:1434.73



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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 510838
API No. 47-007-02589**

- Beginning at the intersection of US Interstate 79 and WV County Route 11, Exit 46 (Servia Road) in Braxton County, West Virginia.
- Proceed North on WV County Route 11 (Servia Road), for approximately 5.8 miles, to the junction of WV County Route 11 (Servia Road) and WV County Route 16 (Mill Fork Road). *(Point No. 1)*
- Turn right onto WV County Route 16 (Mill Fork Road) and proceed Northeast, for approximately 1.1 miles, arriving at the Well Access Road on the right. *(Point No. 2)*
- Turn right onto the Well Access Road and proceed Southeast, for approximately 0.50 mile, arriving at WV 510838. *(Point No. 3)*

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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

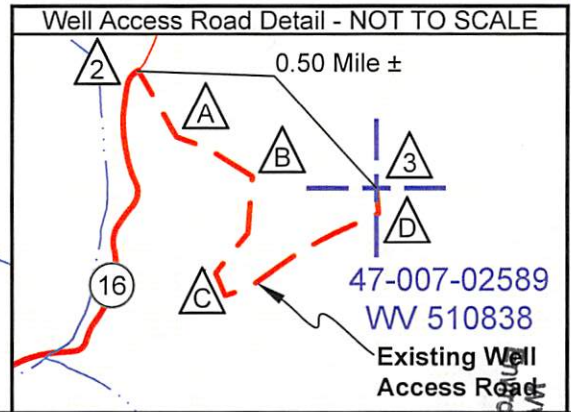
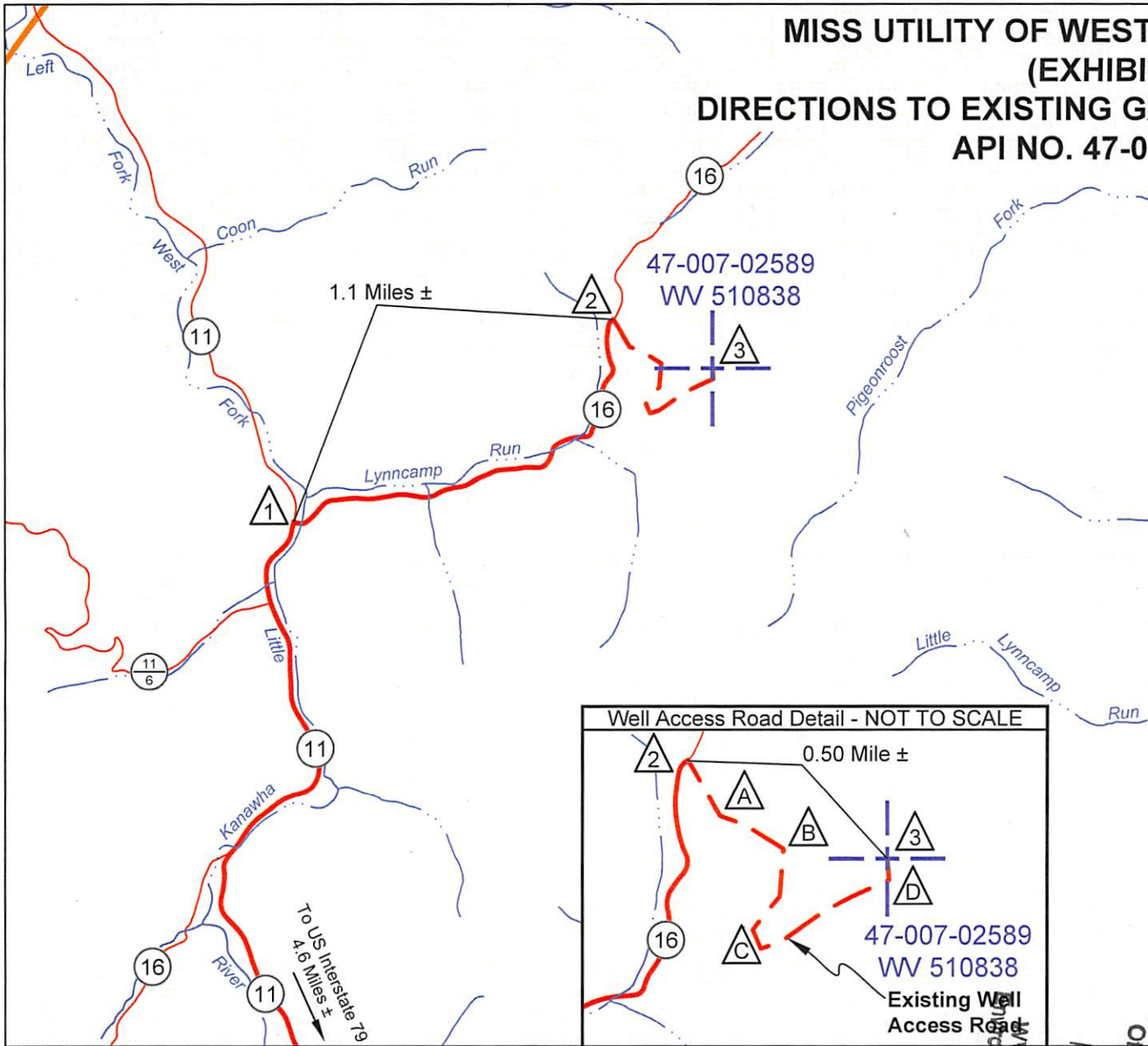
BRIDGEPORT OFFICE

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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

**MISS UTILITY OF WEST VIRGINIA (WV 811)
(EXHIBIT B)
DIRECTIONS TO EXISTING GAS WELL NO. WV 510838
API NO. 47-007-02589**



SITE	LATITUDE	LONGITUDE
1	38.678039	-80.993879
2	38.685216	-80.979413
3	38.683461	-80.974924
A	38.684224	-80.978691
B	38.683638	-80.977257
C	38.681868	-80.977765
D	38.683089	-80.974882

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

County: Braxton
District: Birch
Date: April 18, 2018
Project No: 40-02-00-07
File Name: WV 510838 PARKERSBURG MILL

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

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