



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

Monday, May 7, 2018

WELL WORK PLUGGING PERMIT
Vertical Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for 4838
47-085-03993-00-00

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 blue ink signature of James A. Martin, written in a cursive style.

Operator's Well Number: 4838
Farm Name: SMITH
U.S. WELL NUMBER: 47-085-03993-00-00
Vertical Plugging
Date Issued: 5/7/2018

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

Form WW-4 (B)
Permit Copy
(Rev 2/01)

Date: November 9, 2017
Operator's Well _____
Well No. 604838 (Smith #4838)
API Well No.: 47 085 - 03993

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

Check # 21606
11-14-17
\$1000

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil _____ Gas X Liquid Injection _____ Waste Disposal _____
If Gas, Production _____ X Or Underground storage _____ Deep _____ Shallow X

5) Elevation: 1097 ft. Watershed: Bone Creek
Location: _____ Union _____ County: _____ Ritchie _____ Quadrangle: _____ Auburn 7.5'
District: _____

6) Well Operator EQT Production Company
120 Professional Place
Address: Bridgeport, WV 26330

7) Designated Agent: Rex C. Ray
Address: 120 Professional Place
Bridgeport, WV 26330

8) Oil & Gas Michael Goff
Name: 1723 Auburn Road
Address: Pullman, WV 26421

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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Office of Oil and Gas

NOV 22 2017

WV Department of
Environmental Protection

OK gnm for MIKE GOFF

OFFICE USE ONLY

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

Work order approved by inspector _____ Date _____

PLUGGING PROGNOS

604838
 J.P.Smith
 API# 47-085-03993
 District, Booths Creek
 Ritchie County, WV

BY: R Green
 DATE: 10/16/17

CCURRENT STATUS:

TD @ 2027'
Elevation @ 1097'

10" casing @ 191'
 6 5/8" casing @ 1878'
 3" tubing @ 2027' (set on 3" X 6 5/8" packer @ 1897')

Fresh Water@ None Reported
Saltwater@ None Reported
Oil Show @ None Reported
Gas shows @ 1710' (3rd Salt Sand) 1940' (Big Injun)
Coal @ None Reported

1. Notify inspector, Michael Goff @ 304-549-9823, 24 hrs. prior to commencing operations.
2. TIH, check TD @ or below 1950', attempt to release 3" X 6 5/8" packer. (Set @ 1897')
3. If unable to release packer, TIH and perforate 3" tubing below packer.
4. TIH and spot 20 bbl. of 6% gelled water, followed by a 53' C1A cement plug, 1950' to 1897'.
5. WOC 8 hrs. Tag TOC, add additional C1A cement if necessary.
6. TIH and cut 3" tubing @ top of packer, TOOH 3" tubing.
7. TIH to 3" tubing cut, set 200' C1A cement plug, 1897' to 1697'. (3" tubing cut and 6 5/8" casing seat)
8. Free point 6 5/8" casing, cut casing @ free point, TOOH casing.
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. TOOH to 1150', set 200' C1A cement plug 1150' to 950' (Elevation @ 1097').
11. TOOH to 400' set 250' C1A cement plug 400' to 150'. (10" casing seat).
12. Free point 10" casing, cut casing @ free point, TOOH casing.
13. Set C1A cement plug 50' in casing cut to surface. Perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
14. *** Note if unable to cut and pull 10" casing, TIH and perforate 10" casing with 4 holes each @ 125', 100', 75', TIH and set 150' C1A cement plug 150' to surface.**
15. Erect monument with API#, date plugged, & company name.
16. Reclaim location and road to WV-DEP specifications.

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 Office of Oil and Gas

APR 30 2018

WV Department of
 Environmental Protection

Ritchie Co
 J.P. Smith
 604838

| WELL NO. 4838 LESSOR <i>Smith, J.P.</i> | | LEASE NO. 7857 ACRES <i>147</i> MAP <i>Walt 54-11</i> | | ELEVATION | | L DIV. <i>7</i> DIST. <i>West Union</i> | |
|---|--------------------------|---|--------|--------------------|----------|---|----------|
| CLASSIFICATION <i>B-1</i> | | FORMATIONS | | FORMATIONS | | FORMATIONS | |
| TY. P. OR DIST. | TOP | BOTTOM | GAS AT | OIL AT | WATER AT | TOP | BOTTOM |
| UNION | | | | | | | |
| RITCHIE | | | | | | | |
| LOCATED | WAYNESBURG COAL | | | | | GANTE | 10' SAND |
| W/O NO. | MAPLETOWN " | | | | | 3' | |
| DATE | REDSTONE " | | | | | 3' | |
| CONTRACTOR | PITTSBURGH | | | | | 3' | |
| PER FT. | MURPHY SAND | | | | | 3' | |
| COMMENCED | AME'S LIMESTONE | | | | | 3' | |
| COMPLETED | BAKERSDOW COAL | | | | | 3' | |
| PURCHASED FROM | L. BURNARD SAND | | | | | 3' | |
| DATE PURCHASED | B. BURNARD SAND | 920 | 935 | | | 3' | |
| OUTSIDE SERIAL NO. | UPPER FREEPORT COAL | | | | | 3' | |
| SOLD TO | L. " " | | | | | 3' | |
| DATE SOLD | U. KITT. " | | | | | 3' | |
| DATE ABANDONED | M. " " | | | | | 3' | |
| DATE PLUGGED | L. " " | | | | | 3' | |
| ANNUAL ROYALTY \$ | VAMPORT LIME | | | | | 3' | |
| WORKMEN'S COMP. NOTICE POSTED | CLARIGH COAL | | | | | 3' | |
| DRILLER'S LOG IN FILE | BROOKVILLE COAL | | | | | 3' | |
| | 1ST GAS SAND | 1205 | 1235 | | | 3' | |
| | MERCER COAL | | | | | 3' | |
| | 1ST SALT SAND | 1435 | 1490 | | | 3' | |
| | 2ND " " | 1450 | 1620 | | | 3' | |
| | 2ND " " | 1680 | 1750 | 1710-11 | | 3' | |
| | MAXTON | | | | | 3' | |
| | LITTLE LIME | 1805 | 1852 | | | 3' | |
| | PENCIL CAVE | 1852 | 1855 | | | 3' | |
| | DIG LIME (RESHER) | 1855 | 1920 | | | 3' | |
| | DIG HUN SAND | 1920 | 1944 | 1945-57 1963 (low) | | 3' | |
| | SQUAW " | | | | | 3' | |
| | 2ND GAS " | | | | | 3' | |
| | MURRYSVILLE SAND (DEREA) | | | | | 3' | |
| | ANNUAL ALLOWANCE | | | | | 3' | |
| | CONSUMER | | | | | 3' | |
| | ADDRESS | | | | | 3' | |
| | TOTAL DEPTH | | | | | 3' | |
| | TOTAL DEPTH | 1027 | | | | 3' | |
| | TOTAL DEPTH | | | | | 3' | |

| OPEN FLOW VOLUME & PRESSURE DATA | | | | | | | | | | | | PIPE LINE DATA | | | | | | | | | | | |
|----------------------------------|---------|--------|---------|--------|---------|----|----|-----|-----|-----|-----|----------------|---------------------|---------------------|--------|----------------|---------|-----------|------------|------|-----------|------------|---------|
| DATE | READING | LIQUID | SIZE | | MINUTES | | | | | | | | | | VOLUME | PRODUCING SAND | C/O NO. | DATE LAID | DATE RCL'D | SIZE | FEET LAID | FEET RCL'D | REMARKS |
| | | | OPENING | TUBING | 1 | 2 | 3 | 4 | 5 | 15 | 30 | 60 | 24 HR. 10 DAY R. P. | 24 HR. 10 DAY R. P. | | | | | | | | | |
| 12-4-37 | 1910 | N | 3" | 3" | 30 | 60 | 85 | 110 | 130 | 315 | 565 | | | | | | | | | | | | |
| 7-28-37 | | | | 3 | | | | | | | | | | | | | | | | | | | |

| REPAIR AND DRILLING DEEPER | | | | | | | | | | SHOOTING RECORD | | | | | | | | | | | | | |
|----------------------------|------|--------|-----------|-----------|---------------|--------|-------|-------------|-------|-----------------|------|-------|--------|-------|--|--|--|--|--|--|--|--|--|
| W/O-11/C NO. | DATE | REASON | COMMENCED | COMPLETED | C/O OR D/D TO | VOLUME | | ROCK PRESS. | | DATE | AMT. | DEPTH | VOLUME | | | | | | | | | | |
| | | | | | | BEFORE | AFTER | BEFORE | AFTER | | | | BEFORE | AFTER | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

| DATE TURNED IN LINE | | DATE DISCONNECTED | |
|---------------------|--|-------------------|--|
| | | | |

| VOLUME FACTOR DATA | | | |
|--------------------|---------|---------------------|------|
| PREVIOUS | PRESENT | DAILY VOLUME FACTOR | SIZE |
| | | 1.391 | |

RECEIVED
 Office of Oil and Gas

NOV 22 2017

WV Department of
 Environmental Protection

85-03993P

WW-4-A
Revised 6/07

1) Date: November 9, 2017
2) Operator's Well Number
604838 (Smith #4838)
3) API Well No.: 47 085 - 03993
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

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WV Department of
Environmental Protection

4) Surface Owner(s) to be served:
(a) Name Jerry Riddle and Betty Nutter ✓
Address 2187 Riddle Hill Road
Auburn, WV 26325

(b) Name _____
Address _____

(c) Name _____
Address _____

6) Inspector Michael Goff
Address 1723 Auburn Road
Pullman, WV 26421
Telephone (304) 549-9823

5) (a) Coal Operator:
Name None
Address _____

(b) Coal Owner(s) with Declaration
Name Jerry Riddle and Betty Nutter ✓
2187 Riddle Hill Road
Address Auburn, WV 26325

Name _____
Address _____

(c) Coal Lessee with Declaration
Name None
Address _____

Name _____
Address _____

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.

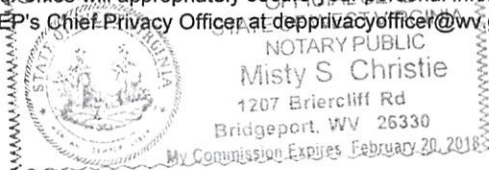
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

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 Division 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: Victoria J. Roark ✓
Its: Regional Land Supervisor
Address: PO Box 280
Bridgeport, WV 26330
Telephone: (304) 848-0076

Subscribed and sworn before me this 14th day of November, 2017
Misty S. Christie Notary Public
My Commission Expires: 2/20/18

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as 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.



SURFACE OWNER WAIVER

Operator's Well Number 604838 (Smith #4838)

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW 4-A

The well operator named on page WW4A 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
Division of Environmental Protection
601 57th Street, SE
Charleston, WV 25304
(304) 926-0450

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WV Department of
Environmental Protection

Time Limits and methods for filing comments.

The law requires these materials to be served on or before the date the operator files for this Application. You have FIVE (5) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing.

Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

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

List of Water Testing Laboratories.

The office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

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

FOR EXECUTION BY A CORPORATION, ETC.

Signature

Date

Name
By _____
Its _____

Signature

Date

Operator's Well Number 604838 (Smith #4838)**INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE**

The well operator named on the attached page 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 date 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 the 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 operator _____ / owner _____ / lessee _____ of the coal under this well location has examined this proposed plugging work order. The undersigned has not 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: _____
Its: _____RECEIVED
Office of Oil and Gas

NOV 22 2017

WV Department of
Environmental Protection

WW-9
Revised 5/16

Page ____ of ____
2) Operator's Well Number
604838 (Smith #4838)
3) API Well No.: 47 085 - 03993

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

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Office of Oil and Gas

NOV 22 2017

WV Department of
Environmental Protection

Operator Name: EQT PRODUCTION COMPANY OP CODE: _____

Watershed (HUC 10): Bone Creek Quadrangle: Auburn 7.5'

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

Will a pit be used? Yes X No ___

If so, please describe anticipated pit waste:

Formation Fluids

Will a synthetic liner be used in the pit? Yes X No ___ Is so, what ml.? 20 40-ml

Proposed Disposal Method for Treated Pit Wastes:

- _____ Land Application (if selected provide a completed form WW-9-GPP)
- _____ Underground Injection (UIC Permit Number _____)
- X _____ Reuse (at API Number -- Various _____)
- X _____ Off Site Disposal Permit (Supply form WW-9 for disposal location. See attachment)
- _____ 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, remove 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 the Oil and Gas of any load of drill cuttings or associated waste rejected at ar 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 Division 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.

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 _____

Company Official (Typed Name) Victoria J. Roark

Company Official Title Regional Land Supervisor - WV

Subscribed and sworn before me this 14th day of November, 2017

My Commission Expires 2/20/18

Misty S. Christie

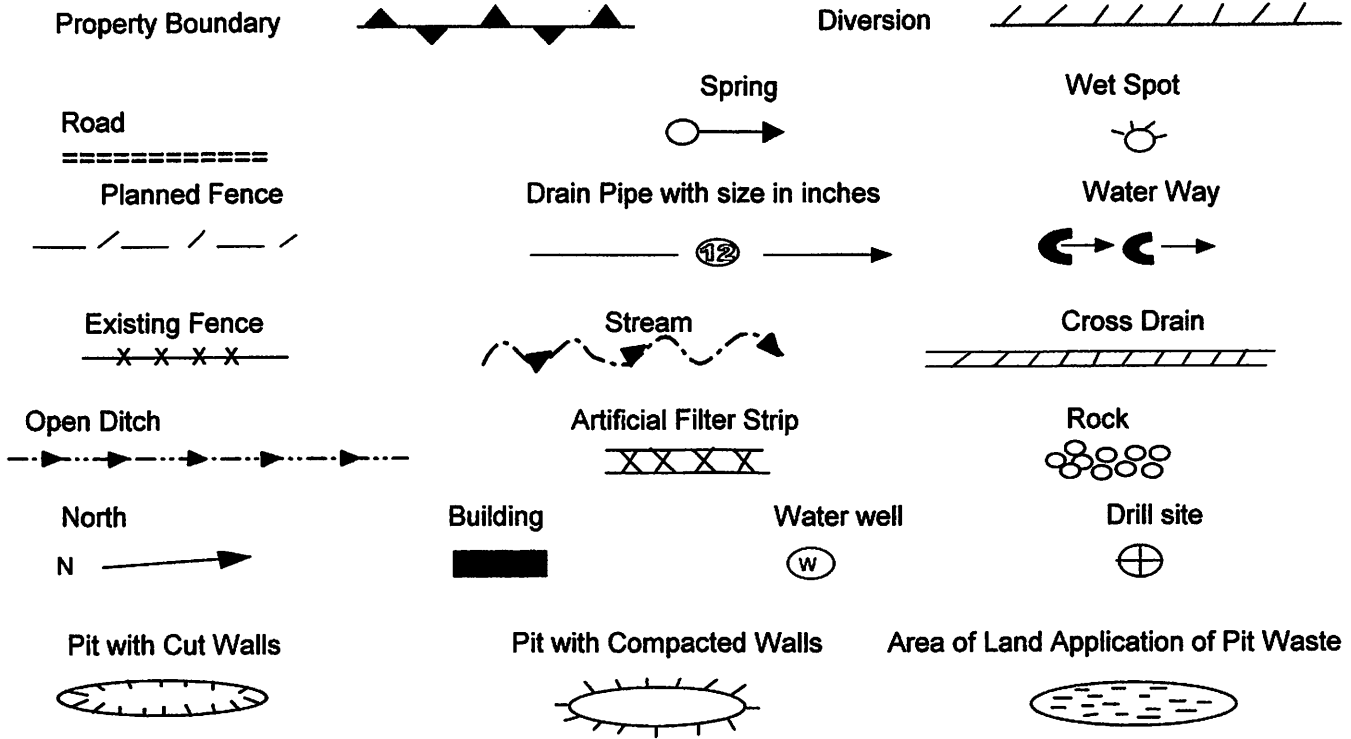
Notary Public



OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Misty S. Christie
1207 Briercliff Rd
Bridgeport, WV 26330
My Commission Expires February 20, 2018

OPERATOR'S WELL NO.:
604838 (Smith #4838)

LEGEND



Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre or hydroseed.

SEED MIXTURES

Area I

Area II

| Seed Type | lbs/acre |
|---------------|----------|
| Red Fescue | 40 |
| Alsike Clover | 5 |
| Annual Rye | 15 |
| | |
| | |

| Seed Type | lbs/acre |
|---------------|----------|
| Red Fescue | 15 |
| Alsike Clover | 5 |
| | |
| | |

ATTACH:

Drawing(s) of road, location, pit and proposed area for land application.
Photocopies section of involved 7.5' topographic sheet.

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Office of Oil and Gas

NOV 22 2017

Plan approved by: _____

Comments: _____

WV Department of
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: Auburn 7.5'

Scale: 1" = 500'

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Office of Oil and Gas

County: Ritchie

Date: October 19, 2017

NOV 22 2017

District: Union

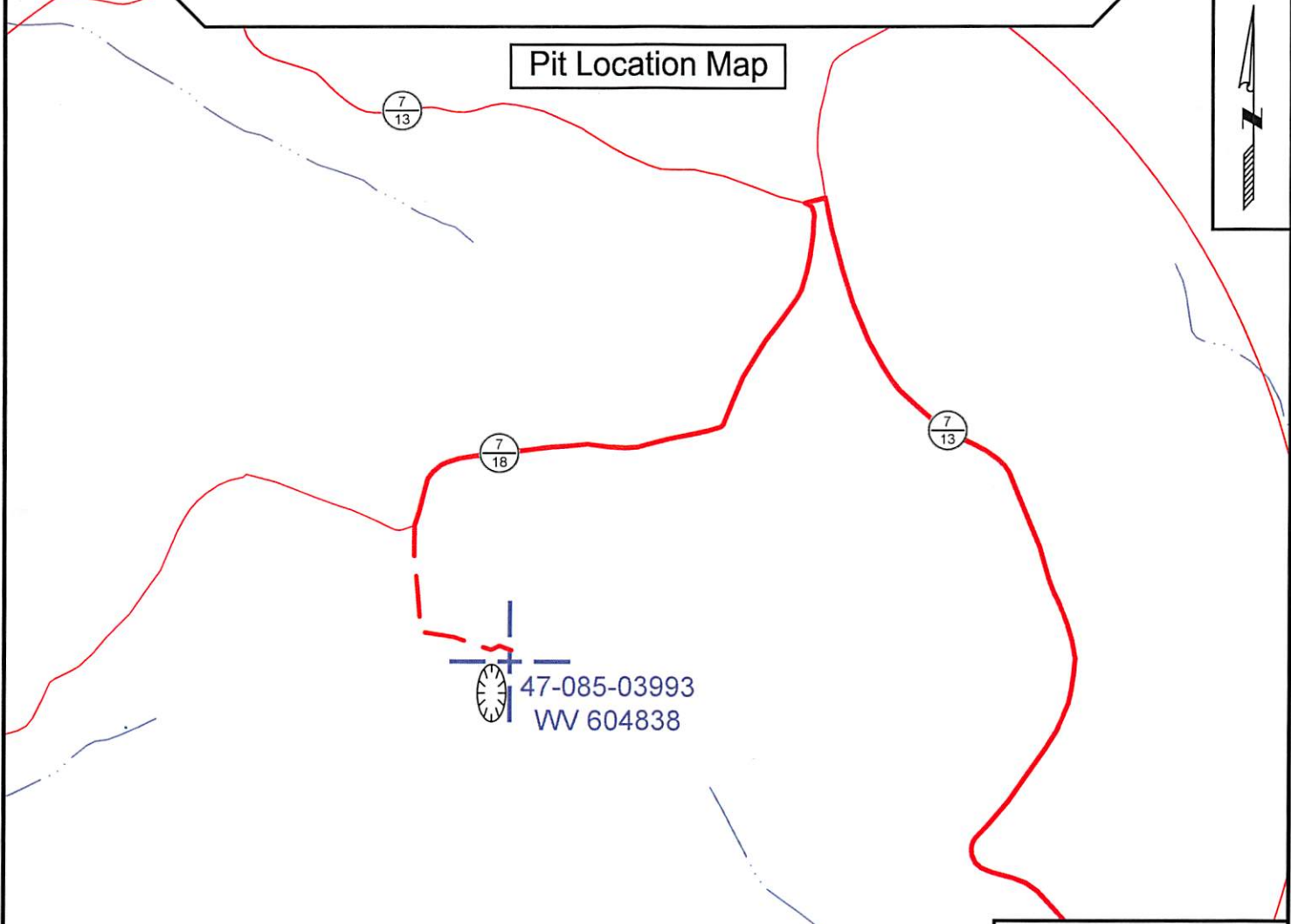
Project No: 68-38-00-08

WV Department of
Environmental Protection

Highway

47-085-03993 WV 604838 (Smith #4838)

Pit Location Map



47-085-03993
WV 604838

NAD 27, North Zone
N:229949.67
E:1618079.10

WGS 84
LAT:39.123567
LONG:-80.846028
ELEV:1097.20

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

P.O. Box 280
Bridgeport, WV 26330

Topo Quad: Auburn 7.5'

Scale: 1" = 200'

RECEIVED
Office of Oil and Gas

County: Ritchie

Date: October 19, 2017

NOV 22 2017

District: Union

Project No: 68-38-00-08

WV Department of
Environmental Protection

47-085-03993 WV 604838 (Smith #4838)

Topo

Pit Location Topo



7
18

Existing Well
Access Road



47-085-03993
WV 604838

NAD 27, North Zone
N:229949.67
E:1618079.10

WGS 84
LAT:39.123567
LONG:-80.846028
ELEV:1097.20

LEGEND



Proposed Pit Location



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PH: (304) 649-8606
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PREPARED FOR:

EQT Production Company

P.O. Box 280
Bridgeport, WV 26330

Topo Quad: Auburn 7.5'

Scale: 1" = 2000'

NOV 22 2017

County: Ritchie

Date: October 19, 2017

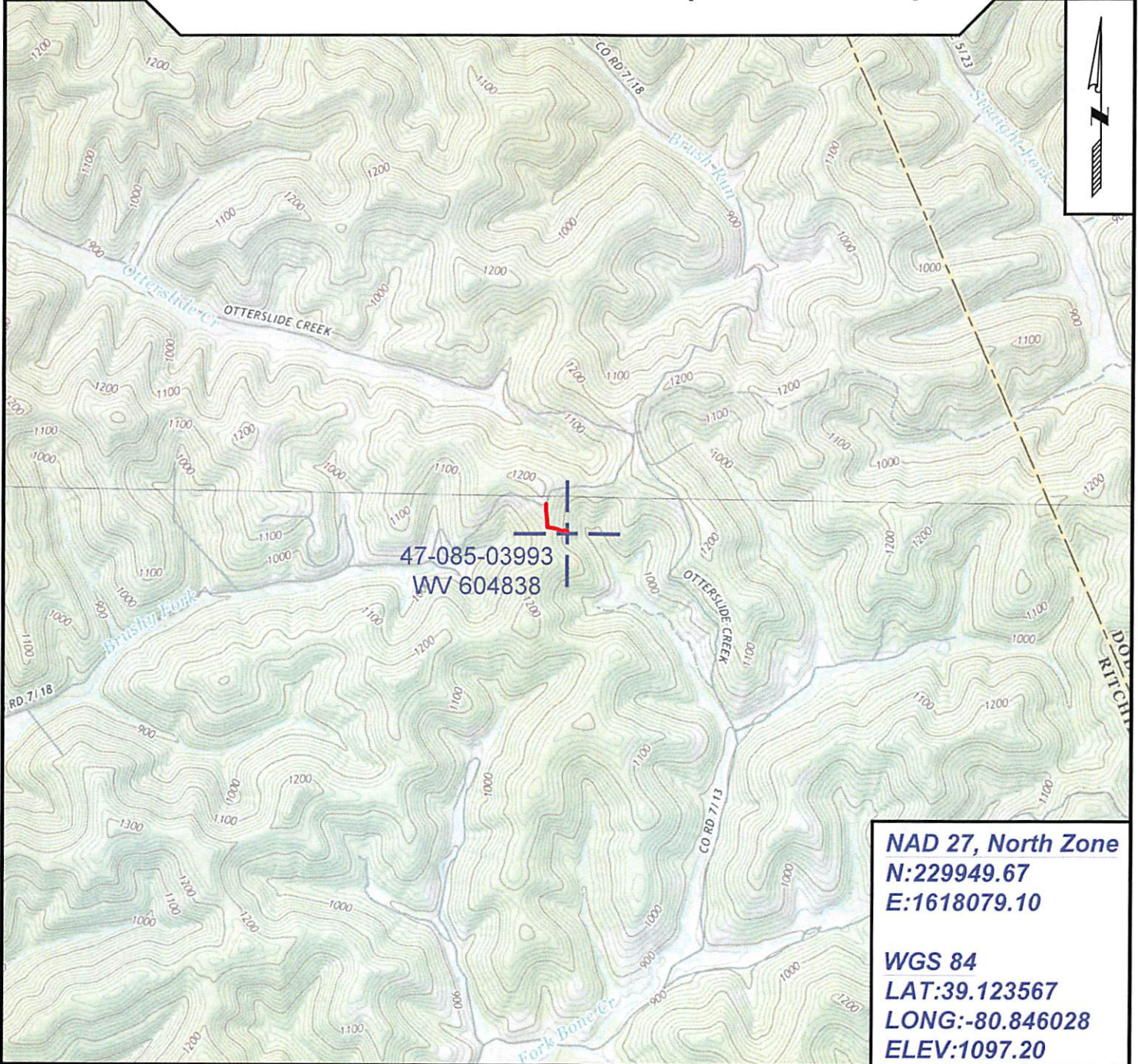
WV Department of
Environmental Protection

District: Union

Project No: 68-38-00-08

47-085-03993 WV 604838 (Smith #4838)

Topo



NAD 27, North Zone
N:229949.67
E:1618079.10

WGS 84
LAT:39.123567
LONG:-80.846028
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SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

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237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8606
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PREPARED FOR:

EQT Production Company

P.O. Box 280
Bridgeport, WV 26330



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
 LEASE NAME AND WELL No. Smith #4838 - WV 604838 - API No. 47-085-03993

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 604838.

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Office of Oil and Gas

NOV 22 2017

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 Rd
Alum Creek, WV 25003
phone: 304-756-2949
fax: 304-756-2948

MARTINSBURG OFFICE
25 Lights Addition Drive
Martinsburg, WV 25404
phone: 304-901-2162
fax: 304-901-2182

Topo Quad: Auburn 7.5'

Scale: 1" = 2000'

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County: Ritchie

Date: October 19, 2017

NOV 22 2017

District: Union

Project No: 68-38-00-08

WV Department of
Environmental Protection

Water

47-085-03993 WV 604838 (Smith #4838)

No Potential Water Sources within 1000'

47-085-03993
WV 604838



NAD 27, North Zone
N:229949.67
E:1618079.10

WGS 84
LAT:39.123567
LONG:-80.846028
ELEV:1097.20



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

P.O. Box 280
Bridgeport, WV 26330

WW-7
8-30-06



85-03993 P
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WV Department of
Environmental Protection

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

API: 47-085-03993 WELL NO.: WV 604838 (Smith #4838)

FARM NAME: J. P. Smith

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Ritchie DISTRICT: Union

QUADRANGLE: Auburn 7.5'

SURFACE OWNER: Jerry Allen Riddle, et al.

ROYALTY OWNER: Jerry Allen Riddle, et al.

UTM GPS NORTHING: 4330501

UTM GPS EASTING: 513309 GPS ELEVATION: 334 m (1097 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.

Signature

PS # 2180
Title

10/26/17
Date