Wednesday, January 03, 2018
WELL WORK PERMIT
Vertical / Plugging

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

Re: Permit approval for 4822
47-085-03992-00-00

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: 4822
Farm Name: CAMPBELL
U.S. WELL NUMBER: 47-085-03992-00-00
Vertical / Plugging

Date Issued:

Promoting a healthy environment.
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.
STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

<table>
<thead>
<tr>
<th>4) Well Type:</th>
<th>Oil</th>
<th>Gas</th>
<th>Liquid Injection</th>
<th>Waste Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>If Gas, Production</td>
<td>X</td>
<td>Or Underground storage</td>
<td>Deep</td>
<td>Shallow</td>
</tr>
</tbody>
</table>

5) Elevation: 1107 ft.  
Watershed: Otterslide Creek  
Location: Union  
County: Ritchie  
District:  

6) Well Operator: EQT Production Company  
Address: 120 Professional Place  
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: HydroCarbon Well Service  
Name:  
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.

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

RECEIVED
Office of Oil and Gas  
NOV 22 2017  
WV Department of Environmental Protection
PLUGGING PROGNOS

604822
J.M. Campbell
API# 47-085-003992
District,
Ritchie County, WV

BY:    R Green
DATE:  10/17/17

CURRENT STATUS:
1D @ 2071'
Elevation @ 1106'

10" casing @ 185'
8 1/4" casing @ 980'
6 5/8" casing @ 1916'
3" tubing @ 2017' (Set on 3"X 6 5/8" packer @ 1950')

Fresh Water @ None Reported
Saltwater @ None Reported
Oil Show @ None Reported
Gas shows @ 1605' (2nd Salt Sand), 1965' (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 1965'.
3. TIH and cut 3" tubing @ top of packer @ 1950', TOOH 3" tubing.
4. TIH and spot 30 bbl. of 6% gelled water followed by a 250' C1A cement plug, 1950' to 1700'
   (Packer @ 1950', and 6 5/8" casing seat).
5. WOC 8 hrs. Tag TOC, add additional C1A cement if necessary.
6. Free point 6 5/8" casing, cut casing @ free point, TOOH casing.
7. Set 100' C1A cement plug 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil
   and gas shows below cut. Do not omit any plugs.
8. TOOH to 1200' set a 350' C1A cement plug 1200' to 850' (Elevation and 8 1/4" casing seat).
9. Free point 8 1/4" casing, cut casing @ free point, TOOH casing.
10. Set 100' C1A cement plug 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil
    and gas shows below cut. Do not omit any plugs.
11. TOOH to 335' set a 200' C1A cement plug 335' to 135'. (10" casing seat).
12. Free point 10" casing, cut casing @ free point, TOOH casing.
13. Set a C1A cement plug 50' in casing cut to surface. Perforate all saltwater, freshwater, 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 @
    100', 75', & 50'. TIH to 135', and set a 135' C1A cement plug 135' to surface.
15. Erect monument with API#, date plugged, company name, and company 6-digit ID#.
16. Reclaim location and road to WV-DEP specifications.
<table>
<thead>
<tr>
<th>FORMATIONS</th>
<th>TOP</th>
<th>BOTTOM</th>
<th>GAS AT</th>
<th>OIL AT</th>
<th>WATER AT</th>
</tr>
</thead>
<tbody>
<tr>
<td>WAYNESBURG COAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mapleton</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pittsburgh</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9/10/22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Freeport COAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>U.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FILE</td>
<td>VAMPION LINE</td>
<td>CLARION COAL</td>
<td>BROOKVILLE COAL</td>
<td>1ST GAS SAND</td>
<td>HANCOCK COAL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CATION</td>
<td>1ST SALT SAND</td>
<td>1ST SALT SAND</td>
<td>1ST SALT SAND</td>
<td>1ST SALT SAND</td>
<td>1ST SALT SAND</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INT OF MINES DATA</td>
<td>1ST SALT SAND</td>
<td>1ST SALT SAND</td>
<td>1ST SALT SAND</td>
<td>1ST SALT SAND</td>
<td>1ST SALT SAND</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BOUNDARY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DATE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NO.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SIZE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M.C.F.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL DEPTH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OPEN FLOW VOLUME & PRESSURE DATA

<table>
<thead>
<tr>
<th>LIQUID</th>
<th>SIZE</th>
<th>VOLUME</th>
<th>PRODUCING SAND</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

REPAIR AND DRILLING DEEPER

<table>
<thead>
<tr>
<th>REASON</th>
<th>COMMENCED</th>
<th>COMPLETED</th>
<th>CID/TO</th>
<th>VOLUME</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SHOOTING RECORD

<table>
<thead>
<tr>
<th>PREVIOUS</th>
<th>PRESENT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

4) Surface Owner(s) to be served:
   (a) Name: Craig and Amy Williams
       Address: 6390 Rotherby Circle
                 Hudson, OH 44236

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

   (b) Coal Owner(s) with Declaration
   Name: Craig and Amy Williams
       Address: 6390 Rotherby Circle

   (c) Coal Lessee with Declaration
   Name: None
   Address:

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

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 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 reverse 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.

<table>
<thead>
<tr>
<th>Well Operator:</th>
<th>EQT Production Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>By:</td>
<td>Victoria J. Roark</td>
</tr>
<tr>
<td>Its:</td>
<td>Regional Land Supervisor</td>
</tr>
<tr>
<td>Address:</td>
<td>PO Box 280</td>
</tr>
<tr>
<td>Telephone:</td>
<td>(304) 848-0076</td>
</tr>
</tbody>
</table>

Subscribed and sworn before me this 14th day of November, 2017
My Commission Expires: 2/20/18

Notary Public

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.
STATE OF NEW YORK
COUNTY OF

OFFICE OF THE PROSECUTOR

NOTICE OF INTENT TO FILE A COMPLAINT

I, the undersigned, do hereby give notice to the following person or persons, that a complaint has been filed and is about to be presented against them by me, the undersigned.

The complaint is based on the following facts:

1. [Provide specific details of the complaint.]

2. [Provide additional details as necessary.]

The nature of the complaint is as follows:

[Describe the nature of the complaint.]

I hereby request that [provide any necessary legal actions or procedures to follow the complaint.]

[Signature]

[Name]

[Address]

[Date]

[Additional contact information if necessary.]
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
FLUIDS / CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name:  
EQT PRODUCTION COMPANY
OP CODE:

Watershed (HUC 10):  Otterslide Creek
Quadrangle:  Oxford 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:

Will a synthetic liner be used in the pit?  
Yes  
No

Is so, what ml?  
10 ml

Formation Fluids

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 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 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
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 hydrosseed.

SEED MIXTURES

Area I

<table>
<thead>
<tr>
<th>Seed Type</th>
<th>lbs/acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Fescue</td>
<td>40</td>
</tr>
<tr>
<td>Alsike Clover</td>
<td>5</td>
</tr>
<tr>
<td>Annual Rye</td>
<td>15</td>
</tr>
</tbody>
</table>

Area II

<table>
<thead>
<tr>
<th>Seed Type</th>
<th>lbs/acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Fescue</td>
<td>15</td>
</tr>
<tr>
<td>Alsike Clover</td>
<td>5</td>
</tr>
</tbody>
</table>

ATTACH:

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

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
Highway

47-085-03992 WV 604822 (Campbell #4822)

Pit Location Map

Existing Well Access Road

47-085-03992
WV 604822

LEGEND

NAD 27, North Zone
N: 231,400.08
E: 1,618,297.11

WGS 84
LAT: 39.127567
LONG: -80.845336
ELEV: 1106.74

SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLELHENY SURVEYS, INC.
1-800-482-8606
237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8806
FAX: (304) 649-8608

PREPARED FOR:
EQT Production Company
P.O. Box 280
Bridgeport, WV 26330
POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EOT PRODUCTION COMPANY
LEASE NAME AND WELL No. Campbell #4822 - WV 604822 - API No. 47-085-03992

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000’ of the existing well WV 604822.

RECEIVED
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: 304-848-5033
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
47-085-03992 WV 604822 (Campbell #4822)

No Potential Water Sources within 1000'

NAD 27, North Zone
N: 231,400.08
E: 1,618,297.11

WGS 84
LAT: 39.127567
LONG: -80.845336
ELEV: 1106.74
West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-085-03992   WELL NO.: WV 604822 (Campbell #4822)

FARM NAME: J. M. Campbell

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Ritchie   DISTRICT: Union

QUADRANGLE: Oxford 7.5’

SURFACE OWNER: Craig and Amy Williams

ROYALTY OWNER: Craig H. Williams, et al.

UTM GPS NORTHING: 4330944

UTM GPS EASTING: 513369   GPS ELEVATION: 337 m (1107 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:

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
Title
Date