Friday, January 26, 2018
WELL WORK PERMIT
Vertical / Plugging

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

Re: Permit approval for WV 606226  C. M. GARRETT 6226
47-021-01695-00-00

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: WV 606226  C. M. GARRETT 6226
Farm Name: BEAVER, CHARLES P.
U.S. WELL NUMBER: 47-021-01695-00-00
Vertical / Plugging
Date Issued: 1/26/2018

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

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

5) Location: 1083 ft. Watershed: Horn Creek
   Elevation: County: Gilmer Quadrangle: Auburn 7.5'
   District: Troy

6) Well Operator: EOT Production Company
   Address: Bridgeport, WV 26330

7) Designated Agent: Rex C. Ray
   Address: 120 Professional Place

8) Oil & Gas Contractor: HydroCarbon Well Service
   Name: Danny Mullins
   Address: 220 Jack Acres Road

9) Plugging Address: PO BOX 995
   Name: Buckhannon, WV 26201
   Address: 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 _______ 12-4-17
PLUGGING PROGNOS

606226
C.M. Garrett #6226
API# 47-021-01695
District, Troy
Gilmer County, WV

BY: R Green
DATE: 10/08/17

CURRENT STATUS:
TD @ 2143’
Elevation @ 1071’

10” casing @ 142’
8 1/4” casing @ 1100’ (Pulled)
5 3/16” casing @ 2090’
2” tubing” @ 2088’

Fresh Water @ None Reported
Saltwater@ None Reported
Oil Show @ 2079’
Gas shows @ 2090’
Coal @ None Reported

1. Notify inspector, Danny Mullins, @ 304-932-6844, 24 hrs. prior to commencing operations.
2. TOOH 2” tubing, TIH and check TD @ or below 2125’.
3. TIH, spot 30 bbl. of 6% gelled water followed by a 200’ C1A cement plug, 2125’ to 1925’.
   (Gas show @ 2090’, oil show @ 2079’, & 5 3/16” casing seat). WOC 8 hrs. Tag TOC add
   additional C1A cement if necessary.
4. Free point 5 3/16” casing, cut casing @ free point, TOOH 5 3/16” casing.
5. Set a 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.
6. TOOH to 1200’ set a 300’ C1A cement plug 1200’ to 900’ (8 1/4” casing seat, elevation).
7. TOOH to 500’ set a 400’ C1A cement plug 500’ to 100’. (10’ casing seat).
8. Free point 10” casing, cut casing @ free point, TOOH 10” casing.
9. Set a 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.
10. * Note, if unable to cut and pull 10”, TIH and perforate 10” casing with 4 holes @ 75’. TIH
    to 100’ set a 100’ C1A cement plug 100’ to surface.
11. Erect monument with API#, date plugged, & company name.
12. Reclaim location and road to WV-DEP specifications.

RECEIVED
Office of Oil and Gas
NOV 22 2017
WV Department of Environmental Protection
**WELL RECORD**

Company: Willard F. Farrell-Inter-County Dev. Co  
Address:  P.O. Box 505c, Philadelphia, Pa. 19111

Farm: D.W.Cole  
Acres: 144

Location (waters): Branch of Don Creek

Well No.: 1

District: Troy  
County: Gilmer

Mineral rights are owned by: C.W. Garrett, heirs

Address: Weston, W.Va.

Drilling commenced: Apr. 7, 1965

Date Shot: From 13-75 to

With:

Open Flow: 10x 6/10ths Water in - 2 inch

Volume: 115 M

Rock Pressure: 650 lbs 12 hrs.

Well Acidized:

Result After Treatment:

Rock Pressure After Treatment: 44/16 3255 12850 10750

Fresh Water Surface only Feet

Salt Water Feet

Remarks

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**CASING CEMENTED**  
Size: 10.50 in  
No. of pipe: 12  
Date: May 12, 1965

Cemented 27 hrs.

Coal was Encountered at 1275 feet

500 gal acid

Drilling was halted due to unknown cause.

**RESULT AFTER TREATMENT:**

44/16 3255 12850 10750

375 ft. (dropped from lease unknown cause)

**RECEIVED**

Office of Oil and Gas

DEC 10 2017

WV Department of Environmental Protection
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**Total Depth**

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RECEIVED
Office of Oil and Gas

NOV 22 2017
WV Department of Environmental Protection

Date: June 8, 1965

APPROVED: __________________________
Owner

By: __________________________
(Title)
STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

4) Surface Owner(s) to be served:
   (a) Name: Charles Delbert Cole, II
      Address: P. O. Box 1100
                Jane Lew, WV 26378

   (b) Name: ____________________________
      Address: ____________________________

   (c) Name: ____________________________
      Address: ____________________________

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

   (b) Coal Owner(s) with Declaration
      Name: Charles Delbert Cole, II
      Address: P. O. Box 1100
                Jane Lew, WV 26378

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

6) Inspector
   Name: Danny Mullins
   Address: 220 Jack Acres Road
             Buckhannon, WV 26201
   Telephone: (304) 932-6844

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.

<table>
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<tr>
<th>Well Operator: Victoria J. Roark</th>
<th>EQT Production Company</th>
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<tbody>
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<td>By:</td>
<td>Regional Land Supervisor</td>
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<tr>
<td>Its:</td>
<td>PO Box 280</td>
</tr>
<tr>
<td>Address:</td>
<td>Bridgeport, WV 26330</td>
</tr>
<tr>
<td>Telephone:</td>
<td>(304) 848-0076</td>
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</table>

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

My Commission Expires: 21-01695

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 depprivacy@dep.wv.gov.
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
FLUIDS / CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name: EQT PRODUCTION COMPANY

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

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

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?

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

Notary Public

STATE OF W
OFFICE OF NOTARY PUBLIC
Misty S. Christie
1207 Briercort Road
Bridgeport, WV 26330

Notary Commission Expires February 27, 2018
LEGEND

Property Boundary
Road
Planned Fence
Existing Fence
Open Ditch
Spring
Drain Pipe with size in inches
Stream
Artificial Filter Strip
Cross Drain
Rock

N
North
Building
Water well
Drill site

Pit with Cut Walls
Pit with Compacted Walls
Area of Land Application of Pit Waste

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

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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: ____________________________

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

47-021-01695 WV 606226 (Garrett #6226)

Pit Location Map

Existing Well Access Road

NAD 27, South Zone
N:762,519.80
E:2,055,822.49

WGS 84
LAT:39.093895
LONG:-80.803166
ELEV:1082.57

LEGEND

Proposed Pit Location

SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

PREPARED FOR:

EQT Production Company

1-800-482-3606
237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8506
FAX: (304) 649-8608

P.O. Box 280
Bridgeport, WV 26330
POTENTIAL WATER SAMPLE DATA SHEET

CLIENT:  
EQT PRODUCTION COMPANY

LEASE NAME AND WELL No.  
Garrett #6226 WV 606226 47-021-01695

POTENTIAL SAMPLE LOCATIONS

Site:  
Spacing:  
576  
Owner:  
Debra M. Moss

Address:  
354 WV Highway 47 W., Linn, WV 26384

Phone No.  

Comments:  

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
47-021-01695 WV 606226 (Garrett #6226)

1 Potential Water Source within 1000'

47-021-01695
WV 606226

Site 1

NAD 27, South Zone
N: 762,519.80
E: 2,055,822.49

WGS 84
LAT: 39.093895
LONG: -80.803166
ELEV: 1082.57

SURVEYING AND MAPPING SERVICES PERFORMED BY:
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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
West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-021-01695        WELL NO.: WV 606226 (Garrett #6226)

FARM NAME: D. W. Cole

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Gilmer          DISTRICT: Troy

QUADRANGLE: Auburn 7.5'

SURFACE OWNER: Charles Delbert Cole II, et al.

ROYALTY OWNER: C. M. Garrett Heirs Trust

UTM GPS NORTHING: 4327215

UTM GPS EASTING: 517022        GPS ELEVATION: 330 m (1083 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: 25# 2180
Date: 11/6/17