July 16, 2015

WELL WORK PERMIT
Partial Plug

This permit, API Well Number: 47-5101725, issued to CHEVRON APPALACHIA, LLC, 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 all 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 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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) 926-0499 ext. 1654.

James Martin
Chief

Operator's Well No: BERGER 3H
Farm Name: BERGER, GARY & LINDA
API Well Number: 47-5101725
Permit Type: Partial Plug
Date Issued: 07/16/2015

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.
1) Date May 11, 2015
2) Operator's
   Well No. 3H
3) API Well No. 47-31

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

5) Location: Elevation 1292'
   District Clay
   Watershed
   County Marshall
   Quadrangle Glen Eason, WV 7.5'

6) Well Operator: Chevron Appalachia, LLC
   Address 800 Mountain View Drive
            Smithfield, PA 15478

7) Designated Agent
   Address

8) Oil and Gas Inspector to be notified
   Name: James Nicholson
   Address: P.O. Box 44
            Moundsville, WV 26041

9) Plugging Contractor
   Name
   Address

10) Work Order: The work order for the manner of plugging this well is as follows:
    See attached.

RECEIVED
Office of Oil and Gas
MAY 29 2015
WV Department of Environmental Protection

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

Work order approved by inspector [Signature] Date 5/18/15

07/17/2015
Berger 3H TA Procedure

Current Depth: 12,026  9-5/8” Shoe Depth: 8,533’  MW: 15 ppg

1. TIH to bottom w/ DP (float in string 5 stds back of stinger) and 1000’ of 3.5” Stinger
2. CBU through choke, CBU again across shakers
3. Set minimum 750’ balanced cement plug F/ 12,026’ – 11,276’
4. POOH slowly 1 stand above projected TOC
5. Set minimum 750’ balanced cement plug F/ 11,276’ – 10,352’
6. POOH slowly 1 stand above projected TOC and circulate out long way (pump nerf ball)
7. POOH to 9-5/8” shoe and WOC per SLB cement lab test
8. Tag top of plug to confirm TOC and note in wellview (tag with 5-10k)
9. Repeat steps 3-8 above for 2 – minimum 750’ plugs (9400’ – 7589’)
   a. POOH 3 stands above projected TOC when WOC to tag after 1500’ plug is set
10. POOH & LD 1000’ of 3.5” stinger (remove float in string)
11. PU SLB 9-5/8” Cast Iron BP #1
12. RIH T/ 5,600’ and set Cast Iron BP
13. POOH LD SLB Hydraulic setting tool
14. Pressure Test CIBP (1000 psi)
15. RIH to top of CIBP w/ 5” DP
16. Set 300’ balanced cement plug on 5” DP (no excess)
17. POOH slowly 1 stand above projected TOC @ 5300’
18. Circulate hole pumping nerf ball
19. POOH and PU SLB Hydraulic setting tool (no need to WOC)
20. PU SLB 9-5/8” Cast Iron BP #2
21. RIH T/ 5,300’ and set Cast Iron BP
22. Pressure Test CIBP (1000 psi)
23. POOH LD Singles & SLB Hydraulic setting tool

Note all volumes to be done by SLB CemCade and confirmed by DSM on location

SLB lab testing will confirm wait time before tagging TOC (50 psi UCA)

Pull out of CMT Plug ~ 30’/min

Cement plugs in open with minimum 10% OH excess
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPlicate, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Berger  Operator Well No.: 3H

LOCATION: Elevation: 1292'  Quadrangle: Glen Easton, WV 7.5'
District: Clay  County: Marshall
Latitude: 39° 30' 30"  Feet South of 39 Deg. 52 Min. 30 Sec.
Longitude: 80° 45' 00"  Feet West of 1264' 30"  Sec.

Well Type: OIL  GAS X

Company  Chevron Appalachia, LLC  Coal Operator or Owner  Consolidated Coal Company c/o Leatherwood, Inc.
800 Mountain View Drive  1000 Consol Energy Drive
Smithfield, PA 15478  Canonsburg, PA 15317

Agent  
Permit Issued Date  5/27/2014

STATE OF Pennsylvania
County of Fayette

Derek Hoge  ss:  and  Alexey Sachivichik  being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well say that said work was commenced on the 1st day of May, 2015 and the well was plugged and filled in the following manner:

<table>
<thead>
<tr>
<th>TYPE</th>
<th>FROM</th>
<th>TO</th>
<th>PIPE REMOVED</th>
<th>LEFT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cement Plug 1</td>
<td>12,025'</td>
<td>10,352'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cement Plug 2</td>
<td>9400'</td>
<td>7585'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cast Iron Bridge Plug 1</td>
<td>5600'</td>
<td>5300'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cast Iron Bridge Plug 2</td>
<td>5290'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9-5/8&quot; Casing</td>
<td>Surface</td>
<td>8,533'</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Description of monument 13-5/8" FMC UH 1 Wellhead said well was completed on the 6th day of May, 2015.

And further deponents saith not

Sworn and subscribed before me this 3rd day of June, 2015.

My commission expires Sept 2, 2018

Affidavit reviewed by the Office of Oil and Gas:  

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Kristen Brooks, Notary Public
Smithfield Boro, Fayette County
My Commission Expires Sept. 2, 2018

07/17/2015
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:
(a) Name: Gary Keith & Linda Berger
Address:
1305 Center Street
Moundsville, WV 26041

(b) Name:
Address:

(c) Name:
Address:

5) (a) Coal Operator
Name:
Address:

(b) Coal Owner(s) with Declaration
Name: Consolidated Coal Company c/o Leatherwood, Inc.
Address: 1000 Consol Energy Drive
Canonsburg, PA 15317

(c) Coal Lessee with Declaration
Name:
Address:

6) Inspector
Name: James Nicholson
Address: P.O. Box 44
Moundsville, WV 26041
Telephone: 304-552-3874

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-1B, 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 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.

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Kristen Brooks, Notary Public
Smithfield Boro, Fayette County
My Commission Expires Sept. 2, 2018
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Well Operator: Chevron Appalachia, LLC
By: [Signature]
Its: [Position]
Address: 600 Mountain View Drive
Smithfield, PA 15478
Telephone: 724-564-3700

RECEIVED
Office of Oil and Gas
MAY 29, 2015

Subscribed and sworn before me this 12th day of May, 2015, Notary Public, WV Department of Environmental Protection
My Commission Expires Sept. 2, 2018

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.
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name: Chevron Appalachia, LLC
Watershed (HUC 10) - Middle Grave Creek - Grave Creek Quadrangle: Powhatan, OH-WV 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 [ ] No [X]
If so, please describe anticipated pit waste:
Will a synthetic liner be used in the pit? Yes [ ] No [ ] If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:
- Land Application
- 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: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A
- 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. N/A
- 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 August 1, 2005, 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 involved, I am responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are substantial penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature: Jenny Hayes
Company Official (Typed Name): Jenny Hayes
Company Official Title: Permitting Team Lead

Subscribed and sworn before me this 12th day of May, 2015.

Notary Public
My commission expires Sept 2, 2018
Form WW-9

Chevron Appalachia, LLC

Proposed Revegetation Treatment: Acres Disturbed 21.2 Prevegetation pH 7

Lime 1 Tons/acre or to correct to pH 6.5-7

Fertilizer type 10-20-20

Fertilizer amount 1000 lbs/acre

Mulch 3 Tons/acre

Seed Mixtures

<table>
<thead>
<tr>
<th>Temporary</th>
<th>Permanent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seed Type</td>
<td>Seed Type</td>
</tr>
<tr>
<td>Annual Ryegrass Mixture</td>
<td>Perennial Ryegrass Mixture</td>
</tr>
<tr>
<td>48.4 lbs/acre</td>
<td>435.6 lbs/acre</td>
</tr>
<tr>
<td></td>
<td>Creeping Red Fescue or Chewings Descue</td>
</tr>
<tr>
<td></td>
<td>Kentucky Bluegrass Mixture</td>
</tr>
</tbody>
</table>

Attach:
Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments:

________________________________________

Title: Oil & Gas Inspector

Field Reviewed? (✓) Yes (___) No

Date: 5/18/15

RECEIVED
Office of Oil and Gas
MAY 29 2015

WV Department of Environmental Protection

07/17/2015
CHECKLIST FOR FILING A PERMIT

Partial Plug

☐ WW-2B
☐ Inspector signature on WW-2B
☒ Completion / Well Records of Previous Work
☐ WW-2A (Notarized)
☐ Certified Mail Receipts, Waivers, or Affidavits of Personal Service
☐ Surface Owner Waiver
☐ Coal Owner / Lessee /Operator Waiver
☐ WW-2A-1 (Signed) Showing Book/Page Number and Royalty Percentage
☐ WW-9 (Page 1 & 2) (Notarized)
☐ More than 5,000 bbls
☒ Inspector Signature on WW-9
☐ Reclamation plan
☐ Topographic Map of location of well
☐ Mylar Plat (Signed Sealed) (Surface owner on plat matches WW-2A)
☐ Bond
☐ Company is Registered with the SOS
☐ Worker's Compensation / Unemployment Insurance account is OK
☐ $650.00 check ($550.00 if no pit)
☐ Mine Data
☐ Addendum
☐ Professional Engineer/Company has COA