July 09, 2013

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5101484, issued to NOBLE ENERGY, INC., 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.

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. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin
Chief

Operator's Well No: SHL4AHS
Farm Name: MCCaulsand, Richard E.
API Well Number: 47-5101484
Permit Type: Plugging
Date Issued: 07/09/2013

Promoting a healthy environment.
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 1252.12
   District Sand Hill

   Watershed Wheeling Creek
   County Marshall
   Quadrangle Majorsville 7.5

   Address 333 Technology Drive Suite 116
   Canonsburg, PA 15317

7) Designated Agent Steven M. Green
   Address 500 Virginia Street East
   Charleston, WV 25301

8) Oil and Gas Inspector to be notified
   Name Bill Hendershot
   Address 403 James Street
   Mannington, WV 26582

9) Plugging Contractor
   Name
   Address

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

    Please see attached plugging procedure

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

Work order approved by inspector __________________________ Date ______________

07/12/2013
SHL 4A and SHL 4B Plug and Abandonment Procedure

Noble Energy, Inc. – Appalachia Business Unit

Well: SHL 4A and SHL 4B
Pad: SHL4
Map Quad: Majorsville
County: Marshall
State: West Virginia

Objective:
- Plug and Abandon

Current Status:
- Conductor Casing 30" 81.3# L.S. set @ 40' and cemented with 5 1/2 yards

Plug and Abandonment Procedure:

1. Arrange for surveyor to survey location of the well and create a plat showing where the fixed plate will be installed on the wellhead post plugging operations
2. Plugging operations cannot begin until approved permit is received from the state with their approval
3. Hold Safety Meeting and JSA
4. Ensure all proper paperwork required is filled out and approved prior to starting the job
5. MIRU cement company
   a. Class A cement to be used
6. Remove plate from top of well
7. Begin filling hole with Class A cement
   a. Hole to be filled to surface with cement
   b. Top off cement at surface as needed
8. RDMO cement company
9. Install wellhead plate on top of conductor
   a. Plate to be welded on conductor with API number welded on top of plate
10. RDMO all equipment
11. Plugging affidavit to be filled out and provided to Noble regulatory group with pictures of the completed wellhead

ABOVE-GROUND MONUMENT MARKERS A & B MUST BE READILY VISIBLE, PERMANENT AND PROVIDE DISTANCE & BEARING INFORMATION TO THE PLUGGED WELL.
Farm name: Richard E. McCausland  Operator Well No.: SHL4AHS

LOCATION: Elevation: 1252.12  Quadrangle: Majorsville

District: Sand Hill  County: Marshall

Latitude: 37.509'  Feet South of 40 Deg. 00' Min. 00' Sec.
Longitude: 82.797'  Feet West of 80 Deg. 32' Min. 30' Sec.

Company: CNX Gas Company, LLC

<table>
<thead>
<tr>
<th>Address: 1000 Consol Energy Dr. Canonsburg, PA</th>
<th>Casing &amp; Tubing</th>
<th>Used in drilling</th>
<th>Left in well</th>
<th>Cement fill up Cu. Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>20''</td>
<td>40'</td>
<td>40'</td>
<td>5.5 yds</td>
</tr>
</tbody>
</table>

Agent: Kent Wright  Inspector: Derek Haught

Date Permit Issued: 5/11/2011  Date Well Work Commenced: 5/19/2012
Date Well Work Completed: 5/21/2012  Verbal Plugging:

Date Permission granted on:

- Rotary  Cable  Rig [✓]
- Total Vertical Depth (ft): 40'
- Total Measured Depth (ft): 40'
- Fresh Water Depth (ft.): not penetrated
- Salt Water Depth (ft.): not penetrated
- Is coal being mined in area (N/Y)?  yes
- Coal Depths (ft.): none penetrated
- Void(s) encountered (N/Y)  Depth(s) N

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation N/A  Pay zone depth (ft) N/A

Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow N/A MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure N/A psig (surface pressure) after N/A Hours

Second producing formation N/A  Pay zone depth (ft) N/A

Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow N/A MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure N/A psig (surface pressure) after N/A Hours

Received Office of Oil & Gas

Received Office of Oil & Gas

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments 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.

Signature  Date  07/12/2013
Were core samples taken? Yes ___ No X ___
Were cuttings caught during drilling? Yes ___ No X ___
Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list No  

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

None

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth
Surface:

Conductors only were set and at a depth of 40'.
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: Richard E. McCausland  
       Address: PO Box 24
                 West Liberty, WV 26074-00024

(b) Name:  
       Address:  

(c) Name:  
       Address:  

5) Coal Operator
   (a) Name: Consolidation Coal Company  
       Address: 1000 Consol Energy Drive
                 Canonsburg, PA 15317

(b) Coal Owner(s) with Declaration
       (b) Name: Consolidation Coal Company  
       Address: 1000 Consol Energy Drive
                 Canonsburg, PA 15317

(c) Coal Lessee with Declaration
       Name:  
       Address:  

6) Inspector
   Name: Bill Hendershot  
   Address: 403 James Street
             Mannington, WV 26582  
   Telephone: 304-206-7750

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's 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.

Well Operator: Noble Energy, Inc.
   By: Laura L. Adkins
   Its: Regulatory Analyst
   Address: 333 Technology Drive Suite 116
             Canonsburg, PA 15317
   Telephone: 724-820-3118

Subscribed and sworn before me this 6th day of June, 2020
My Commission Expires 7/1/2020

Received
Office of Oil & Gas

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.

07/12/2013
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name: Noble Energy, Inc. OP Code: 494501907

Watershed: Wheeling Creek Quadrangle: Majorsville 7.5

Elevation: 1252.12 County: Marshall District: Sand Hill

Description of anticipated Pit Waste: None

Will a synthetic liner be used in the pit? No Pit to be Utilized.

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 )

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain )
- Swabbing
- Plugging

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 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: Laura L. Adkins

Company Official (Typed Name): Regulatory Analyst

Subscribed and sworn before me this 6 day of June, 2013

Maria A. Yanni Notary Public

My commission expires 05/10/15

07/12/2013
Proposed Revegetation Treatment: Acres Disturbed less than 1
Prevegetation pH 5.5

Lime 3 Ton/Acre Tons/acre or to correct to pH

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

Mulch Hay or Straw at 2 Tons/acre

Seed Mixtures

<table>
<thead>
<tr>
<th>Seed Type</th>
<th>Area I</th>
<th>lbs/acre</th>
<th>Area II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tall Fescue</td>
<td></td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Ladino Clover</td>
<td></td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

Attach:
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: William Hendershot

Comments:

Title: Oil and Gas Inspector

Date: 6-12-13

Field Reviewed? ( ) Yes ( ) No
Well is located on topo map 12,599' feet south of Latitude: 40° 00' 00".

LEGEND
- TOPO MAP POINT
- WELL
- ALL WELl POINTS UNLESS OTHERWISE NOTED
- WATER SOURCE
- LOGIC NUMBER USED ON REPORT IN GAS STATE
- MINERAL TRACT BOUNDARY
- ROAD LINES
- WELL REFERENCE
- PROPOSED WELl
- ROAD
- STREAM CENTER LINE
- WELl NOTE: " invisible"
- CESSPOOL WELl
- PIRED WELls

REFERENCE LINES
LINE REFERENCE DISTANCE
RT 5 17.29'24" E 1293.96'
RT 6 37.28'32" W 1044.62'
RT 7 61.55'03" E 750.72'

FILE #: SHL4AH= MONUMENT
DRAWING #: SHL4AH= MONUMENT
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT "THOMAS 1498.81”
PLACE SEAL HERE

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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed:

DATE: MAY 11, 2013
OPERATOR'S WELL #: SHL4AH
API WELL #: 47 51 01484
STATE COUNTY PERMIT

WELL TYPE: ☐ Oil ☒ Waste Disposal ☒ Gas ☒ Liquid Injection ☒ Storage ☒ Shallow
WATERSHED: WHEELING CREEK
COUNTY/DISTRICT: MARSHALL / SAND HILL
ELEVATION: 1252.12
SURFACE OWNER: RICHARD E. McCaULAND
ACREAGE: 88.2064
OIL & GAS ROYALTY OWNER: RICHARD E. McCaULAND
ACREAGE: 88.2064

DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☐
PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☒
CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY):

TARGET FORMATION: MARCELUS
ESTIMATED DEPTH: 40'±

WELL OPERATOR: NOBLE ENERGY, INC.
DESIGNATED AGENT: STEVEN M. GREEN
Address: 333 TECHNOLOGY DRIVE, SUITE 116
City: CANONSBURG State: PA Zip Code: 15317

Address: 500 VIRGINIA STREET EAST, UNITED CENTER SUITE 590
City: CHARLESTON State: WV Zip Code: 25301

07/12/2013
Gene Smith  
West Virginia Department of Environmental Protection  
Office of Oil and Gas  
601 57th St. S.E  
Charleston, WV 25304

Monument Variance Request

Dear Gene,

Noble Energy, Inc. wishes to plug SHL 4 AHS 51-01460 and SHL 4 BHS 51-01484. These wells were only drilled to 40’ and had conductor set. I have enclosed the WR-35 Report of Well Work for each. These wells were permitted by CNX and I have attached transfers which we request to be processed so that we may have the plugging permits in Noble’s name.

Noble Energy, Inc. is using this pad as a tank site to store freshwater. We have previously sent you the paperwork you requested for this use. Since this site is to be used for freshwater storage, we ask that we may be granted a Plugging Monument Variance. I have had the surveyors draw up plats indicating where the markers for the wells and detailing the location of the plugged wells and included those plats as part of the plugging applications. I have also enclosed a copy of the surface use agreement which shows we may store/impound water on this location to serve as our surface owner’s request for the variance.

Please let me know if you need further information or find deficiencies.

Sincerely,

Laura Adkins

Enclosure(s):