June 05, 2014

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-5101764, 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.

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: MND 99 V
Farm Name: CONSOLIDATION COAL COMPA
API Well Number: 47-5101764
Permit Type: Vertical Well
Date Issued: 06/05/2014

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. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.

2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.

3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.

4. 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.

5. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.

6. Well work activities shall not constitute a hazard to the safety of persons.
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION


2) Operator's Well Number: MND 99 V

3) Elevation: 1192'

4) Well Type: (a) Oil or Gas X

(b) If Gas: Production / Underground Storage

Deep X / Shallow X

5) Proposed Target Formation(s): Marcellus, Burkett

6) Proposed Total Depth: 6389' TVD 6825' MD Feet

7) Approximate fresh water strata depths: 518' and 655'

8) Approximate salt water depths: None noted in offsets

9) Approximate coal seam depths: Sewickley 673', Pittsburgh 763'

10) Approximate void depths, (coal, Karst, other): None Anticipated; Drilling in Pillar-see map attached

11) Does land contain coal seams tributary to active mine? Yes, Ireland Mine

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)

Well is to be drilled at a slight deviation (schematic attached) to the Marcellus between two MND 3 laterals. This well will be used to observe and measure fracturing data from the MND 3 laterals. Additional information is attached describing our proposed well work and data gathering.

13) CASING AND TUBING PROGRAM

<table>
<thead>
<tr>
<th>Type</th>
<th>Specifications</th>
<th>Footage</th>
<th>Intervals</th>
<th>Cements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductor</td>
<td>20&quot; New</td>
<td>94#</td>
<td>40'</td>
<td>40'</td>
</tr>
<tr>
<td>Fresh Water</td>
<td>13 3/8&quot; J-55</td>
<td>54.5#</td>
<td>1180'</td>
<td>1180'</td>
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<tr>
<td>Coal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intermediate</td>
<td>9 5/8&quot; J-55</td>
<td>36#</td>
<td>2680'</td>
<td>2680'</td>
</tr>
<tr>
<td>Production</td>
<td>4 1/2&quot; HCP-110</td>
<td>11.6#</td>
<td>6825'</td>
<td>6825'</td>
</tr>
<tr>
<td>Tubing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liners</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Packers: Kind: Please see well prognosis and procedure.

Sizes: 

Depths Set: 

06/06/2014
MND 99 V

Observation/Monitoring Well Work Procedure

This well is intended to be slightly deviated to better place the well between laterals.

An injection fall off test will consist of perforating the zones of interest, pump 5-10 bbl of water into the formation above the fracture pressure (~7000psi) at 5bpm and shut the well in measuring the pressure decline over time for analysis. The fall off tests will be conducted in shallow zones; Burkett, Marcellus, and chert (not more than 99' past the ceiling of the Onondaga) placing a plug between each and then after tests are completed we will monitor pressures on these open and completed zones.

One option is that we will use three gauges behind casing reading real time and leave the two plugs above the Chert and Marcellus so as not to run tubing.

Another option is to have two packers at roughly the same location of the drilled out plugs with two downhole Tubel BHP gauges to measure pressure in all three zones (casing above for Burkett, gauge on tubing between packers to measure both the Chert (tubing) and the Marcellus (annulus).
<table>
<thead>
<tr>
<th>Azm</th>
<th>56°</th>
<th>MND-9V BHL (Lat/Long)</th>
<th>(492004.45N, 1639222.41E) (NAD27)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Elevation</td>
<td>1192'</td>
<td>MND-9V SHL (Lat/Long)</td>
<td>(491736.73N, 1638825.5E) (NAD27)</td>
</tr>
</tbody>
</table>

**WELLBORE DIAGRAM**

<table>
<thead>
<tr>
<th>Hole</th>
<th>Casing</th>
<th>Geology</th>
<th>Top</th>
<th>Base</th>
<th>Mud</th>
<th>Cements</th>
<th>Centralizers</th>
<th>Conditioning</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>20&quot; 9#</td>
<td>Conductor</td>
<td>40</td>
<td>40</td>
<td>AIR</td>
<td>To Surface</td>
<td>N/A</td>
<td>Ensure the hole is clean at TD</td>
<td>Stabilize surface fill/cell Conductor casing = 0.435&quot; wall thickness</td>
</tr>
<tr>
<td>12-3/8&quot;</td>
<td>9-5/8&quot;</td>
<td>Pittsburgh Coal</td>
<td>843</td>
<td>849</td>
<td>AIR</td>
<td>15.6 ppg Class A to surface plus 50% excess yield = 1.2</td>
<td>Bow Spring on first 2 joints then every third joint to TD from surface</td>
<td>Fill with fresh water (≤940 ppg) gel mud once drilled to TD. Once casing is at setting depth, circulate a minimum of one hole volume prior to pumping cement</td>
<td>Surface/Coal casing = 0.352&quot; wall thickness Burst: 450 psi</td>
</tr>
<tr>
<td>7-7/8&quot;</td>
<td>7-5/8&quot; P114</td>
<td>Prise Formation</td>
<td>5370</td>
<td>5370</td>
<td>AIR</td>
<td>15.6 ppg Class A to surface plus 50% excess yield = 1.2</td>
<td>Bow Spring concentric every third joint to TD from surface</td>
<td>Fill with gel mud once drilled to TD. Once casing is at setting depth, circulate a minimum of one hole volume prior to pumping cement</td>
<td>CONING/CONG/STRIPS 6&quot; HOLES PROBLEMS ARE ENCOUNTERED Intermediate casing = 0.362&quot; wall thickness Burst: 940 psi</td>
</tr>
<tr>
<td>8-3/4&quot;</td>
<td>5&quot;</td>
<td>Water Sand</td>
<td>2430</td>
<td>2430</td>
<td>AIR</td>
<td>14.8 ppg Class A</td>
<td>Rigid Bow Spring centralizer every joint to TDC</td>
<td>Fill with gel mud once drilled to TD. Once casing is at setting depth, circulate a minimum of one hole volume prior to pumping cement</td>
<td>6&quot;LS build. Tangent @ 15° 63.5 drop back to vertical Production casing = 0.25&quot; wall thickness Burst: 1069 psi</td>
</tr>
<tr>
<td>5-3/4&quot; or 7-7/8&quot; Vertical Deviation</td>
<td>11-3/4&quot;</td>
<td>Argosy</td>
<td>5994</td>
<td>6716</td>
<td>AIR</td>
<td>8-3/4&quot;</td>
<td>14.8 ppg Class A</td>
<td>Rigid Bow Spring centralizer every joint to TDC</td>
<td>Fill with gel mud once drilled to TD. Once casing is at setting depth, circulate a minimum of one hole volume prior to pumping cement</td>
</tr>
<tr>
<td>6-1/2&quot; or 11&quot;</td>
<td>11-3/4&quot; P-110</td>
<td>Rhenanite</td>
<td>5715</td>
<td>5987</td>
<td>AIR</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6-1/2&quot; or 11&quot;</td>
<td>11-3/4&quot;</td>
<td>Susquehanna</td>
<td>5917</td>
<td>5917</td>
<td>AIR</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>4-1/2&quot;</td>
<td>7-1/4&quot;</td>
<td>Cashiea</td>
<td>5917</td>
<td>8068</td>
<td>AIR</td>
<td></td>
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<tr>
<td>4-1/2&quot;</td>
<td>7-1/4&quot;</td>
<td>Middles</td>
<td>8093</td>
<td>8091</td>
<td>AIR</td>
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<td>Burket</td>
<td>6156</td>
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<tr>
<td>4-1/2&quot;</td>
<td>7-1/4&quot;</td>
<td>Tully Limestone</td>
<td>6176</td>
<td>6200</td>
<td>AIR</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>4-1/2&quot;</td>
<td>7-1/4&quot;</td>
<td>Hamilton</td>
<td>6202</td>
<td>6237</td>
<td>AIR</td>
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<tr>
<td>4-1/2&quot;</td>
<td>7-1/4&quot;</td>
<td>Marcellus</td>
<td>6237</td>
<td>6290</td>
<td>AIR</td>
<td></td>
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<td></td>
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<tr>
<td>4-1/2&quot;</td>
<td>7-1/4&quot;</td>
<td>Corryns The</td>
<td>6290</td>
<td>6290</td>
<td>AIR</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>4-1/2&quot;</td>
<td>7-1/4&quot;</td>
<td>TDI</td>
<td>6389 TBC</td>
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</tbody>
</table>

**Additional Notes:**
- Ensure the hole is clean at TD.
- Stabilize surface fill/cell.
- Conductor casing = 0.435" wall thickness.
- Surface/Coal casing = 0.352" wall thickness, Burst: 450 psi.
- 15.6 ppg Class A to surface plus 50% excess yield = 1.2.
- Bow Spring on first 2 joints then every third joint to TD from surface.
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- Intermediate casing = 0.362" wall thickness, Burst: 940 psi.
- 6"LS build. Tangent @ 15°, 63.5 drop back to vertical, Production casing = 0.25" wall thickness, Burst: 1069 psi.
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
   (a) Name: Consolidation Coal Company-Jason Witt
   Address: 46226 National Rd.
             Saint Clairsville, OH 43950

   (b) Name: ____________________________
   Address: ______________________________

   (c) Name: ____________________________
   Address: ______________________________

5) (a) Coal Operator
   Name: Consolidation Coal Company-Jason Witt
   Address: 46226 National Road
             Saint Clairsville, OH 43950

   (b) Coal Owner(s) with Declaration
   Name: Consolidation Coal Company-Jason Witt
   Address: 46226 National Road
             Saint Clairsville, OH 43950

   (c) Coal Lessee with Declaration
   Name: Consol Energy, Inc.-Don Puglise
   Address: 1000 Consol Energy Drive
             Canonsburg, PA 15317

6) Inspector
   Name: Jim Nicholson WOOG State Inspector
   Address: PO Box 44
             Moundsville, WV 26041-1534
   Telephone: 304-552-3874

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

X Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR

Included is the information required by Chapter 22, Article 6, Section 6(d) of the Code of West Virginia (see page 2)

   I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and
   application, a location plat, and accompanying documents pages 1 through ___ on the above named parties by:

   Personal Service (Affidavit attached)

   X Certified Mail (Postmarked postal receipt attached)

   Publication (Notice of Publication attached)

   I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit
   issued under this application.

   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, 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 and
   imprisonment.

Well Operator: Noble Energy, Inc.
By: Laura L. Adkins
Its: Regulatory Analyst
Address: 333 Technology Drive Suite 116
         Canonsburg, PA 15317
Telephone: 412-841-9557

Subscribed and sworn before me this ___ day of MAY, 2014

My Commission Expires: 2/19/2015

Notary Public

Office of Oil and Gas

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 not disclose 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.
**U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT**
(Domestic Mail Only; No Insurance Coverage Provided)

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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<td>Certified Fee</td>
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<td>Return Receipt Fee (Endorsement Required)</td>
<td>$2.70</td>
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<tr>
<td>Restricted Delivery Fee (Endorsement Required)</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

Consolidation Coal Company
Jason Witt  
46226 National Road  
Saint Clairsville, OH 43950

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**U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT**
(Domestic Mail Only; No Insurance Coverage Provided)

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<tr>
<td>Return Receipt Fee (Endorsement Required)</td>
<td>$2.70</td>
</tr>
<tr>
<td>Restricted Delivery Fee (Endorsement Required)</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

Consol Energy, Inc.  
Attn: Don Puglisi  
1000 Consol Energy Dr.  
Canonsburg, PA 15317

---

**RECEIVED**  
Office of Oil and Gas  
MAY 08 2014  
WV Department of Environmental Protection

06/06/2014
INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that—

(1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;

(2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<table>
<thead>
<tr>
<th>Grantor, Lessor, etc.</th>
<th>Grantee, Lessee, etc.</th>
<th>Royalty</th>
<th>Book/Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consolidation Coal Company</td>
<td>CNX Gas Company, LLC</td>
<td>100%/Fee</td>
<td>646/493</td>
</tr>
<tr>
<td>CNX Gas Company, LLC</td>
<td>Noble Energy, Inc.</td>
<td>100%/Fee</td>
<td>752/66</td>
</tr>
</tbody>
</table>

Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Noble Energy, Inc.
By: Its: Senior Operations Manager
06/06/2014
NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contractor chosen to collect sample.

Certified Laboratory Name: ALS Labs
Sampling Contractor: Moody Environmental

Well Operator: Noble Energy, Inc.
Address: 333 Technology Drive Suite 116
Canonsburg, PA 15317
Telephone: 724-820-3118

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underlining which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

There are no water wells or springs within 1000'. Please see map attached.
April 14, 2014

NOBLE ENERGY, INC.
333 TECHNOLOGY DRIVE
SUITE 116
CANNONSBURG, PA 15317

WATER WELL REPORT

Well No.: MND 99 V
District: Franklin
County: Marshall
State: West Virginia

Potable water sources within 2,000’ feet of the above referenced well location.

<table>
<thead>
<tr>
<th>NAME / ADDRESS</th>
<th>WATER SOURCE DISTANCE TO WELL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROBERT WILLIAM GRAY - LIFE</td>
<td>1757’</td>
</tr>
<tr>
<td>10 SUGAR LN</td>
<td></td>
</tr>
<tr>
<td>WHEELING, WV 26003</td>
<td></td>
</tr>
<tr>
<td>THOMAS K. BARNHART</td>
<td>1709’</td>
</tr>
<tr>
<td>3008 TAYLORS RIDGE RD</td>
<td></td>
</tr>
<tr>
<td>PROCTOR, WV 26055</td>
<td>1566’</td>
</tr>
</tbody>
</table>

06/06/2014
NOTES:
1. There are no water wells or developed springs within 250’ of proposed well.
2. There are no existing buildings within 625’ of proposed well.
3. Proposed well is greater than 100’ from perennial stream, wetland, pond, reservoir or lake.
4. There are no native trout streams within 300’ of proposed well.
5. Proposed well is greater than 1000’ from surface groundwater intake or public water supply.

NOTE: NO WATER PURVEYORS WITHIN 1000 FEET OF WELL

PREPARED FOR:
Noble Energy, Inc.
333 Technology Drive
Suite 116
Cannonsburg, PA 15317

Legend
W - Water Purveyor
+ - Existing Wells

MND 99 V
Location Map
Marshall County
Franklin District
West Virginia

Topo Quad: Poinsett Point, OHIO-WV
Scale: 1" = 2000'
Date: December 18, 2013

Blue Mountain Inc.
11023 Mason Dixon Highway
Burton, WV 26562
Phone: (304) 662-6486
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

FLUIDS/CUTTINGS DISPOSAL & RECLAMATION PLAN

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

Watershed (HUC 10) Short Creek
Quadrangle Powhatan Point

Elevation 1192' County Marshall District Franklin

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 for drill cuttings? Yes No X

If so, please describe anticipated pit waste: no pit-closed loop

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? Yes

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Air thru coal string, then SOBM

- If oil based, what type? Synthetic, petroleum, etc. Synthetic

Additives to be used in drilling medium? See attached

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Offsite, list attached

- 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 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): Laura L. Adkins
Company Official Title: Regulatory Analyst

Subscribed and sworn before me this 7 day of May 

My commission expires 3/31/2015

[Notary Public stamp and signature]

[Seal]

06/06/2014
Form WW-9

Operator's Well No. MND 99 V

Proposed Revegetation Treatment

Acres Disturbed: 2 to 3

Revegetation pH:

Liming: 2 to 3 Tons/acre or to correct to pH

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

Mulch: Hay or Straw at 2 Tons/acre

Seed Mixtures:

Area I

Seed Type | Density
Tall Fescue | 40
Ladino Clover | 5

See Site Plans for Complete List

Area II

Seed Type | Density
Tall Fescue | 40
Ladino Clover | 5

See Site Plans for Complete List

Attach:

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments:


Title: OOG State Inspector

Date: 8/12/14

Field Reviewed? ( ) Yes ( ) No
NOTES:
1. There are no water wells or developed springs within 250' of proposed well.
2. There are no existing buildings within 625' of proposed well.
3. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
4. There are no active or inactive stream within 300' of proposed well.
5. Proposed well is greater than 1000' from surface groundwater intake or public water supply.

MND 99 V
LOCATION MAP
MARSHALL COUNTY
FRANKLIN DISTRICT
WEST VIRGINIA

PREPARED FOR:
NOBLE ENERGY, INC.
333 TECHNOLOGY DRIVE
SUITE 116
CANNONSBURG, PA 15317

LEGEND
W - WATER PURVEYOR
+ - EXISTING WELLS

TOPO QUAD: POWHATTAN POINT, OHIO-WV
SCALE: 1" = 2000'
DATE: APRIL 14, 2014

NOTE: NO WATER PURVEYORS WITHIN 1000 FEET OF WELL

06/06/2014