November 04, 2013

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1703231, issued to CNX GAS COMPANY 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.

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: 10106 (GIBSON 1)
Farm Name: FEELEY, DENISE A.
API Well Number: 47-1703231
Permit Type: Plugging
Date Issued: 11/04/2013

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.
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 / Liquid injection / Waste disposal / (If "Gas, Production or Underground storage") Deep / Shallow

5) Location: Elevation 980.16' Watershed Buffalo Calf Fork
   District Greenbrier County Doddridge Quadrangle Salem

6) Well Operator CNX Gas Company LLC
    Address P.O. Box 1248
    Jane Lew, WV

7) Designated Agent Jeremy Jones
    Address P.O. Box 1248
    Jane Lew, WV

8) Oil and Gas Inspector to be notified
   Name Douglas Newton
   Address 4060 Dutchman Road
   McFarlan, WV 26148

9) Plugging Contractor
    Name See Attached
    Address

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

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

Work order approved by inspector Douglas Newton Date 10-16-2013
Plugging Plan

WN 10106

1. Verify total depth of 4.5" csg. Bottom perf @ 5486'
2. Pump cement plug 3200' – TD'
3. Displace with gell to 3200'
4. Free point and cut 4.5" csg and cut pipe above free point. (est. 2000')
5. Pull one joint
6. Pump cement plug 1900' – 2000'
7. Displace with gell
8. Pull casing to 1492'
9. Pump cement plug 1392' – 1492'
10. Pull casing to 120'
11. Pump cement plug 0' – 120'
12. Install 7'' x 4' monument with API 47-17-3231

100' cement plug from 1750' to 2050'
100' cement plug from 1400' to 1700'
100' cement plug from 750' to 650'

Received

Office of Oil and Gas
Water Pollution Control Protection
Attachment – Form WW-4B for Well 10106:

**Potential Plugging Contractors:**

Yost Drilling  
313 Steel Hill Rd.  
Mount Morris, PA 15349  

Viking Well Service  
8113 Sissonville Drive  
Sissonville, WV 25320  

Coastal Drilling  
130 Meadow Ridge Rd, STE 24  
Mount Morris, PA 15349
**State of West Virginia**

**Department of Mines**

**Oil and Gas Division**

**WELL OPERATOR'S REPORT**

**OF**

**DRILLING, FRACUTING AND/OR STIMULATING, OR PHYSICAL CHANGE**

**WELL TYPE:** Oil / Gas / Liquid Injection / Waste Disposal

(If "Gas," Production / Underground Storage / Deep / Shallow) /

**LOCATION:**
- Elevation: 990.1
- Watershed: Buffalo Calf Fork
- District: Greenbrier County
- Doddridge Quadrangle
- Salem 7.5'

**COMPANY:** Chesterfield Energy Corporation

**ADDRESS:** 320 Professional Building
- Clarksburg, WV 26301

**DESIGNATED AGENT:** Stanley N. Pickens

**ADDRESS:** Same

**SURFACE OWNER:** N. M. Welch

**ADDRESS:** 20 Meadowcrest
- Parkersburg, WV 26101

**MINERAL RIGHTS OWNER:** F. S. Gibson, etc.

**ADDRESS:** c/o Paul Gibson
- Reno Star Rt., Reno, OH 45773

**OIL AND GAS INSPECTOR FOR THIS WORK:** Steven Casey

**ADDRESS:** Route 2, Box 232-D
- Janelev, WV 26378

**PERMIT ISSUED:** June 28, 1983

**DRILLING COMMENCED:** 7-25-83

**DRILLING COMPLETED:** 8-2-83

**IF APPLICABLE:** PLUGGING OF DRILL HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

<table>
<thead>
<tr>
<th>Casing &amp; Tubing</th>
<th>Used in Drilling</th>
<th>Left in Well</th>
<th>Cement fill up Qt. ft.</th>
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</thead>
<tbody>
<tr>
<td>Size</td>
<td>20-16</td>
<td>11 3/4</td>
<td>400 sks</td>
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<tr>
<td>Cond</td>
<td>5 1/2</td>
<td>8 5/8</td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td>7</td>
<td>5 1/2</td>
<td></td>
</tr>
<tr>
<td>Liners used</td>
<td>3</td>
<td>4 1/2</td>
<td>450 sks</td>
</tr>
</tbody>
</table>

**GEOLOGICAL TARGET FORMATION:** Cedar Creek, Bradford, Speechley

<table>
<thead>
<tr>
<th>Depth of completed well</th>
<th>5500 feet</th>
<th>Rotary / Cable Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water strata depth</td>
<td>Fresh 13', 1851 feet; Salt 1369' feet</td>
<td></td>
</tr>
<tr>
<td>Coal seam depths</td>
<td>758' - 763', 1259' - 1261' Is coal being mined in the area?</td>
<td></td>
</tr>
</tbody>
</table>

**OPEN FLOW DATA**

- Producing formation: Cedar Creek
- Pay Zone depth: 5340' - 5417' feet

Gas:
- Initial open flow: odor Mcf/d
- Final open flow: 600 Mcf/d
- Time of open flow between initial and final tests: 4 hours
- Static rock pressure: 1264 psig
- (If applicable due to multiple completion--)

Second producing formation: Bradford
- Pay Zone depth: 4546' - 4570' feet

Gas:
- "COMINGLED WITH FIRST STAGE"
- "INITIAL OPEN FLOW"
- Final open flow: Mcf/d
- Oil: Initial open flow: Bbl/d
- Time of open flow between initial and final tests: 4 hours
- Static rock pressure: psig
- (surface measurement) after hours shut in

Third producing formation: Speechley
- Pay Zone Depth: 3414' - 3490'

(Continue on reverse side)
## Details of Perforated Intervals, Fracturing or Stimulating, Physical Change, Etc.

- **Cedar Creek**: 4,000# 80/100, 50,000# 20/40 498 BBLs
- **Bradford**: 3,000# 80/100, 30,000# 20/40 335 BBLs
- **Speechley**: 4,000# 80/100, 50,000# 20/40 490 BBLs

## Well Log

<table>
<thead>
<tr>
<th>Formation</th>
<th>Color</th>
<th>Hard or Soft</th>
<th>Top Feet</th>
<th>Bottom Feet</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>Dirt</td>
<td></td>
<td></td>
<td>0</td>
<td>8</td>
<td>Set 30' 11 3/4 conductor</td>
</tr>
<tr>
<td>Sand &amp; Shale</td>
<td></td>
<td></td>
<td>8</td>
<td>30</td>
<td>Water @ 13'</td>
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<tr>
<td>Sand &amp; Shale</td>
<td></td>
<td></td>
<td>30</td>
<td>116</td>
<td>Water @ 1851'</td>
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<tr>
<td>Red Rock &amp; Sand &amp; Shale</td>
<td></td>
<td></td>
<td>116</td>
<td>283</td>
<td>Oil @ 2530'</td>
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<tr>
<td>Red Rock</td>
<td></td>
<td></td>
<td>283</td>
<td>510</td>
<td>Gas Ck @ 2173' No Show</td>
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<tr>
<td>Sand &amp; Shale &amp; Red Rock</td>
<td></td>
<td></td>
<td>510</td>
<td>758</td>
<td>Gas Ck @ 2490' No Show</td>
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<tr>
<td>Coal</td>
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<td></td>
<td>758</td>
<td>763</td>
<td>Gas Ck @ 2772' No Show</td>
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<tr>
<td>Sand &amp; Shale &amp; Red Rock</td>
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<td></td>
<td>763</td>
<td>926</td>
<td>Gas Ck @ 2865' No Show</td>
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<tr>
<td>Coal</td>
<td></td>
<td></td>
<td>926</td>
<td>929</td>
<td>-Small show of oil-</td>
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<tr>
<td>Sand &amp; Shale</td>
<td></td>
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<td>929</td>
<td>1259</td>
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<tr>
<td>Coal</td>
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<td>1259</td>
<td>1261</td>
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<tr>
<td>Sand &amp; Shale</td>
<td></td>
<td></td>
<td>1261</td>
<td>2016</td>
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<tr>
<td>Little Lime</td>
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<td>2016</td>
<td>2030</td>
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<td>Sand &amp; Shale</td>
<td></td>
<td></td>
<td>2030</td>
<td>2051</td>
<td></td>
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<tr>
<td>Big Lime</td>
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<td>2137</td>
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<td>Sand &amp; Shale</td>
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<td>2142</td>
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<td>Big Injun</td>
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<td></td>
<td>2142</td>
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<tr>
<td>Sand &amp; Shale</td>
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<td></td>
<td>2190</td>
<td>2732</td>
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<tr>
<td>Thirty Foot</td>
<td></td>
<td></td>
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<td>2744</td>
<td></td>
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<td>Sand &amp; Shale</td>
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<td></td>
<td>2744</td>
<td>2867</td>
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<tr>
<td>Gordon</td>
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<td>2914</td>
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<td>Sand &amp; Shale</td>
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<td>2914</td>
<td>5039</td>
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<td>Benson</td>
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<td></td>
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<td></td>
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<td></td>
<td>5058</td>
<td>5323</td>
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<tr>
<td>Alexander</td>
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<td></td>
<td>5323</td>
<td>5355</td>
<td></td>
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<tr>
<td>Sand &amp; Shale</td>
<td></td>
<td></td>
<td>5355</td>
<td>5500</td>
<td></td>
</tr>
<tr>
<td>Td</td>
<td></td>
<td></td>
<td>5500</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Attach separate sheets as necessary)

Chesterfield Energy Corporation
Well Operator

By: _____________________________
Date: July 7, 1983

WV Dep't of Environmental Protection

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**Note**: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including all, encountered in the drilling of a well."
4) Surface Owner(s) to be served:
   (a) Name: Denise A. Feeley
       Address: 4027 Greyston Drive
                 Morgantown, WV 26508
   (b) Name
       Address
   (c) Name
       Address

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

(b) Coal Owner(s) with Declaration
    Name: None of Declaration
    Address

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

6) Inspector
   Name: Douglas Newton
   Address: 4660 Dutchman Road
             McFarlan, WV 26148
   Telephone: 304-932-8049

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 site 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: CNX Gas Company LLC
By: Jeremy Jones
    Designated Agent - General Manager, WV Gas Operations
    P.O. Box 1248
    Jane Lew, WV 26378
    304-884-2009 - Amanda Wright, Permitting Supervisor

Subscribed and sworn before me this 18th day of October, 2013
My Commission Expires September 15, 2021
Notary Public

Oil and Gas Privacy Notice

The Office of Oil and 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 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: CNX Gas Company LLC
OP Code: 494458046

Watershed: Buffalo Calf Fork Quadrangle: Salem
Elevation: 980.16' County: Doddridge District: Greenbrier

Description of anticipated Pit Waste: Fluids associated with the plugging of existing gas wells

Will a synthetic liner be used in the pit? Yes - 20 ml

Proposed Disposal Method For Treated Pit Wastes:
- x 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:
- x Drilling
- Workover
- Other (Explain: 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: 
Company Official (Typed Name): Jeremy Jones
Company Official Title: Designated Agent - General Manager WV Gas Operations

Received: 

Notary Public

My commission expires: 9/15/2021
Proposed Revegetation Treatment: Acres Disturbed .50

Prevegetation pH 6.5
Lime according to pH test Tons/acre or to correct to pH 7.0
Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)
Mulch hay or straw @ 2 Tons/acre

Seed Mixtures

<table>
<thead>
<tr>
<th>Seed Type</th>
<th>Area I</th>
<th>Area II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orchard Grass</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>Birdsfoot Trefoil</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Ladino Clover</td>
<td>10</td>
<td>10</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: [Signature]

Comments: Install % & Reclaim to WV Dept regulations

Title: Oil & Gas Inspections

Date: 10-16-2013

Field Reviewed? ( ) Yes ( ) No
THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ROAD IS EXISTING COUNTY ROAD AND WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

ADDITIONAL PIT(S) WILL BE CONSTRUCTED IF NEEDED OR REQUIRED.

DRAWINGS TO ACCOMPANY FORM WW-9

CNX GAS COMPANY

P. O. BOX 1248
JANE LEW, WV 26378 OCT 18

WATERSHED: BUFFALO, CALIFORNIA

DISTRICT: GREENBRIER COUNTY: DODDRIDGE

QUADRANGLE: SALEM WELL NO.: 10106

DATE: 05/20/13 PAGE 1 of 1
West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-017-03231   WELL NO.: 10106

FARM NAME: E. S. GIBSON

RESPONSIBLE PARTY NAME: CNX GAS COMPANY LLC

COUNTY: DODDRIDGE   DISTRICT: GREENBRIER

QUADRANGLE: SALEM 7.5 MIN.

SURFACE OWNER: DENISE A. FEELEY 4027 GREYSTONE DR., MORGANTOWN, WV 26508

ROYALTY OWNER: RUBY HOSKINSON, ET AL.

UTM GPS NORTHING: 4,346,487.95 METERS

UTM GPS EASTING: 532,809.84 METERS   GPS ELEVATION: 298.75 METERS

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17   Coordinate Units: meters   Altitude: Height above mean sea level (MSL) - meters
2. Accuracy to Datum - 3.05 meters
   Mapping Grade GPS X: Post Processed Differential X Real-Time Differential _____

I, the undersigned hereby state this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulation issued and prescribed by the Office of Oil and Gas.

Signature: _______________ Title: WV Professional Surveyor #674

Stephen D. Losh, PS #674

Date: 05/20/13

CNX USE: NAD 27 WV NORTH SPC: 10106 = 281.342.40' 1,682.945.52' ELEV. = 980.16'
May 20, 2013

DRIVING DIRECTIONS FOR CNX 10106

Traveling south from Salem towards Mileutus on Harrison Co. Rt. 29, turn right on Co. Rt. 29/1 (Buffalo Calf Road). Go 3.95 miles and turn right on Co. Rt. 42/3. Go 0.50 of a mile up the hollow to the forks in the road. Go left and the well sits by the road immediately on the right.

Nearest Fire Station: Salem
October 14, 2013

Denise A. Feeley
4027 Greyston Drive
Morgantown, WV 26508

Re:  Well # 10106; API # 47-017-03231
     Greenbrier District, Doddridge County

To Whom It May Concern:

CNX Gas Company LLC is in the process of applying for a permit to Plug a well on the above noted lease of which you are the Surface/Coal Owner.

Enclosed are copies of the Notice and Application, Permit and the Location Plat.

Please note the instructions on the Surface/Coal Owner Waiver form. If you have no objection to the Plugging being done, please follow instructions as they are given, sign and date the waiver and return it to us in the self addressed envelope.

Sincerely,

Carolinda Flanagan

Enclosures
October 15, 2013

Mr. Robert Feeley  
4027 Greystone Drive  
Morgantown, WV 26508

RE: CONSOL Well 10106

Dear Mr. Feeley,

As per our telephone conversation concerning plugging operations of well 10106, API 47-017-03231, located on your property in Doddridge County, West Virginia, CNX Gas Company LLC will grade area disturbed by plugging operations, and fertilize, seed and mulch as per the included Form WW-9.

Thank you. If you have any questions, please contact me at 304-884-2166 or 304-641-1629.

Sincerely,

CNX Land Resources

[Signature]

David M. Yazvac

Received

[Stamp: OCT 18 2012]

Office of Oil and Gas
WV Dept. of Environmental Protection