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**west virginia** department of environmental protection

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Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304  
(304) 926-0450  
(304) 926-0452 fax

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
www.dep.wv.gov

October 22, 2013

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-4901409, 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: L-89  
Farm Name: CONSOLIDATION COAL CO.  
**API Well Number: 47-4901409**  
**Permit Type: Plugging**  
Date Issued: 10/22/2013

**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

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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.

4901409P

WW-4B  
(Rev. 6-07)

1) Date: September 3, 2013  
2) Operator's Well Number L-89  
3) API Well No.: 47 - 049 - 01409  
State County Permit

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

**FOR A PERMIT TO PLUG AND ABANDON**

4) Well Type: Oil        / Gas X / Liquid injection        / Waste disposal         
( If "Gas", Production X or Underground storage        ) Deep        / Shallow X

5) Location: Elevation 1340' Watershed Sugar Run of Paw Paw Creek  
District Paw Paw 05 County Marion 49 Quadrangle Mannington, WV- PA 7.5' 457

6) Well Operator CNX Gas Company, LLC  
Address 200 Evergreene Drive  
Waynesburg, PA 15370

7) Designated Agent Jeremy Jones  
Address 1 Dominion Drive  
Jane Lew, WV 26378

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

9) Plugging Contractor  
Name Daybrook Development Corp  
Address 2656 Daybrook Rd  
Fairview, WV 26570-8592

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

Degas hole plugging to include pulling a minimum 150% of the casing string weight, perforations of any remaining casing at 100' intervals, thixotropic cement from attainable bottom to 100' above the highest mineable coal seam with expandable cement placed from the top of the thixotropic to the surface. All degas plugging work shall comply with WV Code Chapter 22 Article 6.

SET MONUMENT w/ API #.

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

Work order approved by inspector Bill Hendershot Date 9-19-13

5-5(3)

Page 3 of 3

49-01409 P

CONSOLIDATION COAL COMPANY  
1800 WASHINGTON ROAD  
PITTSBURGH PA

WELL NUMBER L-89

MINE Loveridge

DATE STARTED September 1991

DATE COMPLETED September 1991

CONTRACTOR ?

TOTAL DEPTH OF HOLE 830 (APPROX)  
[In Feet]

CASING IN HOLE: SLOTTED 300  
[In Feet]

Surface 20  
5-1/2-INCH 825

PACKER SIZE 3' 6"

CEMENT 240 [SKS]

OK S.M.

1-3-03

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4901409 P

WW-4A  
(Rev. 6-07)

1) Date: September 3, 2013  
2) Operator's Well Number L-89  
3) API Well No.: 47 - 049 - 01409 P  
State County Permit

**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:            | 5) (a) Coal Operator                          |
| (a) Name <u>Consolidation Coal Company</u> ✓ | Name <u>Consolidation Coal Company</u> ✓      |
| Address <u>1000 Consol Energy Drive</u>      | Address <u>1000 Consol Energy Drive</u>       |
| <u>Canonsburg, PA 15317</u>                  | <u>Canonsburg, PA 15317</u>                   |
| (b) Name _____                               | (b) Coal Owner(s) with Declaration            |
| Address _____                                | Name <u>Reserve Coal Properties Company</u> ✓ |
|  | Address <u>1000 Consol Energy Drive</u>       |
|  | <u>Canonsburg, PA 15317</u>                   |
| (c) Name _____                               | Name _____                                    |
| Address _____                                | Address _____                                 |
| 6) Inspector <u>Bill Hendershot</u>          | (c) Coal Lessee with Declaration              |
| Address <u>403 James Street</u>              | Name _____                                    |
| Telephone <u>Mannington, WV 26582</u>        | Address _____                                 |

**TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:** 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 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 the 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 register 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.

**NOTARIAL SEAL**  
**JANICE L DAVIS**  
 Notary Public  
 CFCIL TWP., WASHINGTON COUNTY  
 My Commission Expires Oct 19, 2013

Well Operator  
 By: Daniel Bitz ✓  
 Title: Director of Permitting  
 Address 200 Evergreene Drive  
Waynesburg, PA 15370  
 Telephone 724-6271246

Subscribed and sworn before me this 4th day of September, 2013  
Janice L. Davis Notary Public  
 My Commission Expires October 19, 2013

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 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 Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov)

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 WV Department of  
 Environmental Protection

4901409P

WW-4B

API No. 47-049-01409  
Farm Name \_\_\_\_\_  
Well No. L-89

**INSTRUCTIONS TO COAL OPERATORS  
OWNERS AND LESSEE**

The well operator names on the obverse side of the WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil and Gas.

This notice and application is given to you in order that your respective representative may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: if you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner or Lessee for plugging" prior to the issuance of this plugging permit.

**WAIVER**

The undersigned coal operator X / owner \_\_\_\_\_ / lessee \_\_\_\_\_ / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Ronnie Hand Signature Date 9-3-12

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Office of Oil and Gas  
Consolidation Coal Company  
By Ronnie Hand  
Its Agent OCT 04 2012

WV Department of  
Environmental Protection

# SURFACE OWNER WAIVER

Operator's Well Number \_\_\_\_\_ L-89

## INSTRUCTIONS TO SURFACE OWNERS NAMES ON PAGE WW4-A

The well operator names on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: if the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. Of you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is also, please notify the well operator and the Office of Oil and Gas.

### NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT. WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304 962-0450)

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files the application. You have FIVE (5) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address, and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

- The Chief has the power to deny or condition a well work permit based on comments on the following grounds:
- 1) The proposed well work will constitute a hazard to the safety of persons.
  - 2) The soil erosion and sediment control plan is not adequate or effective;
  - 3) Damage would occur to the publicly owned lands or resources;
  - 4) The proposed well work fails to protect fresh water resources or supplies;
  - 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

### VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Permit to Plug and Abandon on Forms WW-4a and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and have no objection to a permit being issued on the materials.

FOR EXECUTION BY A NATURAL PERSON ETC.

FOR EXECUTION BY A CORPORATION,

Ronni Naval  
Signature

Date 9-7-13

Name Consolidation Coal Company

By Ronnie Haral RECEIVED

Its Agent Office of Oil and Gas

Ronni Naval  
Signature

Date 9-7-13  
OCT 04 2013

WV Department of Environmental Protection

4901409P

WW-9  
Rev. 5/08

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47 - 049 - 01409C  
Operator's Well No. L-89

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 Sugar Run of Paw Paw Creek Quadrangle Mannington

Elevation 1340' County Marion District Paw Paw

Description of anticipated Pit Waste: N/A - will use mud trucks to contain all drilling muds

Will a synthetic liner be used in the pit? N/A

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 no pits)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain no pits)
- 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 *Daniel A. Bitz*

Company Official (Typed Name) Daniel A Bitz

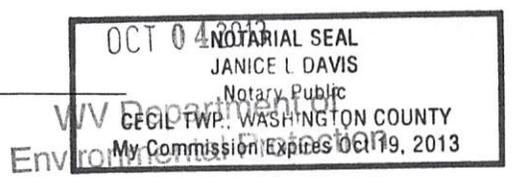
Company Official Title Permitting Director

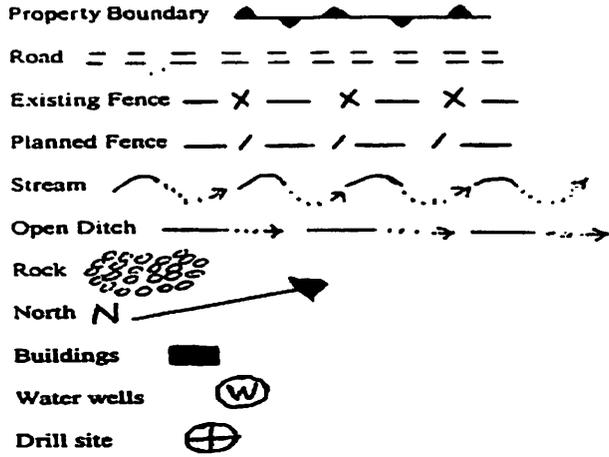
Subscribed and sworn before me this 4th day of September, 20 13

*Janice L. Davis*

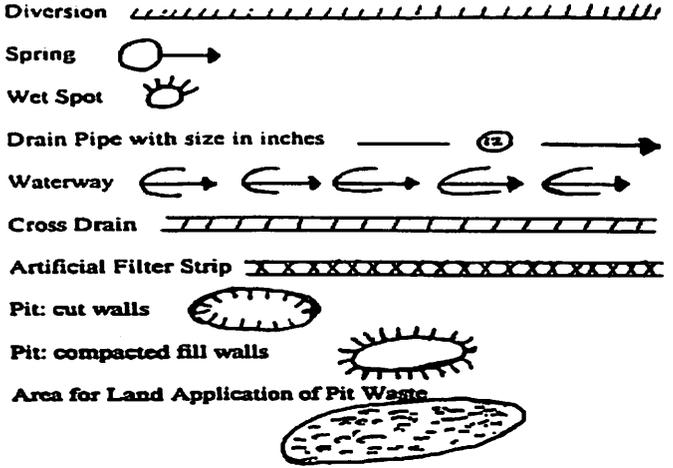
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Office of Oil and Gas  
Notary Public

My commission expires October 19, 2013





LEGEND



Proposed Revegetation Treatment: Acres Disturbed Less than 1 acre Prevegetation pH \_\_\_\_\_

Lime 2-3 Tons/acre or to correct to pH \_\_\_\_\_

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

Mulch hay or straw 2 Tons/acre

Seed Mixtures

| Seed Type      | Area I |          | Seed Type      | Area II |          |
|----------------|--------|----------|----------------|---------|----------|
|                |        | lbs/acre |                |         | lbs/acre |
| Tall Fescue    |        | 40       | Tall Fescue    |         | 40       |
| Landino Clover |        | 5        | Landino Clover |         | 5        |

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: \_\_\_\_\_

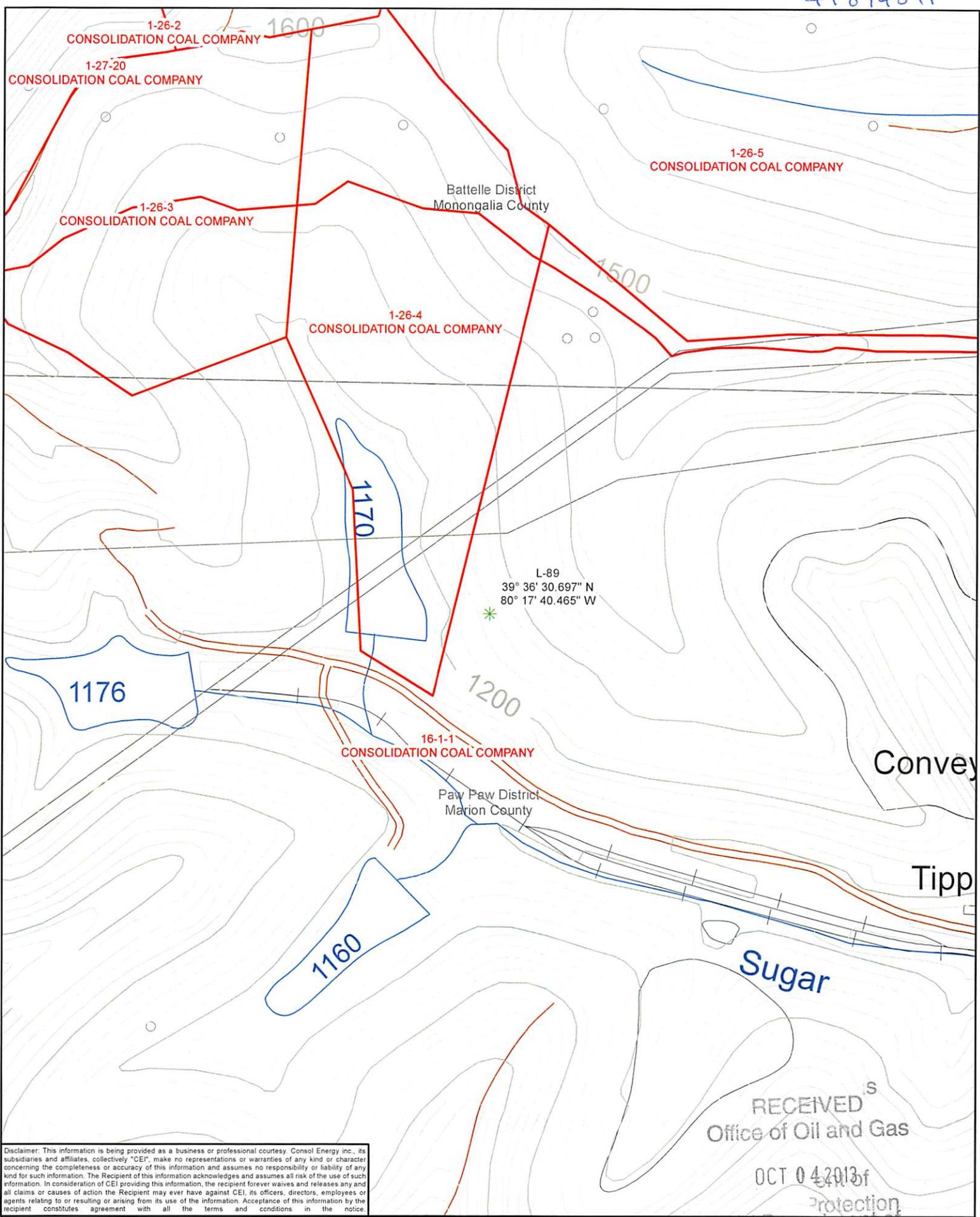
Comments: \_\_\_\_\_

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Title: \_\_\_\_\_ Date: OCT 04 2013

Field Reviewed? ( ) Yes ( ) No

4901409P



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Environmental Protection

**Legend**

- GOB Well
- Surface Property
- District / County

N

|                 |  |                           |  |
|-----------------|--|---------------------------|--|
| Date: 7/10/2013 |  | Prepared By: K. McCartney |  |
| Revisions:      |  | Approved By:              |  |

This map is property of CONSOL Energy Inc. and contains information that is proprietary and confidential in nature and may not be copied or reproduced without prior written consent.

**CONSOL ENERGY**  
Environmental Protection  
GOB Well Location Map  
Well L-89 for Plugging  
Loveridge Project Area



4901409 P



Daniel Bitz  
Permitting Director  
200 Evergreene Drive  
Waynesburg, PA 15370  
(724) 485-4268



September 3, 2013

West Virginia Department of Environmental Protection  
Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304

Plugging Permit Application – Well “L-89”

Dear Sir or Madam,

Enclosed is the plugging permit application for the above referenced CBM well.

If any further information or correspondence is required, please contact me at (724) 485-4268 or [DanielBitz@consolenergy.com](mailto:DanielBitz@consolenergy.com).

Sincerely,

  
Daniel A. Bitz

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Office of Oil and Gas  
OCT 04 2013  
WV Department of  
Environmental Protection