west virginia department of environmental protection

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

November 04, 2013

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-6101466, 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 penalities 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-84
Farm Name: CONSOLIDATION COAL CO.
API Well Number: 47-6101466
Permit Type: Plugging
Date Issued: 11/04/2013

Promoting a healthy environment.

6101466P

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.

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WW-4B
(Rev. 6-07)

1) Date: October 8, 2013
2) Operator's Well Number L-84
3) API Well No.: 47 - 061 - 01466
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 1354'
Watershed Paw Paw Creek
District Battelle 01
County Monongalia 61
Quadrangle Mannington, WV-PA 7.5' 457

6) Well Operator CNX Gas Company, LLC
Address 200 Evergreene Dr
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 Sam Ward
Address P.O. Box 2327
Buckhannon, WV 26201

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:

The wellbore will be cleaned out to the total depth or attainable bottom. From the total depth or attainable bottom to the surface, all casing will be removed so that only a single string will be left in the wellbore, if it cannot be removed. Intact and uncemented casing as determined by electronic logging shall be perforated, ripped, or milled at no greater than 100 ft. intervals from total depth or attainable bottom, to the top of the casing. A borehole survey will be conducted to determine the top and bottom of any mineable coal seam. In addition, starting at a point 5 ft. below through 5 ft. above any mineable coal seam, and casing shall be ripped, cut, or perforates on no greater than 5 ft. intervals. Circulation will have been established using gelled water to the clean out depth. Expanding cement will be placed from the total depth or attainable bottom to 100 ft. above any mineable coal seam. From that point to the surface, a ~~light cement~~ CLASS A mixture shall be used to fill the wellbore.
(continued on next page)

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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 S. P. Ward II Date 10/15/2013

6101466P

The existing access road will be used for this well work.

The plugging will comply with the West Virginia Code Chapter 22-6-6 (Soil Erosion Control Plan) and 22-6-30 (Reclamation Requirements) and the West Virginia Erosion And Sediment Control Field Manual as published by the WVDEP Office of Oil and Gas. A well maker at least 30" in height or buried below plow depth will be installed containing the following: API number, site number, Consol Coal Company, and the date plugged.

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SDW
10/15/2013

w-5(B)

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61-01466

CONSOLIDATION COAL COMPANY
1800 WASHINGTON ROAD
PITTSBURGH PA

WELL NUMBER L-84

MINE Loveridge

DATE STARTED July 1991

DATE COMPLETED July 1991

CONTRACTOR ?

TOTAL DEPTH OF HOLE 965 (APPROX)
[In Feet]

CASING IN HOLE: SLOTTED 300
[In Feet]
Surface 20
5-1/2-INCH 955

PACKER SIZE 3' 6"

CEMENT 270 [SKS]

OK S.M.
1-3-03

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WW-4A
(Rev. 6-07)

1) Date: September 23, 2013
2) Operator's Well Number
L-84
3) API Well No.: 47 - 061 - 01466
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:
(a) Name: Consolidation Coal Company ✓
Address: 1000 Consol Energy Drive
Canonsburg, PA 15317
(b) Name:
Address:
(c) Name:
Address:

5) (a) Coal Operator
Name: Consolidation Coal Company ✓
Address: 1000 Consol Energy Drive
Canonsburg, PA 15317
(b) Coal Owner(s) with Declaration
Name: Consolidation Coal Company ✓
Address: 1000 Consol Energy Drive
Canonsburg, PA 15317
Name:
Address:
(c) Coal Lessee with Declaration
Name:
Address:

6) Inspector: Sam Ward ✓
Address: P.O. Box 2327
Buckhannon, WV 26201
Telephone:

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 play (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.

Commonwealth of Pennsylvania
County of Greene

Well Operator: **CNX Gas Company LLC**
By: **Sarah Baughman** Sarah Baughman
Its: **Supervisor of Permitting**
Address: **200 Evergreene Drive**
Waynesburg, PA 15370
Telephone: **724-6271229**

Subscribed and sworn before me this 23rd day of September, 2013
Lori L Walker
Notary Public
My Commission Expires

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Lori L. Walker, Notary Public
Richhill Twp., Greene County
My Commission Expires Feb. 23, 2015
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

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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 .

6101466P

WW-4B

API No. 47-061-01466
Farm Name
Well No. L-84

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 t the issuance of this plugging permit.

WAIVER

The undersigned coal operator__X____ / owner___X___ / 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 Hurst Date 9-27-16
Signature

Consolidation Coal Company
By Ronnie Hurst
Its Agent

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SURFACE OWNER WAIVER

Operator's Well Number L-84

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 57th St. SE
Charleston, WV 52304
(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 o 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.

Ronnie Hand
Signature

Date 9-27-13

FOR EXECUTION BY A CORPORATION,

Name Ronnie Hand
By Ronnie Hand
Its Agent
Date 9-27-13
Signature
Date

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WW-9
Rev. 5/08

Page _____ of _____
API Number 47 - 061 - 01466 C
Operator's Well No. L-84

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 Paw Paw Creek Quadrangle Mannington

Elevation 1354' County Monongalia District Battelle

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 Dispposal (Supply form WW-9 for disposal location)
x Other (Explain no pits

SDW
10/15/2013

Proposed Work For Which Pit Will Be Used:

_____ Drilling _____ Swabbing
_____ Workover _____ Plugging
x Other (Explain no pits

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 [signature]

Company Official (Typed Name) Sarah Baughman

Company Official Title Supervisor- Permitting

Commonwealth of Pennsylvania
Subscribed and sworn before me this 7th day of October, 20 13 County of Greene

Lori L Walker
Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Lori L. Walker, Notary Public
Richhill Twp., Greene County
My Commission Expires Feb. 23, 2015
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

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My commission expires February 23, 2015

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Form WW-9

Operator's Well No. L-84

LEGEND

Property Boundary
Road
Existing Fence
Planned Fence
Stream
Open Ditch
Rock
North N
Buildings
Water wells W
Drill site

Diversion
Spring
Wet Spot
Drain Pipe with size in inches 12
Waterway
Cross Drain
Artificial Filter Strip
Pit: cut walls
Pit: compacted fill walls
Area for Land Application of Pit Waste

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

Area I Seed Type	lbs/acre	Area II Seed Type	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: S. P. Dubnoff II

Comments: Upgrade E&S as necessary. Pre-seed/mulch all disturbed areas per WV DEP E&S manual.

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Title: Oil & Gas Inspector Date: 10/15/2013

Field Reviewed? ( ) Yes (X) No

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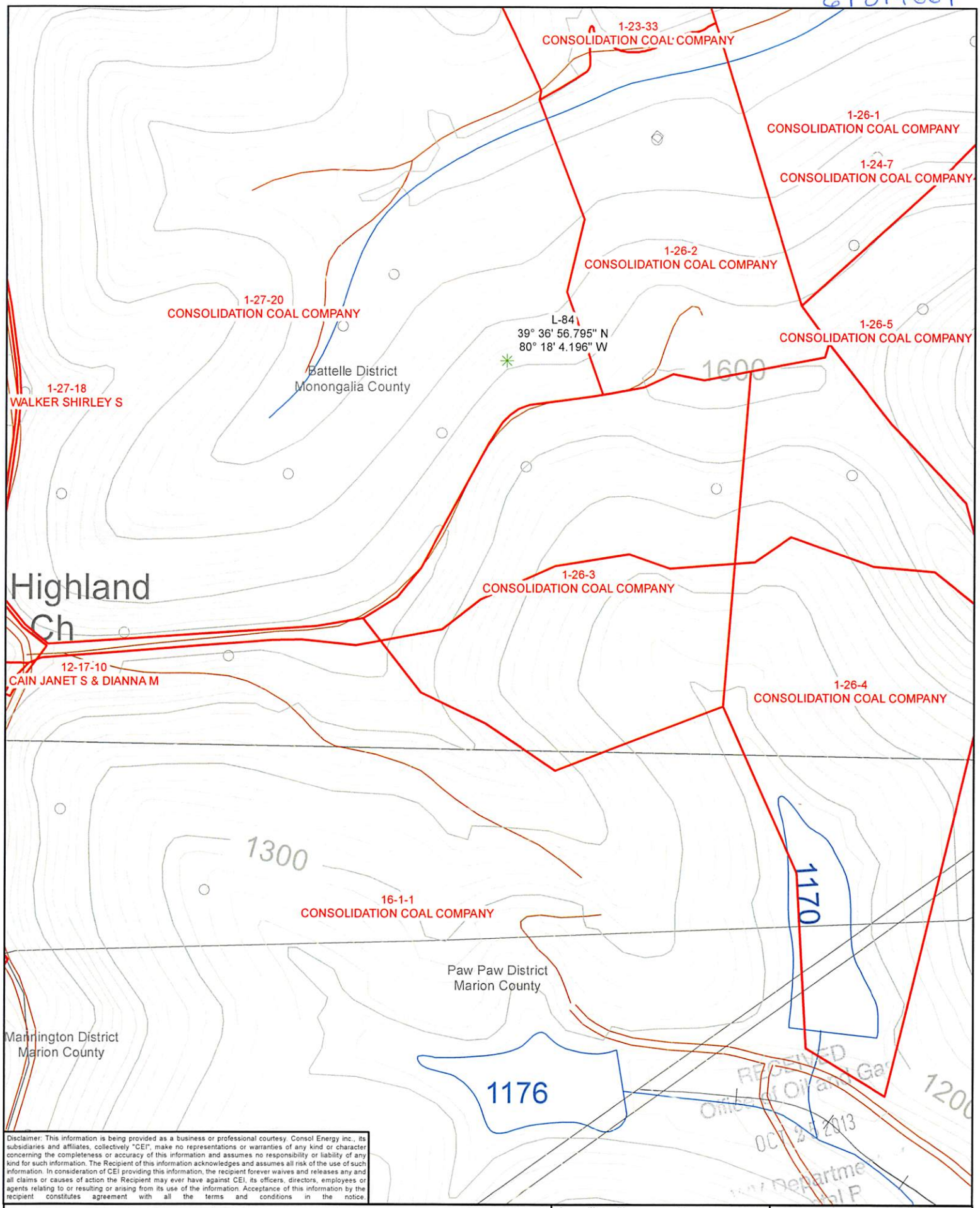

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Legend

- GOB Well
- Surface Property
- District / County

N

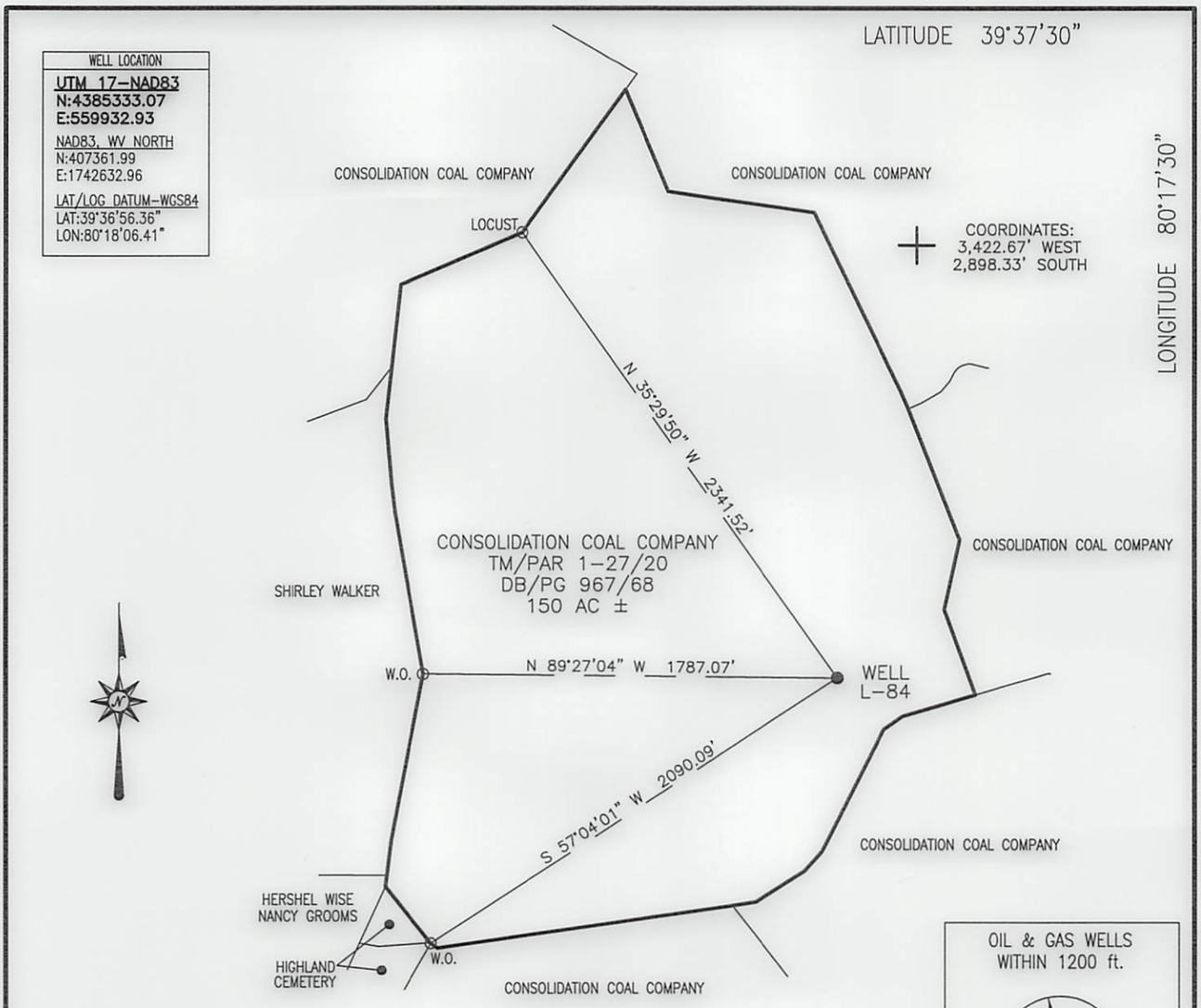
0 125 250 500 750 Feet
1 inch = 500 feet

CONSOL ENERGY

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.

GOB Well Location Map
Well L-84 for Plugging
Loveridge Project Area



Blue Mountain Engineering
11023 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

NOTE:
It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

FILE #: L-84
DRAWING #: L-84
SCALE: 1" = 700'
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

I, 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: _____

R.P.E.: _____ L.L.S.: P.S. No. 2000

GEORGE D. SIX LICENSED No. 2000 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

DATE: JULY 29, 2013
OPERATOR'S WELL #: L-84
API WELL #: 47 (STATE) 061 (COUNTY) 01466C P (PERMIT)

Well Type: ☐ Oil ☐ Waste Disposal ☒ Production ☐ Deep
☒ Gas ☐ Liquid Injection ☐ Storage ☒ Shallow

WATERSHED: PAW PAW CREEK ELEVATION: 1354'
COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: MANNINGTON, WV-PA 7.5'
SURFACE OWNER: CONSOLIDATION COAL COMPANY ACREAGE: 150±
OIL & GAS ROYALTY OWNER: CONSOLIDATION COAL COMPANY, ET. AL. ACREAGE: _____

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: PITTSBURGH ESTIMATED DEPTH: 965'

WELL OPERATOR CNX GAS COMPANY LLC
Address 200 EVERGREENE Dr.
City WAYNESBURG State PA Zip Code 15370

DESIGNATED AGENT JEREMY JONES
Address 1 DOMINION DRIVE
City JANE LEW State WV Zip Code 26378

6101466P

CONSOL ENERGY

Sarah Baughman
Permitting Supervisor
200 Evergreene Drive
Waynesburg, PA 15370
(724) 627-1229
CNX GAS

August 1, 2013

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

Plugging Permit Application – **Well "L-84"**

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)627-1229 or SarahBaughman@consolenergy.com.

Sincerely,

Sarah Baughman

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