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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](http://www.dep.wv.gov)

October 28, 2013

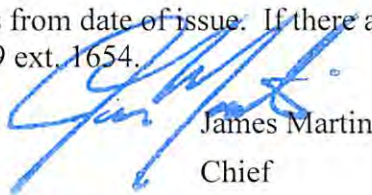
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-4901406, 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-48  
Farm Name: VALONIS, WILLIAM  
**API Well Number: 47-4901406**  
**Permit Type: Plugging**  
Date Issued: 10/28/2013

**Promoting a healthy environment.**

**11/01/2013**

## 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.

49 01406 P

WW-4B  
(Rev. 6-07)

1) Date: October 11, 2013  
2) Operator's Well Number L-48  
3) API Well No.: 47 - 049 - 01406  
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 1161' Watershed         
District Mannington County Marion Quadrangle Mannington, WV- PA 7.5'  
*04 49 457*

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 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:

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 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 *William Hendershot* Date 10-12-13

11/01/2013

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.

CEMENT PLUGS MUST BE  
CLASS A CEMENT WITH NO MORE  
THAN 3%  $\text{CaCl}_2$  AND NO OTHER  
ADDITIVES. HOWEVER, THERE IS AN  
EXCEPTION WHERE EXPANDING CEMENTS  
ARE USED.

JMM

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WV-5(B)

CONVERSION OF  
VENT HOLE TO PRODUCTION  
WELL.

Page 3 of 3

49-01406P

CONSOLIDATION COAL COMPANY  
1800 WASHINGTON ROAD  
PITTSBURGH PA

WELL NUMBER L-48

MINE Loveridge

DATE STARTED July 1983

DATE COMPLETED July 1983

CONTRACTOR ?

TOTAL DEPTH OF HOLE 900 (APPROX)  
[In Feet]

CASING IN HOLE: SLOTTED 300  
[In Feet]

Surface 20  
5-1/2-INCH 900

PACKER SIZE 3' 6"

CEMENT 280 [SKS]

~COAL SRAM 890'

OKS.M  
1-3-03  
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11/01/2013

WW-4A  
(Rev. 6-07)

1) Date: October 4, 2013  
2) Operator's Well Number L-48  
3) API Well No.: 47 - 049 - 01406  
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>William Valonis</u> ✓	Name <u>Consolidation Coal Company</u> W
Address <u>171 Rady Peek Hollow Rd</u>	Address <u>1000 Consol Energy Drive</u>
	<u>Canonsburg, PA 15317</u>
(b) Name <u>Mannington, WV 26582</u>	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Consolidation Coal Company</u> W
	Address <u>1000 Consol Energy Drive</u>
(c) Name _____	<u>Canonsburg, PA 15317</u>
Address _____	Name _____
	Address _____
6) Inspector <u>Bill Hendershot</u> ✓	(c) Coal Lessee with Declaration
Address <u>403 James Street</u>	Name _____
<u>Mannington, WV 26582</u>	Address _____
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 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.

<b>COMMONWEALTH OF PENNSYLVANIA</b> Notarial Seal Lori L. Walker, Notary Public Richhill Twp., Greene County My Commission Expires Feb. 23, 2015 <small>MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES</small>	Well Operator	<u>CNX Gas Company LLC</u>
	By:	<u>Sarah Baughman</u> <i>Sarah Baughman</i>
	Its:	<u>Permitting Supervisor</u>
	Address	<u>200 Evergreene Drive</u> <u>Waynesburg, PA 15370</u> <u>724-6271229</u>
	Telephone	
Subscribed and sworn before me this <u>7<sup>th</sup></u> day of <u>October</u> , 201 <u>3</u> <i>Lori L. Walker</i> Notary Public		<u>County of Greene</u> REC'D Office of Oil and Gas OCT 5 2013
My Commission Expires <u>February 23, 2015</u>		

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).



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 Flat run of Pyles Fork Creek Quadrangle Mannington

Elevation 1161' County Marion District Mannington

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  Swabbing
- Workover  Plugging
- 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 *Sarah Baughman*

Company Official (Typed Name) Sarah Baughman

Company Official Title Supervisor- Permitting

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Subscribed and sworn before me this 7<sup>th</sup> day of October, 2013

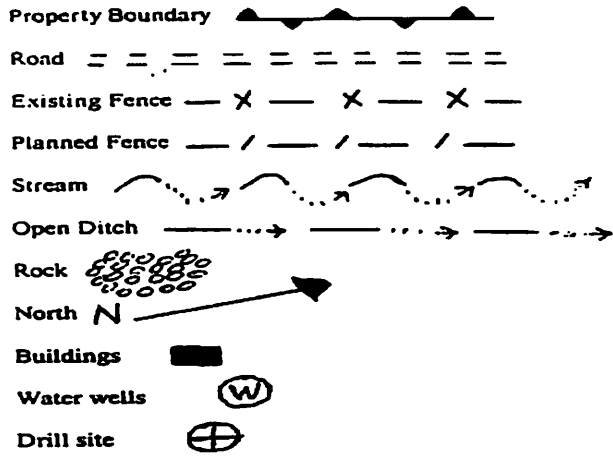
Lori L. Walker

Notary Public

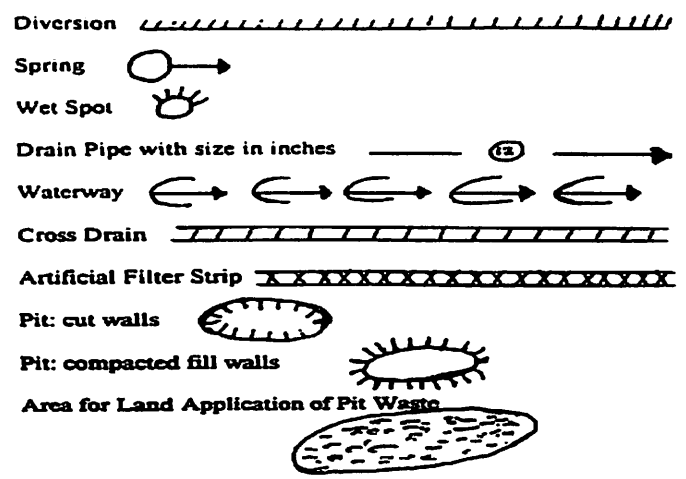
COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Lori L. Walker, Notary Public  
Richhill Twp., Greene County  
My Commission Expires Feb. 23, 2015  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

My commission expires February 23, 2015





**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: \_\_\_\_\_

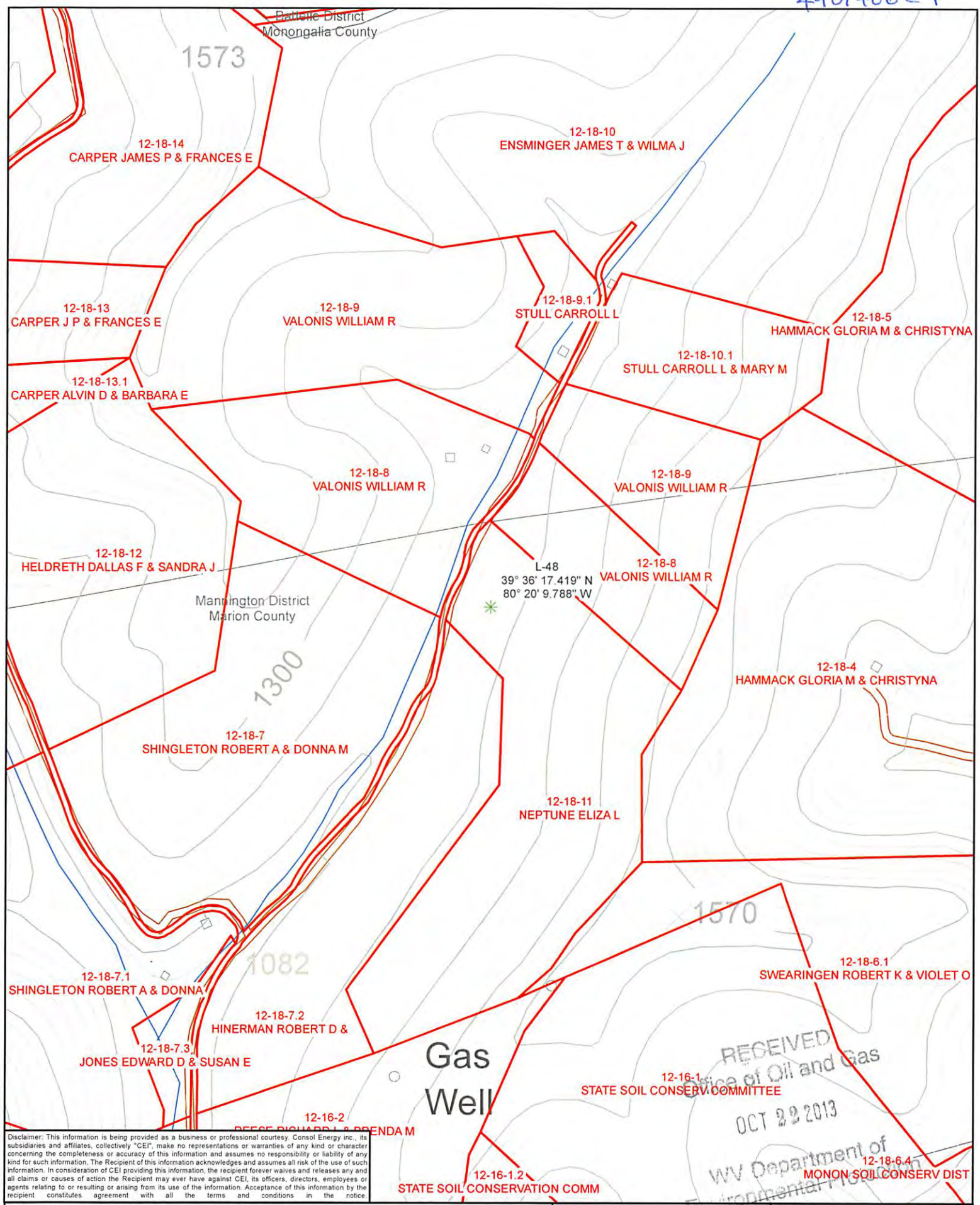
Comments: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Field Reviewed? ( ) Yes ( ) No

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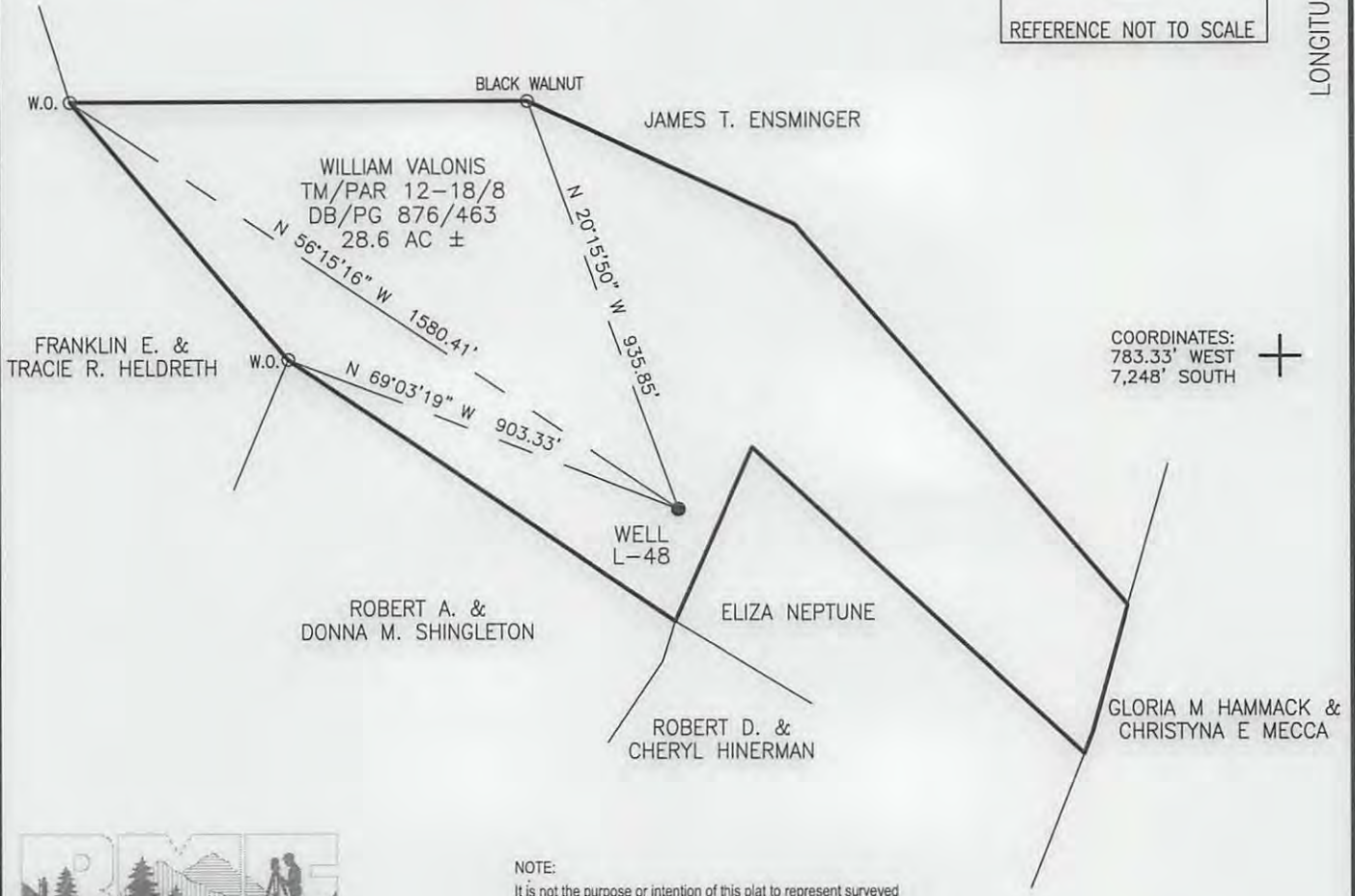
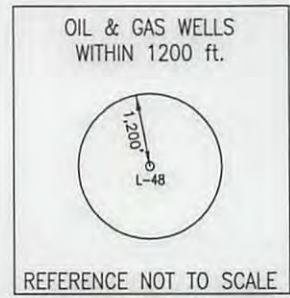
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MONON SOIL CONSERV DIST

<p><b>Legend</b></p> <ul style="list-style-type: none"> <li><span style="color: green;">*</span> GOB Well</li> <li><span style="border: 1px solid red; display: inline-block; width: 10px; height: 10px;"></span> Surface Property</li> <li><span style="border: 1px solid gray; display: inline-block; width: 10px; height: 10px;"></span> District / County</li> </ul>	<p>N</p> 	<p>1 inch = 500 feet</p> <p>Date: 7/10/2013    Prepared By: K. McCartney</p> <p>Revisions:            Approved By:</p> <p style="font-size: small;">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.</p>	<p><b>CONSOL ENERGY</b></p> <p>GOB Well Location Map Well L-48 for Plugging Loveridge Project Area</p> <p style="color: red; font-size: large; font-weight: bold;">11/10/2013</p>
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LATITUDE 39°37'30"

LONGITUDE 80°20'00"

**WELL LOCATION**  
**UTM 17-NAD83**  
**N:4384145.85**  
**E:556996.72**  
 NAD83\_WV NORTH  
 N:403627.16  
 E:1732933.17  
 LAT/LOG DATUM-WGS84  
 LAT:39°36'18.58"  
 LON:80°20'09.91"



COORDINATES:  
 783.33' WEST  
 7,248' SOUTH

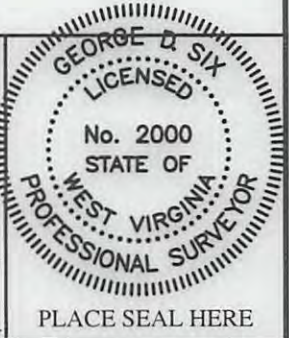


**Blue Mountain Engineering**  
 11023 MASON DIXON HIGHWAY  
 BURTON, WV 26562  
 PHONE: (304) 662-6486

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-48  
 DRAWING #: L-48  
 SCALE: 1" = 400'  
 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: *[Signature]*  
 R.P.E.: \_\_\_\_\_ L.L.S.: P.S. No. 2000



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



DATE: OCTOBER 10, 2013  
 OPERATOR'S WELL #: L-48  
 API WELL #: 47 049 01406C P  
 STATE COUNTY PERMIT

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

WATERSHED: FLAT RUN OF PYLES FORK CREEK ELEVATION: 1161'

COUNTY/DISTRICT: MARION / MANNINGTON QUADRANGLE: MANNINGTON, WV-PA 7.5'

SURFACE OWNER: WILLIAM VALONIS ACREAGE: 28.6±

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: 900'

WELL OPERATOR CNX GAS COMPANY LLC DESIGNATED AGENT JEREMY JONES  
 Address 200 EVERGREENE Dr. Address 1 DOMINION DRIVE  
 City WAYNESBURG State PA Zip Code 15370 City JANE LEW State WV Zip Code 26378

11/01/2013



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



August 1, 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-48”

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](mailto:SarahBaughman@consolenergy.com).

Sincerely,

Sarah Baughman

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OCT 29 2013  
WV Department of  
Environmental Protection