



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

March 06, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4901406, issued to CONSOLIDATION COAL COMPANY, 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: 03/06/2015

Promoting a healthy environment.

03/06/2015

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.
4. This well is under a consent order and must be plugged under the terms of that agreement.

4901406P

FORM WW-4(B)
Rev. 2/01

1.) Date: August 29, 20 14
2.) Operator's Well No. L-48
3.) API Well No. 47 - 49 - 01406
State County Permit

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
APPLICATION FOR A PERMIT TO PLUG & ABANDON

4.) WELL TYPE: Oil _____ / Gas X / Liquid injection _____ / Waste disposal _____ /
(IF "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow X)
5.) LOCATION: Elevation: 1148.50' Watershed: Flat Run of Pyles Fork of Buffalo Creek
District: Mannington County: Marion Quadrangle: Mannington 7.5'
6.) WELL OPERATOR Consolidation Coal Co. 7.) DESIGNATED AGENT Ronnie Harsh
Address 1 Bridge St. Address 1 Bridge St.
Monongah, WV 26554 Monongah, WV 26554
8.) OIL & GAS INSPECTOR TO BE NOTIFIED 9.) PLUGGING CONTRACTOR
Name Bill Hendershot Name _____
Address 403 James St. Address _____
Mannington, WV 26582 _____

10.) WORK ORDER: The work order for the manner of plugging this well is as follows:

SEE EXHIBIT NO. 1
101C

Received
Office of Oil & Gas
JAN 26 2015

OK
JNM

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

Work order approved by inspector _____ Date _____

03/06/2015

101C

EXHIBIT NO. 1

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. An attempt to remove all casing shall be made by pulling a minimum of 150% of the casing string weight. From the total depth or attainable bottom to the surface, casing will be removed so that only a single string will be left in the wellbore, if it can 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, any casing shall be ripped, cut, or perforated 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. A monument with the API No. will be set on the wellbore at the surface. All plugging work shall comply with WV Code Chapter 22 Article 6.

Received
Office of Oil & Gas
JAN 26 2015

03/06/2015

WV-5(3)

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 SEAM 890'

O K S M

1-3-03
RECEIVED
Office of Oil and Gas
OCT 9 2015

WV Department of
Environmental Protection

03/06/2015

State of West Virginia
 Department of Environmental Protection
 Office of Oil and Gas

Well Operator's Report of Well Work

Farm Name: Neptune, Eliza Operator Well No.: L-48

LOCATION: Elevation: 1161 Quadrangle: Mannington

District: Mannington County: Marion
 Latitude: 7248.00 Feet South of 39 Deg. 37 Min. 30 Sec.
 Longitude: 783.33 Feet West of 80 Deg. 20 Min. 00 Sec.

Company: CNX Gas Company LLC (North)

	Casing & Tubing	Used In Drilling	Left In Well	Cement Fill Up Cu. Ft.
Address: <u>1800 Washington Road</u>				
<u>Pittsburgh, PA 15241</u>				
Agent: <u>Edwin Merrifield</u>				
Inspector: <u>Steve Mossor</u>				
Date Permit Issued: <u>1/21/2003</u>				
Date Well Work Commenced: <u>Existing Borehole</u>				
Date Well Work Completed: <u>Converted to well</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet): <u>900</u>				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>890</u>				

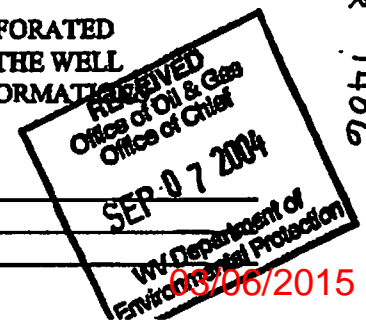
OPEN FLOW DATA

Producing formation Pittsburgh Coal Seam Pay zone depth (ft) 890
 Gas: Initial open flow 95 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 95 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 0 Hours
 Static rock pressure 1 psig (surface pressure) after - Hours

Second producing formation None Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Joseph P. Aman
 By: Joseph P. Aman
 Date: September 2, 2004



09/06/2015

49 01406P

FORM WW-4(A)
Revised 6-07

1) Date: August 29, 2014
2) Operator's Well No. 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 OF APPLICATION TO PLUG AND ABANDON A WELL

4) SURFACE OWNER(S) TO BE SERVED

(a) Name William R. Valonis
Address 171 Randy Peck Hollow Rd.
Mannington, WV 26582

(b) Name _____
Address _____

(c) Name _____
Address _____

(6) INSPECTOR _____
Address _____
Telephone _____

5)a) COAL OPERATOR

Name CONSOLIDATION COAL CO.
Address 1 Bridge St.
Monongah, WV 26554

(b) COAL OWNER(S) WITH DECLARATION:

Name _____
Address _____

(c) COAL LESSEE WITH DECLARATION:

Name _____
Address _____

TO THE PERSON(S) 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 and its location 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 OF THE COPY OF THE APPLICATION (FORM WW-4(B) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice 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 delivery by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery by the Chief.

Received
Office of Oil & Gas
JAN 26 2015

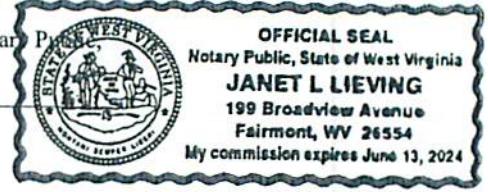
WELL OPERATOR Consolidation Coal Company
By _____
Its Project Engineer / Agent
Address _____
Telephone _____

Bonnie Hand

Subscribed and sworn before me this 4th day of September, 2014

Janet L. Lieving Notary Public
Marion County, State of West Virginia

My commission expires June 13, 2024



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 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 deprivacyofficer@wv.gov. 03/06/2015

4901406P

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

R. Harsh L-48

For delivery information visit our website at www.usps.com

OFFICIAL USE

7010 1060 0001 6642 2352

Postage	\$.69
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.69



Sent To William R. Valonis

Street, Apt. No., or PO Box No. 121 Randy Peck Hollow Rd.

City, State, ZIP+4 Mannington, WV 26582

PS Form 3800, August 2006 See Reverse for Instructions

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Office of Oil & Gas
JAN 26 2015

03/06/2015

4901406P

WW-9
Rev. 5/08

Page _____ of _____
API Number 47 - 049 - 01406
Operator's Well No. L-48

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 Consolidation Coal Company OP Code 10950

Watershed Flat Run of Pyles Fork of Buffalo Creek Quadrangle Mannington 7.5'

Elevation 1148.50' County Marion District Mannington

Description of anticipated Pit Waste: N/A

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes _____ No X

Will a synthetic liner be used in the pit? N/A. If so, what mil.? _____

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 Tanks, see attached letter)

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Freshwater

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

Additives to be used? Bentonite, Bicarbonate of Soda

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Reused or Disposed (see attached letter)

-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 *Bonnie Naud*

Company Official (Typed Name) _____

Company Official Title Project Engineer

Received
Office of Oil & Gas
JAN 26 2015

Subscribed and sworn before me this 4th day of September, 2014

Janet L. Lieving

My commission expires June 13, 2024



03/06/2015

Consolidation Coal Company
Northern West Virginia Operations
1 Bridge Street
Monongah, WV 26554

phone: 304-534-4748
fax: 304-534-4739
e-mail: ronnieharsh@consolenergy.com
web: www.coalsource.com

*Name: RONNIE HARSH
*title: Project Engineer

April. 7, 2014

Department of Environmental Protection
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304-2345
Phone: (304) 926-0499
Fax: (304) 926-0452

To Whom It May Concern:

As per the Department of Environmental Protection, Office of Oil and Gas request, Consolidation Coal Company, Northern West Virginia Operations, submits the following procedures utilizing pit waste.

Upon submitting a well work application (without general permit for Oil and Gas Pit Waste Discharge Application), Consolidation Coal Company, Northern West Virginia Operations, will construct no pits, but instead will use mud tanks to contain all drilling muds.

Once the well is completed, that material (minus the cave material) will be trucked to the next well to be plugged or to DEP impoundment facilities number U-78-83, U-104-83, or U-1011-93.

Sincerely,



Ronnie Harsh
Project Engineer

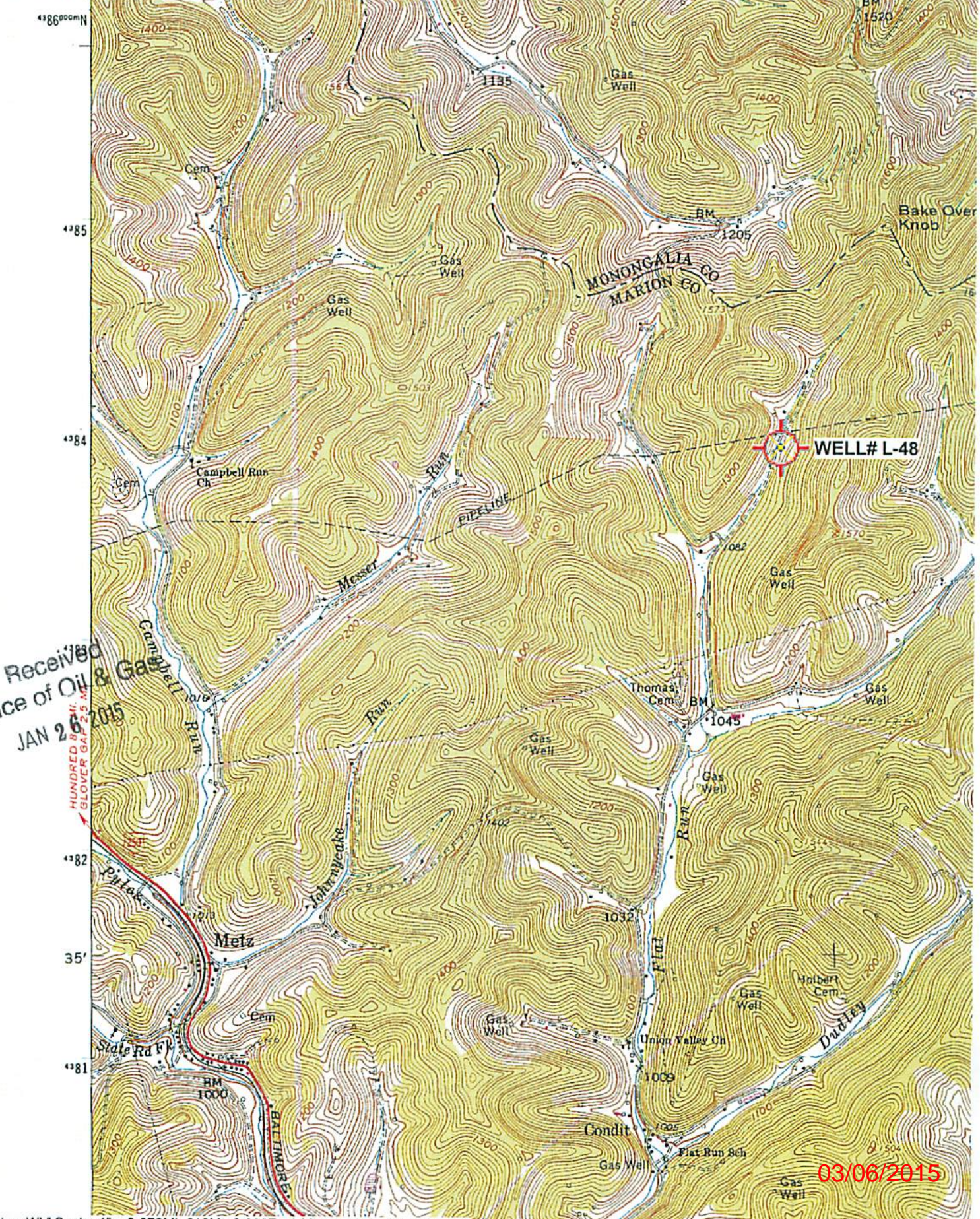
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Office of Oil & Gas
JAN 26 2015

4901406P

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

493 11 MW
(HUNDRED)

80° 22' 30" 54 000 E 55 56 57 20'



Received
Office of Oil & Gas
JAN 26 2015

HUNDRED 86 11
GLOVER GAP 25 15

03/06/2015

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-049-01406 WELL NO.: L-48

FARM NAME: Eliza Neptune

RESPONSIBLE PARTY NAME: Consolidation Coal Company

COUNTY: Marion DISTRICT: Mannington 4

QUADRANGLE: Mannington 7.5' 374

SURFACE OWNER: William R. Valonis

ROYALTY OWNER: _____

UTM GPS NORTHING: 4,384,146 m

UTM GPS EASTING: 556,996 m GPS ELEVATION: 349 m (1149')

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number 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 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS X: Post Processed Differential _____
Real-Time Differential _____

Mapping Grade GPS _____: Post Processed Differential _____
Real-Time Differential _____

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

[Signature]
Signature
August 29, 2014
Date

Professional Surveyor
Title

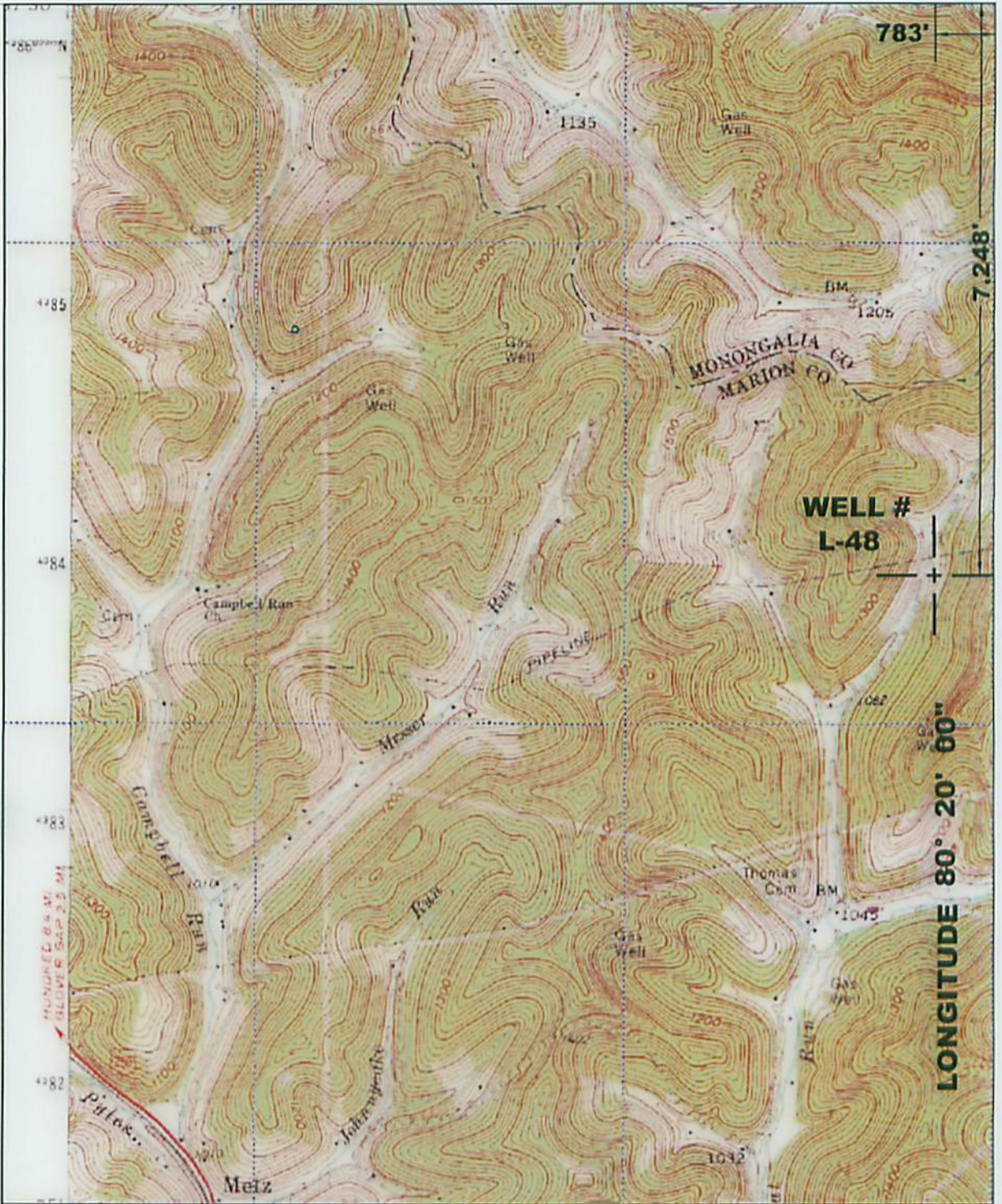
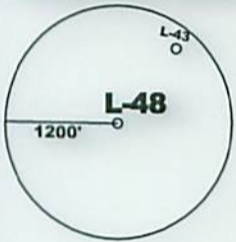
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Office of Oil & Gas
JAN 26 2015

FORM WW 6
LATITUDE
39° 37' 30"

783'

NORTH

**SURROUNDING WELLS
 WITHIN 1200' RADIUS**



LONGITUDE 80° 20' 00"

UTM ZONE 17 COORDINATES		TRUE LATITUDE/LONGITUDE	
NORTHING	4,384,146 M	39° 36' 18.3" N	
EASTING	556,996 M	80° 20' 10.6" W	

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 ENERGY.

P.S. *[Signature]*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE AUGUST 29, 20 14

OPERATORS WELL NO. L-48

API WELL NO. 47 - 49 - 01406 **P**
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY: 1/2500 FILE NO.: MANNINGTON1.DWG

SCALE: 1"=2000'

PROVEN SOURCE OF ELEVATION: GPS METADATA OR COMPANY NETWORK TIED INTO U.S.G.S.

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1148.50' WATERSHED: FLAT RUN OF PYLES FORK OF BUFFALO CREEK
 DISTRICT: MANNINGTON COUNTY: MARION QUADRANGLE: MANNINGTON, WV 7.5'
 SURFACE OWNER: WILLIAM R. VALONIS ACREAGE: 28.6± ACRES

ROYALTY OWNER: _____ LEASE ACREAGE: _____ LEASE NO.: _____

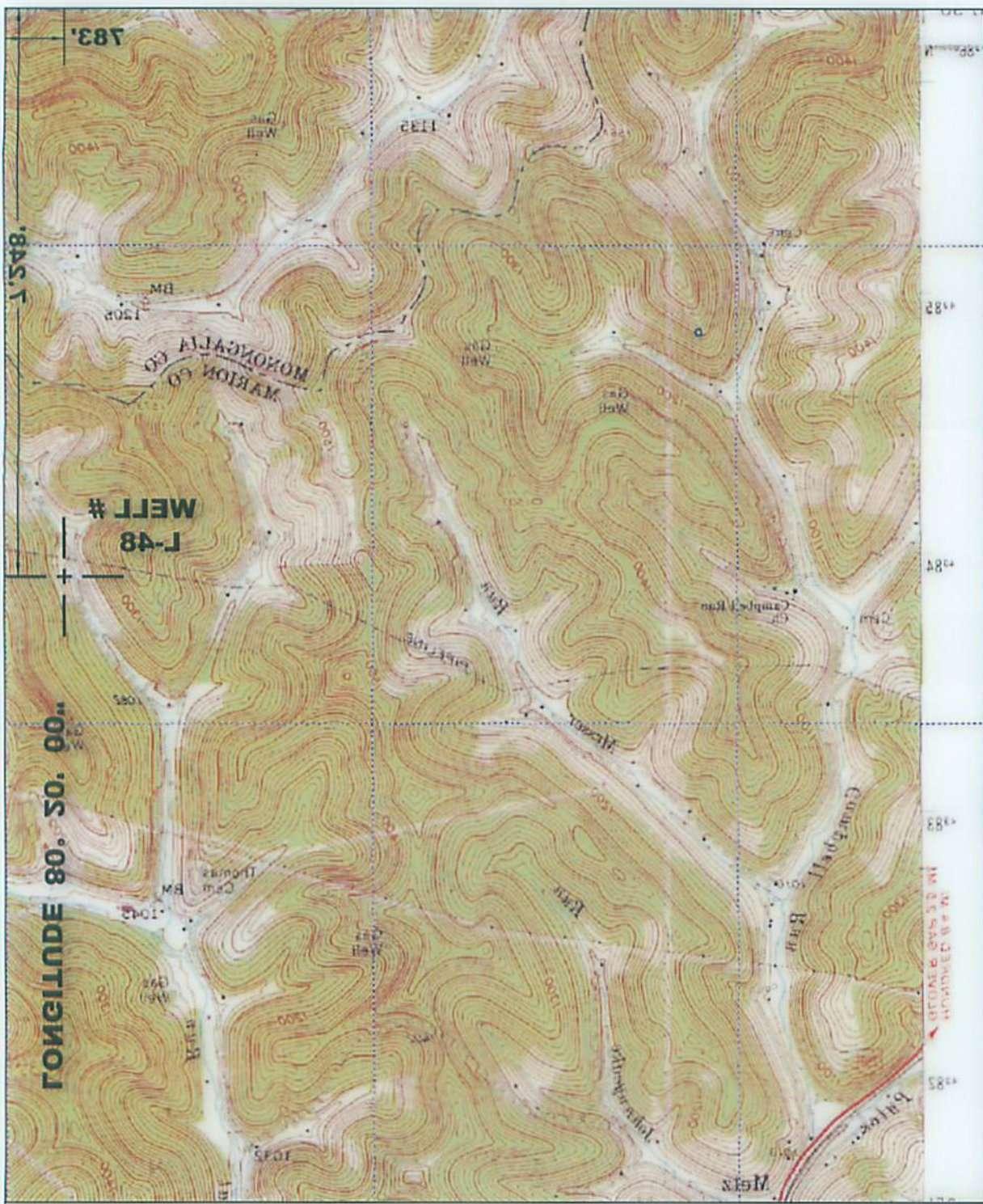
PROPOSED WORK: _____ DRILL: _____ CONVERT: _____ DRILL DEEPER: _____ REDRILL: _____ FRACTURE OR STIMULATE: _____ PLUG OFF OLD: _____
 FORMATION: _____ PERFORATE NEW FORMATION: _____ PLUG AND ABANDON: CLEAN OUT AND REPLUG: _____ OTHER: _____

PHYSICAL CHANGE IN WELL (SPECIFY): _____ TARGET FORMATION: NONE ESTIMATED DEPTH: _____

WELL OPERATOR: **CONSOLIDATION COAL COMPANY** DESIGNATED AGENT: **RONNIE HARSH**
 ADDRESS: **1 BRIDGE ST., MONONGAH, WV 26554** ADDRESS: **1 BRIDGE ST., MONONGAH, WV 26554**

COUNTY NAME PERMIT

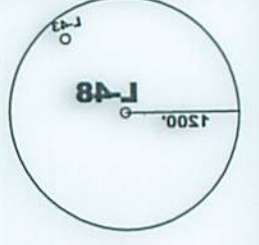
03/06/2015



FORM WW-2
LATITUDE
 39° 37' 30"

NORTH

SURROUNDING WELLS WITHIN 1500' RADIUS



LONGITUDE 80° 50' 00"

EASTING 556,996 M **NORTHING 4,384,146 M** **UTM ZONE 17 COORDINATES**

80° 50' 10.6" W **TRUE LATITUDE/LONGITUDE**

PERMIT **STATE** **COUNTY** **WELL NO.** **API NO.** **OPERATORS WELL NO.** **DATE**

01406 P 49 47 L-48 AUGUST 29, 2014

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 ENERGY.

P. S. 2002

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS



OF ACCURACY: 1/2500 **MINIMUM DEGREE**

PROVEN SOURCE: GPS METADATA OR COMPANY NETWORK TIED INTO U.S.G.S. **SCALE:** 1"=2500'

FILE NO.: MANNINGTON.DWG

WELL TYPE: OIL **GAS** **INJECTION** **LIQUID** **WASTE DISPOSAL** **"GAS" PRODUCTION** **STORAGE** **DEEP** **SHALLOW**

LOCATION: ELEVATION: 1148.50' WATERSHED: FLAT RUN OF PYLES FORK OF BUFFALO CREEK

DISTRICT: MANNINGTON **COUNTY:** MARION **QUADRANGLE:** MANNINGTON, WV 7.5'

SURFACE OWNER: WILLIAM R. VALONIS **ACREAGE:** 28.6± ACRES

ROYALTY OWNER: _____ **LEASE ACREAGE:** _____

PROPOSED WORK: 03/06/2015

PERMIT: **FORMATION:** PERFORATE NEW FORMATION: _____ **PLUG AND ABANDON:** **CLEAN OUT AND REPLUG:** _____ **OTHER:** _____

PHYSICAL CHANGE IN WELL (SPECIFY): _____ **TARGET FORMATION:** NONE **ESTIMATED DEPTH:** _____

WELL OPERATOR: CONSOLIDATION COAL COMPANY **DESIGNATED AGENT:** RONNIE HARSH

ADDRESS: 1 BRIDGE ST., MONONGAH, WV 25524 **ADDRESS:** 1 BRIDGE ST., MONONGAH, WV 25524