



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

February 23, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5100620, 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: 2
Farm Name: CORBLEY, A.
API Well Number: 47-5100620
Permit Type: Plugging
Date Issued: 02/23/2015

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.

5100620P

WW-4B
(Rev. 6-07)

1) Date: November 7, 2014
2) Operator's Well Number Corbley, A. #2
3) API Well No.: 47 - 051 - 00620
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 1062.51' Watershed Fish Creek
District Meade 5 County Marshall Quadrangle Glen Easton, WV 7.5' 370

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

7) Designated Agent Matthew Imrich
Address One Dominion Drive
Jane Lew, WV 26378

8) Oil and Gas Inspector to be notified
Name James Nicholson
Address P.O. Box 44
Moundsville, WV 26041

9) Plugging Contractor
Name Skyline Contracting
Address P.O. Box 663
Oakwood, VA 24631

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

Received
Office of Oil & Gas
DEC 10 2014

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

Work order approved by inspector James Nicholson Date 12/8/2014

02/27/2015

A. Corbley #2P.N.: 47-051-00620Meade DistrictMarshall CountyLocation: Glen Easton Northing - 466,231

Easting - 1,674,271

Elevation: 1080 GLM

Proposed Plug & Abandonment Procedure:

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 fully cemented casing strings will be left in the wellbore. Intact and un-cemented 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 number will be set on the wellbore at the surface. All plugging shall comply with WV Code Chapter 22 Article 6.

* CLASS A CEMENT WITH NO MORE THAN 3% CaCl_2
AND NO OTHER ADDITIVES.

JWAM

James Walker
12/8/2014

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Office of Oil & Gas

DEC 10 2014

23 S. E. *W. 2*
 District Meade
 County Marshall
 State W. Va.
 Rights Owned By

Location Made 5-7-1902 7-6-'02
 Rig Completed June 20, 1902
 Dr'g Commenced June 27, 1902
 Dr'g Completed Sept. 26, 1902
 Dr'g Contractor C. R. Spring

Purchased From
 Date Purchased
 Sold To
 Date Sold
 Date Abandoned

FORMATION

CASING RECORD

Kind	Top	Bottom	Steel Line Measurement	Tests
Conductor		16'		
Native Coal	421'	427'		
Mapletown	619'	622'		
Pgh Coal	709'	716'		
Salt Sand	1484'	1641'		
3ig Lime	1794'	1832'		
3ig Injun	1832'	2031'		
Stray Sand	2572'	2679'		
Gordon	2703'	2731'		
Total depth		2732'		

Size	Bottom Casing (Steel Line)	Put In Well (Tally Meas.)	Pulled (Tally Meas.)	Cemented
10"		978'	770'	Date
8-1/4"		1100'	940'	Size Csg.
6-5/8"		1784'		Top "
5-8/16"		2121'		Bot. "

PACKERS AND SHOES

Kind	Size	Depth Set	Date Set

TORPEDO RECORD

Date	No. Qts.	Size Shell	Top Shot	Bottom	Results
9-26-'02	40	14	2705		
4-9-'03	60	20	2705		
3-28-'04	40	10	2711		
1-8-'08	60	20	2712		
11/4-1941	30	4 1/2 x 10"	2705	2715	

DRILLING DEEPER

Commenced	Completed	Original Depth	Final Depth	Contractor

ABANDONMENT RECORD

Filled With	From	To	PLUG		
			Size	Kind	Depth

Received
 Office of Oil & Gas
 DEC 10 2014

Oil Prod.	Sand	* At Completion	* 30Days After	*
	Gordon	50 bbls		

APPROVED

02/27/2015 Supr

REPAIRS TO WELL

Commenced	Completed	DRILLED DEEPER		Shot (No. Quarts)	TESTS BEFORE		TESTS AFTER		ROCK Before
		From	To		Oil	Gas	Oil	Gas	

VOLUME AND PRESSURE TESTS

Date	Reading	Liquid	Opening	Tubing or Casing	Line Pressure	MINUTES						Rock Pressure	
						1	2	3	4	5	10		30
1930	82												
1931	122												
1932	216												
1933	224												
1934	352												
1935	358												
1936	360												
1937	392												
1938	396												
1939	422												

PRODUCTION

Year	Barrels	Year	Barrels
1940	355	1955	363
1941	489	1956	336
1942	663	1957	314
1943	580	1958	246
1944	510	1959	271
1945	489	1960	274
1946	353	1961	280
1947	400	1962	282
1948	578	1963	295
1949	326	1964	292
1950	293	1965	302
1951	342	1966	328 289
1952	408	1967	270
1953	385		
1954	412		

REMARKS

Received
Office of Oil & Gas
DEC 10 2014

51 00620P

WW-4A
(Rev. 6-07)

1) Date: October 13, 2014
2) Operator's Well Number Corbley, A. #2
3) API Well No.: 47 - 051 - 00620
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>Thomas M. Andrich Jr. EST ET UX</u>	Name _____
Address <u>305 Tomlinson Avenue</u>	Address _____
<u>Glendale, WV 26038</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>CNX Land LLC</u>
_____	Address <u>1000 Consol Energy Drive</u>
_____	<u>Canonsburg, PA 15317</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>James Nicholson</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 44</u>	Name _____
<u>Moundsville, WV 26041</u>	Address _____
Telephone <u>304-552-3874</u>	_____

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.

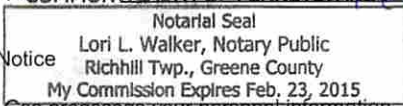
Received
Office of Oil & Gas
DEC 10 2014

Well Operator	<u>CNX Gas Company LLC</u>
By:	<u>Erika Whetstone</u>
Its:	<u>Permitting Supervisor</u>
Address	<u>200 Evergreene Drive</u>
	<u>Waynesburg, PA 15370</u>
Telephone	<u>724-6271492</u>

Commonwealth of Pennsylvania County of Greene
Subscribed and sworn before me this 13th day of October, 2014

Lori L. Walker Notary Public
My Commission Expires February 13, 2014

My Commission Expires February 13, 2014



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 deprivacyofficer@wv.gov.

02/27/2015

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	

Sent To
 Thomas A. Anderson, Jr., Est. E.I.U.X.
 Street, Apt. No., or PO Box No. 305 Tomlinson Avenue
 City, State, ZIP+4[®] Calendale, WY 26038

PS Form 3800, August 2006 See Reverse for Instructions

7013 2250 0000 9760 2590



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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	

Sent To
 CNX Land LLC
 Street, Apt. No., or PO Box No. 1000 Lorsole Energy Drive
 City, State, ZIP+4[®] Mannesburg PA 15317

PS Form 3800, August 2006 See Reverse for Instructions

7013 2250 0000 9760 2605



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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	

Sent To
 James Nicholson
 Street, Apt. No., or PO Box No. P.O. Box 44
 City, State, ZIP+4[®] Moundsville, WV 26041

PS Form 3800, August 2006 See Reverse for Instructions

7013 2250 0000 9760 2569



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 Office of Oil & Gas
 DEC 10 2014

5100620P

02/27/2015

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 Fish Creek Quadrangle Glen Easton, WV 7.5'

Elevation 1062.51' County Marshall District Meade

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

ANY WELL EFFLUENT
MUST BE DISPOSED OF
PROPERLY. gwm

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)

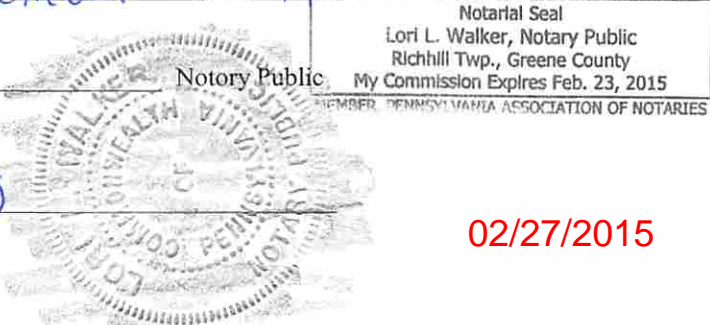
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 Erika Whetstone Received
Office of Oil & Gas
 Company Official (Typed Name) Erika Whetstone DEC 10 2014
 Company Official Title Supervisor- Permitting

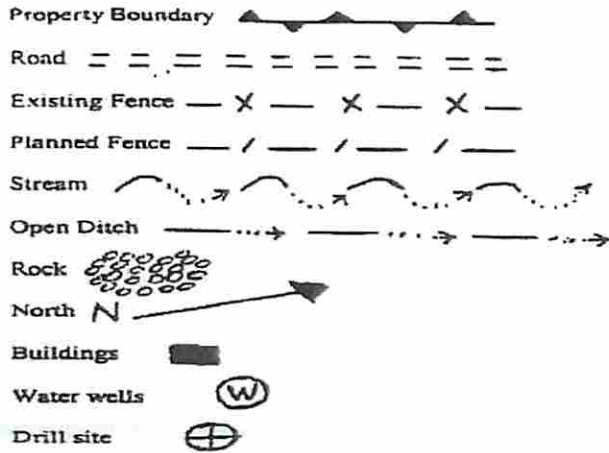
Commonwealth of Pennsylvania County of Greene
Subscribed and sworn before me this 7th day of November, 2014

Lori L Walker

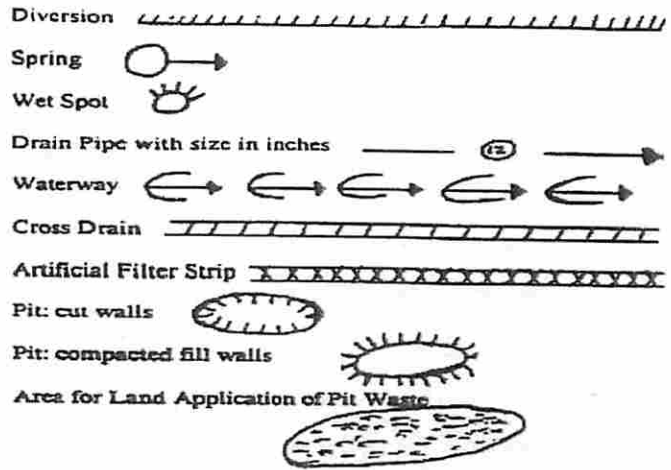


My commission expires February 23, 2015

02/27/2015



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	lbs/acre
Tall Fescue		40
Landino Clover		5

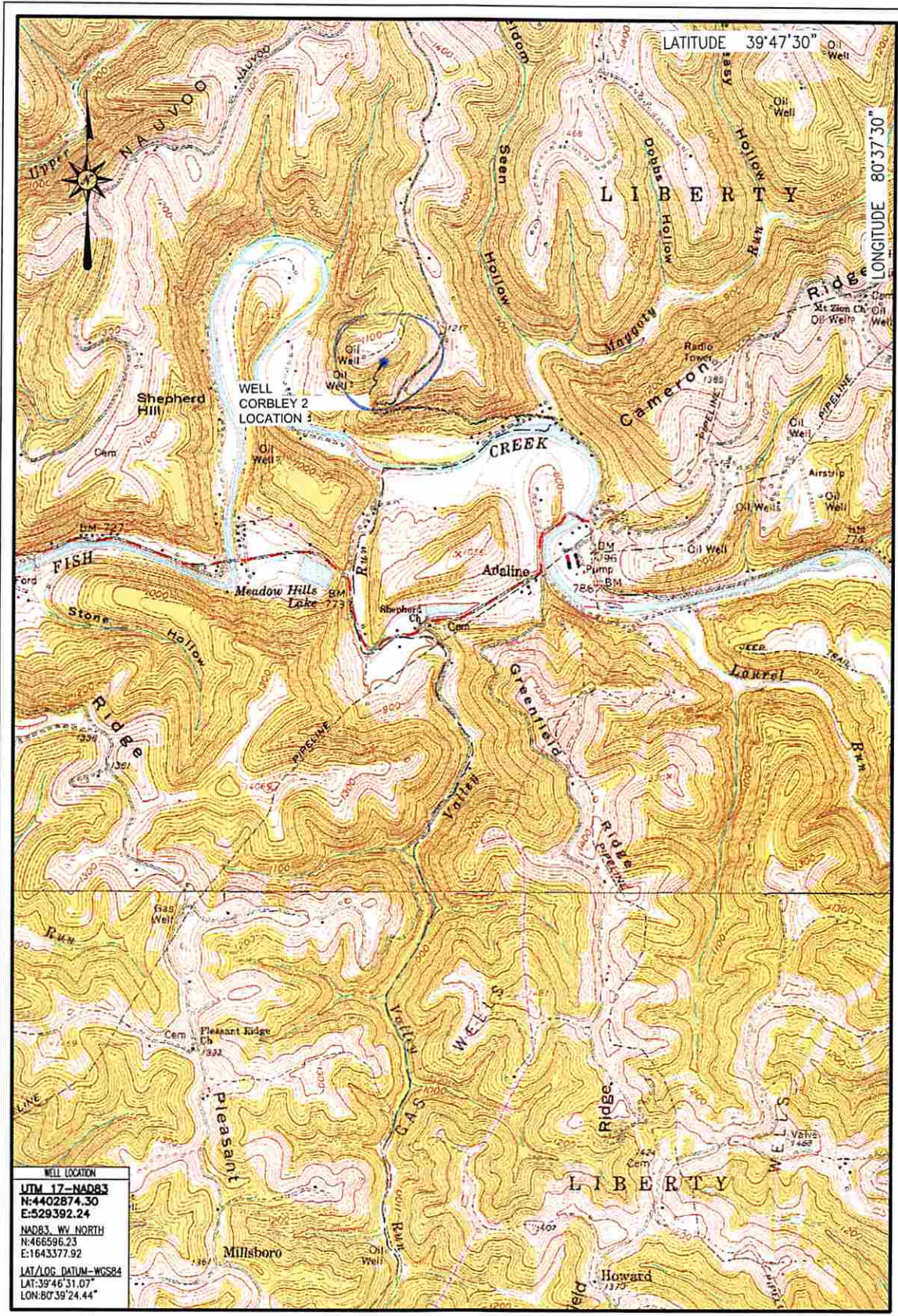
Seed Type	Area II	lbs/acre
Tall Fescue		40
Landino Clover		5

Attach:
 Drawing(s) of road, location, pit and proposed area for land application.
 Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]
 Comments: _____

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 Office of Oil & Gas
 DEC 10 2014

Title: Oil & Gas Inspector Date: 12/8/14
 Field Reviewed? () Yes () No



LATITUDE 39°47'30"
 LONGITUDE 80°37'30"

WELL LOCATION
 UTM 17-NAD83
 N:4402874.30
 E:529392.24
 NAD83, WY NORTH
 N:466596.23
 E:1643377.92
 LAT/LOG DATUM-WGS84
 LAT:39°46'31.07"
 LON:80°39'24.44"

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 Office of Oil & Gas

LOCATION MAP
 OCTOBER 30, 2014

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

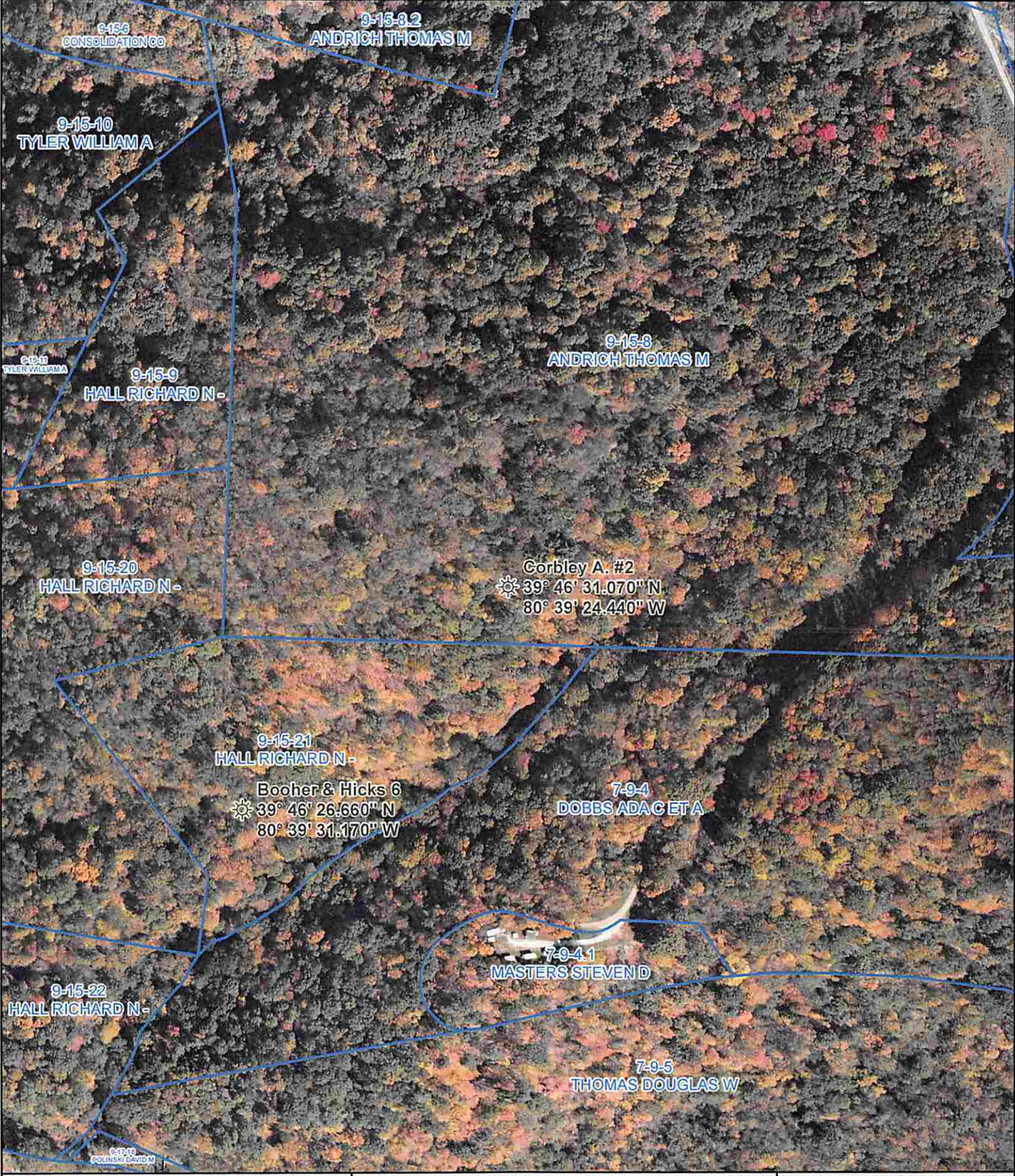
CORBLEY 2
 GLEN EASTON QUADRANGLE
 WEST VIRGINIA

SCALE 1" = 2000'



0' 2000' 4000' 6000'



BLUE MOUNTAIN ENGINEERING

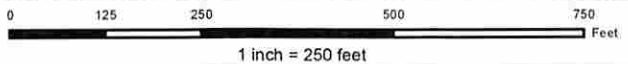


Legend

-  Wellbore
-  Parcel Boundary

Office of Oil & Gas

DEC 10 2014



 **CONSOL ENERGY**
Canonsburg, PA

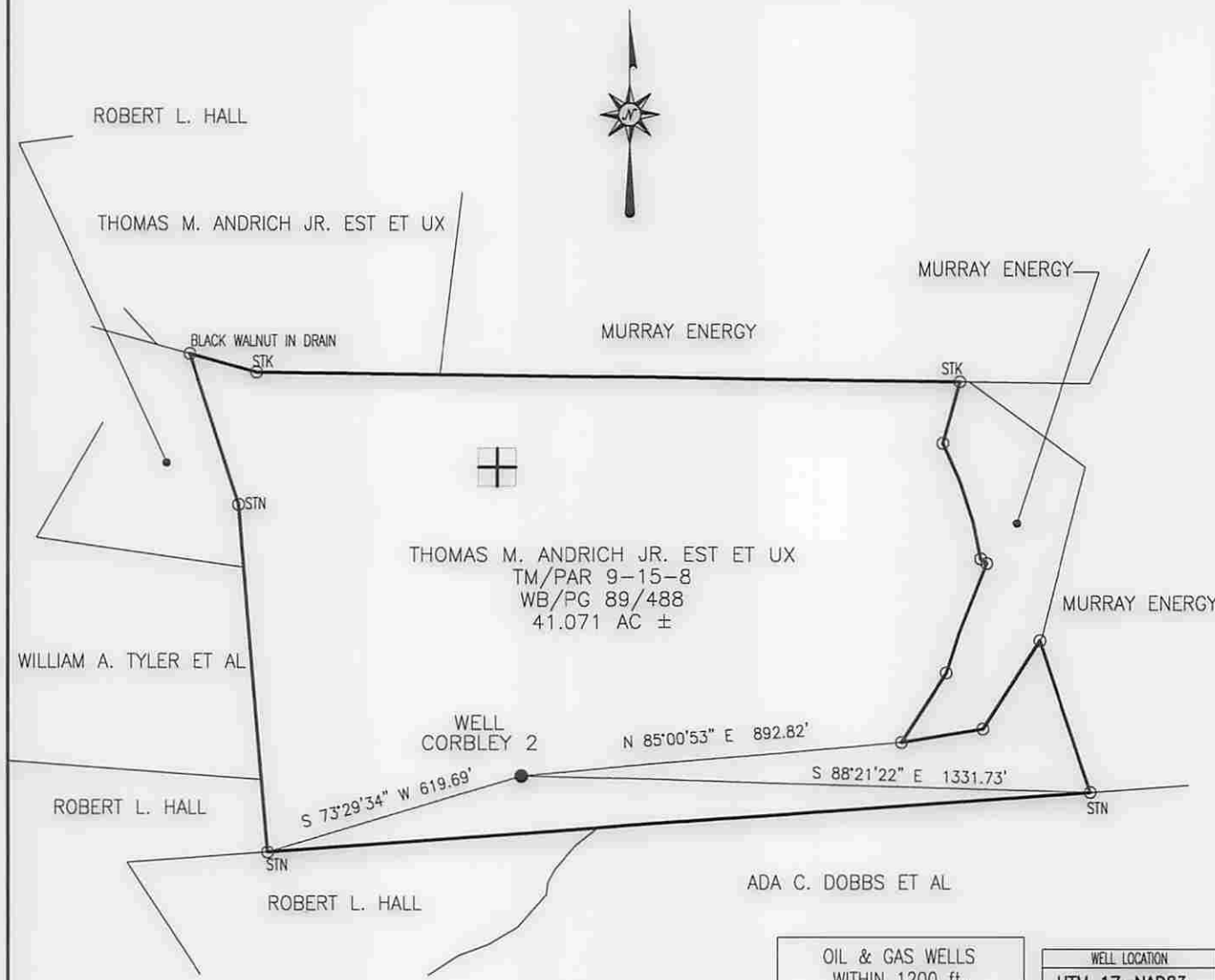
This map is property of CNX Land Resources, Inc. and contains information that is proprietary and confidential in nature and may not be copied or reproduced without prior consent.
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Prepared By: Jason Bartley
Original Date: 10/6/2014
Revision No:
Revision Date:

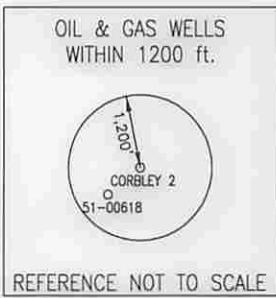
Location Map
02/27/2015
Corbley A. #2

Well is located on topo map 5,962 feet south of Latitude: 39° 47' 30"

Well is located on topo map 8,934 feet west of Longitude: 80° 37' 30"



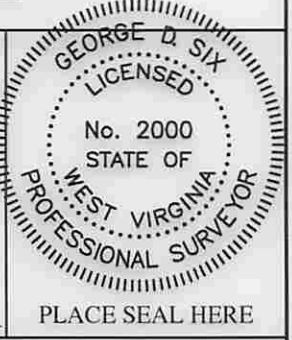
NOTE:
It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.



WELL LOCATION	
UTM 17-NAD83	
N:4402874.30	
E:529392.24	
NAD83, WV NORTH	
N:466596.23	
E:1643377.92	
LAT/LOG DATUM-WGS84	
LAT:39°46'31.07"	
LOX:80°39'24.44"	

FILE #: CORBLEY 2
 DRAWING #: CORBLEY 2
 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: *George D. Six*
 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 13, 2014
 OPERATOR'S WELL #: CORBLEY 2
 API WELL #: 47 051 00620
 STATE COUNTY PERMIT

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

WATERSHED: FISH CREEK ELEVATION: 1062.51'
 COUNTY/DISTRICT: MARSHALL / MEADE QUADRANGLE: GLEN EASTON, WV 7.5'
 SURFACE OWNER: THOMAS M. ANDRICH JR. EST ET UX ACREAGE: 41.071±
 OIL & GAS ROYALTY OWNER: CONSOLIDATION COAL COMPANY 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: GORDON ESTIMATED DEPTH: 2,732'±
 WELL OPERATOR CNX GAS COMPANY, LLC DESIGNATED AGENT MATTHEW IMRICH
 Address 200 EVERGREENE Dr. Address 1 DOMINION DRIVE
 City WAYNESBURG State PA Zip Code 15370 City JANE LEW State WV Zip Code 26378

02/27/2015

5100 620A



Erika Whetstone
Supervisor-Permitting
Waynesburg, PA 15370
(724) 627-1492



December 8, 2014

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

Plugging Permit Application – Well “Corbley, A. #2”

Dear Sir or Madam,

Enclosed is the plugging permit application for the above referenced well. This well is one of many to be plugged in 2015 to comply with CNX Gas Company’s consent order.

If any further information or correspondence is required, please contact me at (724)627-1492 or ErikaWhetstone@consolenergy.com.

Sincerely,

A handwritten signature in blue ink that reads 'Erika Whetstone'.

Erika Whetstone

Received
Office of Oil & Gas
DEC 10 2014

02/27/2015