



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

August 21, 2014

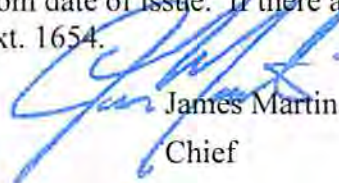
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-6100375, 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: 12485
Farm Name: BLANEY, BRUCE
API Well Number: 47-6100375
Permit Type: Plugging
Date Issued: 08/21/2014

Promoting a healthy environment.

08/22/2014

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.

G100375P

WW-4B
(Rev. 6-07)

1) Date: June 13, 2014
2) Operator's Well Number Blaney #12485
3) API Well No.: 47 - 061 - 00375
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 1099' Watershed
District Clinton County Monongalia Quadrangle Rivesville

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

7) Designated Agent Jeremy Jones
Address One 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 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 pages.

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

Work order approved by inspector _____ Date _____

08/22/2014

12485 Bruce Blaney # 1P.N.: 47-061-0375Clinton DistrictMonongalia CountyLocation: Joes Run/Rivesville QuadElevation: 1099' GLM**PROPOSED PLUG & ABANDONMENT PROCEDURES**

- OK
BY PHOENIX
GAYNE
KOWITOWSKI
JMM
1. Blow the well down. Pump 25-30 bbl of water into the well to kill the well.
 2. Rig up service rig over the well and disassemble the entire well head. Run 4254' of 2 3/8" 8rd EUE tubing in the well. Tag bottom and pick up 5'.
 3. Mix and pump breaking circulation w/t 50 bbl of gelled fresh water w/t a 6% gel mix.
 4. Mix and pump 163 sx (2165' of fill-up) of Regular Class A Portland containing 2% CaCl₂. Balance the cement to 2000' w/t 32 bbl of a 6% freshwater gel mix.
 5. Pull all tubing from the well, stopping @ 2000'. Reverse circulate the hole w/t gel till gel returns.
 6. Pull the remaining tubing from the well. Shut down and WOC for 10-12 hrs.
 7. Rig up the wireline company. Run a cement bond log to determine cement top on the 4 1/2" casing. Shoot the casing off 20'-30' above the indicated cement top on the log.
 8. Pull on the casing a minimum of 50% above the string weight at the cut or around 35,000# of pull (string weight 23,300#). If casing does not come free, rig up the cementing company or a mud pump and attempt to pump the casing free.
 9. Recut the casing 50'-70' above the previous cut if this does not free up the casing. Repeat until casing comes free. Once free, pull one full joint above the cut and circulate the hole w/t gelled fluid.
 10. Lower the casing back down near the cut point.
 11. Mix and pump 30 sx of Regular Class A Portland (100') w/t 2% CaCl₂. Balance the plug out of the bottom of the 4 1/2" casing w/t 6% gel.
 12. Pull the 4 1/2" casing up to 1012'.
 13. Mix and pump 30 sx of Regular Class A Portland (100') w/t 2% CaCl₂ and 2% gel. Balance the plug to 912' w/t fresh water gel. This plug will leave 50' cement below the 8 5/8" and 50' inside the 8 5/8" casing.

08/22/2014

14. Pull the 4 ½" casing to 500'.
15. Mix and pump 150 sx or Regular Class A Portland w/t 2% CaCl₂. Circulate cement to surface.
16. Pull the remaining casing from the well. Top off with cement as required.
17. Install an 8" x 6' pup joint on the top 8" collar. The complete API number will be welded onto the monument in 1" letters and numbers.
18. Clean up site, grade seed and mulch as required.

RECEIVED
Office of Oil and Gas

AUG 20 2014

WV Department of
Environmental Protection



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Rotary Oil _____
 Cable _____ Gas
 Recycling _____ Comb. _____
 Water Flood _____ Storage _____
 Disposal _____ (Kind)

Quadrangle Rivesville

Permit No. MON-375
47-061

Company Consolidated Gas Supply Corp.
 Address 445 W. Main St., Clarksburg, WV
 Farm Bruce Blaney Acres 128
 Location (waters) Joas Run
 Well No. 12485 Elev. 1099'
 District Clinton County Monongalia
 The surface of tract is owned in fee by _____
Bruce Blaney
 Address Rt. 9, Box 58, Morgantown, WV
 Mineral rights are owned by Same
 _____ Address _____
 Drilling Commenced September 25, 1978
 Drilling Completed September 30, 1978
 Initial open flow 5M cu. ft. _____ bbls.
 Final production 211M cu. ft. per day _____ bbls.
 Well open _____ hrs. before test 1100# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <u>1 3/4"</u>	<u>33'</u>	<u>33'</u>	To surface
<u>9 5/8"</u>			To surface
<u>8 5/8"</u>	<u>963'</u>	<u>963'</u>	To surface
<u>7"</u>			
<u>5 1/2"</u>			
<u>4 1/2"</u>	<u>425'</u>	<u>425'</u>	400 Sks.
<u>3"</u>			
<u>2"</u>			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well fractured in Riley with 52,500# sand, 800 bbls. of water & 500 gals. 15% Hcl.
Perforations: 4071' - 4077' with 10 holes.
Well fractured in Speechley with 60,000# sand, 800 bbls. of water & 800 gals. 15% Hcl.
Perforations: 2862' - 2870' with 16 holes.

Coal was encountered at 337', 400' & 490' Feet. 36", 60" & 36" Inches
 Fresh water 30' 105' Feet Salt Water 1185' Feet
 Producing Sand Riley & Speechley Depth 4071-4077' & 2862-2870'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	10		
Sand & Shale			10	337		
Coal			337	340		
Sand & Shale			340	400		
Coal			400	405		
Sand & Shale			405	490		
Coal			490	493		
Sand & Shale			493	950		
Lime & Injun			950	1185		
Sand & Shale			1185	2900		
Red Rock			2900	2950		
Shale & Sand			2950	4205		
Little Brown Sand			4205	4220		
Sand & Shale			4220	4406		
KBM 10' above G. L.						
					T. D.	
					Consolidated Gas Supply Corp.	
					445 West Main Street	
					Clarksburg, West Virginia	
					<u>F. E. Lewis</u> Manager of Prod.	

RECEIVED
Office of Oil and Gas
JUN 14 1978
WV Department of
Environmental Protection

(over)

* Indicates Electric Log tops in the remarks section.

6100375 P

WW-4A
(Rev. 6-07)

1) Date: June 2, 2014
2) Operator's Well Number
Blaney #12485
3) API Well No.: 47 - 061 - 00375
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>Bruce & Flossie R. Blaney</u>	Name _____
Address <u>117 Bull Run Rd.</u>	Address _____
<u>Morgantown, WV 26508</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Bruce & Flossie R. Blaney</u>
_____	Address <u>117 Bull Run Rd.</u>
_____	<u>Morgantown, WV 26508</u>
(c) Name _____	Name _____
Address _____	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 <u>304-206-7750</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.

<u>Commonwealth of Pennsylvania</u>	<u>County of Greene</u>
Well Operator	<u>CNX Gas Company LLC</u>
By: _____	<u>Erika Whetstone</u>
COMMONWEALTH OF PENNSYLVANIA	<u>Permitting Agent II</u>
Notarial Seal	<u>200 Evergreene Drive</u>
Lori L. Walker, Notary Public	<u>Waynesburg, PA 15370</u>
Richhill Twp., Greene County	<u>724-6271492</u>
My Commission Expires Feb. 23, 2015	
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES	

RECEIVED
Office of Oil and Gas
JUN 4 2014

Subscribed and sworn before me this 2nd day of June, 2014
Lori L. Walker Notary Public
My Commission Expires February 23, 2015

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.

08/22/2014

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> <i>Bill Hendershot</i> <input type="checkbox"/> Agent <input type="checkbox"/> Address</p> <p>B. Received by (Printed Name) <input type="checkbox"/> C. Date of Delivery</p>
<p>1. Article Addressed to:</p> <p>Bill Hendershot 403 James Street Mannington, WV 26582</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service) 91 7199 9991 7033 6026 7334</p> <p>PS Form 3811, July 2013 Domestic Return Receipt</p>	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> <i>Bruce R. Blaney</i> <input type="checkbox"/> Agent <input type="checkbox"/> Address</p> <p>B. Received by (Printed Name) <input type="checkbox"/> C. Date of Delivery</p>
<p>1. Article Addressed to:</p> <p>Bruce and Flossie R. Blaney 117 Bull Run Rd. ✓ Morgantown, WV 26508</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service) 91 7199 9991 7033 6026 7341</p> <p>PS Form 3811, July 2013 Domestic Return Receipt</p>	

08/22/2014

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 Upper Monongahela River Quadrangle Rivesville, WV 7.5

Elevation 1099' County Monongalia District Clinton

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

RECEIVED
Office of Oil and Gas
JUN 4 2014

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 Enika L Whetstone

Company Official (Typed Name) Enika L Whetstone

Company Official Title Permitting Agent II

Subscribed and sworn before me this 2nd day of June, 2014

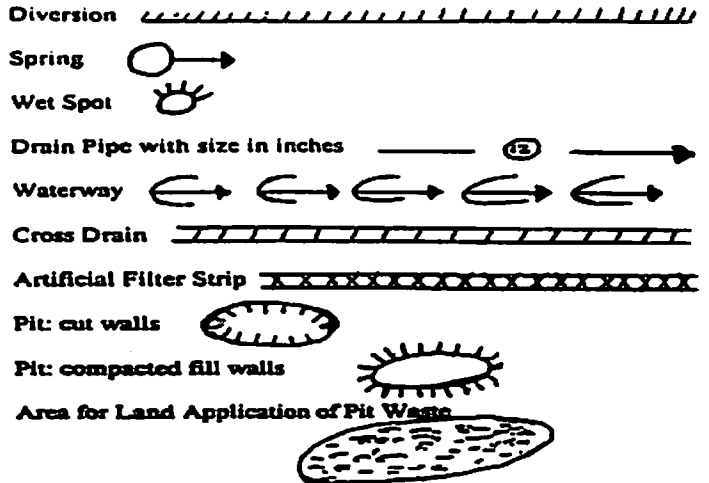
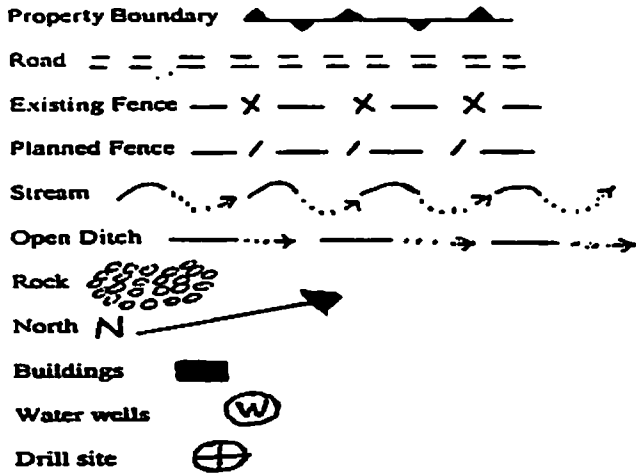
Lori L Walker
Notary Public

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

JUN 24 2014

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

RECEIVED
Office of Oil and Gas

JUN 24 2014

RECEIVED
Office of Oil and Gas
Environmental Protection

JUN 24 2014

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

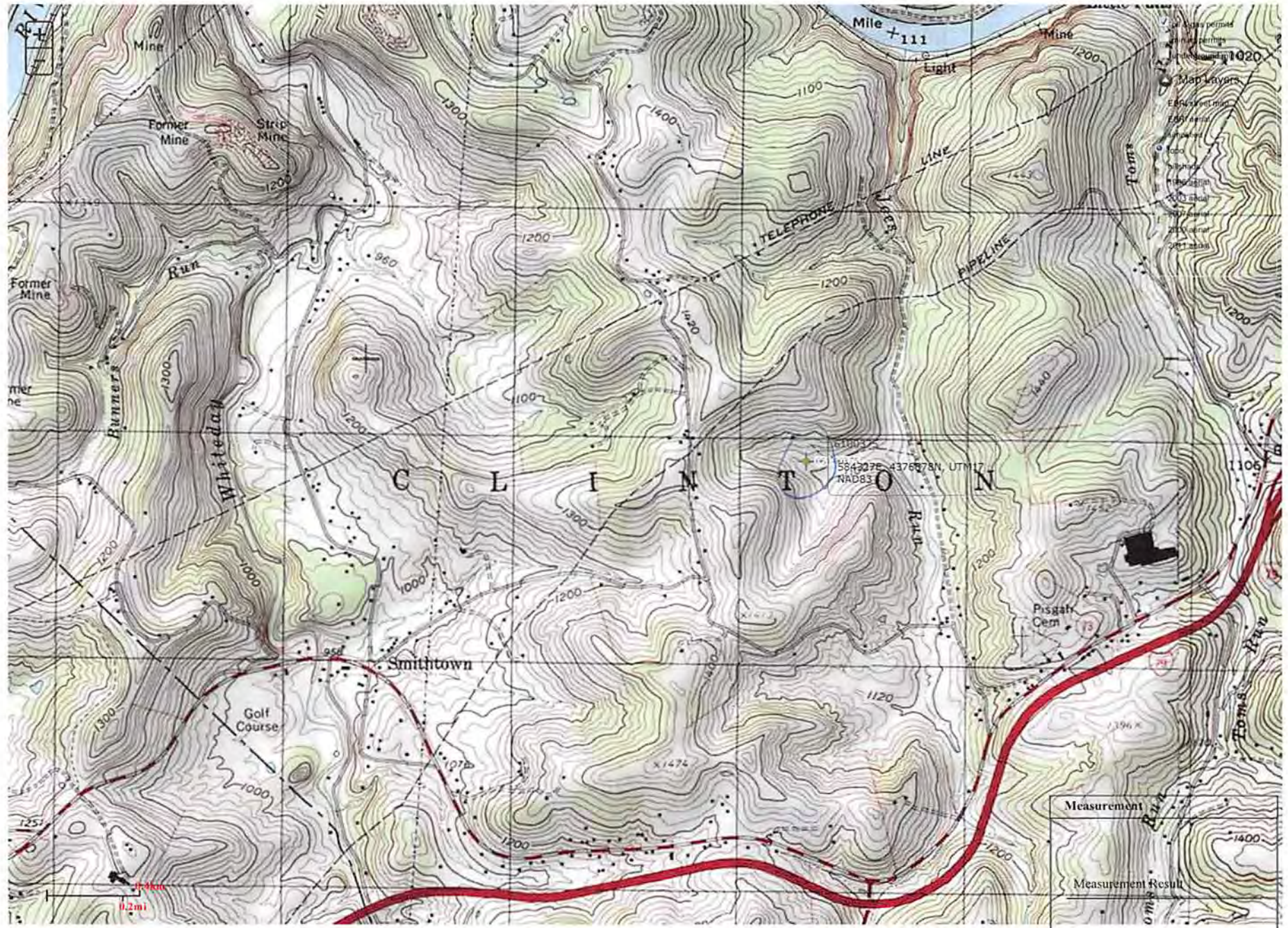
Comments: _____

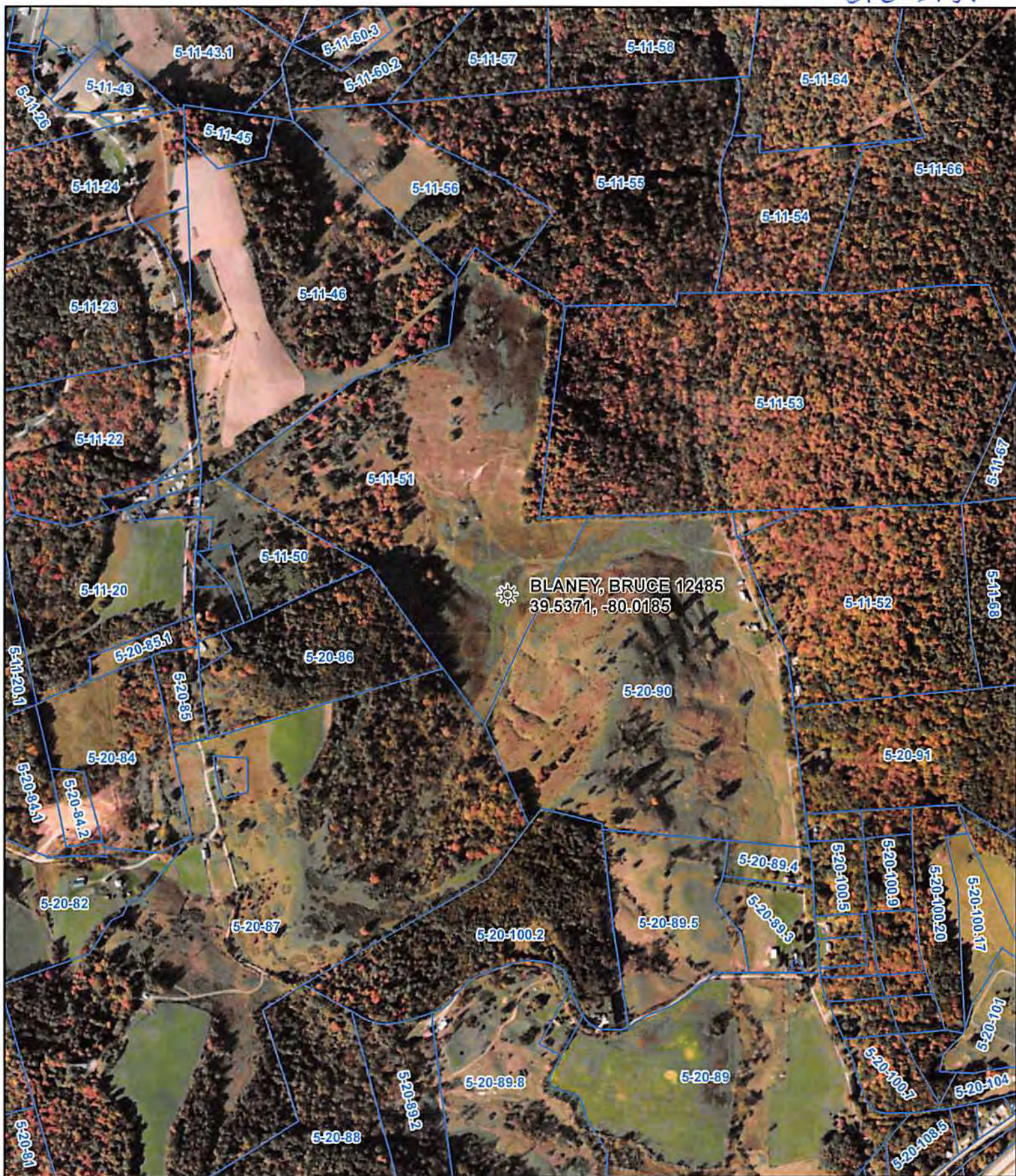
WV Department of
Environmental Protection

Title: _____ Date: _____

Field Reviewed? () Yes () No

6100375 P

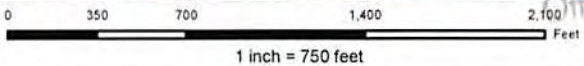




☀ BLANEY, BRUCE 12485
39.5371, -80.0185

Legend

- ☀ Wellbore
- ▭ Parcel Boundary



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.
©Copyright CNX Land Resources, Inc. 2014

Prepared By: Jason Bartley
Original Date: 5/29/2014
Revision No:
Revision Date:

CONSOL ENERGY
Canonsburg, PA

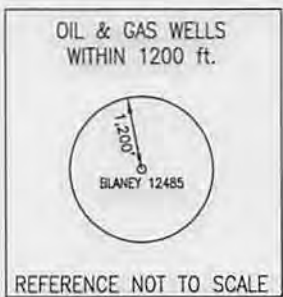
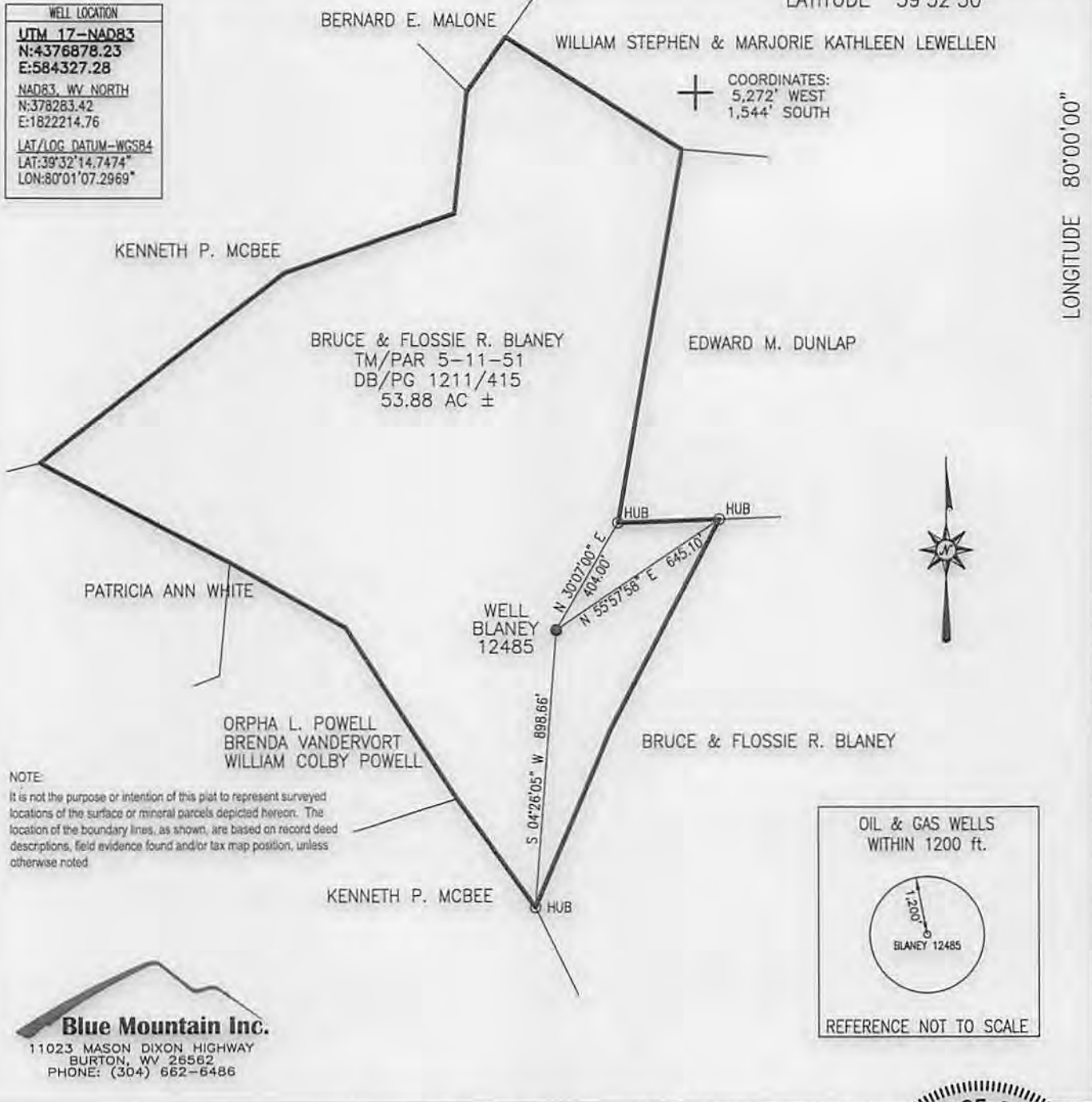
**Blaney 1
Location Map
08/22/2014**

WELL LOCATION
UTM 17-NAD83
N:4376878.23
E:584327.28
NAD83, WV NORTH
N:378283.42
E:1822214.76
LAT/LOG DATUM-WGS84
LAT:39°32'14.7474"
LON:80°01'07.2969"

LATITUDE 39°32'30"

LONGITUDE 80°00'00"

COORDINATES:
 5,272' WEST
 1,544' SOUTH



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

FILE #: BLANEY 12485
 DRAWING #: BLANEY 12485
 SCALE: 1" = 500'
 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: MAY 6, 2014
 OPERATOR'S WELL #: BLANEY 12485
 API WELL #: 47 061 00375
 STATE COUNTY PERMIT

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

WATERSHED: UPPER MONONGAHELA RIVER ELEVATION: 1099'
 COUNTY/DISTRICT: MONONGALIA / CLINTON QUADRANGLE: RIVESVILLE, WV 7.5'
 SURFACE OWNER: BRUCE & FLOSSIE R. BLANEY ACREAGE: 53.88±
 OIL & GAS ROYALTY OWNER: BRUCE & FLOSSIE R. BLANEY 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: RILEY ESTIMATED DEPTH: 4406'
 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

08/22/2014