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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 30, 2014

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-10301823, 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: W-3  
Farm Name: KOONTZ, PAUL L.  
**API Well Number: 47-10301823**  
**Permit Type: Plugging**  
Date Issued: 10/30/2014

**Promoting a healthy environment.**

**10/31/2014**

## 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

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

10301823P

WW-4B  
(Rev. 6-07)

1) Date: August 21, 2014  
2) Operator's Well Number Koontz, Paul L. #W-3  
3) API Well No.: 47 - 103 - 01823  
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 1370.79' Watershed West Virginia Fork Fish Creek  
District Clay County Wetzel Quadrangle Littleton, WV

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 Derek Haught  
Address P.O. Box 85  
Smithville, WV 26178

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.

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Environmental Protection

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

Work order approved by inspector [Signature] Date 9-3-14

10/31/2014

Paul L. Koontz CBM W-3P.N.: 47-103-01823Clay DistrictWetzel CountyLocation: Littleton Quad Lat: 1251.8' S of 39 degrees 42 min 30 sec

Long: 1252.0' W of 80 degrees 32 min 00 sec

Elevation: 1371' GLM**PROPOSED PLUG & ABANDONMENT PROCEDURES**

1. Blow the well down. Pump 50 bbl of water into the well to kill the well.
2. Allow the well to sit for 12-18 hours to allow bubbles to dissipate in water.
3. Rig up Wireline Company and run a Gamma Ray, Cement Bond, CCL log.
4. Perforate any areas where cement bond is not indicated.

Note: An attempt can be made to cut and pull casing but it appears both casing strings were cemented back to surface, and the casing cannot be removed.

5. Rig up a service rig over the well. Install a 5 1/2" JU well control head onto the 5 1/2" casing collar at surface. Connect the JU Head to a flowline directed to a portable steel pit to catch any fluids circulated from the well.
6. Run 2,050' of 2 3/8" 8rd EUE tubing in the well with the tubing equipped with a plain collar on bottom.
7. Rig up Cementing Company. Break circulation through tubing w/t fresh water. Mix and pump 136 sx (161 cubic ft) of regular Class A Portland Cement containing 2% gel and 2% CaCl<sub>2</sub>.
8. Displace the cement to 800' w/t fresh water.
9. Pull the tubing to 800'. Mix and pump 15 bbl of gel.
10. Pull the tubing to 500'. Mix and pump 35 sx (41 cubic feet) of Regular Class A Portland Cement containing 2% gel and 2% CaCl<sub>2</sub>. Pump cement till cement returns to surface.
11. Pull the remaining tubing from the well. Top off the hole with more cement due to tubing displacement.
12. Remove the casing head and JU head from the 5 1/2" casing.
13. Install a pipe monument with the API number welded on the side of the monument.

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14. Rig down the service rig, empty and dispose of fluids captured in the portable steel pits. Remove from site.
15. Grade, seed and mulch the location as required.

PLUG 1 · SET CLASS A CEMENT PLUG WITH NO MORE THAN 3%  $\text{CaCl}_2$  AND NO OTHER ADDITIVES FROM 2034' TO 800" COVERING ALL PERFORATIONS.

GEL SPACER · FIRST WATER WITH AT LEAST 6% BENTONITE AND NO OTHER ADDITIVES FROM 800' - 500'.

PLUG 2 · CLASS A CEMENT PLUG WITH NO MORE THAN 3%  $\text{CaCl}_2$  AND NO OTHER ADDITIVES FROM 500' TO SURFACE.

JMM  
10/30/14

WR-35

Date: October 24, 2001  
API#: 47-103-01823

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

*MD*

Well Operator's Report of Well Work

Farm Name: Paul L. Koontz Operator Well No.: Wetzel County CBM Well No. W-3

Location: Elevation: 1370.77' ± Quadrangle: Littleton

District: Clay County: Wetzel  
Latitude: 1251.8' Feet South of 39 Deg. 42 Min. 30 Sec.  
Longitude: 1252.0' Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Consol Energy, Inc. (North)

	Casing & Tubing	Used In Drilling	Left In Well	Cement Fill Up Cu. Ft.
Address: 1800 Washington Road	11 3/4"	30'	30'	GRTD
Pittsburgh, PA 15241	8 5/8"	867.30'	867.30'	236
Agent: Edwin L. Merrifield	5 1/2"	2082.40'	2082.40'	431
Inspector: Randal Mick				
Date Permit Issued: 5/11/01				
Date Well Work Commenced: 5/29/01				
Date Well Work Completed: 8/6/01				
Verbal Plugging: N/A				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet): 2125'				
Fresh Water Depth (ft.): N/A				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 825, 1190, 1549, 1655 and 1955				

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OPEN FLOW DATA REFER TO ATTACHMENTS B & C

Producing formation \_\_\_\_\_ 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

Second producing formation \_\_\_\_\_ 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. REFER TO ATTACHMENTS A, B & C

Signed: *Gregg Fanning*  
By: *Daryl Foreman*  
Date: 10/25/01

WET 1823

ATTACHMENT A

## Wetzel County CBM No. W-3 Drill Log

Depth	Description
0-30	Top
30-825	Sand/Shale
825-829	Coal (Waynesburg)
829-1190	Sand/Shale
1190-1195	Coal (Pittsburgh)
1195-1225	Gray Sand
1225-1255	Red Rock
1255-1455	Sand/Shale
1455-1585	Red Rock
1549-1553	Coal (Brush Creek)
1553-1655	Shale
1655-1658	Coal (Mahoning)
1658-1955	Sand/Shale
1955-1958	Coal (Middle Kittanning)
1958-2125 (TD)	Sand/Shale

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OCT 30 2001

WV Department of  
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ATTACHMENT BWetzel County CBM Well No. W-3 Completion

Permittee:	Consol Energy, Inc. (North)
API Permit No.:	47-103-01823
Company Well No.:	CBM Well No. W-3
Completion Date:	07/27/2001
Total Depth:	2125'

	Zone 1	Zone 2	Zone 3	Zone 4
Coals	Clarion and Kittanning Coals	Middle Freeport, Mahoning, Brushcreek, and Bakerstown	Pittsburgh	Sewickley
Treatment				
Nitrogen (MSCF)	380	164	231	231
Water (BBLs)	175	125	225	144
Sand (SXS 16/30)	355	263	535	200
Top Perf	1922	1566	1200	1093
Bottom Perf.	2034	1831	1206	1097
# Perfs	36	22	24	16
Perf Size	0.45	0.45	0.45	0.45
Break. Press.	2757	4153	2700	1738
Avg. Rate	26.8	21.1	21.5	17.8
ISIP	2970	1185	3245	2057
Min	5	5	5	5
Min Press.	2394	1097	2458	1664
Avg. Press.	2737	2313	2165	3199
Stimulated	Y	Y	Y	Y
Stim. Date	06/22/2001	06/22/2001	07/09/2001	07/27/2001

WET  
1823



**ATTACHMENT C****Wetzel County CBM Well No. W-3 Perforations**

Permittee: Consol Energy, Inc. (North)  
 API Permit No.: 47-103-01823  
 Company Well No.: Wetzel County CBM Well No. W-3  
 Total Coal Thickness: 22.0 ft.

	Formation	Top of Coal	Bottom of Coal	Coal Thickness	Actual Perfs
STAGE 1	Clarion			2.3	2031-2034
	Middle Kittanning			2.8	1967-1970
	Coal			0.4	1960-1961
	Upper Kittanning			1.8	1922-1924

Total Coal 7.3

STAGE 2	Lower Freeport			0.3	1829.5-1830.5
	Mahoning			1.1	1749.5-1751.5
	Brush Creek			1.1	1670-1671
	Bakerstown			1.0	1566-1567.5

Total Coal 3.5

STAGE 3	Pittsburgh			6.3	1199.5-1205.5
	Coal			1.1	

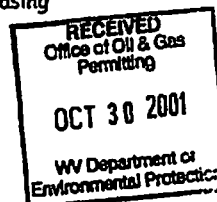
Total Coal 7.4

STAGE 4	Sewickley			3.8	1093-1097
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Total Coal 3.8

\*\* Perf with 4" guns, 4 Jet Shots per Foot, 120 degree Phasing

\*\* Isolate stages with FasDrill Frac Plugs



WW-4A  
(Rev. 6-07)

1) Date: August 26, 2014  
2) Operator's Well Number  
Koontz, Paul L. #W-3  
3) API Well No.: 47 - 103 - 01823  
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>Michael L. Koontz ET UX</u> ✓	Name _____
Address <u>P.O. Box 199</u>	Address _____
<u>Littleton, WV 26581</u>	_____
(b) Name <u>Shaun D. Kuhn</u> ✓	(b) Coal Owner(s) with Declaration
Address <u>HC 68 Box 48</u>	Name <u>CNX RCPC LLC</u> W
<u>Littleton, WV 26581</u>	Address <u>1000 Consol Energy Drive</u>
	<u>Canonsburg, PA 15317</u>
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Derek Haught</u> ✓	(c) Coal Lessee with Declaration
Address <u>P.O. Box 85</u>	Name _____
<u>Smithville, WV 26178</u>	Address _____
Telephone <u>304-206-7613</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 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**  
Notarial Seal  
Lori L. Walker, Notary Public  
Richhill Twp., Greene County  
My Commission Expires Feb. 23, 2015  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

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

Commonwealth of Pennsylvania County of Greene  
Subscribed and sworn before me this 26<sup>th</sup> day of August, 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](mailto:depprivacyofficer@wv.gov).

WW-4B

API No.	<u>47-103-01823</u>
Farm Name	<u>Koontz, Paul L.</u>
Well No.	<u>#W-3</u>

**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 \_\_\_\_\_ / 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.

*Anthony M. Drezewski*      Date 9/4/14  
Signature

CNSX RCPC LLC  
By Anthony M. Drezewski  
Its DISTRICT LAND MANAGER

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature <input checked="" type="checkbox"/> <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Address	
	B. Received by (Printed Name) Shaun Kuhn	C. Date of Delivery 9-4-14
1. Article Addressed to:  Shaun D. Kuhn HC 68 Box 48 Littleton, WV 26581	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
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		
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes		
2. Article Number (Transfer from sender) 91 7199 9991 7033 6026 7297		
PS Form 3811, July 2013 Domestic Return Receipt		

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature <input checked="" type="checkbox"/> <i>[Signature]</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Address	
	B. Received by (Printed Name) Derek M. Haight	C. Date of Delivery 8-30-14
1. Article Addressed to:  Derek Haight P.O. Box 85 Smithville, WV 26178	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
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		
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes		
2. Article Number (Transfer from service label) 91 7199 9991 7033 6026 7303		
PS Form 3811, July 2013 Domestic Return Receipt		

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature <input checked="" type="checkbox"/> <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Address	
	B. Received by (Printed Name) Michael L. Koontz	C. Date of Delivery 9-2-14
1. Article Addressed to:  Michael L. Koontz ET UX P.O. Box 199 Littleton, WV 26581	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
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		
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes		
2. Article Number (Transfer from sender) 91 7199 9991 7033 5996 0697		
PS Form 3811, July 2013 Domestic Return Receipt		

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 SEP 19 2014  
 WV Department of Environmental Protection

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 WV Fork Fish Creek of Fish Creek Quadrangle Littleton

Elevation 1370.77 County Wetzel District Clay

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 CONTAINED IN TANKS  
AND DISPOSED OF PROPERLY.*

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

*Dm4  
9-2-14*

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 L. Whetstone

Company Official (Typed Name) Erika L. Whetstone

Company Official Title Supervisor - Permitting

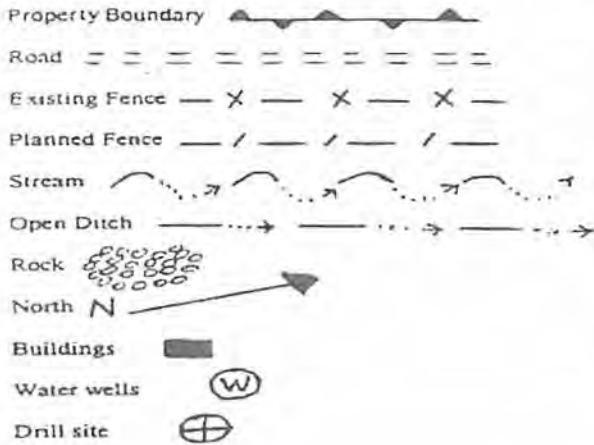
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Commonwealth of Pennsylvania  
Subscribed and sworn before me this 3<sup>rd</sup> day of September, 2014 County of Greene

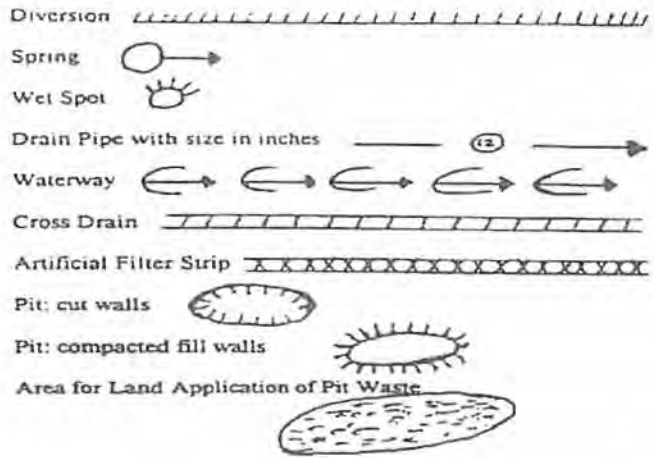
Lori L. Walker

COMMONWEALTH OF PENNSYLVANIA  
Notary 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	lbs/acre	Seed Type	Area II	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.

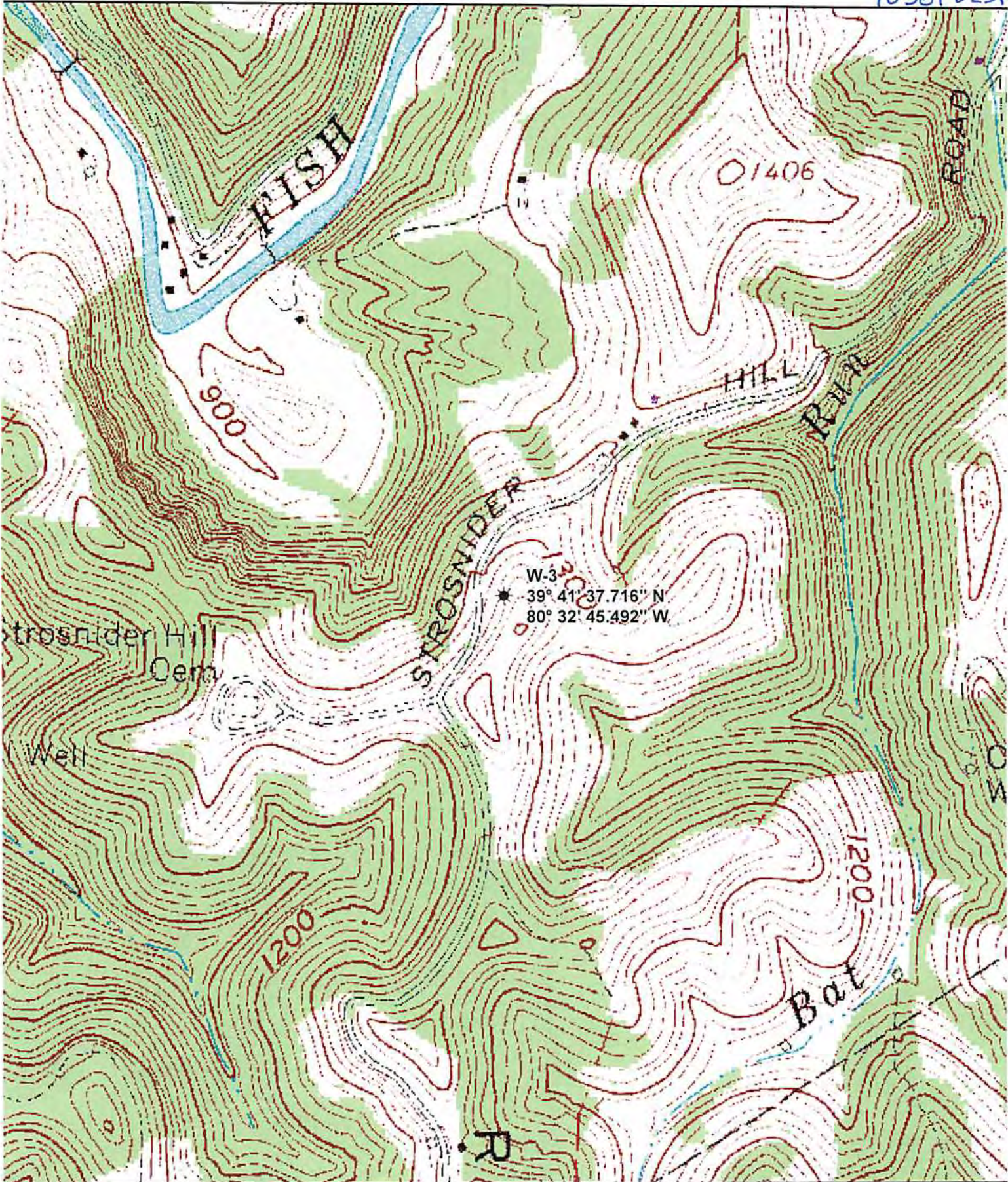
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature] RECEIVED Office of Oil and Gas




Comments: \_\_\_\_\_ SEP 09 2014

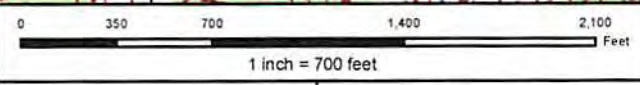
Title: Oil + Gas Inspector Date: 9-3-14 WV Department of Environmental Protection

Field Reviewed? (  ) Yes (  ) No



**Legend**

-  Wellbore
-  Parcel Boundary
-  2500' Radius from Wellbore



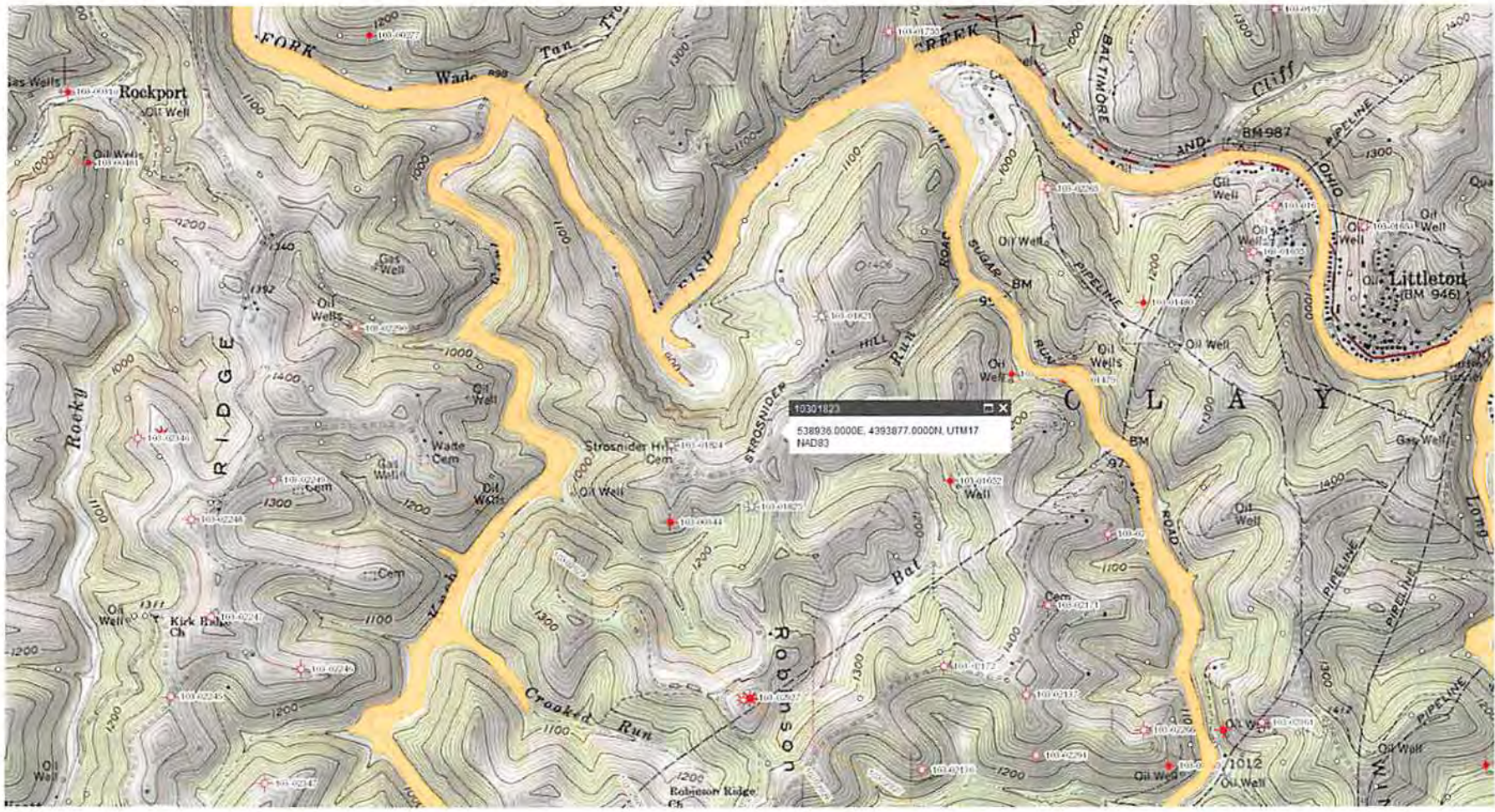
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Prepared By: Jason Bartley  
 Original Date: 10/29/2014  
 Revision No:  
 Revision Date:

**CONSOL ENERGY**  
 Canonsburg, PA

**W-3**  
**Top Map**  
**10/31/2014**

16301823 P



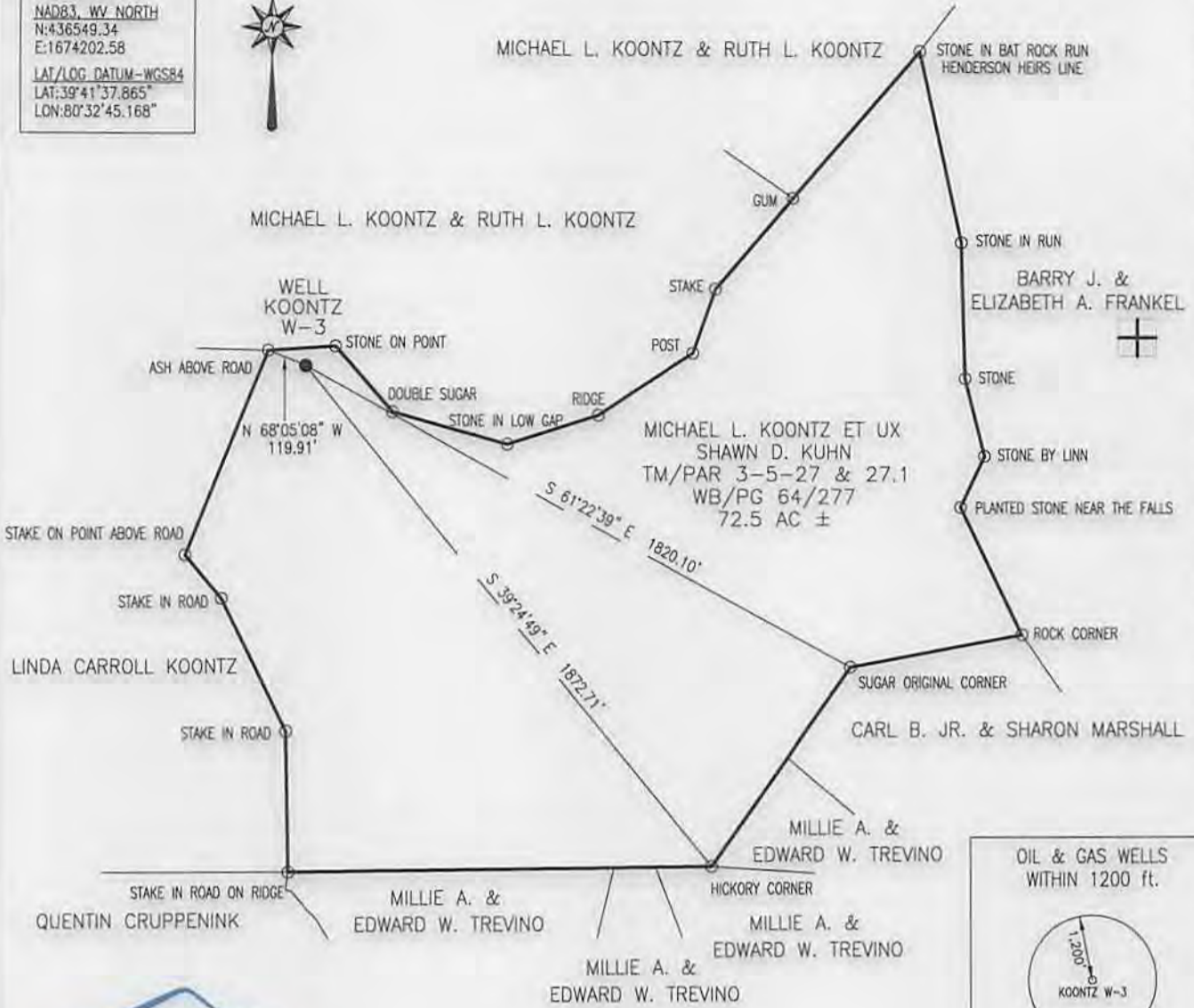


Well is located on topo map 5,275 feet south of Latitude: 39° 42' 30"

WELL LOCATION  
 UTM 17-NAD83  
 N:4393877.18  
 E:538936.17  
 NAD83, WV NORTH  
 N:436549.34  
 E:1674202.58  
 LAT/LOG DATUM-WGS84  
 LAT:39°41'37.865"  
 LON:80°32'45.168"

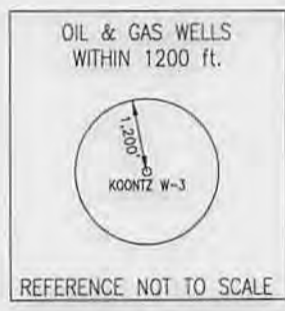


Well is located on topo map 1,186 feet west of Longitude: 80° 32' 30"



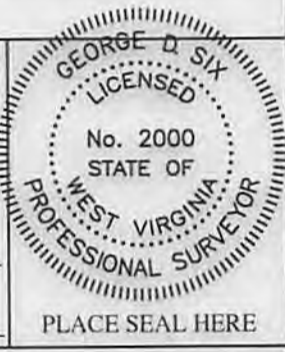
**Blue Mountain Inc.**  
 11023 MASON DIXON HIGHWAY  
 BURTON, WV 26562  
 PHONE: (304) 662-6486

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 #: KOONTZ W-3  
 DRAWING #: KOONTZ W-3  
 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: AUGUST 26, 2014  
 OPERATOR'S WELL #: KOONTZ W-3  
 API WELL #: 47 103 01823c P  
 STATE COUNTY PERMIT

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

WATERSHED: WEST VIRGINIA FORK FISH CREEK ELEVATION: 1370.79'  
 COUNTY/DISTRICT: WETZEL / CLAY QUADRANGLE: LITTLETON, WV 7.5'  
 SURFACE OWNER: MICHAEL L. KOONTZ ET UX AND SHAWN D. KUHN ACREAGE: 72.5±  
 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: MONONGAHELA, CONEMAUGH, & ALLEGHENY ESTIMATED DEPTH: 2,125'±  
 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

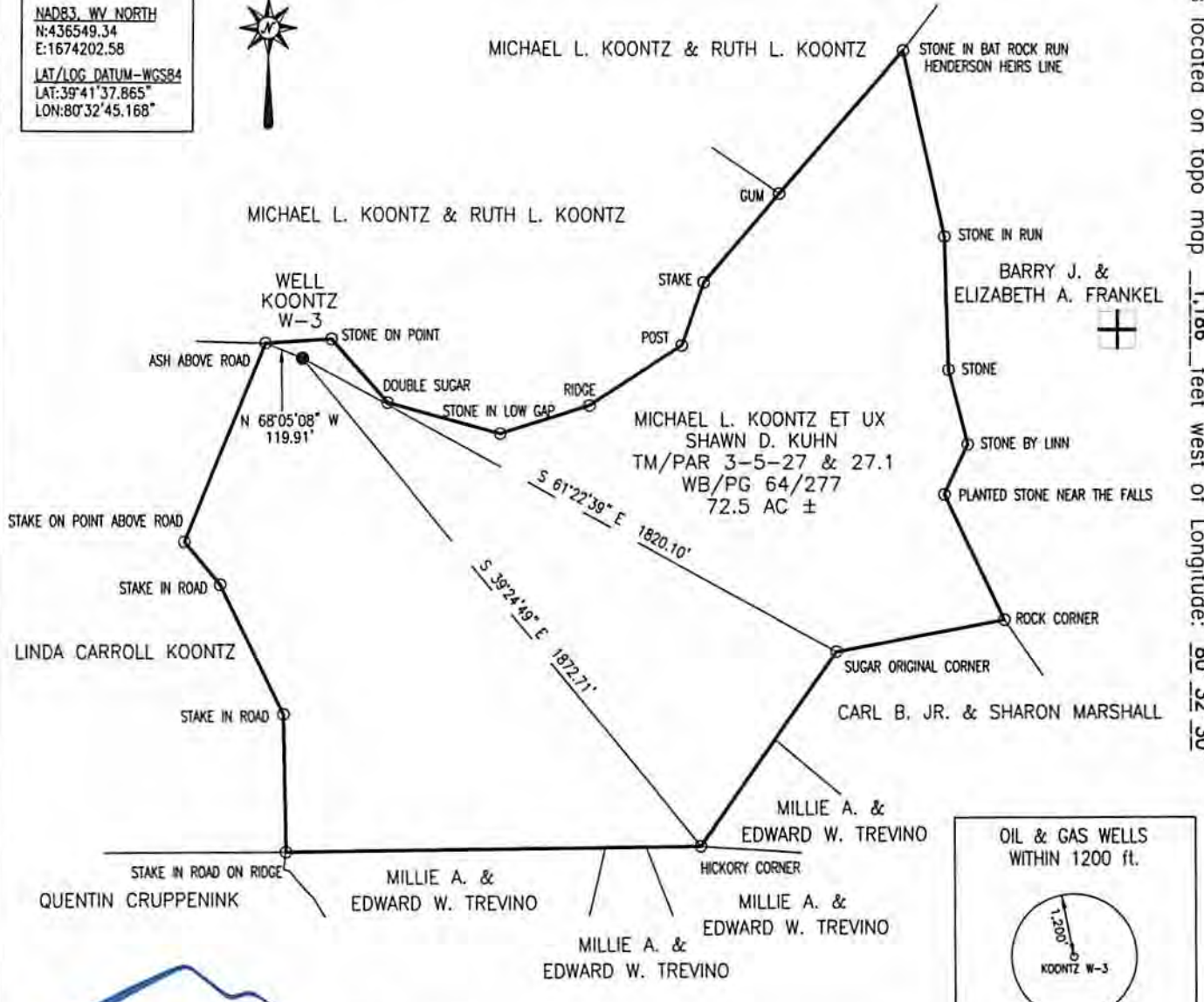
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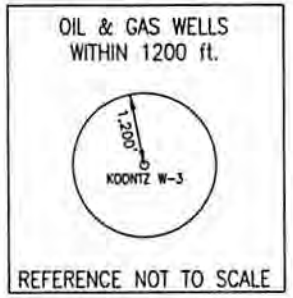
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COAL BED METHANE

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 Address 200 EVERGREENE Dr. Address 1 DOMINION DRIVE  
 City WAYNESBURG State PA Zip Code 15370 City JANE LEW State WV Zip Code 26378

RECEIVED  
 Office of Oil and Gas  
 10/31/2014  
 www.DEP.wv.gov  
 Department of Environmental Protection

10301823P



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



August 14, 2014

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 “Koontz, Paul #W-3”

Dear Sir or Madam,

Enclosed is the plugging permit application for the above referenced well. This well is one of many to be plugged this year 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](mailto:ErikaWhetstone@consolenergy.com).

Sincerely,

Erika Whetstone

10/31/2014