



**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

October 20, 2014

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-2101467, 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: SMITH - WILSON 1  
Farm Name: WINE, RICK  
**API Well Number: 47-2101467**  
**Permit Type: Plugging**  
Date Issued: 10/20/2014

**Promoting a healthy environment.**

**10/24/2014**

## 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.

2101467 P

WW-4B  
Rev. 2/01

1) Date 8/21, 2014  
2) Operator's  
Well No. 10616  
3) API Well No. 47-021 - 01407

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

APPLICATION 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 1176.42' Watershed Lonshoal Run  
District Glennville County Gilmer Quadrangle Gilmer
- 6) Well Operator CNX Gas Company LLC 7) Designated Agent Matt Imrich  
Address P.O. Box 1248 Address P.O. Box 1248  
Jane Lew, WV Jane Lew, WV
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Bryan Harris Name See Attached  
Address P.O. Box 157 Address \_\_\_\_\_  
Volga, WV 26238

10) Work Order: The work order for the manner of plugging this well is as follows:  
**See attached work order**

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

Work order approved by inspector *Duane O'Hara*

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AUG 26 2014  
Date 8/21/14  
WV Department of  
Environmental Protection

10/24/2014

**Plugging Work Order for Permit 47-021-01467****CNX Gas - Well 10616**PBTD  $\approx$  2271'

1. Verify 4-1/2" casing TD, and swab well dry.
2. Pump cement plug 2100' to TD. Displace w/ 4-1/2" wiper plug, and 6% gel to 2100'.
3. Wait on cement before cutting 4-1/2".
4. Free point and cut 4-1/2" at TOC (est. ~1800'). Pull up 2 feet.
5. Pump cement plug from cut @ ~1800' to surface using 4-1/2" csg., in 3ea. ~600' lifts.
6. TOH with 4-1/2" casing, and top off cement to surface.
7. Install 6" x 14' monument (10' below grade) API 47-021-01467

Work Order approved by Inspector *Gregory D. Harris* Date: 8-12-14

Note: All cement will be Class A. All spacers between plugs will be 6% gel.

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2101467P

Attachment – Form WW-4B:

**Potential Plugging Contractors:**

Yost Drilling  
313 Steel Hill Rd.  
Mount Morris, PA 15349

Viking Well Service  
8113 Sissonville Drive  
Sissonville, WV 25320

Coastal Drilling  
130 Meadow Ridge Rd, STE 24  
Mount Morris, PA 15349

Waco  
P.O. Box 397  
Glenville, WV 26351

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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle \_\_\_\_\_

WELL RECORD

Permit No. **011-1467**

Oil or Gas Well **Gas**  
(KIND)

Company **Allegheny Land & Mineral Co.**  
Address **Clarksburg, W.Va.**  
Farm **J.R. Smith** Acres **1060**  
Location (waters) \_\_\_\_\_  
Well No. **A-198** Elev. **1090**  
District **Olenville** County **Gilmer**  
The surface of tract is owned in fee by **J. Montgomery**  
Address **Gilmer Station, W.Va.**  
Mineral rights are owned by **J.R. Smith Heirs**  
Address \_\_\_\_\_  
Drilling commenced **Oct. 13, 1962**  
Drilling completed **Dec. 2, 1962**  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in **Show only** Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume **Show only** Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil **Show only** bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	<b>15'</b>	<b>15'</b>	
13			
10			Size of
8 1/4	<b>1142'</b>		
6 5/8			Depth set
5 3/16	<b>2271'</b>	<b>2271'</b>	
3			Perf. top <b>2210</b>
2			Perf. bottom <b>2214</b>
Liners Used			Perf. top <b>2229</b>
			Perf. bottom <b>2233</b>

CASING CEMENTED **4 1/2" SIZE 401** No. Ft. **1-8-63** Date  
**100 Cement, 2 Aquagel**

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

WELL FRACTURED **January 17, 1963 By Dowell- Water, sand, acid.**

RESULT AFTER TREATMENT **49/10 Merc. 2" 1,089 M**  
ROCK PRESSURE AFTER TREATMENT **650/ 16 Hr.**  
Fresh Water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
red Rock			0	40	<b>4 1/2" casing perforated:</b> <b>2210 to 2214 - 16 holes</b> <b>2229 to 2233 - 8 "</b>		
red			40	65			
late			65	70			
red Rock			70	115			
red			115	130			
late			130	198			
red			198	233			
late			233	246			
red			246	257			
late			257	310			
red			310	390			
red Rock			390	415			
late			415	425			
red Rock			425	455			
late			455	480			
red Rock			480	555			
late			555	595			
red Rock			595	625			
late			625	665			
red			665	690			
late			690	780			
pink Rock			780	786			
lime			786	805			
late			805	850			
red			850	910			
late			910	1060			
red			1060	1134			
late			1134	1145			
red			1145	1175			
late			1175	1192			

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Formation	Color	Hard or Soft	Top	Bottom	Oil or Water	Depth Found	Remarks
Sand			1192	1240			
Slate			1240	1255			
Lime			1255	1275			
Sand			1275	1290			
Slate & shells			1290	1350			
Sand			1340	1400			
Slate			1400	1528			
Lime			1528	1548			
Sand			1548	1732	Gas	1630-1640	Show
Lime			1732	1740			
Sand			1740	1793			
Black slate			1793	1815			
Lime			1815	1835			
Slate			1835	1837			
Gritty Lime			1837	1867			
Slate			1867	1885			
Red Rock			1885	1890			
Slate			1890	1910			
Red Rock			1910	1925			
Lime			1925	1940			
Slate			1940	1962			
Lime			1962	1990			
Slate			1990	1995			
Sand			1995	2021			
Slate			2021	2024			
Big Lime			2024	2125			
Keener			2125	2152	Oil & Gas	2140	Show
Injun			2152	2210	Gas	2205	Show
Squaw			2210	2290			
Slate & shells			2290	2480			
Sand			2480	2498			
Slate & shells			2498	2574			
Sand			2574	2582			
Slate & shells			2582	2614			
Sand			2614	2624			
Slate			2624	2694			
Total depth				2694			
Filled back to				2271			

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Date February 6, 1963.

APPROVED Allegheny Land & Mineral Co., Owner  
By Claron Dawson, Mahone, W.Va.  
(Title)





WW-4A  
Revised 6-07

1) Date: 8/21/14  
2) Operator's Well Number  
10616

3) API Well No.: 47 - 021 - 01467

**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:	5) (a) Coal Operator
(a) Name <u>Rickle R. &amp; Betty Jean Wine</u> ✓	Name <u>None of Declaration</u>
Address <u>463 Long Shoal Road</u>	Address _____
<u>Burnsville, WV 26335</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attached</u>
_____	Address _____
_____	_____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Bryan Harris</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 157</u>	Name <u>None of Declaration</u>
<u>Volga, WV 26238</u>	Address _____
Telephone <u>304-533-6087</u>	_____

**TO THE PERSONS 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 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 reverses 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 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 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.

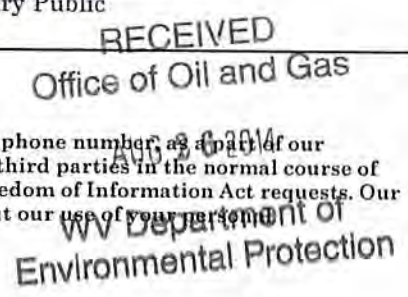


Well Operator CNX Gas Company LLC Kelly Eddy  
 By: Matt Imrich  
 Title: Designated Agent - District Operations Superintendent, WV Gas Operations  
 Address: P.O. Box 1248  
Jane Lew, WV 26378  
 Telephone: 304-884-2009 - Amanda Wright, Permitting Supervisor

Subscribed and sworn before me this 21<sup>st</sup> day of AUGUST 2014  
Carolinda Flanagan Notary Public  
 My Commission Expires 9/15/2021

**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 information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).





## Attachment WW-4A

Well Number - 10616

**Surface Owner(s):**

Rickie R & Betty Jean Wine  
463 Long Shoal Road ✓  
Burnsville, WV 26335

**Coal Owner(s):**

Ercelyn S Brown Estate  
% Ronald Lee Brown ✓  
P O Box 87  
Burnsville, WV 26335

WV Minerals Inc ✓  
P O Box 5044  
Fairmont, WV 26555

Edgar W Smith, Jr & Hoton P Smith ✓  
4046 W 132<sup>nd</sup> Street Apt 225  
Hawthorne, CA 90250

Broome Ed Inc ✓  
6394 US Hwy 33 E  
Glenville, WV 26351

Letcher or Ada Wiant ✓  
Box 181  
Burnsville, WV 26335

Paul Cornell ✓  
% Paul Cornell Attorney  
P O Box 331  
Washington Depo, CT 06794

Frances H Kennedy trust for Patricia ✓  
% Industry Cons Group  
P O Box 659  
Wichita Falls, TX 76301

Frances H Kennedy trust for Cleo ✓  
% Industry Cons Group  
P O Box 659  
Wichita Falls, TX 76301

Agnes Cook ✓  
116 West Lane Revonah Woods  
Stamford, CT 06905

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2101467P  
1

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Sent To  
**Rickie R & Betty Jean Wine**  
 463 Long Shoal Road  
 Burnsville, WV 26335  
 P&A DTI-10616  
 Surface Owner

PS Form 3800, August 2006 See Reverse for Instructions

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 % Ronald Lee Brown  
 P O Box 87  
 Burnsville, WV 26335  
 P&A DTI-10616  
 Coal Owner

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 P O Box 5044  
 Fairmont, WV 26555  
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 Coal Owner

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**Edgar W Smith, Jr & Hoton P Smith**  
 4046 W 132nd Street Apt 225  
 Hawthorne, CA 90250  
 P&A DTI-10616  
 Coal Owner

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**Broome Ed Inc**  
 6394 US Hwy 33 E  
 Glenville, WV 26351  
 P&A DTI-10616  
 Coal Owner

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**Letcher or Ada Wainwright**  
 Box 181  
 Burnsville, WV 26335  
 P&A DTI-10616  
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 % Paul Cornell Attorney  
 P O Box 331  
 Washington Depo, CT 06794  
 P&A DTI-10616  
 Coal Owner

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Sent To: **Frances H Kennedy trust for Patricia**  
 % Industry Cons Group  
 P O Box 659  
 Wichita Falls, TX 76301  
 P&A DTI-10616  
 Coal Owner

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 % Industry Cons Group  
 P O Box 659  
 Wichita Falls, TX 76301  
 P&A DTI-10616  
 Coal Owner

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Sent To: **Agnes Cook**  
 116 West Lane Revonah Woods  
 Stamford, CT 06905  
 P&A DTI-10616  
 Coal Owner

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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 Longshoal Run Quadrangle Gilmer

Elevation 1176.42' County Gilmer District Glenville

Description of anticipated Pit Waste: Fluids associated with the plugging of existing gas wells

Will a synthetic liner be used in the pit? N/A

*NO PIT ∴ ANY WELL EFFLUENTS MUST BE CONTAINED IN TANKS & 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 Waste Management or Ryan Environmental use vacuum trucks, and properly disposes fluid and waste returns)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain \_\_\_\_\_)
- Swabbing
- Plugging

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 Kelly Eddy

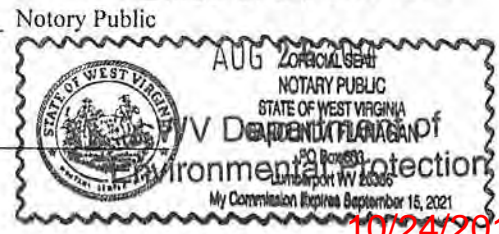
Company Official (Typed Name) Matt Imrich

Company Official Title Designated Agent - District Operations Superintendent, WV Gas Operations

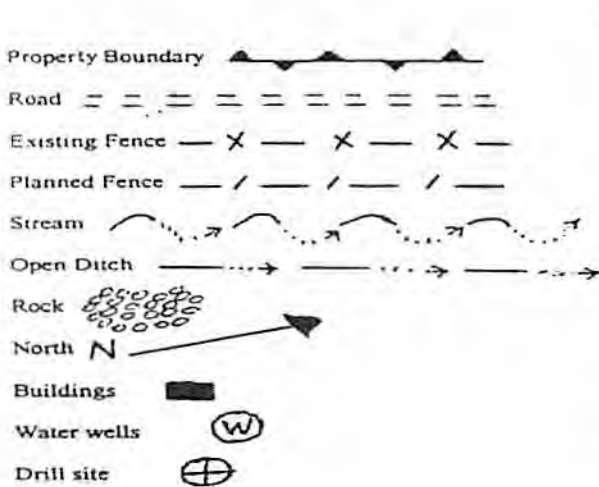
Subscribed and sworn before me this 21<sup>ST</sup> day of AUGUST, 2014

Caroline [Signature]  
My commission expires 9/15/2021

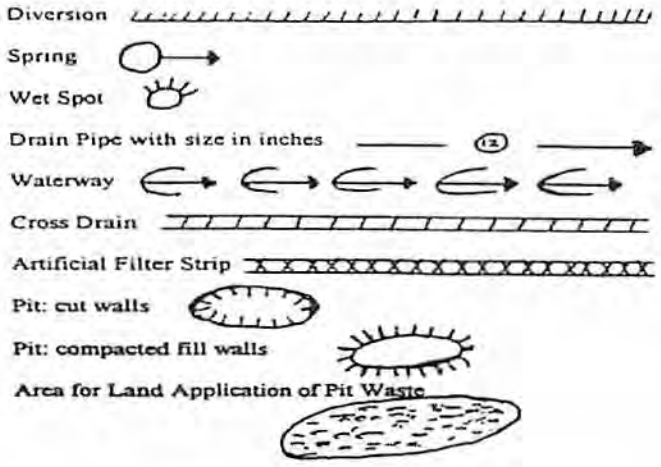
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LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1.75 acres Prevegetation pH 6.5  
 Lime according to pH test Tons/acre or to correct to pH 7.0  
 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
Orchard Grass	25	Orchard Grass	25
Birdsfoot Trefoil	15	Birdsfoot Trefoil	15
Ladino Clover	10	Ladino Clover	10

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

Photocopied section of involved 7.5' topographic sheet.

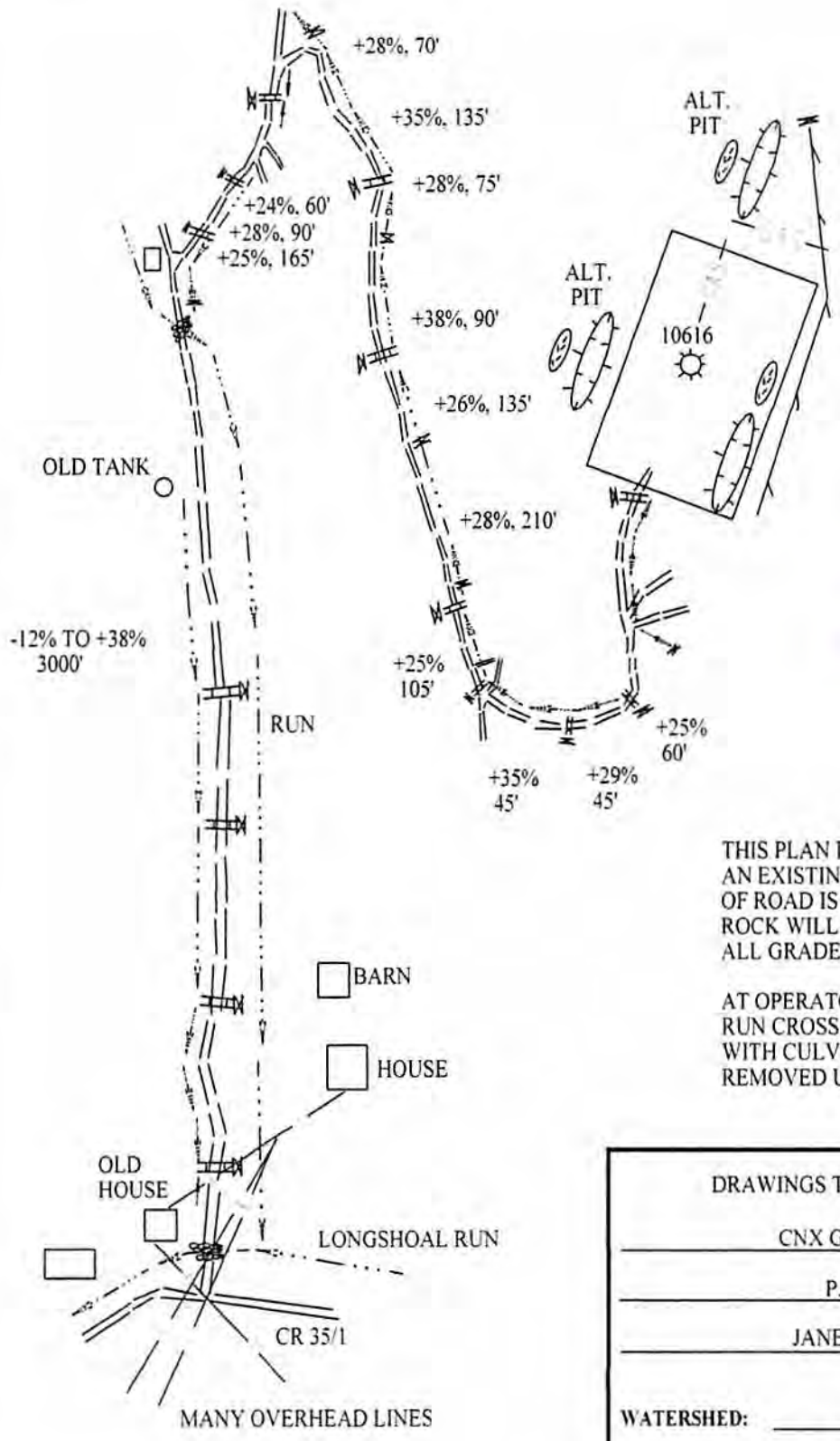
Plan Approved by: Diana O'Hara  
 Comments: \_\_\_\_\_

Title: Inspector Date: 8-12-14  
 Field Reviewed? ( ) Yes ( X ) No

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 Office of Oil and Gas  
 AUG 26 2014

WV Department of  
 Environmental Protection  
 10/24/2014





B.O.H.  
8-12-14

THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ROAD IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY. ALL GRADES OVER 20% ARE NOTED.

AT OPERATORS DISCRETION, ROCKED RUN CROSSINGS CAN BE UPGRADED WITH CULVERTS WHICH WILL BE REMOVED UPON COMPLETION OF WORK.

DRAWINGS TO ACCOMPANY FORM WW-9

CNX GAS COMPANY LLC

P. O. BOX 1248

JANE LEW, WV 26378

WATERSHED: LONGSHOAL and Gas

DISTRICT: GLENVILLE COUNTY: 2016-8-6 2014 GILMER

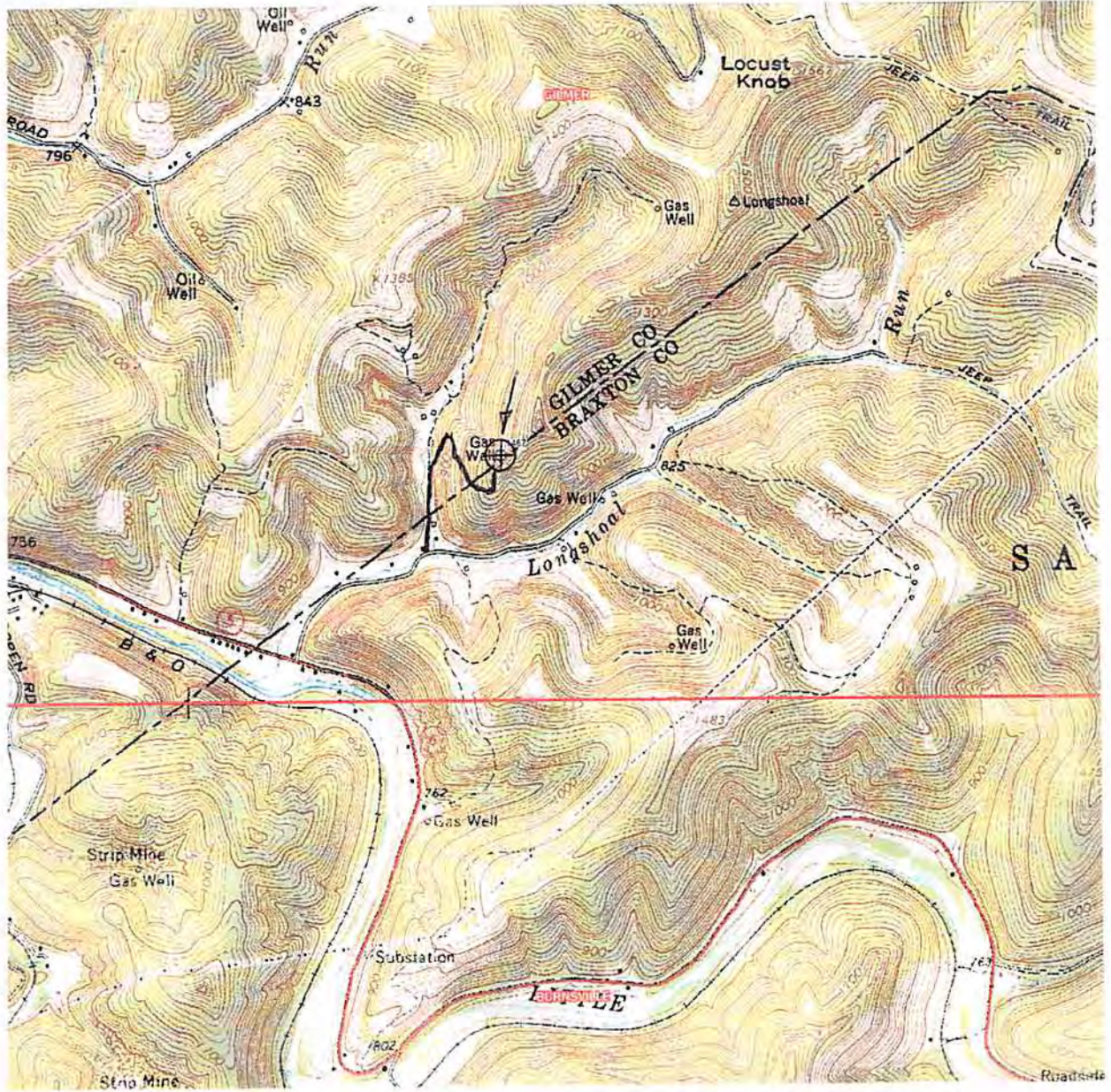
QUADRANGLE: GILMER WV Department of Environmental Protection

DATE: 08/06/14 PAGE 1 of 1

LAND SURVEYING SERVICES  
21 CEDAR LANE  
BRIDGEPORT, WV 26330  
PHONE: 304-842-2018 OR 5762



2101467P



R.O.H.  
8-12-14

DRAWINGS TO ACCOMPANY FORM WW-9

CNX GAS COMPANY LLC

RECEIVED  
Office of Oil and Gas

JANE LEW, WV 26378

AUG 26 2014

WATERSHED: LONGSHOAL RUN Department of  
WV Department of  
Environmental Protection  
DISTRICT: GLENVILLE COUNTY: GILMER

QUADRANGLE: GILMER WELL NO.: 10616

DATE: 08/06/14 PAGE      of     

LAND SURVEYING SERVICES  
21 CEDAR LANE  
BRIDGEPORT, WV 26330  
PHONE: 304-842-2018 OR 5762

10/24/2014





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

API: 47-021-01467 WELL NO.: 10616

FARM NAME: J. R. SMITH

RESPONSIBLE PARTY NAME: CNX GAS COMPANY LLC

COUNTY: GILMER 21 DISTRICT: GLENVILLE 3

QUADRANGLE: GILMER 7.5 MIN. 305

SURFACE OWNER: RICKIE R. WINE

ROYALTY OWNER: \_\_\_\_\_

UTM GPS NORTHING: 4,303,843.81 METERS

UTM GPS EASTING: 526,464.98 METERS GPS ELEVATION: 358.58 METERS (1176')

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit 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 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 \_\_\_\_\_; Post Processed Differential \_\_\_\_\_ Real-Time Differential \_\_\_\_\_  
Mapping Grade GPS X; Post Processed Differential \_\_\_\_\_ Real-Time Differential X

I the undersigned hereby state this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulation issued and prescribed by the Office of Oil and Gas.

Signature   
Stephen D. Losh, PS #674

Title WV Professional Surveyor #674

Date 08/06/14



CNX USE: NAD 27 WV NORTH SPC: 10616 = 141,747.36' 1,659,792.16' ELEV. = 1176.42'

10/24/2014

2101467A

## LAND SURVEYING SERVICES

Stephen D. Losh, PS J. Michael Evans, PS 21 Cedar Lane Bridgeport, WV 26330  
Phone & Fax (304) 842-2018 or 842-5762 [sdlosh@frontier.com](mailto:sdlosh@frontier.com)

August 06, 2014

### DRIVING DIRECTIONS FOR 10616

Traveling from Burnsville towards Glenville on State Route 5, just before the Gilmer County line turn right on County Route 35/1 (Longshoal Run Rd.). Go 0.40 of a mile and turn left on the well road.

Nearest Fire Station: Sand Fork

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WV Department of  
Environmental Protection

10/24/2014





Carolinda Flanagan  
Permitting Analyst  
P.O. Box 1248  
Jane Lew, WV 26378  
(304) 884-2131



August 22, 2014

West Virginia Department of Environmental Protection  
Office of Oil & Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304-2345

**RE: Well to be Plug and Abandoned: 10616**

To Whom it May Concern,

Enclosed, please find the following plugging permit for your review and consideration:

- 10616 – API #47-021-01467

Should you need any further information, please contact me at (304) 884-2057 or by email at [carolindaflanagan@consolenergy.com](mailto:carolindaflanagan@consolenergy.com). Thank you!

Sincerely,

A handwritten signature in blue ink, appearing to read 'Carolinda Flanagan', written over a printed name.

Carolinda Flanagan

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Office of Oil and Gas  
AUG 26 2014  
WV Department of  
Environmental Protection