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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Jim Justice , Governor  
Austin Caperton , Cabinet Secretary  
www.dep.wv.gov

Monday, August 07, 2017  
WELL WORK PERMIT  
Coal Bed Methane Well / Plugging

CNX GAS COMPANY LLC  
POST OFFICE BOX 1248

JANE LEW, WV 263786506

Re: Permit approval for L-67  
47-061-01470-00-00

This well work permit 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 any additional specific 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin  
Chief

Operator's Well Number: L-67  
Farm Name: GREIG, TIMOTHY, ETAL  
U.S. WELL NUMBER: 47-061-01470-00-00  
Coal Bed Methane Well / Plugging  
Date Issued: 8/7/2017

Promoting a healthy environment.

08/11/2017

## 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.

1) Date \_\_\_\_\_, 20 17  
2) Operator's  
Well No. L67  
3) API Well No. 47-061 - 01470

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 \_\_\_\_/ Shallowx

5) Location: Elevation 1506.70 Watershed Miracle Run  
District Battelle County Monongalia Quadrangle Mannington

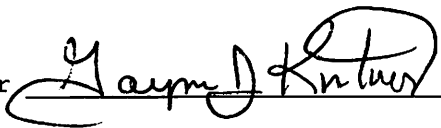
6) Well Operator CNX Gas Company, LLC 7) Designated Agent Christopher Turner  
Address 1000 Consol Energy Drive Address P.O. Box 1248  
Canonsburg, PA 15317 Jane Lew, WV 26378

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Gayne J Knitowski Name Coastal Drilling East LLC  
Address P.O. Box 108 Address 70 Gums Springs Road  
Gormanian WV 26720 Morgantown, WV 26508

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

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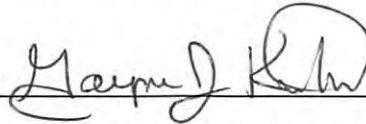
Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector  Date 7/6/2017

**Plugging Work Order for Greig L-67****API Number 47-061-01470****Elevation** 1506'  
TD 1284'**Original Permit Issued- 3/03/2003**

1. Verify TD and casing volume (~1275')
2. Set CIBP at lowest attainable depth (Stay above slotted liner if present)
3. ~~Grout from surface (~250sk)~~
4. Install 6" x 14' monument (10' below grade, 4' above grade) API 47-061-01470
5. Reclaim site ASAP

Work Order approved by Inspector



Date:

7/6/2017

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

3. TIH WITH WORK STRING OF TUBING AND PUMP CLASS A CEMENT WITH NO MORE THAN 3% CaCl<sub>2</sub> FROM TOP OF BRIDGE PLUG TO SURFACE.

JMM

★ REMOVE ALL FREE CASING.

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6101470CP

WR-35

DATE: September 2, 2004  
API#: 47-6101470

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

Well Operator's Report of Well Work

Farm Name: Greig, Timothy, Etal Operator Well No.: L-67

LOCATION: Elevation: 1546 Quadrangle: Mannington

District: Battelle County: Monongalia  
Latitude: 4530.0 Feet South of 39 Deg. 37 Min. 30 Sec.  
Longitude: 10026.66 Feet West of 80 Deg. 17 Min. 30 Sec.

Company: CNX Gas Company LLC (North)

	Casing & Tubing	Used In Drilling	Left In Well	Cement Fill Up Cu. Ft.
Address: 1800 Washington Road Pittsburgh, PA 15241				
Agent: Edwin Merrifield				
Inspector: Steve Mossor				
Date Permit Issued: 3/03/2003				
Date Well Work Commenced: Existing Borehole				
Date Well Work Completed: Converted to well				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet): 1284				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 1275				

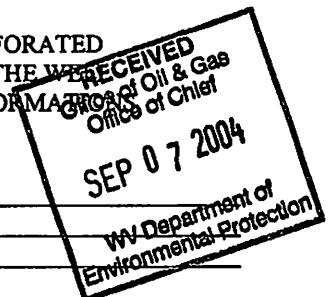
OPEN FLOW DATA

Producing formation Pittsburgh Coal Seam Pay zone depth (ft) 1275  
Gas: Initial open flow 60 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 60 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 0 Hours  
Static rock pressure 1 psig (surface pressure) after - Hours

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

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

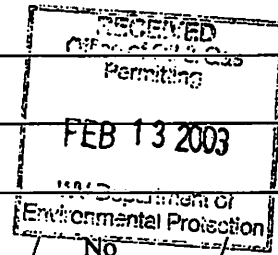
Signed: Joseph P. Aman  
By: Joseph P. Aman  
Date: September 2, 2004



08/11/2017

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
COALBED METHANE PERMIT APPLICATION 1 457

- 1) Well Operator: CNX Gas Company, LLC (North) 2) Well Name St. Leo Gob Well No. L-67
3) Operator's Well Number L-67 4) Elevation 1546'
5) Well Type: (a) Oil / or Gas / (b) If Gas: Production X / Underground Storage / CBM / Deep / Shallow X /
6) Proposed Target Formation(s): Pittsburgh Coal Seam Mine Methane
7) Proposed Total Depth: 1,284 feet
8) Approximate Fresh Water Strata Depths: Not known
9) Approximate Salt Water Depths: Not known
10) Approximate Coal Seam Depths: Pittsburgh @ 1,275'
11) Does Land Contain Coal Seams Tributary to Active Mines? Yes X / No
12) (a) Proposed Well Work: Convert an existing ventilation borehole (Well No. L-67) to a producing CBM gob well. (b) If Stimulation Proposed, Describe Means to be Used to Stimulate Well: N/A
13) (a) Does the proposed operation plan to convert an existing well (as defined in W. Va. Code § 22-6-1) or a vertical ventilation hole to a coalbed methane well? Yes X / No (b) If yes, please attach to this Application a list of all formations from which production is anticipated and a description of any plans to plug any portion of the well. Pittsburgh Coal Only Via Existing Casing.
14) (a) Will the proposed coalbed methane well be completed in some but not all coal seams for production (except for a gob well or vent hole proposed to be converted to a well)? Yes / No / N/A (b) If yes, please attach to this Application a plan and design for the well which will protect all workable coal seams which will be penetrated by the well.
15) (a) Does the proposed operation include horizontal drilling of a well commenced on the surface? Yes / No X (b) If yes, please attach to this Application a description of such operations, including both the vertical and horizontal alignment and extent of the well from the surface to total depth.



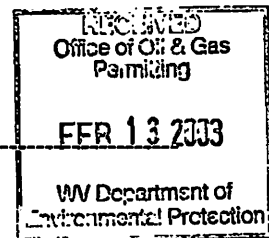


**CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For Drilling		Left in Well
Conductor						
Fresh Water						
Coal						
Intermediate						
Production						
Tubing						
Liners						

PACKERS:

**PLEASE SEE ATTACHED WELL REPORT**



**For Office of Oil and Gas Use Only**

Fee(s) paid: \$250.  
 Well Work Permit     Reclamation Fund     WPCP  
 Plat     WW-9     WW-5B     Bond \_\_\_\_\_     Agent  
 CK# 354259154 (Type)

CONSOLIDATION COAL COMPANY  
1800 WASHINGTON ROAD  
PITTSBURGH PA

WELL NUMBER L-67

MINE Loveridge

DATE STARTED November 1987

DATE COMPLETED November 1987

CONTRACTOR Unknown

TOTAL DEPTH OF HOLE 1,284 (APPROX)  
[In Feet]

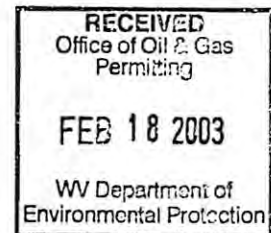
CASING IN HOLE: SLOTTED 300  
[In Feet]

5-1/4-INCH 1,275

7-INCH None

PACKER SIZE 3' 6"

CEMENT 290 [SKS]



OK S.M.  
2-18-03



COALBED METHANE WELL WORK  
PERMIT APPLICATION NOTICE BY PUBLICATION

Notice is hereby given:

Pursuant to West Virginia Code 22-21-9, notice is hereby given that the undersigned well operator-applicant proposes to file a Notice of an Application for a Coalbed Methane Well Permit, a plat or map showing the well location, and (unless the application is to plug a well) a Construction and Reclamation Plan with the Chief of the Office of Oil and Gas of the West Virginia Department of Environmental Protection, with respect to two (2) wells on the surfaces of tracts of land described below:

Name:	<u>Timothy Greig, et al</u>	<u>Timothy Greig, et al</u>
Well:	<u>L-67</u>	<u>L-70</u>
Acres:	<u>60.25</u>	<u>60.25</u>
Watershed:	<u>Right Branch of Miracle Run</u>	<u>Right Branch of Miracle Run</u>
District:	<u>Battelle</u>	<u>Battelle</u>
County:	<u>Monongalia</u>	<u>Monongalia</u>
Access:	<u>Route 9</u>	<u>Route 9</u>

The well work for which permits are sought is generally described as follows:

**Convert existing ventilation boreholes (2 Wells Listed Above, L-67 & L-70) to producing CBM gob wells.**

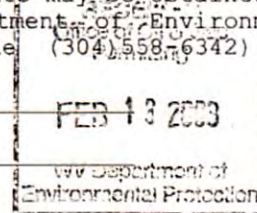
This publication may be the only notice that surface, gas, coal; and coalbed methane owners of record will receive.

Pursuant to West Virginia Code 22-21-10, (1) The owners of record of the surface of the tract on which the coalbed methane well is to be located; (2) The owners of record of the surface of any tract which is to be utilized for roads or other land disturbance; (3) Each coal owner and each coal operator (i) from whom a consent and agreement provided for in 22-21-7 is required, or (ii) whose coal seam will be penetrated by the proposed coalbed methane well or is within seven hundred fifty feet of any portion of the well bore; and (4) Each owner and lessee of record and each operator of natural gas surrounding the well bore and existing in formations above the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whichever is shallower. may file comments with the chief as to the location or construction of the applicant's proposed well within fifteen days after the application is filed with the chief.

Pursuant to West Virginia Code 22-21-11 the owner or operator of any coal seam whose interests may be adversely affected by a coalbed methane well may, within fifteen days after the applications are filed with the chief, file objections in writing to such proposed drilling with the chief, setting out the grounds on which such objections are based.

Copies of the Notice and Application and accompanying documents may be obtained from the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, 1356 Hansford Street, Charleston, WV 26101 (Telephone (304) 558-6342).

WELL OPERATOR-APPLICANT CNX Gas Company, LLC (North)  
ADDRESS 1800 Washington Road, Pittsburgh, PA 15241  
TELEPHONE (412) 831-4566





6101470CP

WW-4A  
Revised 6-07

1) Date: \_\_\_\_\_  
2) Operator's Well Number  
L67 \_\_\_\_\_

3) API Well No.: 47 - 061 - 01470

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

<b>4) Surface Owner(s) to be served:</b>	<b>5) (a) Coal Operator</b>
(a) Name <u>DOGWOOD VALLEY LLC</u>	Name <u>See Attached.</u>
Address <u>16989 AIRPORT RD</u>	Address _____
<u>LINESVILLE PA 16424-7617</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attached.</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
<b>6) Inspector</b> <u>Gayne J Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 108</u>	Name <u>N/A</u>
<u>Gormanian WV 26720</u>	Address _____
Telephone <u>304-546-8171</u>	_____

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**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  
 By: Erika Whetstone *Erika Whetstone*  
 Its: Permitting Supervisor  
 Address 1000 Consol Energy Drive  
Canonsburg, PA 15370  
 Telephone (724) 485-4035

Subscribed and sworn before me this 9th day of June 2017  
*Lori L. Walker*  
 My Commission Expires February 23, 2019  
 Notary Public

COMMONWEALTH OF PENNSYLVANIA  
 NOTARIAL SEAL  
 Lori L. Walker, Notary Public  
 Richhill Twp., Greene County  
 My Commission Expires Feb. 23, 2019  
 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

**Oil and Gas Privacy Notice**

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyoffier@wv.gov](mailto:depprivacyoffier@wv.gov).

08/11/2017

6101470.CP

**WW-4A Attachment**

**Greig L-67 API# 47-061-01470**

**Coal Owner(s):**

Consolidation Coal Company  
1000 CONSOL Energy Drive  
Canonsburg, PA 15317

Dogwood Valley, LLC  
16989 Airport Rd  
Linesville, PA 16424-7617

**Coal Operator:**

The Marion County Coal Company  
46226 National Rd W  
St. Clairsville, OH 43950

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08/11/2017

WW-9  
(5/16)

API Number 47 - 061 - 01470  
Operator's Well No. \_\_\_\_\_

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name CNX Gas Company, LLC OP Code 494458046  
Watershed (HUC 10) Miracle Run Quadrangle Mannington

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

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: \_\_\_\_\_

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? \_\_\_\_\_

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- 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 will use vacuum trucks, and properly dispose of any fluid or waste returns)

Will closed loop system be used? If so, describe: no

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. na

-If oil based, what type? Synthetic, petroleum, etc. \_\_\_\_\_

Additives to be used in drilling medium? na

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. na

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) \_\_\_\_\_

-Landfill or offsite name/permit number? \_\_\_\_\_

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Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

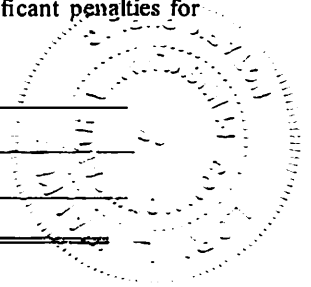
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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

Company Official (Typed Name) Erika Whetstone

Company Official Title Permitting Supervisor



Subscribed and sworn before me this 9th day of June, 2017

Lori L. Walker  
Notary Public

My commission expires February 23, 2019

COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
Lori L. Walker, Notary Public  
Richhill Twp., Greene County  
My Commission Expires Feb. 23, 2019  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES  
06/17/2017

Operator's Well No. \_\_\_\_\_

Proposed Revegetation Treatment: Acres Disturbed less than 1 acre Prevegetation pH \_\_\_\_\_

Lime 2-3 Tons/acre or to correct to pH \_\_\_\_\_

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch hay or straw 2 Tons/acre

Seed Mixtures

**Temporary**

**Permanent**

Seed Type	lbs/acre
Tall Fescue	40
Landino Clover	5

Seed Type	lbs/acre
Tall Fescue	40
Landino Clover	5

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

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Comments: Reclaim site ASAP

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Title: Inspector

Date: 7/6/2017

Field Reviewed?  Yes  No

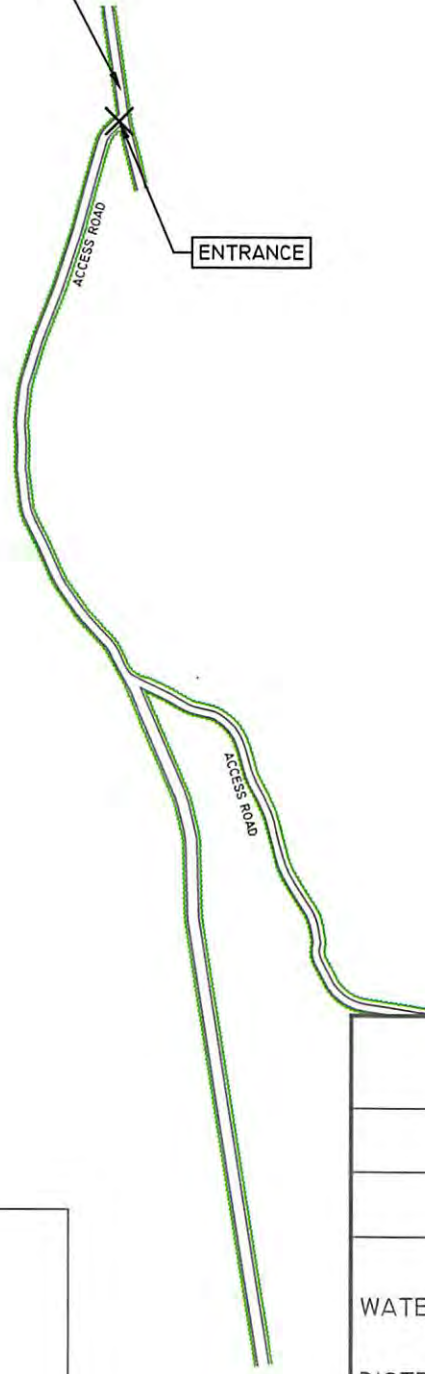
THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ACCESS IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

**LEGEND**

- — — — — - EXISTING ROAD
- ~~~~~ - EXISTING TREE LINE

RANGE RUN ROAD  
SPEED LIMIT 25  
(CR 8)

ENTRANCE



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DRAWINGS TO ACCOMPANY FORM WW-9

CNX GAS COMPANY, LLC.

200 HALLAM ROAD

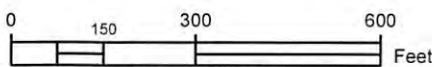
WASHINGTON, PA 15301

WATERSHED: MIRACLE RUN

DISTRICT: BATTELLE COUNTY: MONONGALIA

QUADRANGLE: MANNINGTON WELL NO: GREIG-L-67

DATE: 05/24/2017 PAGE 1 OF 6



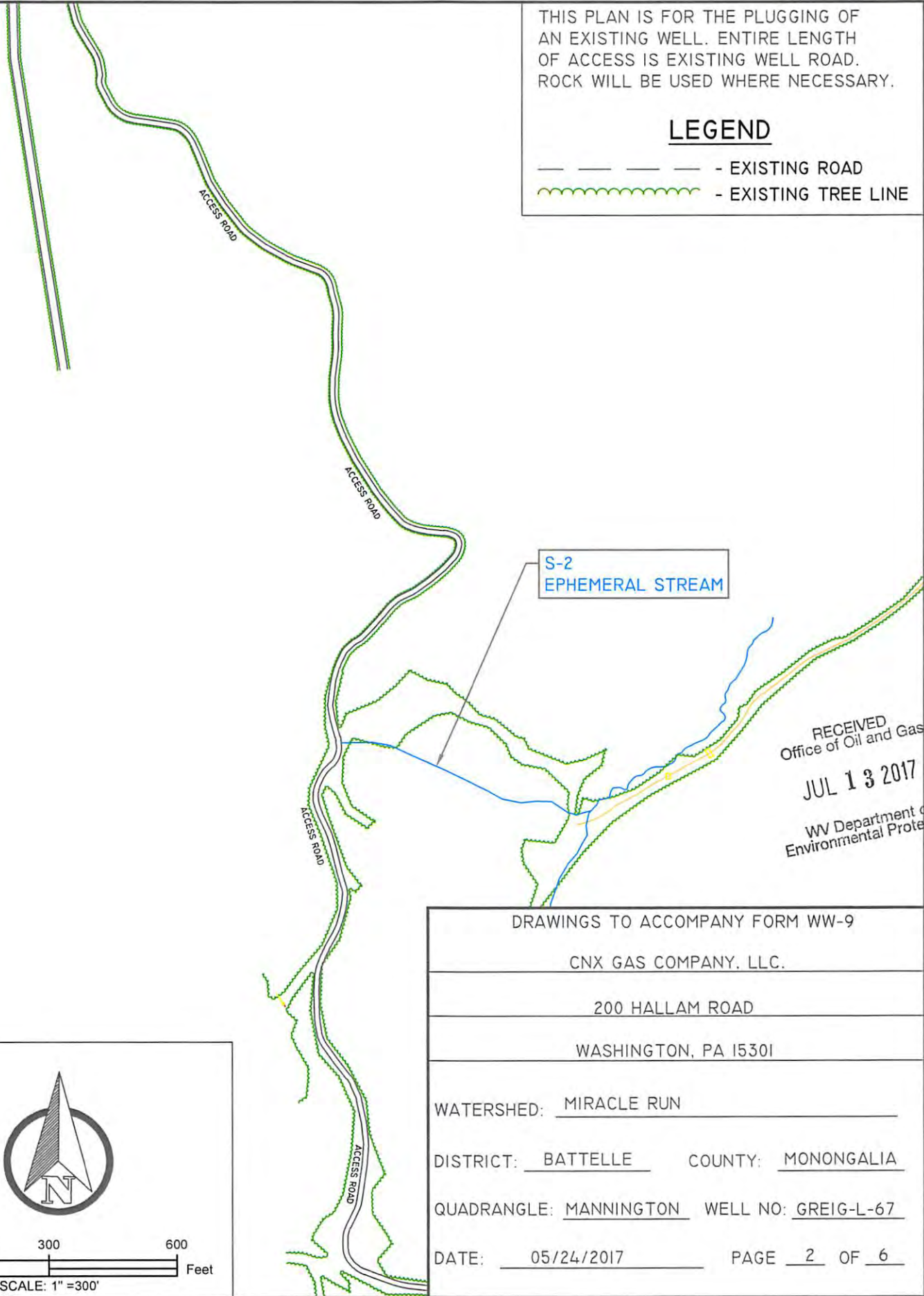
SCALE: 1" = 300'



THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ACCESS IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

**LEGEND**

- — — — — - EXISTING ROAD
- ~~~~~ - EXISTING TREE LINE



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DRAWINGS TO ACCOMPANY FORM WW-9

CNX GAS COMPANY, LLC.

200 HALLAM ROAD

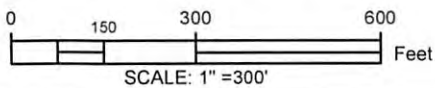
WASHINGTON, PA 15301

WATERSHED: MIRACLE RUN

DISTRICT: BATTELLE COUNTY: MONONGALIA

QUADRANGLE: MANNINGTON WELL NO: GREIG-L-67

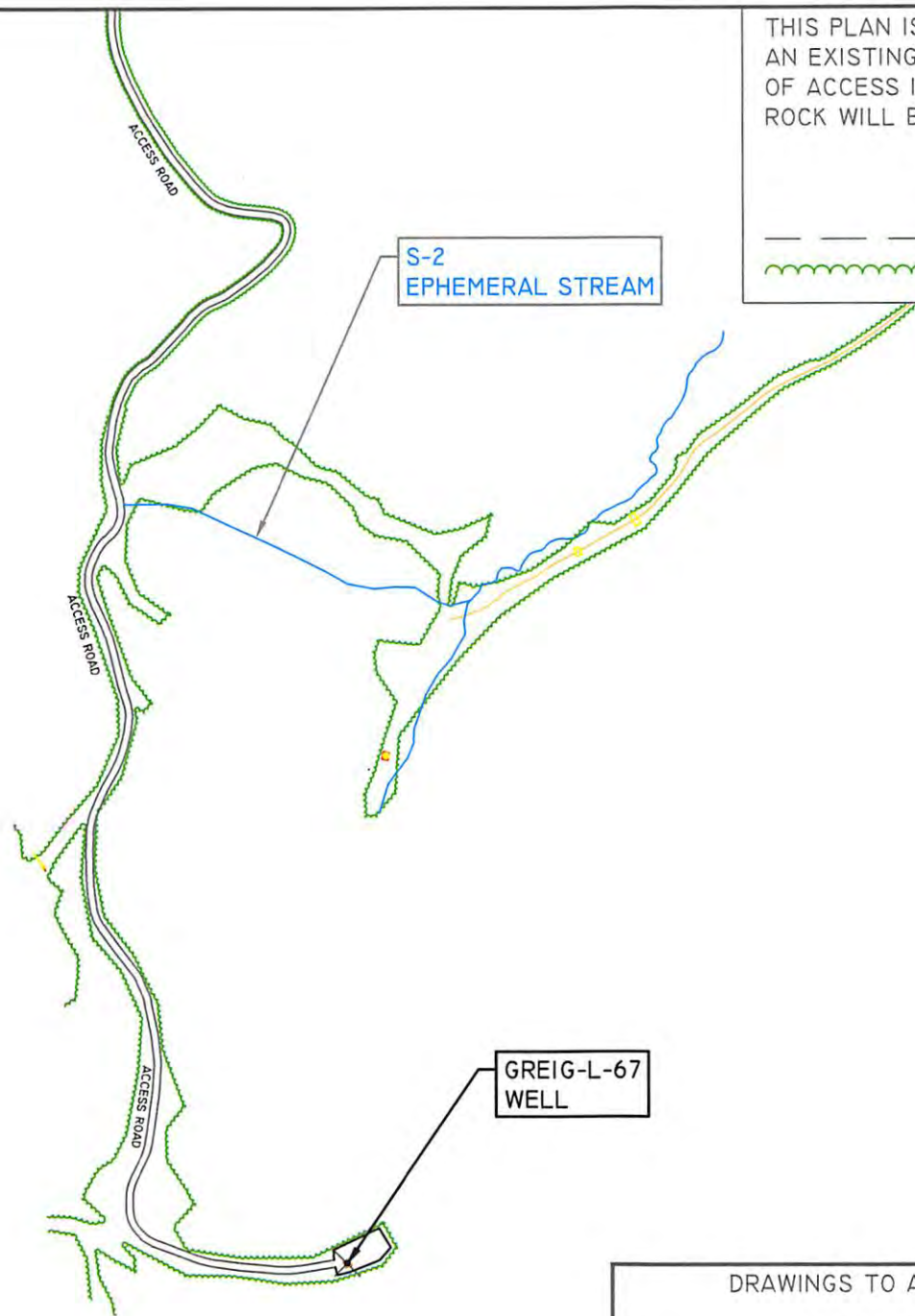
DATE: 05/24/2017 PAGE 2 OF 6



THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ACCESS IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

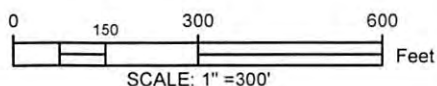
**LEGEND**

- — — — — - EXISTING ROAD
- ~~~~~ - EXISTING TREE LINE



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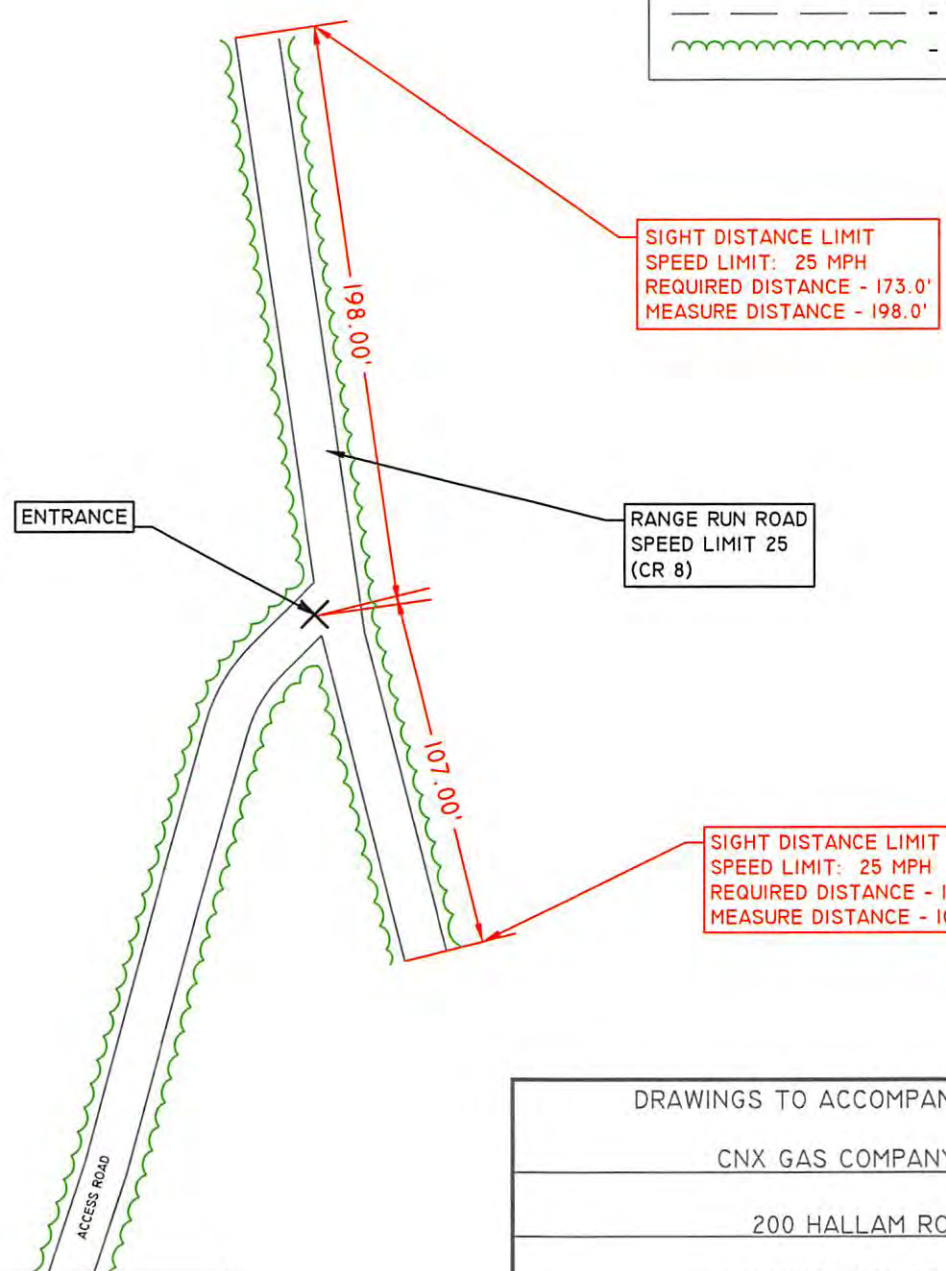
DRAWINGS TO ACCOMPANY FORM WW-9	
CNX GAS COMPANY, LLC.	
200 HALLAM ROAD	
WASHINGTON, PA 15301	
WATERSHED: <u>MIRACLE RUN</u>	
DISTRICT: <u>BATTELLE</u>	COUNTY: <u>MONONGALIA</u>
QUADRANGLE: <u>MANNINGTON</u> WELL NO: <u>GREIG-L-67</u>	
DATE: <u>05/24/2017</u>	PAGE <u>3</u> OF <u>6</u>



THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ACCESS IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

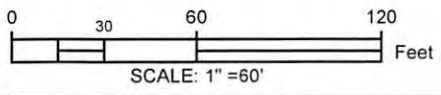
**LEGEND**

- — — — — - EXISTING ROAD
- ~~~~~ - EXISTING TREE LINE



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Office of Oil and Gas  
JUL 13 2017  
WV Department of  
Environmental Protection

DRAWINGS TO ACCOMPANY FORM WW-9	
CNX GAS COMPANY, LLC.	
200 HALLAM ROAD	
WASHINGTON, PA 15301	
WATERSHED: <u>MIRACLE RUN</u>	
DISTRICT: <u>BATTELLE</u>	COUNTY: <u>MONONGALIA</u>
QUADRANGLE: <u>MANNINGTON</u> WELL NO: <u>GREIG-L-67</u>	
DATE: <u>05/24/2017</u>	PAGE <u>4</u> OF <u>6</u>

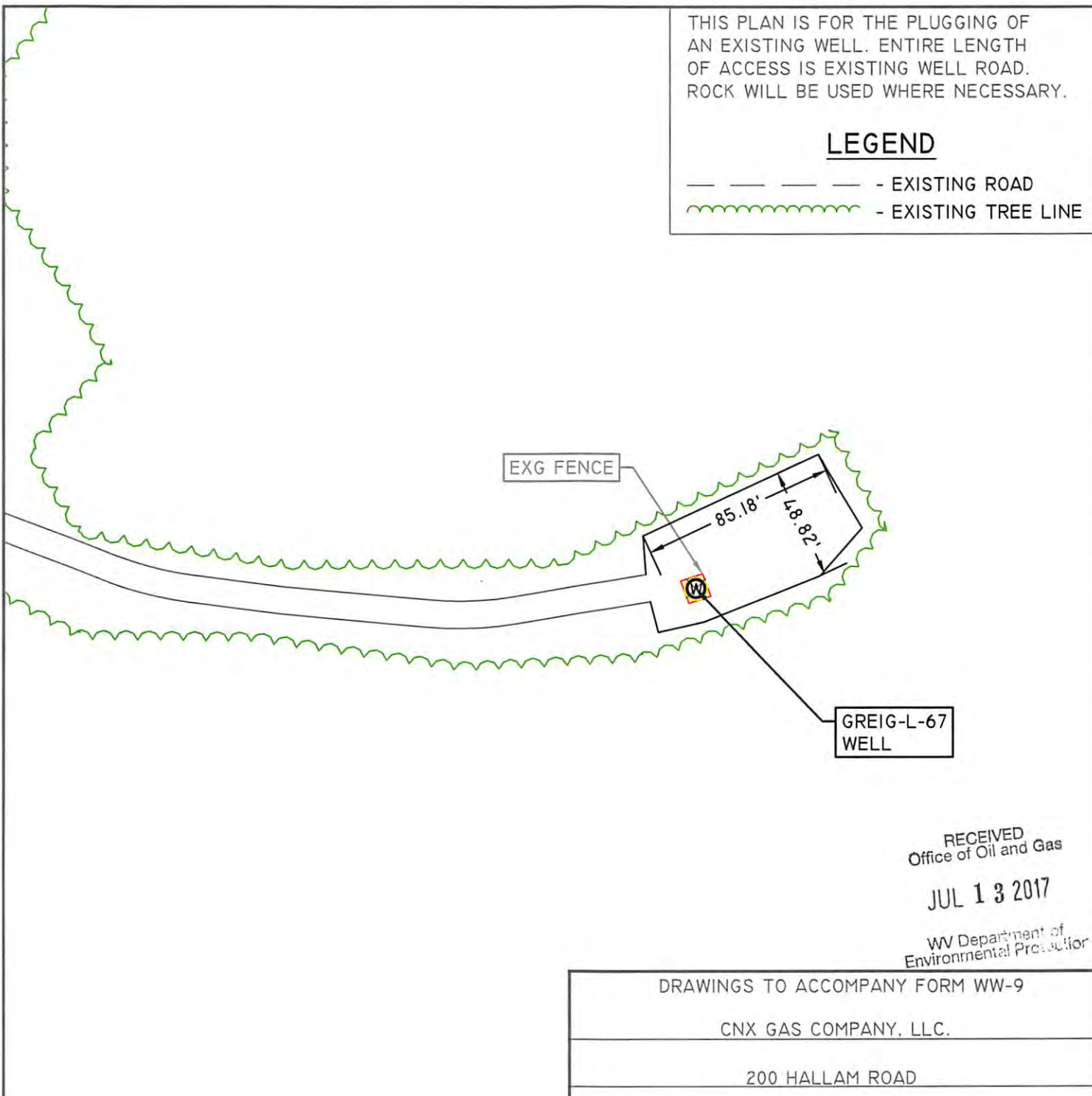




THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ACCESS IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

**LEGEND**

- — — — — - EXISTING ROAD
- ~~~~~ - EXISTING TREE LINE



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Office of Oil and Gas

JUL 13 2017

WV Department of  
Environmental Protection

DRAWINGS TO ACCOMPANY FORM WW-9

CNX GAS COMPANY, LLC.

200 HALLAM ROAD

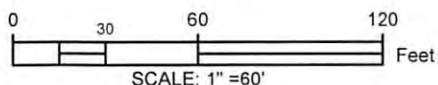
WASHINGTON, PA 15301

WATERSHED: MIRACLE RUN

DISTRICT: BATTELLE COUNTY: MONONGALIA

QUADRANGLE: MANNINGTON WELL NO: GREIG-L-67

DATE: 05/24/2017 PAGE 5 OF 6







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WV Department of  
Environmental Protection

LOCATION MAP  
MANNINGTON, WV 7.5M USGS QUADRANGLE  
SCALE: 1"=2000'



**Blue Mountain Inc.**  
Engineers and Land Surveyors  
Woman Owned Small Business  
11023 Mason Dixon Hwy.  
Burton, WV 26562-9636  
(304) 662-6486

**LOCATION MAP**  
GAS WELL PLUGGING  
GREIG-L-67 GAS WELL  
BATTELLE DISTRICT  
MONONGALIA COUNTY, WV  
CNX GAS COMPANY, LLC.  
200 HALLAM ROAD  
WASHINGTON, PA 15301

DRAWN BY: LLF
CHECKED BY: WPF
DATE: 05/24/2017
SCALE: 1"=2000'
WATERSHED: MIRACLE RUN
PAGE 6 OF 6



WW-7  
8-30-06



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

API: 47-061-01470 WELL NO.: L67

FARM NAME: Greig

RESPONSIBLE PARTY NAME: Erika Whetstone

COUNTY: Monongalia DISTRICT: Battelle

QUADRANGLE: Mannington

SURFACE OWNER: DOGWOOD VALLEY LLC

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

UTM GPS NORTHING: 4,384,958.450 METERS

UTM GPS EASTING: 557,762.121 METERS GPS ELEVATION: 459.242 METERS (1506.70')

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS  : Post Processed Differential   
Real-Time Differential \_\_\_\_\_

Mapping Grade GPS \_\_\_\_\_ : Post Processed Differential \_\_\_\_\_  
Real-Time Differential \_\_\_\_\_

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

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

Erika Whetstone  
Signature

Permitting Supervisor  
Title

6/9/17  
Date

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Environmental Protection