



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 14, 2014

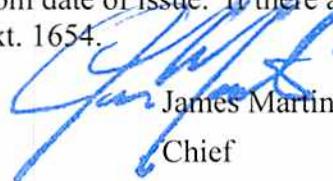
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-2103048, 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: 4044
Farm Name: MICK, H.
API Well Number: 47-2103048
Permit Type: Plugging
Date Issued: 10/14/2014

Promoting a healthy environment.

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.

1) Date _____, 2014
2) Operator's
Well No. 4044
3) API Well No. 47-021 - 03048

*CK 2720022647
10000*

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 1337.58' Watershed Rocky Fork
District Glennville County Gilmer Quadrangle Peterson

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

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Office of Oil and Gas
AUG 26 2014
WV Department of
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 *Bryan O'Hara* Date 8-12-14

Plugging Work Order for Permit 47-021-03048

CNX Gas – Well 4044

1. Verify TD, and swab well dry.
2. Unset 2" packer @ 2161', if unable to unset packer, then free point & cut above packer @ (~2161'). Pull up 1 ft.
3. Pump Cement Plug from TD to 2000'. (top of Big Injun 2136')
4. Pull up to 2000' & circulate 6% gel to surface. TOH w/ 2" tubing. Wait on cement.
5. Free Point and Cut 6-5/8" casing at cement top ~2000'. Pull up 2 feet.
6. Pump 100' plug across cut @ ~2000'.
7. Pull 6-5/8" up to 1438'.
8. Pump cement plug from 1438' to 1238' (Elev. 1338'). 6% gel to surface.
9. TOH with 6-5/8" casing.
10. Attempt to pull 8-1/4" casing (987'). 10a *
11. If unable to pull 8-1/4" casing perforate casing @ 900', 700', 500', 300', 200'. 11a, *
12. TIH w/ 2-3/8" EUE tubing to 200'. Establish circulation with 6% gel.
13. Pump Cement Plug from 200' to surface.
14. TOH with 2-3/8" EUE, and top off cement to surface.
15. Install 6" x 14' monument (10' below grade) API 47-021-03048

Work Order approved by Inspector Bryan O. Harris Date: 8-12-14

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

Q/W/M ★ 10a. FIND FREE POINT OF 8 1/4" & CUT AND PULL 8 1/4" CASING.
SET 100' CLASS A. PLUG ACROSS CASING CUT.

★ 11a. IF CASING IS PERFORATED @ 900', 700', 500', 300', 200',
MUST SET 100' CEMENT PLUG ACROSS EACH PERFORATION.

2103048P

MANOMETER

WELL No. **4044**

ANNUAL REPORT OF ROCK PRESSURE

DATE	TIME SHUT IN	SAND	ROCK	LINE PRESSURE	SHUT IN PRESSURE	DATE	TIME SHUT IN	SAND	ROCK	Date Test	IN PRESSURE
Sept 1916	5 mo 1 da	Injun	540			Sept. 52	6 da	Injun	80	1-24-50	27.3
Sept 1917	7 da	Injun	355			Aug. 54	7"	"	114	7-11-50	28.5
" 1918	3 da	"	265			" 56	7"	"	105	1-22-51	18.7
Sept 1919	3 mo 18 da	Injun	275			June 58	7"	"	100	7-25-51	30.6
" 1920	19 da	"	225			June 60	7"	"	95	1-23-52	28.7
Sept 1921	3 mo 4 da	Injun	230			Oct. 62	7"	"	92	7-28-52	22.9
Sept. 1922	15 da	"	195			Oct. 64	7"	"	53	1-22-53	17.6
Sept 1923	24 da	"	195			July, 66	7"	"	36	7-21-53	9.4
8-25-24	1 mo 17 da	"	195			June 71	7"	"	60	1-54	H.P.
Sept. 1927	1 mo 26 da	"	235			June 80	37"	"	55	7-28-54	15.7
Sept 1928	1 mo 7 da	Injun	225			May 85	10"	"	100	1-18-55	16.5
Sept. 1929	8 da	"	135			8-86	43"	"	100	7-14-55	17.8
Sept 1930	3 mo 17 da	"	225							1-24-56	19.6
Sept. 1931	3" 2"	"	225							7-18-56	31.8
Sept 1932	4 da	"	225							1-24-57	26.8
Sept 1933	3 da	"	226							7-25-57	15.0
Sept. 1934	1 mo 12 da	"	240							12-31-57	20.6
Sept. 1935	4 da	"	200							7-16-58	24.3
Sept. 1936	5 da	"	198							1-28-59	17.0
" 1937	3"	"	192							7-21-59	16.6
Sept. 1938	3"	"	196							1-28-60	15.1
" 1939	1"	"	190							7-60	24.3
" 1940	5"	"	190							1-61	12.8
Aug. 1941	6"	"	176							8-61	18.1
Sept. 1942	2 mo 26 da	"	178							1-68	18.7
" 1944	4 days	"	132							7-62	17.5
Aug. 1949	7 da	Injun	90							1-63	16.4
July 48	71	"	110							7-63	15.1
" 1950	71	"	108							1-64	14.7
										7-64	10.2
										1-65	13.2

REPAIRS TO WELL

COMMENCED	COMPLETED	DRILLED DEEPER		SHOT	VOLUME		ROCK PRESSURE		BAILED
		From (Ft.)	To (Ft.)		Before	After	Before	After	
3-30-17	3-30-17				655,776	655,776	320	6/24/30	3-21-25-96m 5-17-58-711M
								2-24-31	7-19-35-96m 8-23-58-907M
								10-3-33	10-2-25-96m 10-1-58-911M
								11-6-33	1-14-26-96m 3-27-59-761M
								5-14-34	6-25-36-82M 10-18-59-76M
								64M	9-25-36-81M 10-7-41-81M
								10-19-34	2-2-37-91M 9-5-40-60M
								11-19-34	5-17-37-82M 10-7-41-81M
								12-2-34	1-4-38-78M 8-40-86M
								12-2-34	1-24-38-80M 1-21-41-86M

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 Oil and Gas
 Office of
 Exploration
 1515
 1515
 1515

ROYALTY 75%
 REDUCED TO 1
 REDUCTION SENT TO
 REFUSED.
 1/29/43-67

HOPE NATURAL GAS COMPANY.

LOCATION FOR WELL No. 4044

DISTRICT

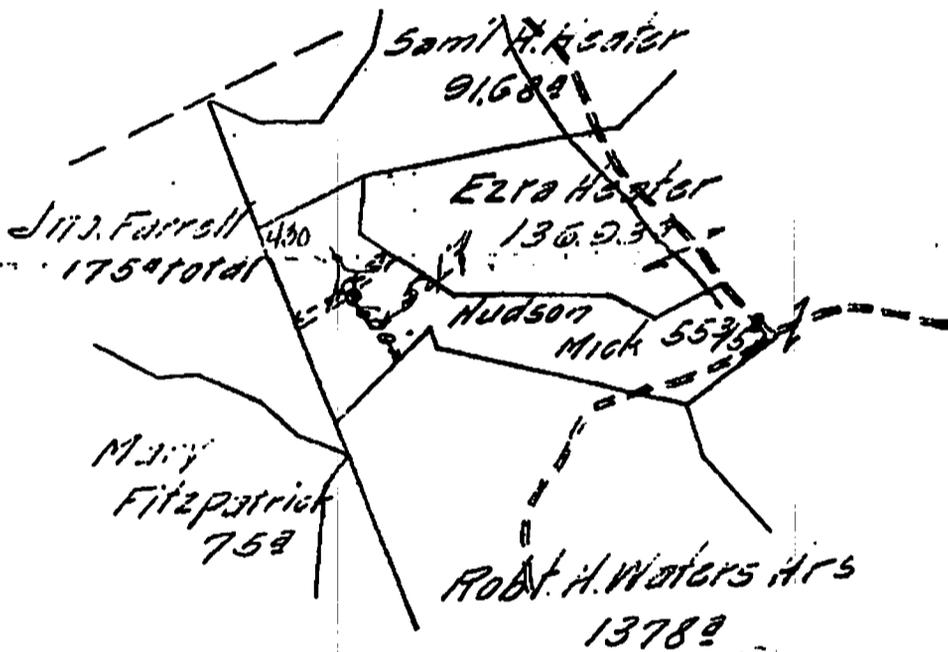
On Hudson Mick Farm on waters of Kearney Creek
 District Lincoln County, West Virginia
 Lease No. 21102 Acres 36 S. 38 E. W. 2

Scale, one inch equals

Sent to Clarksburg Office Dec 2 1915

Location to be equidistant from the Farrell and Ezra Heater farms and 600 feet from Robt. H. Waters Mrs. farm

Hudson Mick (owner)
Orlando, W. Va.



021-3048

Title None
 RESERVE None
 SPECIAL INSTRUCTIONS Complete Well on or Before same lease in area
to be made No. 3267
 Location made 12-10-15 by P. Scott As per plat, except as noted. On field m
12-13-15 Returned to Pittsburgh 12-13-15
 Location changed on account of deep ravine
 Authorized by J. B. Quinn Date 12-11-15 Signed D. H. Bradley
R. O. B.

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
Glennville, WV 26351

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AUG 26 2014

WV Department of
Environmental Protection

WW-4A
Revised 6-07

1) Date: 8/21/14
2) Operator's Well Number 4044

3) API Well No.: 47 - 021 - 03048

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

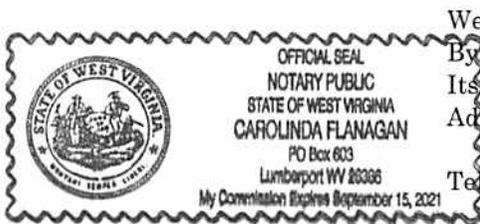
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>See Attached</u>	Name <u>None of Declaration</u>
Address _____	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attached</u>
(c) Name _____	Address _____
Address _____	Name _____
Address _____	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>	Address _____

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	<u>Kelly Eddy</u>
By	Matt Imrich	
Its	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	<u>AUG 26 2014</u>

Subscribed and sworn before me this 21ST day of AUGUST 2014 WV Department of Environmental Protection
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 personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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 Rocky Fork Quadrangle Peterson

Elevation 1337.58' 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~~ YES 20 MIL

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 Kelley Eddy

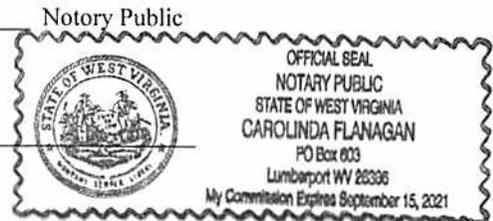
Company Official (Typed Name) Matt Imrich

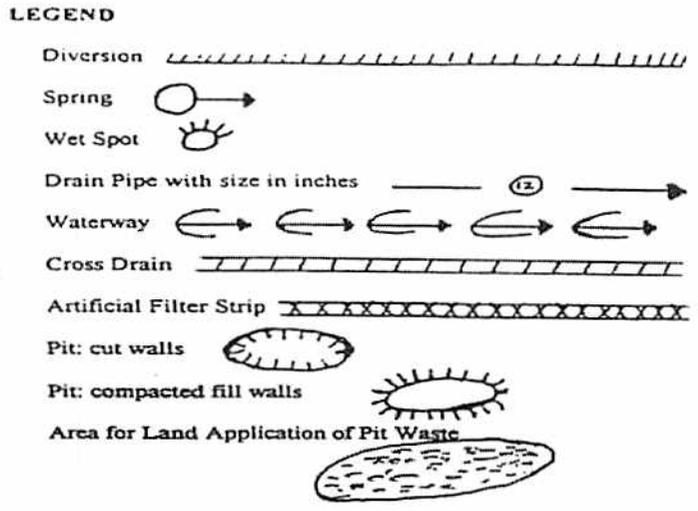
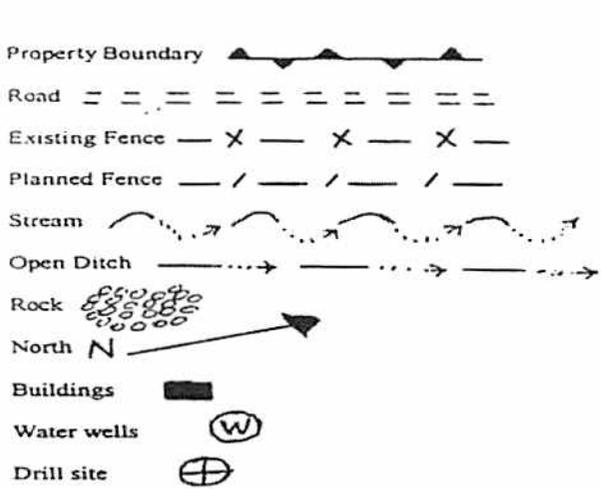
Company Official Title Designated Agent - District Operations Superintendent, WV Gas Operations

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WV Department of
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Subscribed and sworn before me this 21ST day of AUGUST, 2014

[Signature]
My commission expires 9/15/2021





Proposed Revegetation Treatment: Acres Disturbed 1.25 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

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	25	Orchard Grass	25
Birdsfoot Trefoil	15	Birdsfoot Trefoil	15
Ladino Clover	10	Ladino Clover	10

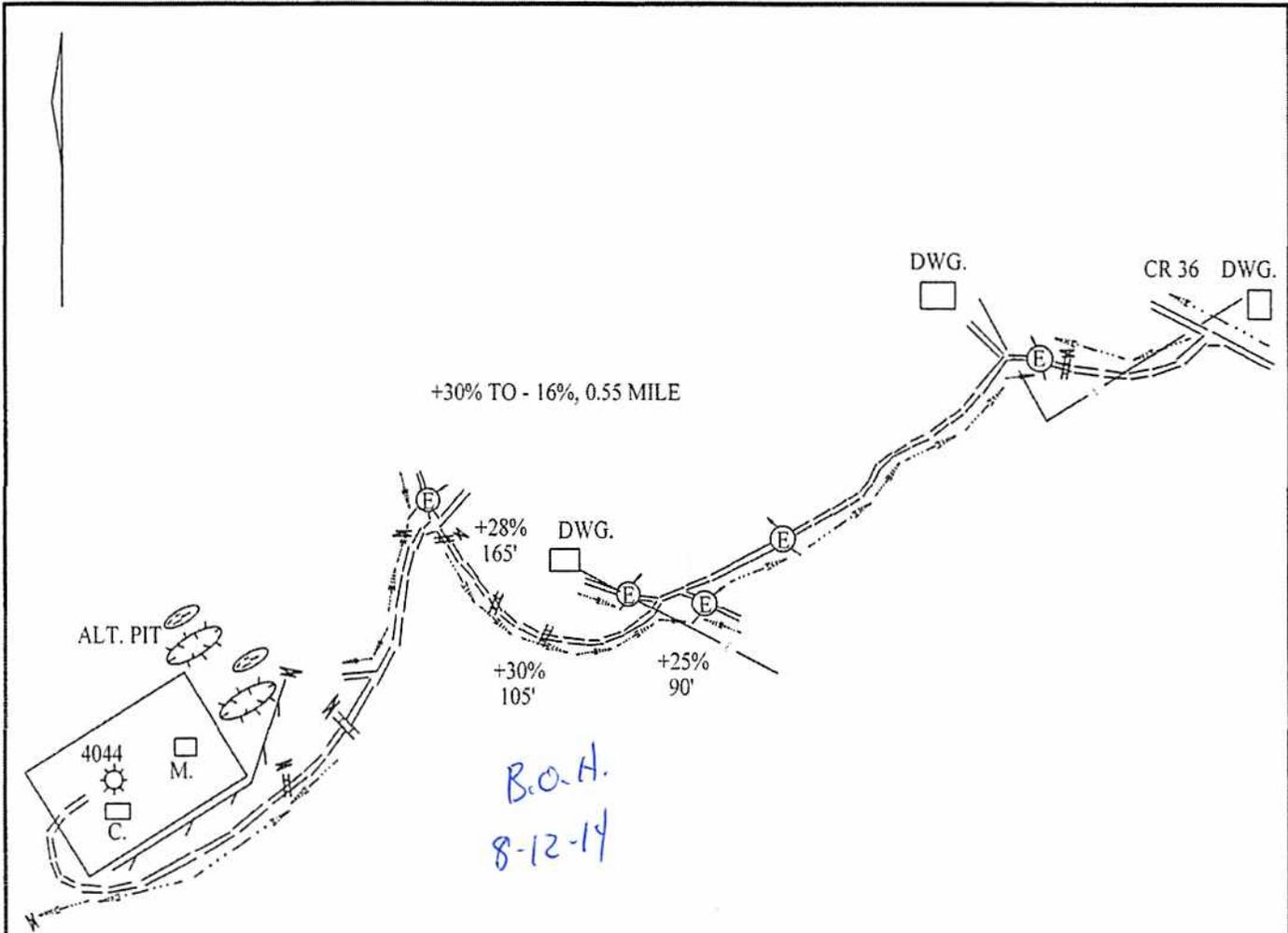
Attach:
 Drawing(s) of road, location, pit and proposed area for land application.
 Photocopied section of involved 7.5' topographic sheet.

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Plan Approved by: *Stephen O'Hara*
 Comments: _____

WV Department of
 Environmental Protection

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

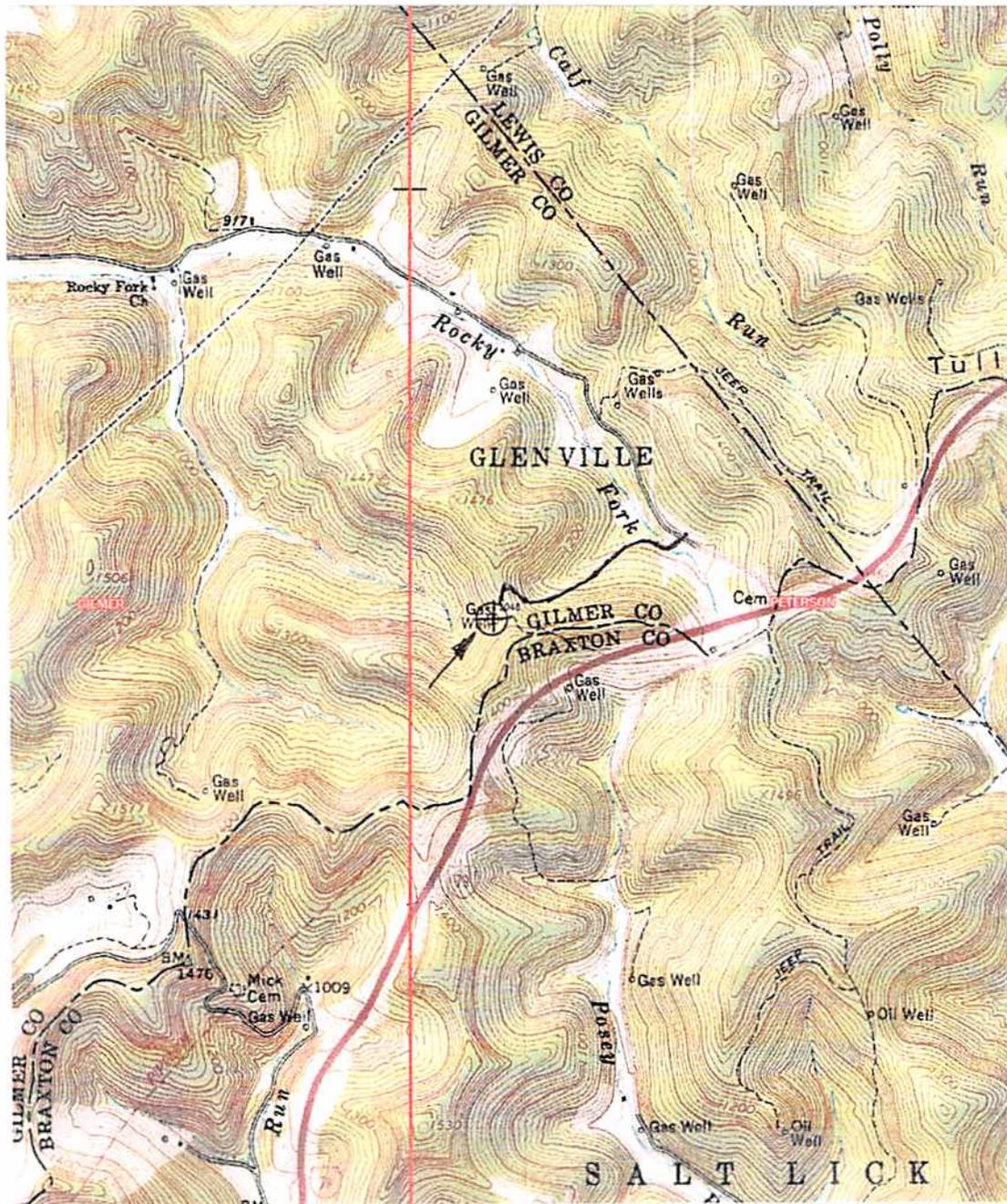


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THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ROAD IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY. ALL GRADES OVER 20% ARE NOTED.

DRAWINGS TO ACCOMPANY FORM WW-9	
CNX GAS COMPANY LLC	
P. O. BOX 1248	
JANE LEW, WV 26378	
WATERSHED:	ROCKY FORK
DISTRICT:	GLENVILLE COUNTY: GILMER
QUADRANGLE:	PETERSON WELL NO.: 4044
DATE:	08/06/14 PAGE ___ of ___

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



B.O.H.
8-12-14

DRAWINGS TO ACCOMPANY FORM WW-9

CNX GAS COMPANY LLC

P. O. BOX 1248

JANE LEW, WV 26378

WATERSHED: ROCKY FORK

DISTRICT: GLENVILLE COUNTY: GILMER

QUADRANGLE: PETERSON WELL NO.: 4044

DATE: 08/06/14 PAGE 1 of 1

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

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

API: 47-021-03048 WELL NO.: 4044

FARM NAME: HUDSON MICK

RESPONSIBLE PARTY NAME: CNX GAS COMPANY LLC

COUNTY: GILMER 21 DISTRICT: GLENVILLE 3

QUADRANGLE: PETERSON 7.5 MIN. 542

SURFACE OWNER: CHARLES W. FREEMAN, JR., ET. AL.

ROYALTY OWNER: ELAINE GAINES

UTM GPS NORTHING: 4,306,112.70 METERS

UTM GPS EASTING: 532,827.48 METERS GPS ELEVATION: 407.70 METERS 1337 FT.

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 ; Post Processed Differential Real-Time Differential

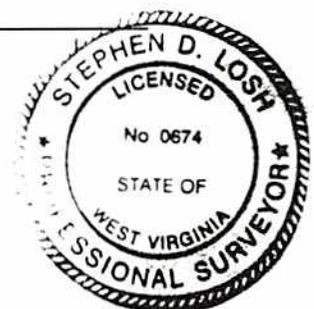
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Office of Oil and Gas
AUG 23 2014
West Virginia Department of Environmental Protection

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



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

August 06, 2014

DRIVING DIRECTIONS FOR 4044

From the junction of State Route 5 and County Route 13 (Sand Fork Rd.) in Sand Fork, proceed on County Route 13 for 3.10 miles. Turn right on County Route 13 (Indian Fork Rd.). Go 1.50 miles and turn right on County Route 13 (Indian Fork Rd.). Go 1.80 miles and turn right on County Route 36 (Rocky Fork Rd.). Go 4.10 miles and turn right on the well road.

Nearest Fire Station: Sand Fork

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



August 21, 2014

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

RE: Well to be Plug and Abandoned: 4044

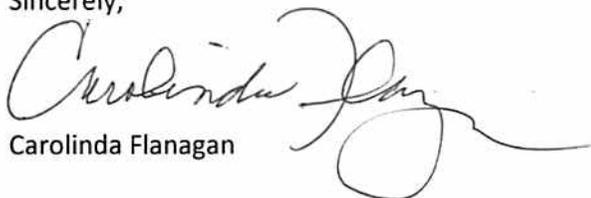
To Whom it May Concern,

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

- 4044 – API #47-021-03048

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

Sincerely,


Carolinda Flanagan

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Office of Oil and Gas

AUG 26 2014

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