



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

August 22, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1300914, 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.

A blue ink signature of James Martin, Chief, is written over the text of his name and title.

James Martin
Chief

Operator's Well No: 9054
Farm Name: GAINER, A. L.
API Well Number: 47-1300914
Permit Type: Plugging
Date Issued: 08/22/2014

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

1) Date 7/9, 20 14
2) Operator's
Well No. 9054
3) API Well No. 47-013-00914

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 1,138.88' Watershed Pine Creek
District Union County Calhoun Quadrangle Center

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 Name Ed Gainer
Address P.O. Box 821
Spencer, WV 25276
9) Plugging Contractor Name See Attached
Address _____

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

See changes

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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 6/8/14

Plugging Work Order for Permit 47-013-00914

Well Number 9054

ACS 8/21/14

1. Check TD of open hole 2055'
2. Attempt to pull 7.00", if unable to pull, run free point and cut casing just above free point
Set 100' cement plug across cut
3. Attempt to pull 8.625", if unable to pull, free point and cut casing just above free point
4. Attempt to pull 13.375", if unable to pull, free point and cut casing just above free point and remove from well
5. T.I.H. with 2.375" tubing to TD
6. Cement plugs: 1500 - 2055 Shot holes +200'
1081 - 1181 Elevation Plug
300 - 400 water @ 350
0 - 120 Surface
7. Install monument (Note: All gel spacers 6% Class A Cement)

Plugs will be set before csg is pulled.



8/5/14

Contact Inspector if unable to freepoint any casing.

*ACS
8/21/14
8/21/14*

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WN 9054

PERMIT 47-13-914

ELEV. 1131'

WATER 350'

NO COAL

OIL 1880'

GAS 1144', 1743', 1880'

12" HOLE

10.75"

385'

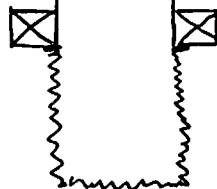
10" HOLE

8.625"

1055'

8" HOLE

7.00"



1959'

Bottom Hole

SHOT HOLE

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Attachment – Form WW-4B:

13-914P

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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08/22/2014

1) Date: 7/9/2014
2) Operator's Well Number 9054

3) API Well No.: 47 - 013 - 00914

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>Billy Jack Croft</u>	Name <u>None of Declaration</u>
Address <u>1078 Benton Street</u> <u>Barberton, OH 44203</u>	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>None of Declaration</u>
(c) Name _____	Address _____
Address _____	Name _____
Address _____	Address _____
6) Inspector <u>Ed Gainer</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 821</u>	Name <u>None of Declaration</u>
<u>Spencer, WV 25276</u>	Address _____
Telephone <u>304-389-7582</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 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 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 <u>CNX Gas Company LLC</u>
	By: <u>Matt Imrich</u> <u>Kelly Eddy</u>
	Its: <u>Designated Agent - District Operations Superintendent, WV Gas Operations</u>
	Address <u>P.O. Box 1248</u> <u>Jane Lew, WV 26378</u>
	Telephone <u>304-884-2131 - Kelly Eddy, Permitting Supervisor</u>

Subscribed and sworn before me this 9th day of JULY 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 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.

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13-914

7012 1010 0003 0013 0863

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.72
Certified Fee	3.10
Return Receipt Fee (Endorsement Required)	2.55
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.37

Postmark Here: JANE LEW WV DEC 9 2013 75376

CPX

Sent To: **Billy Jack Croft**

Street, Apt. No., or PO Box No.: **1078 Benton Street**

City, State, ZIP+4: **Barberton, OH 44203**

P&A - Well 9054 - Surface Owner

PS Form 3800, August 2006 See Reverse for Instructions

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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 Pine Creek Quadrangle Philippi

Elevation 1138.88' County Calhoun District Center

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

Will a synthetic liner be used in the pit? Yes - 20 ml

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 Disposal: Meadowfill, Northwestern Landfill, Max Environmental Yukon Landfill and Bulger Landfill)

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

Subscribed and sworn before me this 9th day of July, 20 14

Carolina P. Nagan

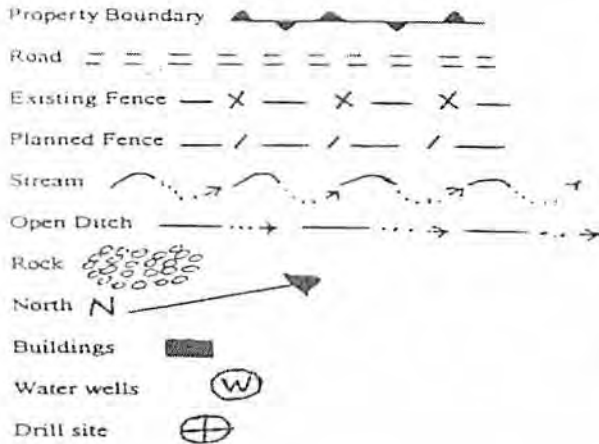
My commission expires 9/15/2021



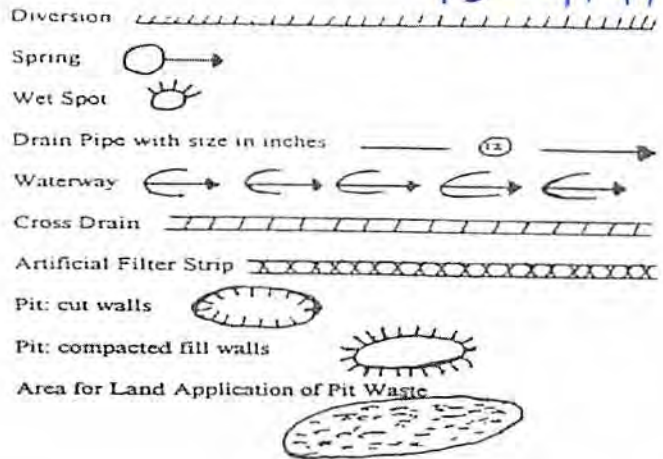
06/22/2014



13-914P



LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1.50 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: _____

Comments: _____

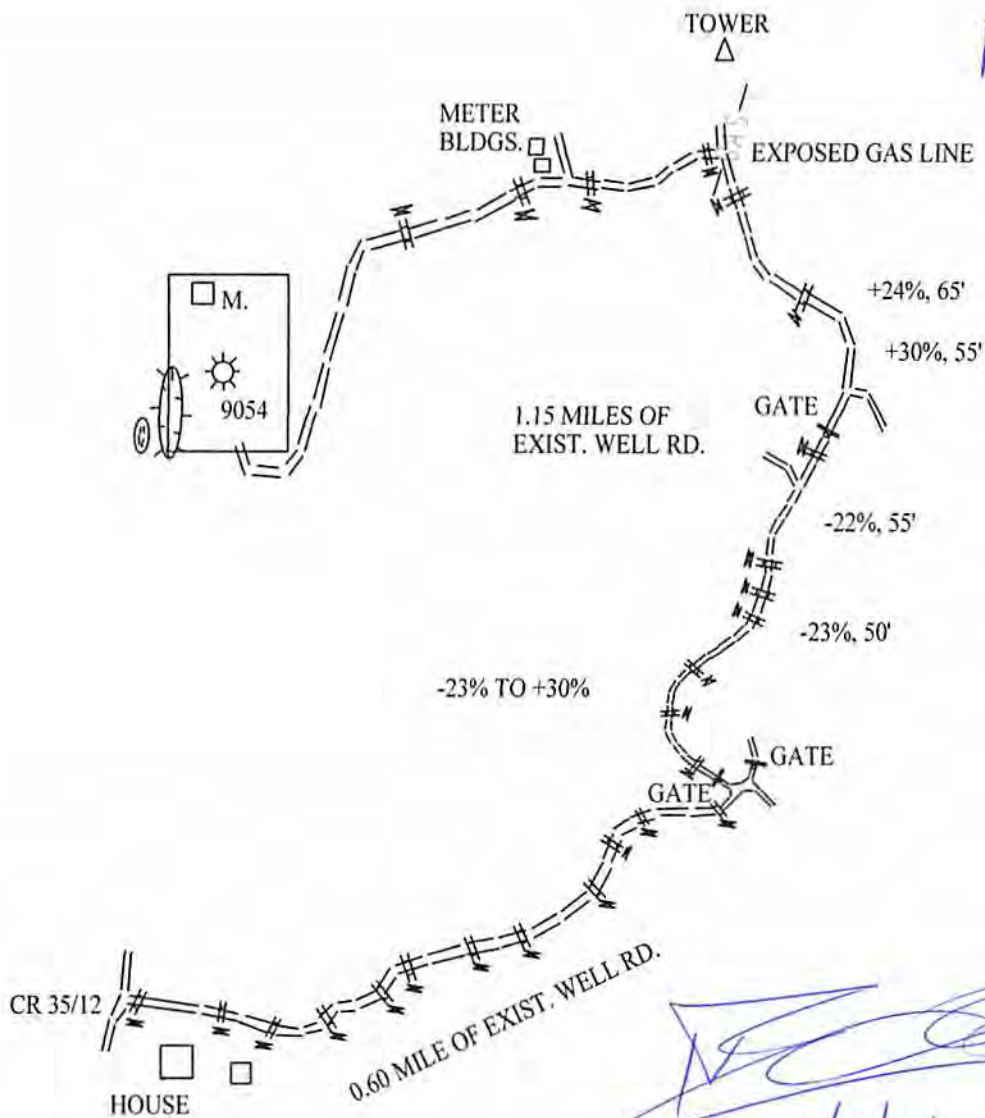
Title: Inspector

Date: 6/5/14

Field Reviewed? Yes No

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

BE ALERT FOR BURIED AND OTHER UTILITY AND GAS LINES.

ANOTHER PIT WILL BE CONSTRUCTED IF NEEDED OR REQUIRED.

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

DRAWINGS TO ACCOMPANY FORM WW-9

CNX GAS COMPANY LLC

P. O. BOX 1248

JANE LEW, WV 26378

WATERSHED: _____

PINE CREEK

DISTRICT: CENTER

COUNTY: _____

QUADRANGLE: GRANTSVILLE

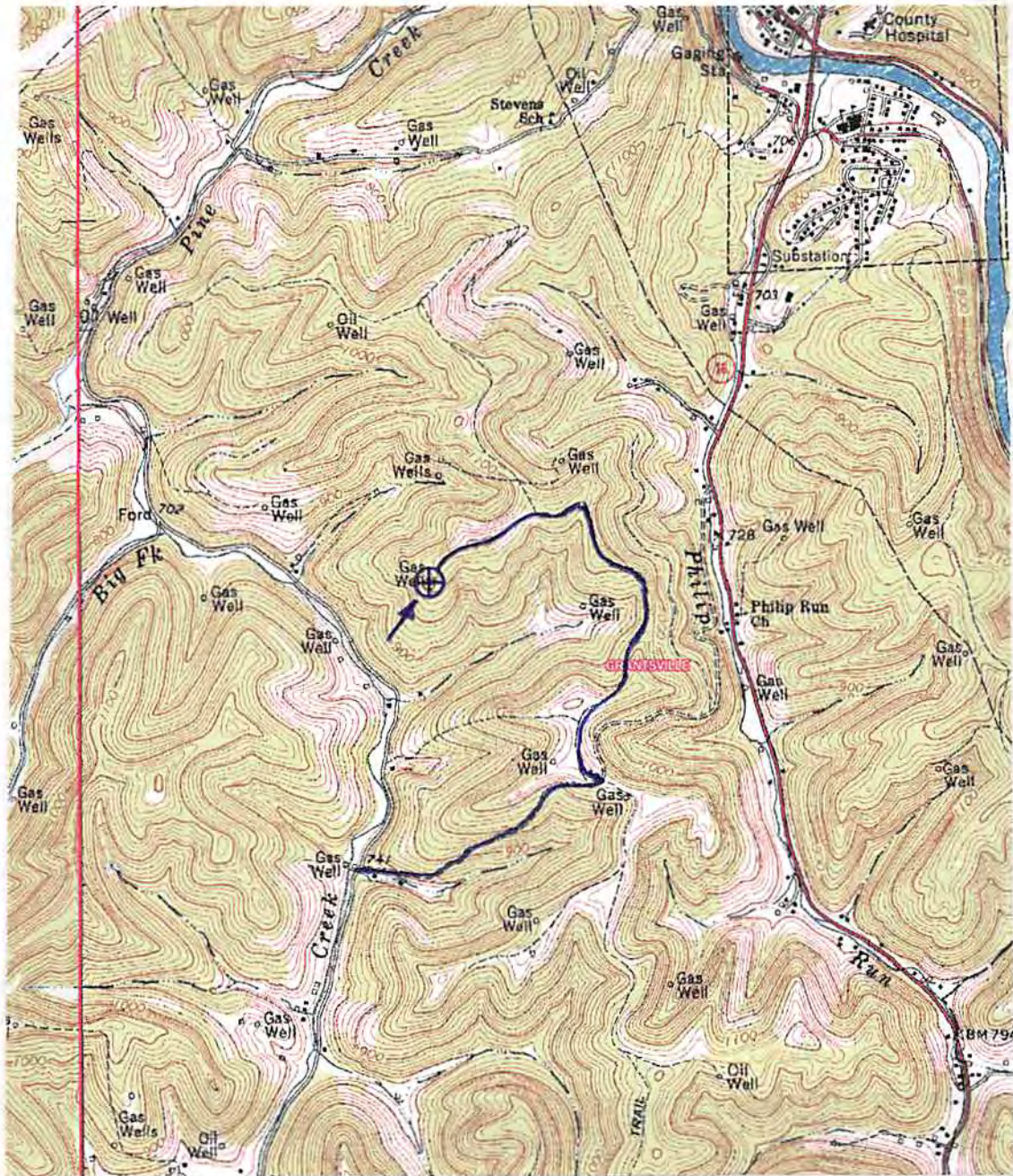
WELL NO: 9054

DATE: 05/20/13

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08/22/2014



DRAWINGS TO ACCOMPANY FORM WW-9

CNX GAS COMPANY LLC

P. O. BOX 1248

JANE LEW, WV 26378

WATERSHED: _____

DISTRICT: CENTER

QUADRANGLE: _____

DATE: _____

Office of Oil and Gas

Office of Oil and Gas

COUNTY: _____

GRANTSVILLE

WELL NO.: _____

05/20/13

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Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-013-00914 WELL NO.: 9054
FARM NAME: A. L. GAINER
RESPONSIBLE PARTY NAME: CNX GAS COMPANY LLC
COUNTY: CALHOUN DISTRICT: CENTER 1
QUADRANGLE: GRANTSVILLE 7.5 MIN. 379
SURFACE OWNER: BILLY JACK CROFT 1078 BENTON ST., BARBERTON, OH 44203
ROYALTY OWNER: DEBORAH Y. MARSH, ET. AL.
UTM GPS NORTHING: 4,306,270.30 METERS
UTM GPS EASTING: 490,421.17 METERS GPS ELEVATION: 347.13 METERS

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

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 05/20/13

CNX USE: NAD 27 WV NORTH SPC: 9054 = 151,686.64' 1,541,639.31' ELEV. = 1138.88'

