



**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 27, 2013

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-4100955, 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 handwritten signature in blue ink, appearing to read 'James Martin', is written over the typed name.

James Martin  
Chief

Operator's Well No: 7077 (10389)  
Farm Name: SAULS RUN LTD.  
**API Well Number: 47-4100955**  
**Permit Type: Plugging**  
Date Issued: 08/27/2013

**Promoting a healthy environment.**

4100955P

WW-4B  
Rev. 2/01

1) Date May 7, 20 13  
2) Operator's  
Well No. 7077  
3) API Well No. 47-041-00955

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 1252.56 Watershed Stonecoal Creek  
District Hackers Creek 04 County Lewis 41 Quadrangle Weston 670

6) Well Operator CNX Gas Company LLC 7) Designated Agent Jeremy Jones  
Address P.O. Box 1248 Address P.O. Box 1248  
Jane Lew, WV 26378 Jane Lew, WV 26378

8) Oil and Gas Inspector to be notified Name Barry Stollings  
Address 601 57th Street SE  
Charleston, WV 25304  
9) Plugging Contractor Name Viking Well Service  
Address 8113 Sissonville Drive  
Sissonville, WV 25320

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

Received

AUG - 1 2013

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

Work order approved by inspector Barry Stollings Date 5-10-13

**Plugging Work Order for Permit 47-041-00955****WN 7077 (10389)**

1. Verify total depth of 4.5" csg. Bottom perf @ 1788'
2. Pump cement plug 1550' – TD
3. Displace with gell to 1550'
4. Free point and cut 4.5" csg and cut pipe above free point. (est.1350')
5. Pull one joint
6. Pump cement plug 1220' – 1320'
7. Displace with gell
8. Attempt to pull 8.625" casing. If unable to pull then perforate casing at 870', 500', 300'
9. Pump cement plugs 700' – 870'
10. Pump cement plugs 400' – 500'
11. Pump cement plugs 0' -300'
12. Install 7" x 4' monument with API 47-41-955

Work Order approved by inspector Benny Stalup Date 5-10-13**Note:** All cement will be Class A with 6% gell spacers between all plugs.

RECEIVED

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Office of Oil  
and Gas  
Dept. of Energy

WN 7077 (HOPE 10389)

PERMIT 47-41-955

ELEV. 1259'

WATER 820'  
NO COAL

8.625"

NO CEMENT

944

T.O.C. 1350' ?

4.5"

PERFS.

1757-1788

1852'

RECEIVED

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41 00955P

WW-4A  
Revised 6-07

1) Date: May 7, 2013  
2) Operator's Well Number  
7077

3) API Well No.: 47 - 041 - 00955

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

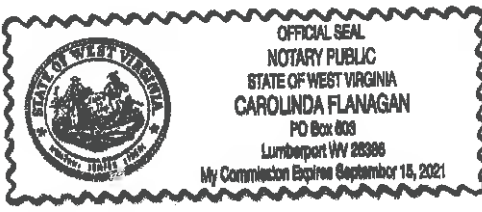
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Sauls Run Limited</u> ✓	Name <u>None of Declaration</u>
Address <u>P.O. Box 1234</u>	Address _____
<u>Weston, WV 26452</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector _____	(c) Coal Lessee with Declaration
Address _____	Name _____
_____	Address _____
Telephone _____	_____

**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: Jeremy Jones *[Signature]*  
 Its: General Manager WV Operations  
 Address P.O. Box 1248  
Jane Lew, WV 26378  
 Telephone 304 - 884 - 2000

Received

Subscribed and sworn before me this 29<sup>th</sup> day of JULY 2013  
*[Signature]* Notary Public  
 My Commission Expires 9/15/2021

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**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).

Office of Oil and Gas  
WV Dept. of Environmental Protection

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

API NUMBER 47- 041 - 00955 **P**

Operator's Well No. 7077

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 494495754

Watershed STONECOAL CREEK Quadrangle WESTON

Elevation 1252.56' County LEWIS District HACKERS CREEK

Description of anticipated Pit Waste: FLUIDS ASSOCIATED WITH THE PLUGGING OF EXISTING GAS WELLS

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

Will a synthetic liner be used in the pit? YES If so, what ml.? ~~10~~ 20 MIL.

Proposed Disposal Method For Treated Pit Wastes:

- X Land Application
- \_\_\_\_\_ Underground Injection (UIC Permit Number \_\_\_\_\_)
- \_\_\_\_\_ Reuse (at API Number \_\_\_\_\_)
- \_\_\_\_\_ Off Site Disposal (Supply for WW-9 for disposal location)
- \_\_\_\_\_ Other (Explain) \_\_\_\_\_

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. AIR

If oil based, what type? Synthetic, petroleum, etc. NOT OIL BASED

Additives to be used? NONE

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. LEAVE IN PIT

If left in pit and plan to solidify what medium will be used? Cement, lime, sawdust CEMENT

Landfill or offsite permit number? NONE

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 Division 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 

Company Official (Typed Name) JEREMY JONES

Company Official Title GENERAL MANAGER WV OPERATIONS - DESIGNATED AGENT

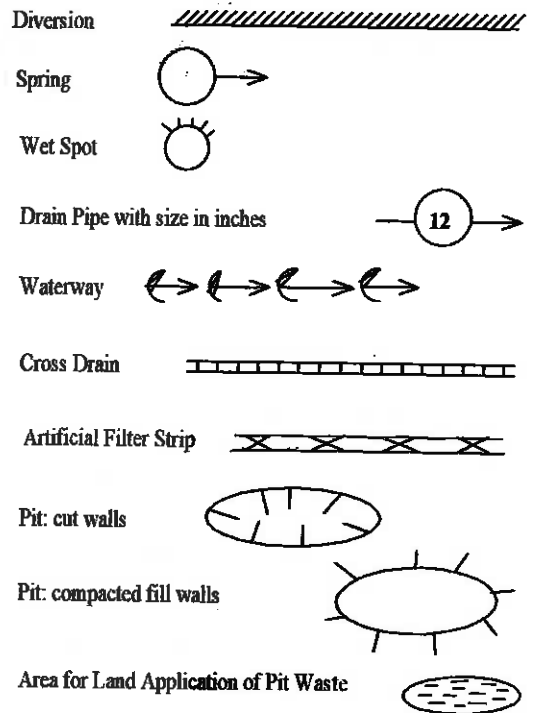
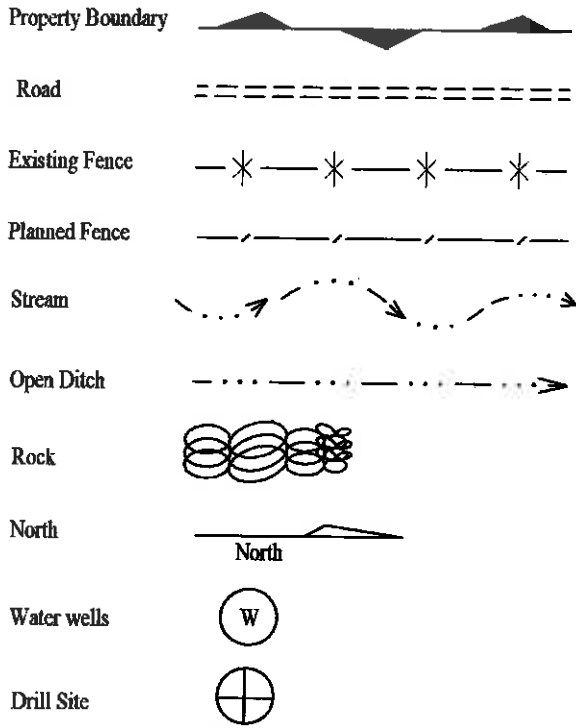
Subscribed and sworn before me this 29<sup>TH</sup> day of JULY, 20 13

 Notary Public

My commission expires 9/15/2021

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LEGEND



Proposed Revegetation Treatment: Acres Disturbed 2.50 Prevegetation pH 6.5  
 Lime according to pH test Tons/acre or 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
ORCHARDGRASS	25	ORCHARDGRASS	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.

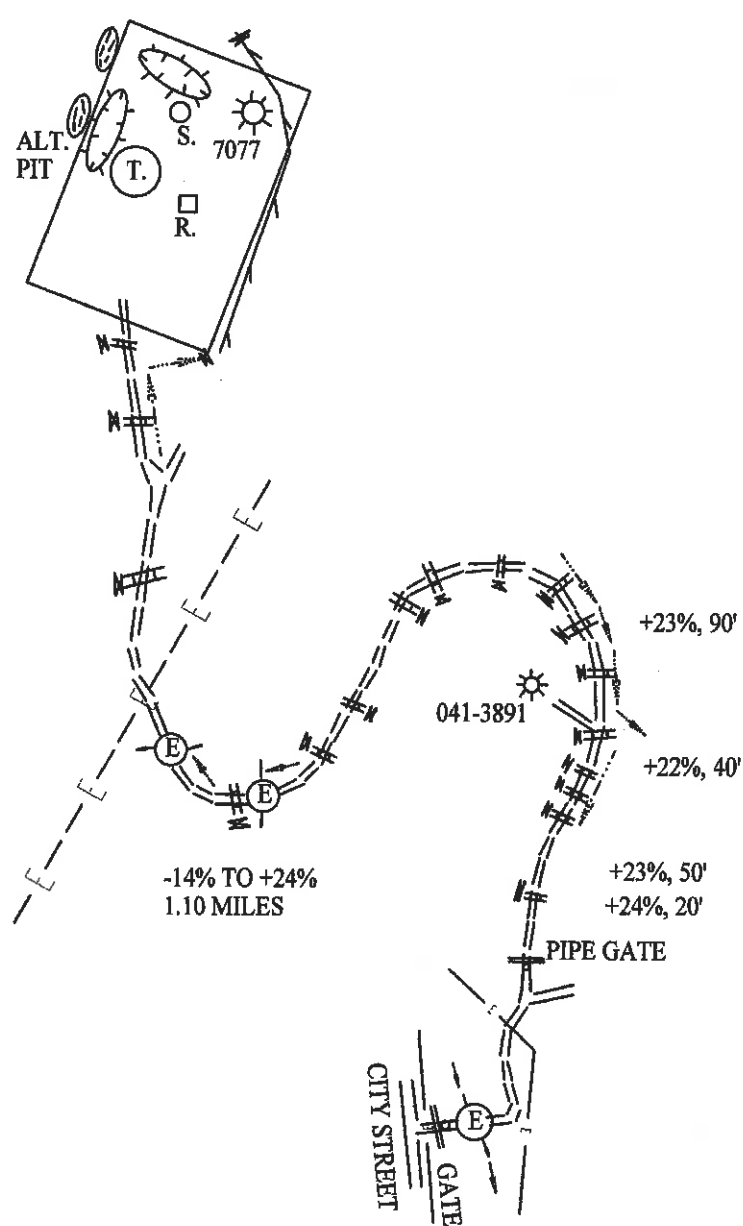
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Plan Approved by: Benny Stalling  
 Title: inspector  
 Date: 5-10-13  
 Field Reviewed? (  ) Yes (  ) No

Office of Civil and Environmental  
 WV Dept. of Environmental Protection





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

ALL GRADES OVER 20% ARE NOTED.

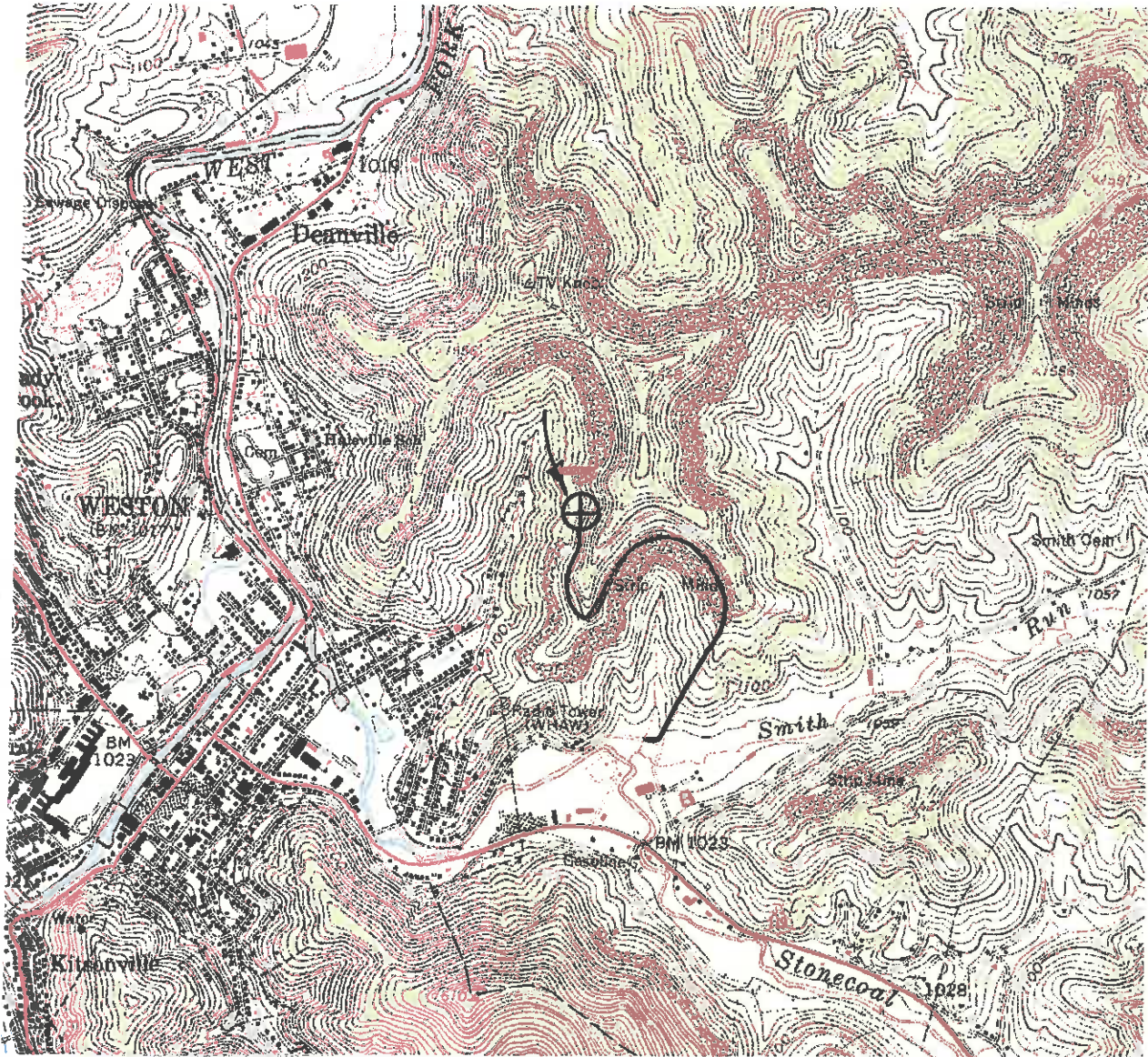
BS 5-10-13

DRAWINGS TO ACCOMPANY FORM WW-9	
CNX GAS COMPANY LLC	
P. O. BOX 1248	
JANE LEW, WV 26378	
WATERSHED:	STONECOAL CREEK
DISTRICT:	HACKERS CK. COUNTY: LEWIS
QUADRANGLE:	WESTON WELL NO.: 7077
DATE:	05/06/13 PAGE ___ of ___

**Received**  
AUG - 1 2013

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

Oil and Gas  
Production  
WW D



DRAWINGS TO ACCOMPANY FORM WW-9

CNX GAS COMPANY LLC

P. O. BOX 1248

JANE LEW, WV 26378

WATERSHED: STONECOAL CREEK

DISTRICT: HACKERS CK. COUNTY: LEWIS

QUADRANGLE: WESTON WELL NO.: 7077

DATE: 05/06/13 PAGE      of     

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 Office of Oil and Gas  
 Environmental Protection  
 WV Dept. of Environmental Protection

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

WW-7  
5-02



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

API: 47-041-00955 WELL NO.: 7077

FARM NAME: SALLY MCGARY

RESPONSIBLE PARTY NAME: CNX GAS COMPANY LLC

COUNTY: LEWIS DISTRICT: HACKERS CREEK

QUADRANGLE: WESTON 7.5 MIN.

SURFACE OWNER: SAULS RUN LTD.

ROYALTY OWNER: ELIZABETH SWITZER, ET. AL.

UTM GPS NORTHING: 4,322,108.11 METERS

UTM GPS EASTING: 547,493.72 METERS GPS ELEVATION: 381.78 METERS 1252.56 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

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

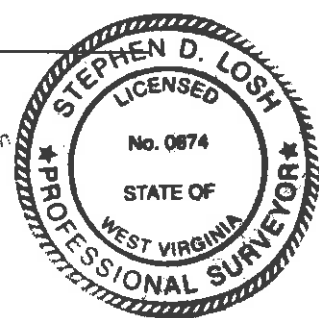
Title WV Professional Surveyor #674

Date 05/06/13

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Office of Oil and Gas  
WV Dept. of Environmental Protection



CNX USE: NAD 27 WV NORTH SPC: 7077 = 200,535.60' 1,729,798.19' ELEV. = 1,252.56'