



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

September 03, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4100404, 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: 10584 (G-47)
Farm Name: CAMDEN HEIRS
API Well Number: 47-4100404
Permit Type: Plugging
Date Issued: 09/03/2014

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.
4. This well is under a consent order and must be plugged under the terms of that agreement.

1) Date 8/7, 20 14
2) Operator's
Well No. 10584
3) API Well No. 47-041 - 00404

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 1208.48' Watershed Crooked Run
District Freemans Creek County Lewis Quadrangle Vadis

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 Barry Stollings Name See Attached
Address 28 Conifer Drive Address _____
Bridgeport, WV 26330

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 permit work can commence.

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Office of Oil and Gas

Work order approved by inspector Barry Stollings

Date 7-31-14
AUG 11 2014
WV Department of
Environmental Protection

ok

Plugging Work Order for Permit 47-041-00404

CNX Gas - Well 10584

1. Verify 4-1/2" casing TD, and swab well dry.
2. Free point and cut 4-1/2" at TOC (est. 1625'). Pull up 2 feet.
3. Pump cement plug from TD to surface using 4-1/2" in ~ 500' lifts.
4. TOH with 4-1/2" casing, and top off cement to surface.
5. Install 6" x 14' monument (10' below grade) API 47-041-00404

Work Order approved by Inspector Barry Stallop Date: 7-31-14

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

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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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WELL# 10584 Camden #2

API # 47-041-00404

Casing Info:

4 ½" to 1864' cemented with 25 sacks

Perfs:

Unknown not in well file

Coal:

None shown

Gas/Oil Shows:

None shown besides in the Big Injun

Comments:

The hole around the 4 ½" casing is currently there, the hole has been filled in on 2 occasions and it has disappeared.

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle _____

Permit No. _____

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Allegheny Land & Mineral Co.
Address Clarksburg, W. Va.
Farm Candon Heirs Acres 197.19
Location (waters) Crooked Run
Well No. A-47 Elev. 1208'
District Freemans Creek County Lewis
The surface of tract is owned in fee by B.R. Kraus
Alum Bridge Address W. Va.
Mineral rights are owned by Candon Heirs
Address _____

Drilling commenced July 17, 1959
Drilling completed Aug. 24, 1959
Date Shot _____ From _____ To _____
With _____

Open Flow 18 /10ths Water in 2" Inch
_____ /10ths Merc. in _____ Inch
Volume 179 M. Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.

WELL ACIDIZED _____

WELL FRACTURED 9/2/59 Dowell, 1500 gal acid, 50,000# sand, 500 bbl water

RESULT AFTER TREATMENT Tested with spring gauge, 8000 M.

ROCK PRESSURE AFTER TREATMENT 800#-12hrs.

Fresh Water 100' Feet Salt Water _____ Feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	232		Size of
8 1/4	980		
6 3/4	1595		Depth set
7 1/4 <u>49</u>	1864	<u>1864</u>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 49 SIZE 2500gn o. Ft. 8/25/59 Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
sand			0	75			
slate			75	110			
sand			110	125			
slate			125	150			
sand			150	225			
slate	white		225	240			
red rock			240	250			
slate			250	300			
red rock			300	325			
slate			325	350			
red rock			350	375			
sh to			375	490			
red rock			490	503			
slate			503	685			
sand			685	776			
slate	white		776	800			
slate & shells			800	860			
sand			860	895			
slate			895	904			
sand			904	980			
slate	black		980	999			
sand			999	1050			
slate			1050	1070			
sand			1070	1125			
slate			1125	1210			
sand			1210	1220			
shells			1220	1275			
sand			1275	1375			

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Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
slate & shells			1375	1390			
sand			1390	1415			
slate			1415	1440			
lime	dark		1440	1495			
slate	black		1495	1512			
lime	dark		1512	1552			
sand			1552	1570			
slate	white		1570	1590	1/244		
sand			1590	1600			
slate & shells			1600	1625			
lime	Little		1625	1645			
slate			1645	1665			
lime	Big		1665	1720			
sand	K.		1720	1730			
sand	I.		1730	1825	gas gas	1788-86 1736-1800	8/10/W/ 3/8" 28/10/W/ 1"
slate & shells			1825	1864			
Total Depth			1864				
				Final open flow		18/10/W/ 2" 179 H.	

Date Sept. 16, 1929

APPROVED Allegheny Land & Mineral Co., Owner

By Claron Dawson, Supt.
(Title)

41 00 40 4P

WW-4A
Revised 6-07

1) Date: 8/7/2014
2) Operator's Well Number
10584

3) API Well No.: 47 - 041 - 00404

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

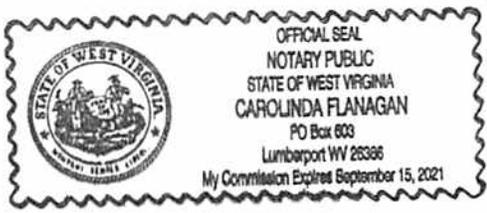
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Mike Ross, Inc.</u>	Name <u>None of Declaration</u>
Address <u>P.O. Box 219</u>	Address _____
<u>Coalton, WV 26257</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>William R. Stalnaker</u>
_____	Address <u>160 Stalnaker Estates</u>
_____	<u>Glennville, WV 26351</u>
(c) Name _____	Name <u>R.L. Roberts</u>
Address _____	Address <u>2871 WV Hwy SW</u>
_____	<u>Glennville, WV 26351</u>
6) Inspector <u>Barry Stollings</u>	(c) Coal Lessee with Declaration
Address <u>28 Conifer Drive</u>	Name <u>None of Declaration</u>
<u>Bridgeport, WV 26330</u>	Address _____
Telephone <u>304-552-4194</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
 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

Subscribed and sworn before me this 7TH day of AUGUST 2014
Carolinda Flanagan Notary Public
My Commission Expires 9/15/2021

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Office of Oil and Gas

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.

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WV Department of
Environmental Protection

41 00404 P

7013 1090 0001 6080 0376

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 8.03

Postmark Here

Sent To Mike Ross, Inc.
P.O. Box 219 ✓
Street, Apt. No., or PO Box No. Coalton, WV 26257
City, State, ZIP+4 P&A Well #10584
Surface Owner

PS Form 3800, August 2006 See Reverse for Instructions

7013 1090 0001 6080 0352

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 8.03

Postmark Here

Sent To William R. Stalnaker
160 Stalnaker Estates ✓
Street, Apt. No., or PO Box No. Glenville, WV 26351
City, State, ZIP+4 P&A Well #10584
Coal Owner

PS Form 3800, August 2006 See Reverse for Instructions

7013 1090 0001 6080 0369

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Return Receipt Fee (Endorsement Required)	270
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 8.03

Postmark Here

Sent To R.L. Roberts
2871 WV Hwy SW ✓
Street, Apt. No., or PO Box No. Glenville, WV 26351
City, State, ZIP+4 P&A Well #10584
Coal Owner

PS Form 3800, August 2006 See Reverse for Instructions

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AUG 11 2014
WV Department of Environmental Protection

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 Crooked Run Quadrangle Vadis

Elevation 1208.48' County Lewis District Freemans Creek

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

WELL EFFLUENT MUST BE CONTAINED
IN TANKS, OR A PROPERLY LINED ENTIRE
PIT. (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.

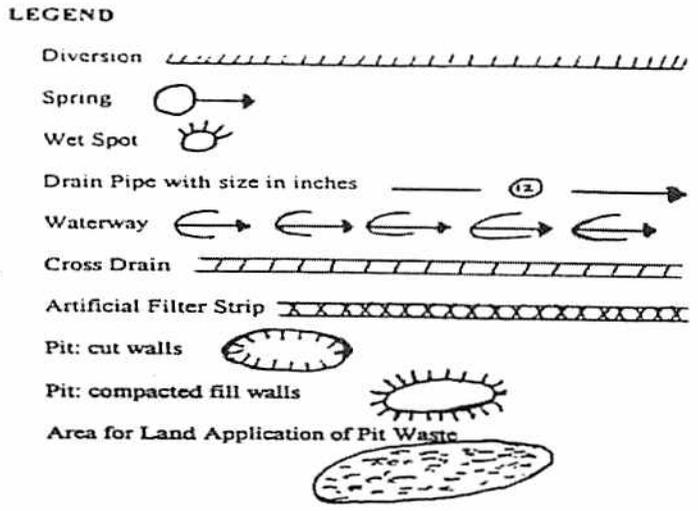
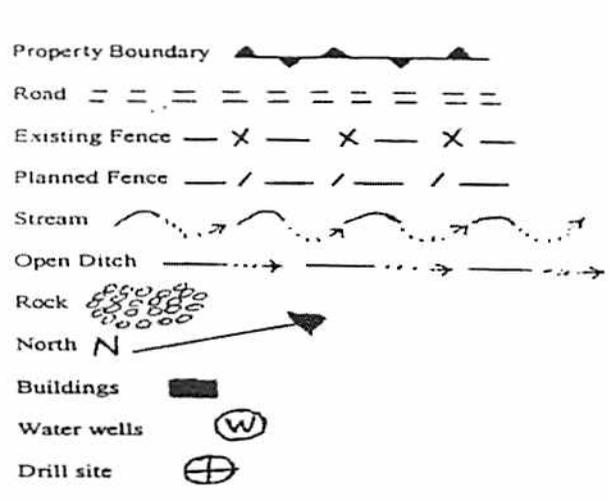
Company Official Signature *Matt Imrich*
Company Official (Typed Name) Matt Imrich
Company Official Title Designated Agent - District Operations Superintendent, WV Gas Operations

Subscribed and sworn before me this 7TH day of AUGUST, 20 14

Carolina Flanagan
My commission expires 9/15/2021

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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.

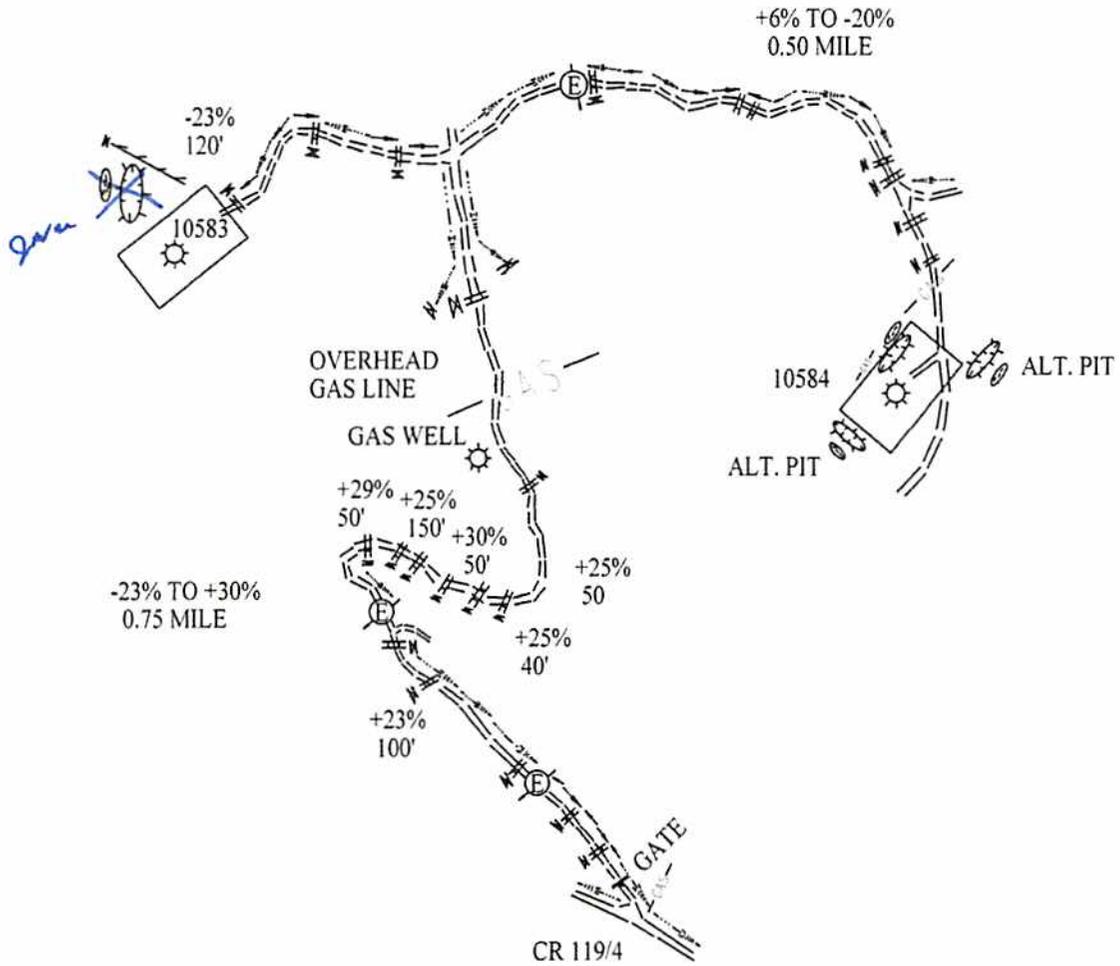
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Barry Shillings
 Comments: _____

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Title: inspector Date: 7-31-14 AUG 11 2014

Field Reviewed? Yes No

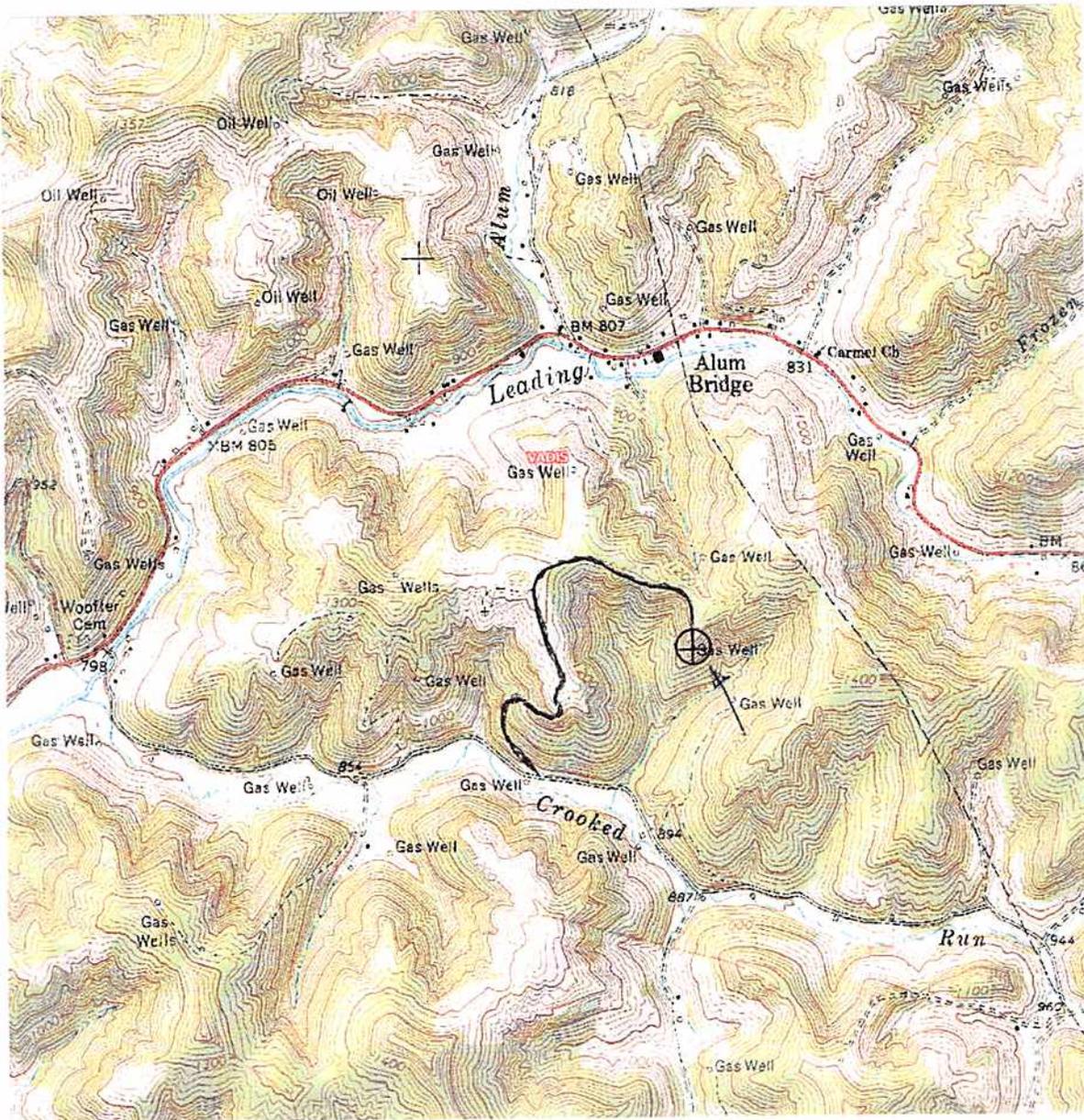


THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ACCESS IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

B.S 7-31-14

DRAWINGS TO ACCOMPANY FORM WW-9	
CNX GAS COMPANY LLC	
P. O. BOX 1248	
JANE LEW, WV 26378	
RECEIVED	
WATERSHED:	Office of Oil and Gas
DISTRICT:	FREEMANS CK AUG 11 2014 LEWIS COUNTY
QUADRANGLE:	WV Department of Environmental Protection 10584
DATE:	07/23/14 PAGE ___ of ___

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



B.S. 7-31-14

DRAWINGS TO ACCOMPANY FORM WW-9

CNX GAS COMPANY LLC

P. O. BOX 1248

JANE LEW, WV 26378

WATERSHED:

RECEIVED
CROOKED RUN
Office of Oil and Gas

DISTRICT: FREEMANS CK.

COUNTY: LEWIS

QUADRANGLE:

VADIS 10584

DATE:

07/23/14

WV Department of Environmental Protection
PAGE 1 of 1

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

4100204P

WW-7
5-02



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

API: 47-041-00404 WELL NO.: 10584
FARM NAME: CAMDEN HEIRS
RESPONSIBLE PARTY NAME: CNX GAS COMPANY LLC
COUNTY: LEWIS DISTRICT: FREEMANS CREEK 3
QUADRANGLE: VADIS 7.5 MIN. 647
SURFACE OWNER: MIKE ROSS, INC.
ROYALTY OWNER: WILLIAM R. STALNAKER, ET. AL.
UTM GPS NORTHING: 4,320,099.23 METERS
UTM GPS EASTING: 529,822.32 METERS GPS ELEVATION: 368.35 METERS (1208 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:

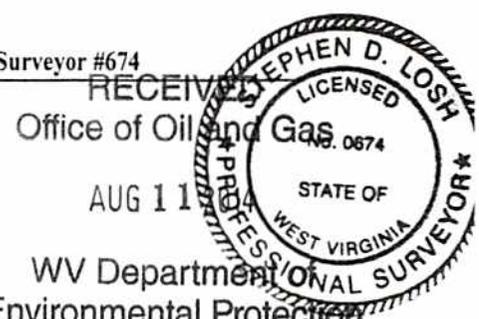
- 1. Datum: NAD 1983, Zone: 17 Coordinate Units: meters Altitude: Height above mean sea level (MSL) - meters
- 2. Accuracy to Datum - 3.05 meters
- 3. Data Collection Method: Survey Grade GPS : Post Processed Differential Real-Time Differential
Mapping Grade GPS : Post Processed Differential Real-Time 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 07/23/14



CNX USE: NAD 27 WV NORTH SPC: 10584 = 194,909.22' 1,671,698.34' ELEV. = 1208.48'

WV Department of Environmental Protection

4100404A



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



CK 2720022642
10000

August 7, 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: 10584

To Whom it May Concern,

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

- 10584 – API #47-041-00404

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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