



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. Huffinan, Cabinet Secretary
www.dep.wv.gov

August 22, 2014

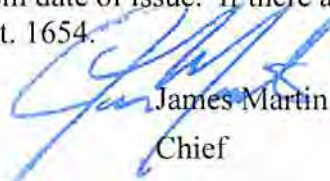
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4100400, 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: A-45
Farm Name: CAMDEN HEIRS
API Well Number: 47-4100400
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 8/7, 20 14
2) Operator's
Well No. 10583
3) API Well No. 47-041 - 00400

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 1265.86' 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 permitted work can commence.

Work order approved by inspector Barry Stollings

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Office of Oil and Gas
Date 7-31-14
AUG 11 2014

WV Department of Environmental Protection
08/22/2014

Plugging Work Order for Permit 47-041-00400

CNX Gas - Well 10583

1. Verify 4-1/2" casing TD, and swab well dry.
2. Free point and cut 4-1/2" at TOC (est. 1750'). 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 47-041-00400

Work Order approved by Inspector Benny 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
Glennville, WV 26351

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WELL# 10583 Camden #1

API # 47-041-00400

Casing Info:

6 5/8" down to 1529-shown in well records but I don't think it is still in the hole

4 1/2" to 1960' cemented with 20 sacks

Perfs:

Big Injun 1909-1914 and 1920-1931

Coal:

239-243'

Gas/Oil Shows:

1150'-Gas

1644'-Gas 8/10 in 1"

1692-97'-Gas 16/10 in 2"

1777'-Oil

Comments:

The picture with the well file was taken several years ago before it was filled in with stone.

Elevation 1250'

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle _____

Permit No. Low-400

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Allegheny Land & Mineral Co.
 Address Clarksburg, W. Va.
 Farm Camden Drs. Acres 197
 Location (waters) Crooked Run
 Well No. A-45 Elev. 12501
 District Frasera Creek County Lewis
 The surface of tract is owned in fee by Same
 Address _____
 Mineral rights are owned by Same
 Address _____
 Drilling commenced July 6, 1959
 Drilling completed Oct. 3, 1959
 Date Shot From _____ To _____
 With _____
 Open Flow 18/10ths Water in 2 (total) Inch
 _____/10ths Merc. in _____ Inch
 Volume 18611 Cu. Ft.
 Rock Pressure 460 lbs. 12 hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of _____
8 1/4	<u>1030</u>		
6 3/4	<u>1529</u>	<u>1929</u>	Depth set _____
<u>5 3/4</u>	<u>1960</u>	<u>1960</u>	
3			Perf. top <u>1909</u>
2			Perf. bottom <u>1916</u>
Liners Used			Perf. top <u>1920</u>
			Perf. bottom <u>1931</u>

CASING CEMENTED 4 1/2 SIZE 20 s. No. Ft. 10/5/59 Date

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

WELL FRACTURED 10/9/59, Dowell w/500 bbl water, 24,000 lbs. sand, 1000 gal acid.

RESULT AFTER TREATMENT 20% - 2" spring gauge
 ROCK PRESSURE AFTER TREATMENT 745 12 hrs. 765 24 hrs.
 Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red rock			0	12			
sand			12	25			
red rock			25	50			
slate			50	69			
sand			69	84			
slate			84	102			
red rock			102	125			
slate			125	150			
red rock			150	170			
slate			170	185			
red rock			185	210			
sand			210	239			
coal formation, dark			239	243		239 - 243'	
slate			243	275			
sand			275	325			
slate & shells			325	345			
red rock			345	436			
lime			436	445			
red rock			445	460			
slate			460	470			
red rock			470	495			
slate			495	515			
sand			515	545			
red rock			545	610			
slate & shells			610	700			
sand			700	740			
slate & shells			740	785			
sand			785	857			
slate & shells			857	918			

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Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
sand			918	930			
slate lime			930	1023			
sand			1023	1025	gas	1150	
slate			1225	1265			
sand			1265	1335			
slate & shells			1335	1375			
sand			1375	1539			
slate dark			1539	1555			
lime			1555	1575			
sand, salt			1575	1605			
slate & shells black			1605	1638			
sand			1638	1659	gas	1644	8/10 w 1"
red rock			1659	1664			
slate & shells			1664	1685			
sand N.			1685	1702	gas	1692-97	16/10 N, 2" 522 N,
little lime			1702	1748	oil	1777	show
slate break			1748	1756			
big lime			1756	1834			
sand in un			1834	1935	gas	1909-33	4/10 w-2"
slate shells			1935	1960			
Total depth			1960				
Left 14" cement in casing T.D.			1946				
<p>Note: Aug. 3, 59 well was shot w/10" gal. @ 1690'-1700'</p> <p>Tested after shot 20/10 n-2". R.P. 590-36 hrs.</p> <p>Oct. 1, 59 tested 1461. R.P. 290.</p>							

Beyond fractured

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08/22/2014

Date Oct. 10, 1959
APPROVED Allegheny Land & Mineral Co. Owner
By Claron Dawson, Mahons, W. Va.
(Title)

1100400 P

WW-4A
Revised 6-07

1) Date: 8/7/2014
2) Operator's Well Number
10583
3) API Well No.: 47 - 041 - 00400

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>Martin Francis Haydon II, Revocable Trust</u>	Name <u>None of Declaration</u>
Address <u>2047 Oakridge Drive</u>	Address _____
<u>Charleston, WV 25311</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</u>	Address _____
Telephone <u>304-552-4194</u>	_____

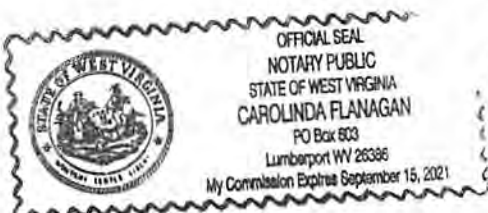
TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (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

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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Certified Fee		3.30
Return Receipt Fee (Endorsement Required)		2.70
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	8.03

THE LEW WV 26378
 AUG 7 2014
 Postmark Here
 UNITED STATES POSTAL SERVICE

Sent To Martin Francis Haydon II, Revocable Trust
 2047 Oakridge Drive
 Charleston, WV 25311 ✓
Street, Apt. No., or PO Box No.
 P&A Well #10583
City, State, ZIP+4 Surface Owner

PS Form 3800, August 2006 See Reverse for Instructions

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Certified Fee		3.30
Return Receipt Fee (Endorsement Required)		2.70
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	8.03

JANE LEW WV 26378
 AUG 7 2014
 Postmark Here
 UNITED STATES POSTAL SERVICE

Sent To William R. Stalnaker
 160 Stalnaker Estates
 Glenville, WV 26351 ✓
Street, Apt. No., or PO Box No.
 P&A Well #10583
City, State, ZIP+4 Coal Owner

PS Form 3800, August 2006 See Reverse for Instructions

7013 1090 0001 6080 0345

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Return Receipt Fee (Endorsement Required)		2.70
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	8.03

JANE LEW WV 26378
 AUG 7 2014
 Postmark Here
 UNITED STATES POSTAL SERVICE

Sent To R.L. Roberts
 2871 WV Hwy SW
 Glenville, WV 26351 ✓
Street, Apt. No., or PO Box No.
 P&A Well #10583
City, State, ZIP+4 Coal Owner

PS Form 3800, August 2006 See Reverse for Instructions

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08/22/2014

4100400 P

WW-9
Rev. 5/08

Page 1 of 2
API Number 47 - 041 - 00400
Operator's Well No. 10583

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 1265.86' 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 - YES 2014

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
- Swabbing
- Workover
- Plugging
- Other (Explain _____)

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.

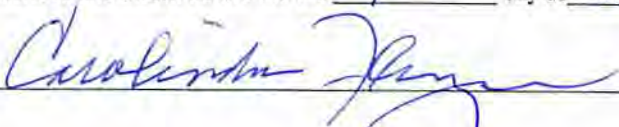
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is 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 

Company Official (Typed Name) Matt Imrich

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

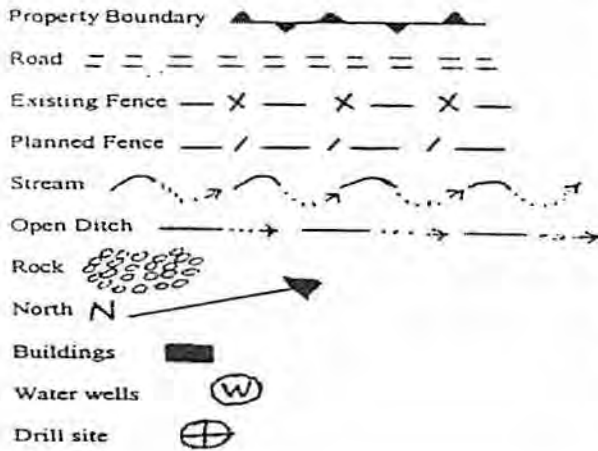
Subscribed and sworn before me this 7TH day of AUGUST, 2014


My commission expires 9/15/2021

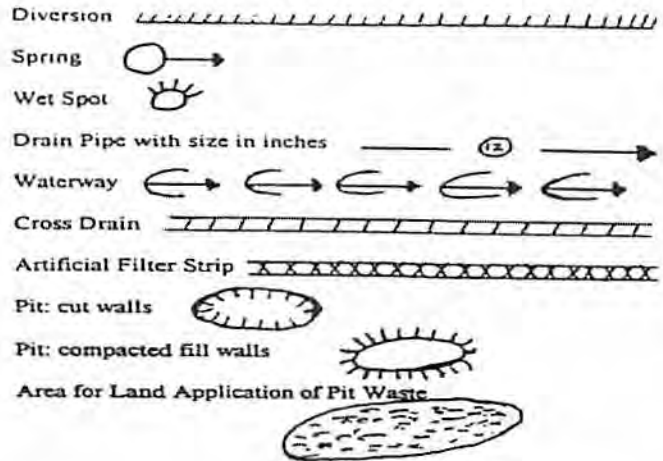
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Notary Public



Environmental Protection **08/22/2014**



LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1.33 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

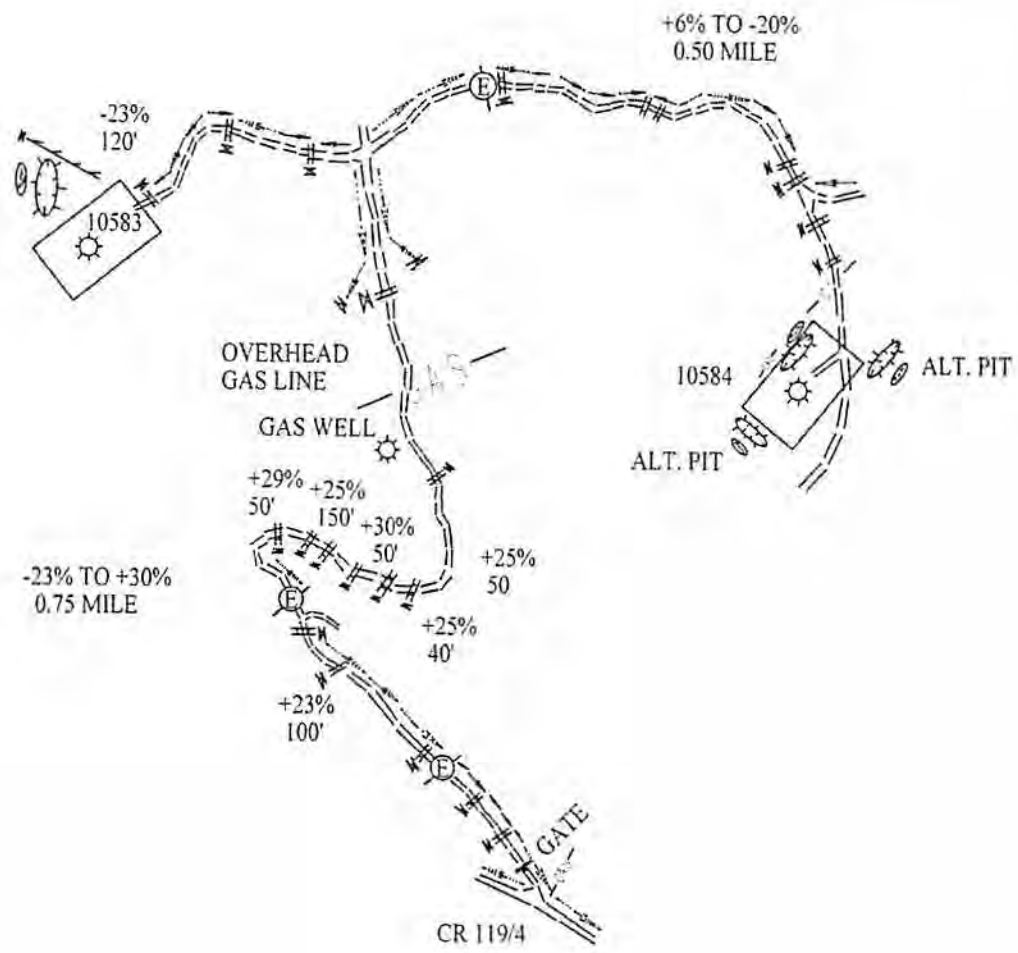
Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	25	Orchard Grass	25
Birdsfoot Trefoil	15	Birdsfoot Trefoil	15
Ladino Clover	10	Ladino Clover	10

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

Plan Approved by: Benny Shilps
 Comments: _____

Title: inspector Date: 7-31-14
 Field Reviewed? () Yes () No

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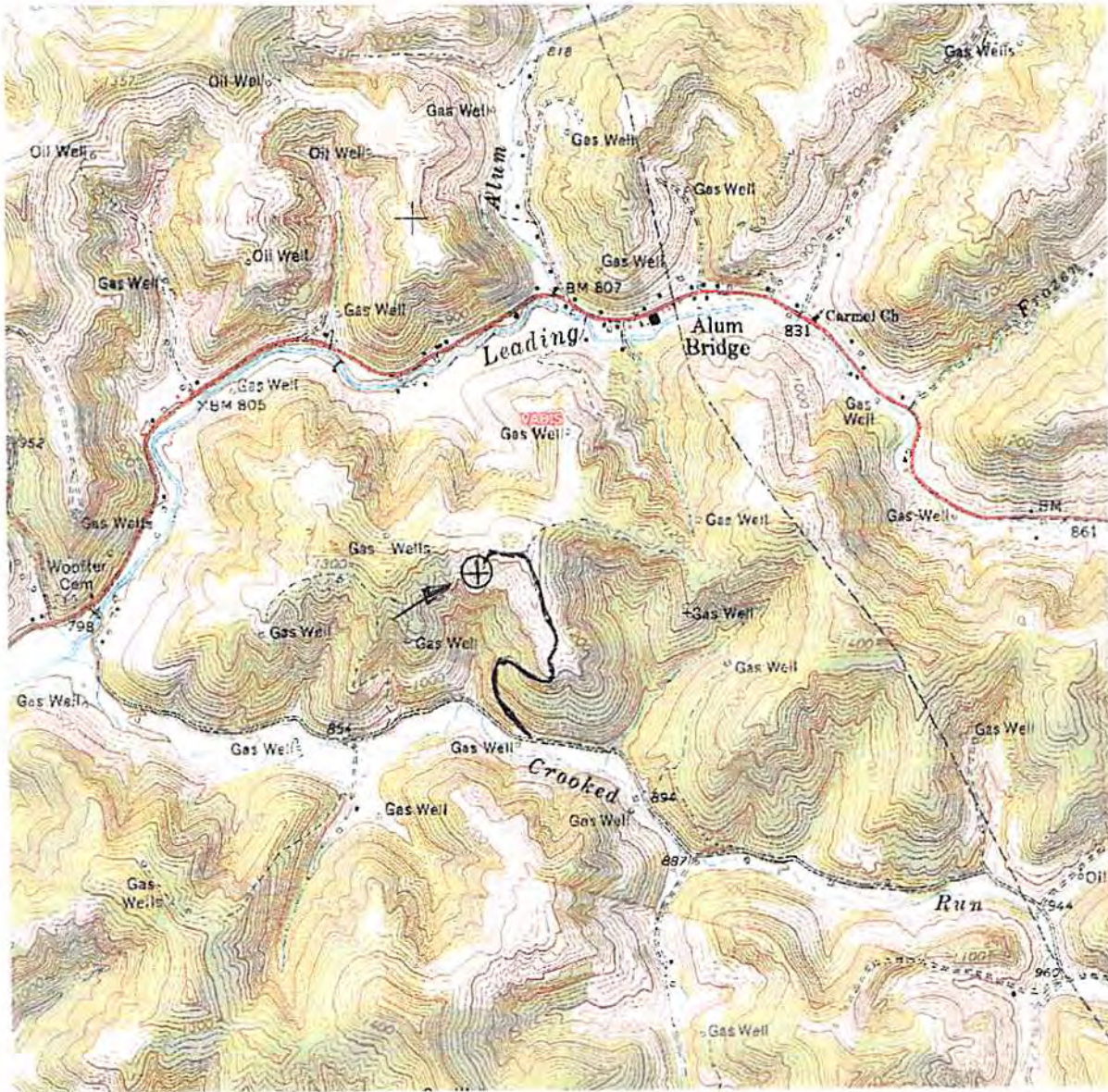
THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ACCESS IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

B.S 731-14

DRAWINGS TO ACCOMPANY FORM WW-9	
CNX GAS COMPANY LLC	
P. O. BOX 1248	
JANE LEW, WV 26378	
WATERSHED:	CROOKED RUN
DISTRICT:	FREEMANS CK. COUNTY: LEWIS
QUADRANGLE:	VADIS WELL NO.: 10583
DATE:	07/23/14

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

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 WV Department of Environmental Protection



B.S 7-31-14

DRAWINGS TO ACCOMPANY FORM WW-9

CNX GAS COMPANY LLC

P. O. BOX 1248

JANE LEW, WV 26378

WATERSHED: FROCK RIVER

Office of Oil and Gas

DISTRICT: FREEMANS CK. COUNTY: LEWIS

AUG 11 2014

QUADRANGLE: VADIS WELL NO.: 10583

DATE: 07/23/14 WV Department of Environmental Protection of PAGE of

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

41 00400P

WW-7
5-02



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

API: 47-041-00400 WELL NO.: 10583
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: MARTIN F. HAYDEN REV. TRUST
ROYALTY OWNER: WILLIAM R. STALNAKER, ET. AL.
UTM GPS NORTHING: 4,320,236.13 METERS
UTM GPS EASTING: 529,092.02 METERS GPS ELEVATION: 385.84 METERS 1265.6 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  Title WV Professional Surveyor #674
Stephen D. Losh, PS #674

Date 07/23/14



CNX USE: NAD 27 WV NORTH SPC: 10583 = 195,398.43' 1,669,309.27' ELEV. = 1265.86'

08/22/2014