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**west virginia** department of environmental protection

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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

November 04, 2013

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-1703231, 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: 10106 (GIBSON 1)  
Farm Name: FEELEY, DENISE A.  
**API Well Number: 47-1703231**  
**Permit Type: Plugging**  
Date Issued: 11/04/2013

**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

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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 October 8, 2013
- 2) Operator's  
Well No. 10106
- 3) API Well No. 47-017 - 03231

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

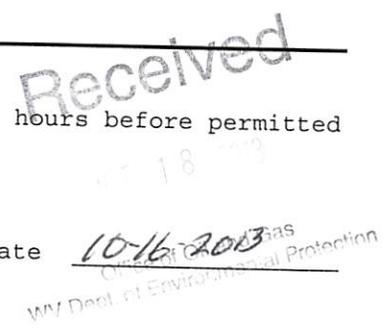
- 4) Well Type: Oil \_\_\_/ Gas X/ Liquid injection \_\_\_/ Waste disposal \_\_\_/  
(If "Gas, Production X or Underground storage \_\_\_) Deep \_\_\_/ Shallow X
- 5) Location: Elevation 980.16' Watershed Buffalo Calf Fork  
District Greenbrier 04 County Doddridge 1 Quadrangle Salem 596
- 6) Well Operator CNX Gas Company LLC 7) Designated Agent Jeremy Jones  
Address P.O. Box 1248 Address P.O. Box 1248  
Jane Lew, WV Jane Lew, WV
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Douglas Newlon Name See Attached  
Address 4060 Dutchman Road Address \_\_\_\_\_  
McFarlan, WV 26148

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 Douglas Newlon

Date 10-16-2013



# Plugging Plan

WN 10106

1. Verify total depth of 4.5" csg. Bottom perf @ 5486'
2. Pump cement plug 3200' - TD'
3. Displace with gell to 3200'
4. Free point and cut 4.5" csg and cut pipe above free point. (est. 2000') *or 3000'*
5. Pull one joint
6. Pump cement plug 1900' - 2000'
7. Displace with gell
8. Pull casing to 1492'
9. Pump cement plug 1392' - 1492'
10. Pull casing to 120'
11. Pump cement plug 0' - 120'
12. Install 7" x 4' monument with API 47-17-3231

*100' Cement Plug over elevation 1050' to 950' \**

★

100'	CEMENT	PLUG	FROM	2530' - 2430'	TO COVER OIL SHOW.
100'	CEMENT	PLUG	FROM	1300' - 1200'	TO COVER CORL.
100'	CEMENT	PLUG	FROM	750' - 650'	TO COVER CORL.

DCW  
10-16-2013

Received  
OCT 18 2013  
Office of Oil and Gas  
WV Dept. of Environmental Protection

1703231P

**Attachment – Form WW-4B for Well 10106:**

**Potential Plugging Contractors:**

Yost Drilling  
313 Steel Hill Rd.  
Mount Morris, PA 15349

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Viking Well Service  
8113 Sissonville Drive  
Sissonville, WV 25320

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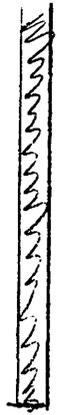
Coastal Drilling  
130 Meadow Ridge Rd, STE 24  
Mount Morris, PA 15349

Received

Office of Oil and Gas  
WV Dept. of Labor, Mine and Safety

WN 10106 GIBSON #1

PERMIT 47-17-3231  
ELEVATION 980'



WATER 1851'  
COAL 758, 1259

8.625"

1442

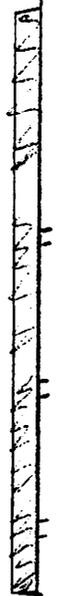
T.O.C. 2970'

Perks

3414 - 3490

4546 - 4570

5340 - 5417



4.5"

5486

Received



DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Cedar Creek	4,000#	80/100,	50,000#	20/40
	498 BBLs			
Bradford	3,000#	80/100,	30,000#	20/40
	335 BBLs			
Speechley	4,000#	80/100,	50,000#	20/40
	490 BBLs			

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Dirt			0	8	Set 30' 11 3/4 conductor
Sand & Shale			8	30	
Sand & Shale			30	116	
Red Rock & Sand & Shale			116	283	Water @ 13'
Red Rock			283	510	
Sand & Shale & Red Rock			510	758	
Coal			758	763	
Sand & Shale & Red Rock			763	926	Water @ 1851'
Coal			926	929	
Sand & Shale			929	1259	Oil @ 2530'
Coal			1259	1261	
Sand & Shale			1261	2016	Gas Ck @ 2173' No Show
Little Lime			2016	2030	Gas Ck @ 2490' No Show
Sand & Shale			2030	2051	Gas Ck @ 2772' No Show
Big Lime			2051	2137	Gas Ck @ 2865' No Show
Sand & Shale			2137	2142	-Small show of oil-
Big Injun			2142	2190	
Sand & Shale			2190	2732	
Thirty Foot			2732	2744	
Sand & Shale			2744	2867	
Gordon			2867	2914	
Sand & Shale			2914	5039	
Benson			5039	5058	
Sand & Shale			5058	5323	
Alexander			5323	5355	
Sand & Shale			5355	5500	
TD			5500		

Received

(Attach separate sheets as necessary)

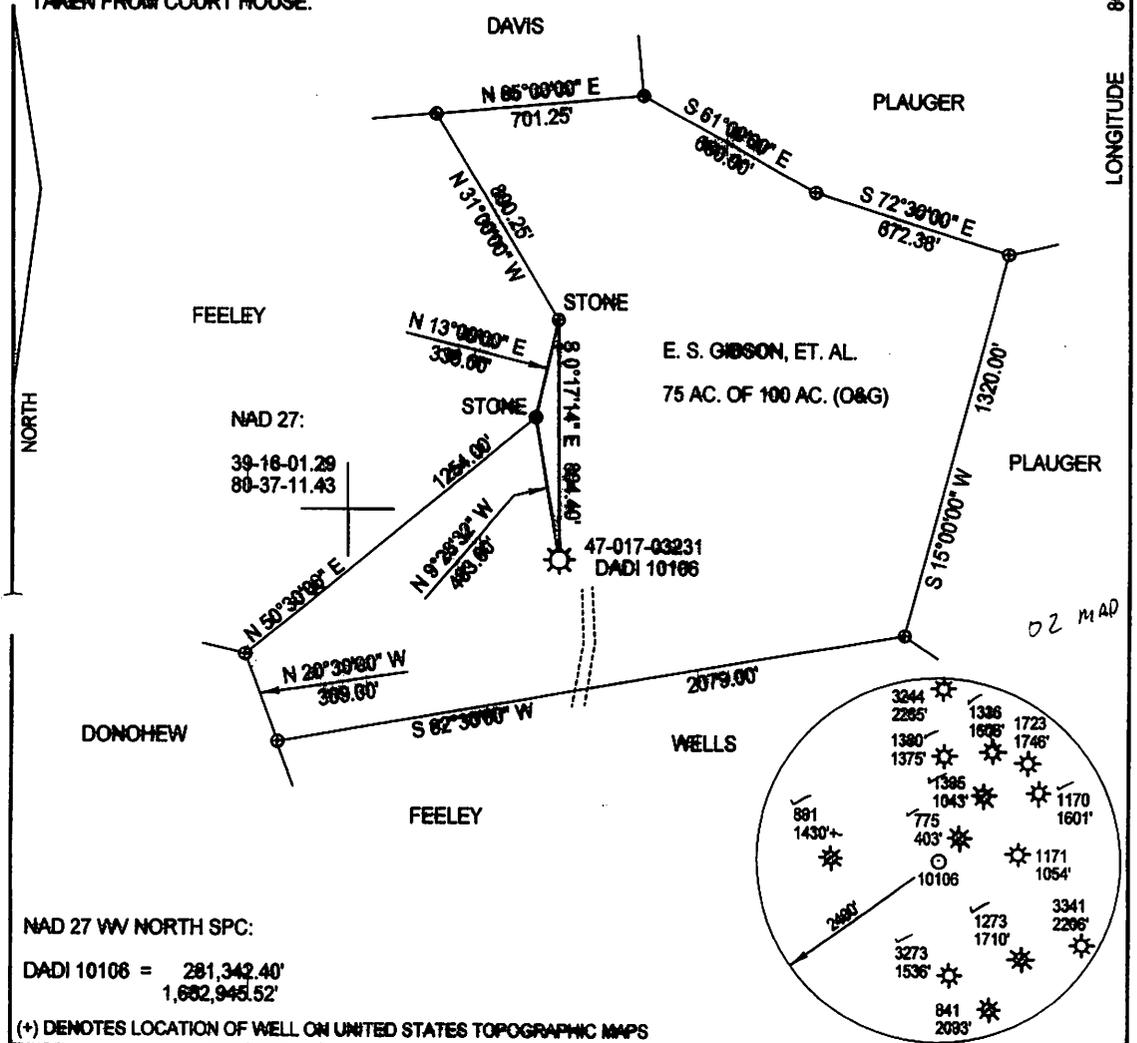
Chesterfield Energy Corporation  
Well Operator

By: *[Signature]* Office of Oil and Gas  
Date: July 7, 1983 WV Dept. of Environmental Protection

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ..., encountered in the drilling of a well."

NOTES: LATITUDE, LONGITUDE AND WELL TIES FROM DGPS SUBMETER SURVEY. CORNER TIES FROM PLAT DATED 08/04/03 FOR WELL 47-017-03231, PREPARED BY JOHN S. BAILEY, LLS #292. SURFACE, ADJONER AND BOUNDARY INFORMATION TAKEN FROM COURT HOUSE.

LATITUDE 39-17-30  
 SCALED COOR.:  
 8,845' SOUTH  
 10,445' WEST



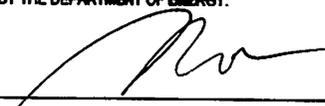
NAD 27:  
 39-18-01.29  
 80-37-11.43

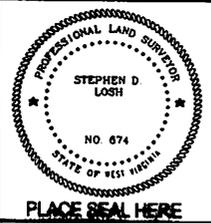
NAD 27 WW NORTH SPC:  
 DADI 10106 = 281,342.40'  
 1,682,945.52'

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER:  
 DRAWING NUMBER: DADI10106.PCS  
 SCALE: 1" = 500'  
 MINIMUM DEGREE OF ACCURACY: SUBMETER  
 PROVEN SOURCE OF ELEVATION: DGPS SURVEY  
SUBMETER SYSTEM

I THE UNDERSIGNED HEREBY STATE THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND OWNS ALL THE INTERESTS THEREIN. I AM A LICENSED LAND SURVEYOR ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

(SIGNED)   
 STEPHEN D. LOSH, P.S. #874



STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 #10 MILLIKEN ROAD  
 NITRO, WV 25143-2505

LAND SURVEYING SERVICES  
 21 CEDAR LAKE, BRIDGEPORT, WV 26308  
 PHONE: 304-642-2978 OR 642-5782

DATE: OCTOBER 14, 2006  
 OPERATORS WELL NO.: DADI 10106  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  CBM   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 989.18' WATERBORNED  BUFFALO CREEK FOREK  
 DISTRICT GREENBRIER COUNTY DOBBSBRIER

QUADRANGLE SALEM LEASE NUMBER DAD1007  
 SURFACE OWNER DEBBIE A. FEELEY ACREAGE 94.89  
 OIL & GAS ROYALTY OWNER E. S. GIBSON, ET. AL. LEASE ACREAGE 101.00

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION   
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE (SPECIFY) \_\_\_\_\_

TARGET FORMATION \_\_\_\_\_ PLUG & ABANDON  CLEAN OUT & REPLUG   
 ESTIMATED DEPTH \_\_\_\_\_

WELL OPERATOR DOMINION EXPLORATION & PRODUCTION, INC. DESIGNATED AGENT RODNEY BIGGS  
 ADDRESS P. O. BOX 1249 JANE LEW, WV 26028 ADDRESS P. O. BOX 1249 JANE LEW, WV 26028

COUNTY NAME  
 PERMIT

1703231P

WW-4A  
Revised 6-07

1) Date: October 8, 2013  
2) Operator's Well Number  
10106

3) API Well No.: 47 - 017 - 03231

**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>Denise A. Feeley</u>	Name <u>None of Declaration</u>
Address <u>4027 Greyston Drive</u>	Address _____
<u>Morgantown, WV 26508</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>None of Declaration</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Douglas Newlon</u>	(c) Coal Lessee with Declaration
Address <u>4060 Dutchman Road</u>	Name <u>None of Declaration</u>
<u>McFarlan, WV 26148</u>	Address _____
Telephone <u>304-932-8049</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

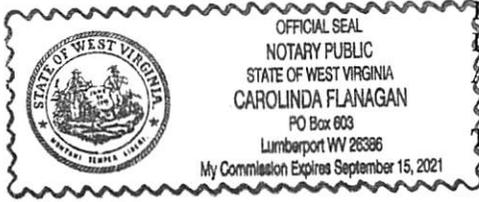
By: Jeremy Jones *[Signature]*

Its: Designated Agent - General Manager, 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 8th day of October 2013

*[Signature]* Notary Public

My Commission Expires 9/15/2021

**Received**

OCT 18 2013

**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  
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 Buffalo Calf Fork Quadrangle Salem

Elevation 980.16' County Doddridge District Greenbrier

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

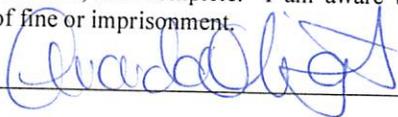
Proposed Disposal Method For Treated Pit Wastes:  
 Land Application  
 Underground Injection ( UIC Permit Number \_\_\_\_\_ )  
 Reuse ( at API Number \_\_\_\_\_ )  
 Off Site Disposal (Supply form WW-9 for disposal location)  
 Other (Explain \_\_\_\_\_)

*DCW  
10-16-2013*

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.

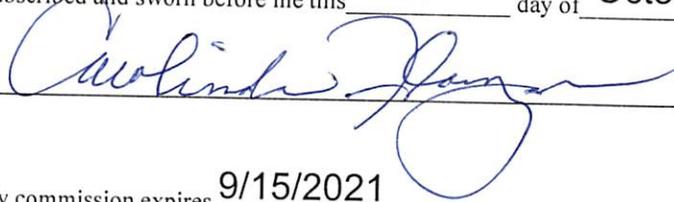
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is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

Company Official Title Designated Agent - General Manager WV Gas Operations

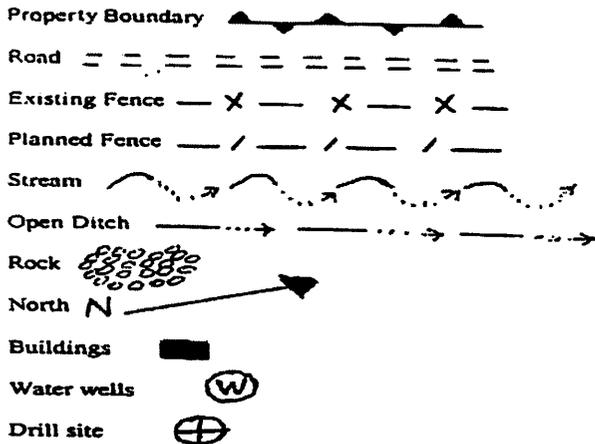
Subscribed and sworn before me this 10th day of October, 2013

 Notary Public

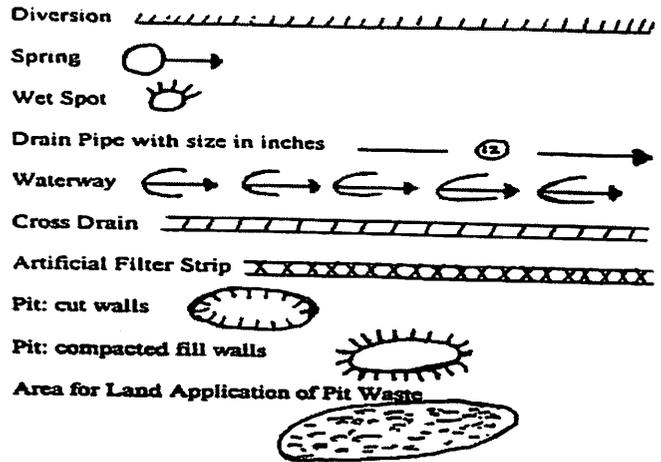
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OCT 18 2013

My commission expires 9/15/2021



LEGEND



Proposed Revegetation Treatment: Acres Disturbed .50 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
Orchard Grass	25
Birdsfoot Trefoil	15
Ladino Clover	10

Seed Type	Area II lbs/acre
Orchard Grass	25
Birdsfoot Trefoil	15
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: Douglas Newton

Comments: install 6x6 & reclaim to WV Dep regulations

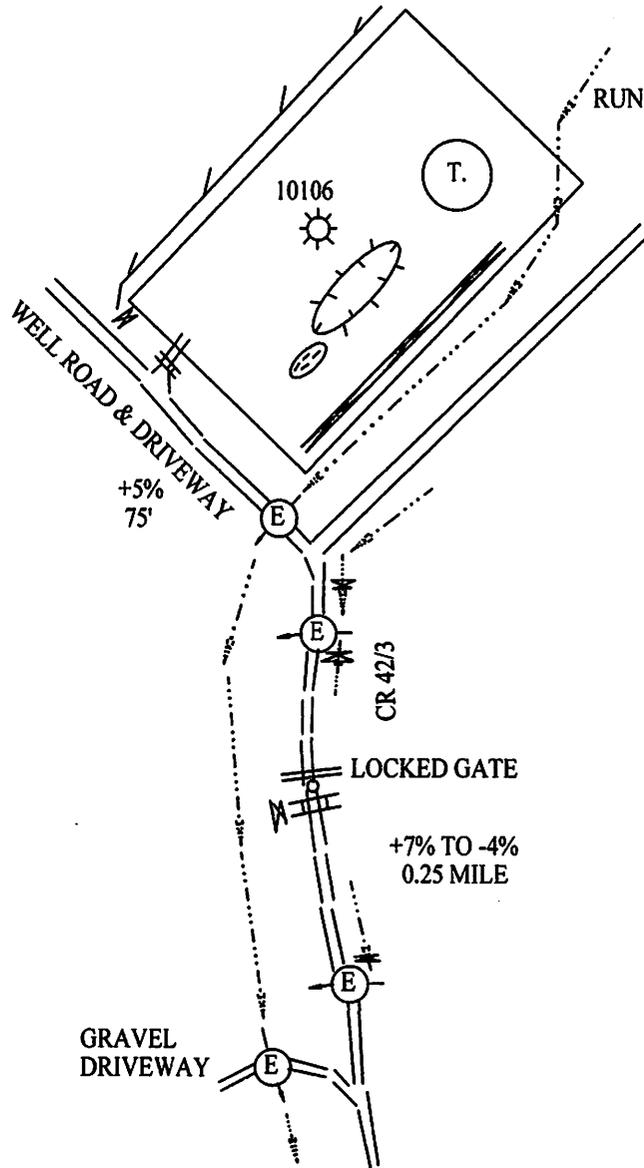
Title: Oil & Gas inspection

Date: 10-16-2013

Field Reviewed?  Yes  No

Received

OCT 18 2013



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

ADDITIONAL PIT(S) 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	
P. O. BOX 1248	
JANE LEW, WV 26378	
WATERSHED:	BUFFALO CREEK
DISTRICT:	GREENBRIER
COUNTY:	DODDRIDGE
QUADRANGLE:	SALEM
WELL NO.:	10106
DATE:	05/20/13
PAGE	of

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WV Dept. of Environmental Protection

1703231P



DRAWINGS TO ACCOMPANY FORM WW-9

CNX GAS COMPANY LLC

P. O. BOX 1248

JANE LEW, WV 26378

WATERSHED: BUFFALO Calf FORK

DISTRICT: GREENBRIER COUNTY: DODDRIDGE

QUADRANGLE: SALEM WELL NO.: 10106

DATE: 05/20/13 PAGE of

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OCT 18 2013

Office of Oil and Gas  
Environmental Protection

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

1703231P

WW-7  
5-02



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

API: 47-017-03231 WELL NO.: 10106

FARM NAME: E. S. GIBSON

RESPONSIBLE PARTY NAME: CNX GAS COMPANY LLC

COUNTY: DODDRIDGE DISTRICT: GREENBRIER

QUADRANGLE: SALEM 7.5 MIN.

SURFACE OWNER: DENISE A. FEELEY 4027 GREYSTONE DR., MORGANTOWN, WV 26508

ROYALTY OWNER: RUBY HOSKINSON, ET. AL.

UTM GPS NORTHING: 4,346,487.95 METERS

UTM GPS EASTING: 532,809.84 METERS GPS ELEVATION: 298.75 METERS 980.16 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  
Office of Oil and Gas  
WV Dept. of Environmental Protection

Date 05/20/13

Received  
OCT 18 2013



CNX USE: NAD 27 WV NORTH SPC: 10106 = 281,342.40' 1,682,945.52' ELEV. = 980.16'

## LAND SURVEYING SERVICES

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Stephen D. Losh, PS J. Michael Evans, PS 21 Cedar Lane Bridgeport, WV 26330  
Phone & Fax (304) 842-2018 E-mail: sdlosh@frontier.com

May 20, 2013

### DRIVING DIRECTIONS FOR CNX 10106

Traveling south from Salem towards Miletus on Harrison Co. Rt. 29, turn right on Co. Rt. 29/1 (Buffalo Calf Road). Go 3.95 miles and turn right on Co. Rt. 42/3. Go 0.50 of a mile up the hollow to the forks in the road. Go left and the well sits by the road immediately on the right.

Nearest Fire Station: Salem

Received

OCT 18 2013

Office of Oil and Gas  
WV Dept. of Environmental Protection



Carolinda Flanagan  
Permitting Analyst  
P.O. Box 1248  
Jane Lew, WV 26378  
(304) 884-2057



October 14, 2013

Denise A. Feeley  
4027 Greyston Drive  
Morgantown, WV 26508

**Re: Well # 10106; API # 47-017-03231  
Greenbrier District, Doddridge County**

To Whom It May Concern:

CNX Gas Company LLC is in the process of applying for a permit to **Plug** a well on the above noted lease of which you are the Surface/Coal Owner.

Enclosed are copies of the Notice and Application, Permit and the Location Plat.

Please note the instructions on the Surface/Coal Owner Waiver form. If you have no objection to the **Plugging** being done, please follow instructions as they are given, sign and date the waiver and return it to us in the self addressed envelope.

Sincerely,

A handwritten signature in black ink that reads 'Carolinda Flanagan'. The signature is fluid and cursive, with a large loop at the end.

Carolinda Flanagan

Received

10/14/13

Enclosures

Office of Oil and Gas  
WV Dept. of Environmental Protection

1703231P



CNX Land Resources LLC  
P.O. Box 1248  
Jane Lew, WV 26378

office: 304/884-2166  
mobile: 304/627-4546

David M. Yazvac, P.S.  
Land Agent

October 15, 2013

Mr. Robert Feeley  
4027 Greystone Drive  
Morgantown, WV 26508

RE: CONSOL Well 10106

Dear Mr. Feeley,

As per our telephone conversation concerning plugging operations of well 10106, API 47-017-03231, located on your property in Doddridge County, West Virginia, CNX Gas Company LLC will grade area disturbed by plugging operations, and fertilize, seed and mulch as per the included Form WW-9.

Thank you. If you have any questions, please contact me at 304-884-2166 or 304-641-1629.

Sincerely,

CNX Land Resources

A handwritten signature in black ink, appearing to read 'David M. Yazvac'.

David M. Yazvac

Received

OCT 18 2013

Office of Oil and Gas  
WV Dept. of Environmental Protection