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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

September 03, 2014

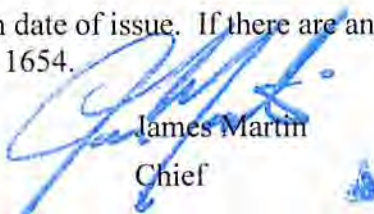
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-4100492, 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: 10591 (G-76)  
Farm Name: MALLOW-DENNISON  
**API Well Number: 47-4100492**  
**Permit Type: Plugging**  
Date Issued: 09/03/2014

**WELL PLUGGING INSPECTION & RELEASE FORM**

PLUGGING COMMENCED \_\_\_\_\_ OPERATOR: CNX GAS COMPANY LLC  
 PLUGGING COMPLETED \_\_\_\_\_ FARM: MALLOW-DENNISON  
 VERBAL PERMISSION ON \_\_\_\_\_ WELL No: 10591 (G-76)

1. IS COAL BEING MINED IN THE AREA?
2. WERE CEMENT AND GEL MIXED AND USED IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS?

A. BOTTOM HOLE PLUGGED	YES	NO	N/A
B. 100' PLUGS	YES	NO	N/A
C. LATEX PLUGS USED FOR H2S GAS	YES	NO	N/A
D. PROPER PLUGS THROUGH COAL SEAMS	YES	NO	N/A
E. PROPER PLUGS SET TO PROTECT FRESHWATER	YES	NO	N/A
F. PROPER AMOUNT OF GEL USED TO DISPLACE PLUGS	YES	NO	N/A

TYPE	FROM	TO	PIPE REMOVED
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

3. WERE ALL CHANGES APPROVED BY INSPECTOR? YES NO
4. WAS THE EQUIPMENT USED FOR PULLING CASTING PROPERLY SIZED AND RIGGED TO PULL 150% OF THE HEAVIEST STRING OF PIPE EXPECTED TO BE PULLED? YES NO
5. DID THE OPERATOR GIVE THE INSPECTOR PROPER NOTICE? YES NO
6. WERE ACCURATE PLUGGING RECORDS KEPT BY THE OPERATOR? YES NO
7. WAS A PROPER MONUMENT SET WITH API NUMBER ATTACHED? YES NO
8. DID WELL SITE AND ACCESS ROAD MEET THE FOLLOWING RECLAMATION REQUIREMENTS?
 

A. RECLAIMED	YES	NO	B. FENCES REPLACED	YES	NO
C. MULCHED	YES	NO	D. PROPER DRAINAGE	YES	NO
E. SEEDED	YES	NO	F. ALL EQUIPMENT REMOVED	YES	NO
G. PIT BACKFILLED	YES	NO			

\_\_\_\_\_  
DATE RELEASED

\_\_\_\_\_  
INSPECTOR'S SIGNATURE

**RECORD ALL VISITS TO THIS WELL ON PAGE 2**



I  
Now

\* On Agreed Order \*

Operator: CNX GAS COMPANY LLC  
 API: 4100492  
 WELL No: G-76  
 Reviewed by: g. m. m. Date: 9/2/14  
 05 Day End of Comment: 8/9/14

### CHECKLIST FOR FILING A PERMIT

#### Plugging

CK# 2720022645

- WW-4B
- Inspector signature on WW-4B
- Completion / Well Records of Previous Work
- WW-4A (Notarized)
- Certified Mail Receipts, Waivers, or Affidavits of Personal Service
- Surface Owner Waiver
- Coal Owner / Lessee / Operator Waiver
- WW-9 (Page 1) (Notarized)
- Inspector Signature on WW-9 (Optional)
- Topographic Map of location of well
- WW-7

#### OR

- Mylar Plat (Surface owner on plat matches WW-4A)
- Bond
- Company is Registered with the SOS
- Worker's Compensation / Unemployment Insurance account is OK
- \$100.00 check (\$0.00 if no pit)

## 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.
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. 10591  
3) API Well No. 47-041 - 00492

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 973.29' Watershed Leading Creek  
District Freemans Creek County Lewis Quadrangle Camden

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.

RECEIVED  
Office of Oil and Gas

Work order approved by inspector Barry Stollings

Date AUG 11 2014  
7-31-14

WV Department of  
Environmental Protection

4100492P

# Plugging Work Order for Permit 47-041-00492

## CNX Gas - Well 10591

1. Verify 5-1/2" casing TD, and swab well dry.
2. Free point and cut 5-1/2" at TOC (est. 1350'). Pull up 2 feet.
3. Pump cement plug from TD to surface using 5-1/2" in ~ 500' lifts.
4. TOH with 5-1/2" casing, and top off cement to surface.
5. Install 6" x 14' monument (10' below grade) API 47-041-00492

Work Order approved by Inspector Bruce Stille Date: 7-31-14

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

RECEIVED  
Office of Oil and Gas  
AUG 11 2014  
WV Department of  
Environmental Protection  
09/05/2014

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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Office of Oil and Gas

AUG 11 2014

WV Department of  
Environmental Protection

09/05/2014



4100492P



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Quadrangle \_\_\_\_\_

Permit No. Law-192

Oil or Gas Well Gas (KIND)

Company Allegheny Land & Mineral Co.  
Address Clarksburg, W. Va.  
Farm F. Werts Acres 86.25  
Location (waters) Leading Creek  
Well No. A-78 Elev. 1427 943  
District Freemans Creek County Lewis  
The surface of tract is owned in fee by Frank Werts  
Condon, W. Va. Address \_\_\_\_\_  
Mineral rights are owned by Genevieve Malloy  
Weston, W. Va. Address \_\_\_\_\_  
Drilling commenced Apr 12, 1960  
Drilling completed May 5, 1960  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
Vith \_\_\_\_\_  
Open Flow 39 10ths Water in 2 Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 249 mcf. \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	<u>21' casing.</u>		
13			
10			Size of _____
8 1/4	<u>405</u>		
6 3/4			Depth set
5 3/16	<u>7634</u>	<u>7634</u>	
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 5 1/2 SIZE 50 annulus 5/6/60 Date

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

WELL FRACTURED no frac. 5/28/60 Dowell, Divor frac w/500 bbls. water, sand, acid.

RESULT AFTER TREATMENT 60/10/w/2" 327 mcf.  
ROCK PRESSURE AFTER TREATMENT 520 42 hrs.  
Fresh Water hole full Feet 50 Salt Water \_\_\_\_\_ Feet \_\_\_\_\_

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	20			
gravel			20	28			
red rock			28	35			
blue r.			35	53	water	50'	hole full
slate			55	73			
red r.			75	85			
slate			85	112			
red r.			112	120			
slate			120	130			
red r.			130	150			
lime shell			150	180			
sand			180	194			
slate			194	210			
red r.			210	215			
slate			215	225			
red r.			225	250			
slate			250	363			
sand			363	384			
slate			384	470			
sand			470	515			
lime			515	525			
slate & s.			525	724			
salt sand 1st.			724	875	gas	862-74	09/05/2014 small amt. no test.
slate			875	935			
2nd. salt s.			935	958			
slate			958	985			
salt s. 3rd.			985	1020			

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
slate			1020	1065			
sand waxon			1065	1205	gas	1067-72	show
slate bl.			1105	1200			
slate & shells			1206	1269			
gritty lime			1269	1287			
red rock shells			1287	1350			
slate & shells			1350	1386			
little lime			1386	1400			
slate			1400	1431			
pencil cave			1431	1438			
big lime			1438	1500			
kenner sand			1500	1550	gas	1511-24	35/10/w/2" 249 sec.
Injun sand			1550	1606			
slate			1606	1633			
Total depth			1633'				
			Perforated cog by Birdwell @ 1557			to 1500	w/27 5/8 holes
						1591 to 1598	w/21 5/8 holes
			Well fractured 5/20/60				
			R.P. after perforated		500	14 hrs.	
			after frac.		520	42 hrs.	

RECEIVED  
Office of Oil and Gas  
AUG 11 2014  
WV Department of  
Environmental Protection

09/05/2014

Date June 5, 1960  
APPROVED Allegheny Land & Mineral Co., Owner  
By Claron Dawson, Hubers, W. Va.  
(Title)

4100492P

EQUIPMENT  
AND  
MATERIAL

Sept. 21, 1960

Well # A-76

FARM NAME F Mertz (Malloy)

COUNTY \_\_\_\_\_

Casing Size 16" Feet 21 Size 5 1/2" Feet 1634

Centralizers No. 2 Size 5 1/2"

Coupling No. 1 Size 5 1/2"

Casg. Shoe No. \_\_\_\_\_ Size \_\_\_\_\_

Casg. Float Shoe No. \_\_\_\_\_ Size \_\_\_\_\_

Packer Size \_\_\_\_\_ Type \_\_\_\_\_

Tubing Size \_\_\_\_\_ Feet \_\_\_\_\_

Rods Feet \_\_\_\_\_

P. Barrel Length \_\_\_\_\_ S. Valve \_\_\_\_\_ T. Valve \_\_\_\_\_

Nipple Size \_\_\_\_\_ Feet \_\_\_\_\_

Casg. Clamps Size \_\_\_\_\_ Size \_\_\_\_\_ Bolts \_\_\_\_\_

Pumping Unit Type \_\_\_\_\_

Polish Rod \_\_\_\_\_ Stuffing Box \_\_\_\_\_

Polish Rod Clamps \_\_\_\_\_

B. Head Size 1 Swage Size 5 1/2" x 2"

Valves Plug No. 1 Size 2" -- 500#

Clip Gates No. 1 Size 2"

Separators Type New Westerman

Tanks No. \_\_\_\_\_ Size \_\_\_\_\_

Line Pipe Size 1 1/2" Feet 2650  
2" 26

Stops No. 1 Size 1"  
No. 1 Size 1/2"

Checks No. \_\_\_\_\_ Size \_\_\_\_\_

Nipples No. 5 Size 2"  
NO. \_\_\_\_\_ Size \_\_\_\_\_

Tees No. 2 Size 2"  
No. \_\_\_\_\_ Size \_\_\_\_\_

Unions No. 1 Size 1 1/2"  
No. 2 Size 2"

Ells No. 4 Size 2"

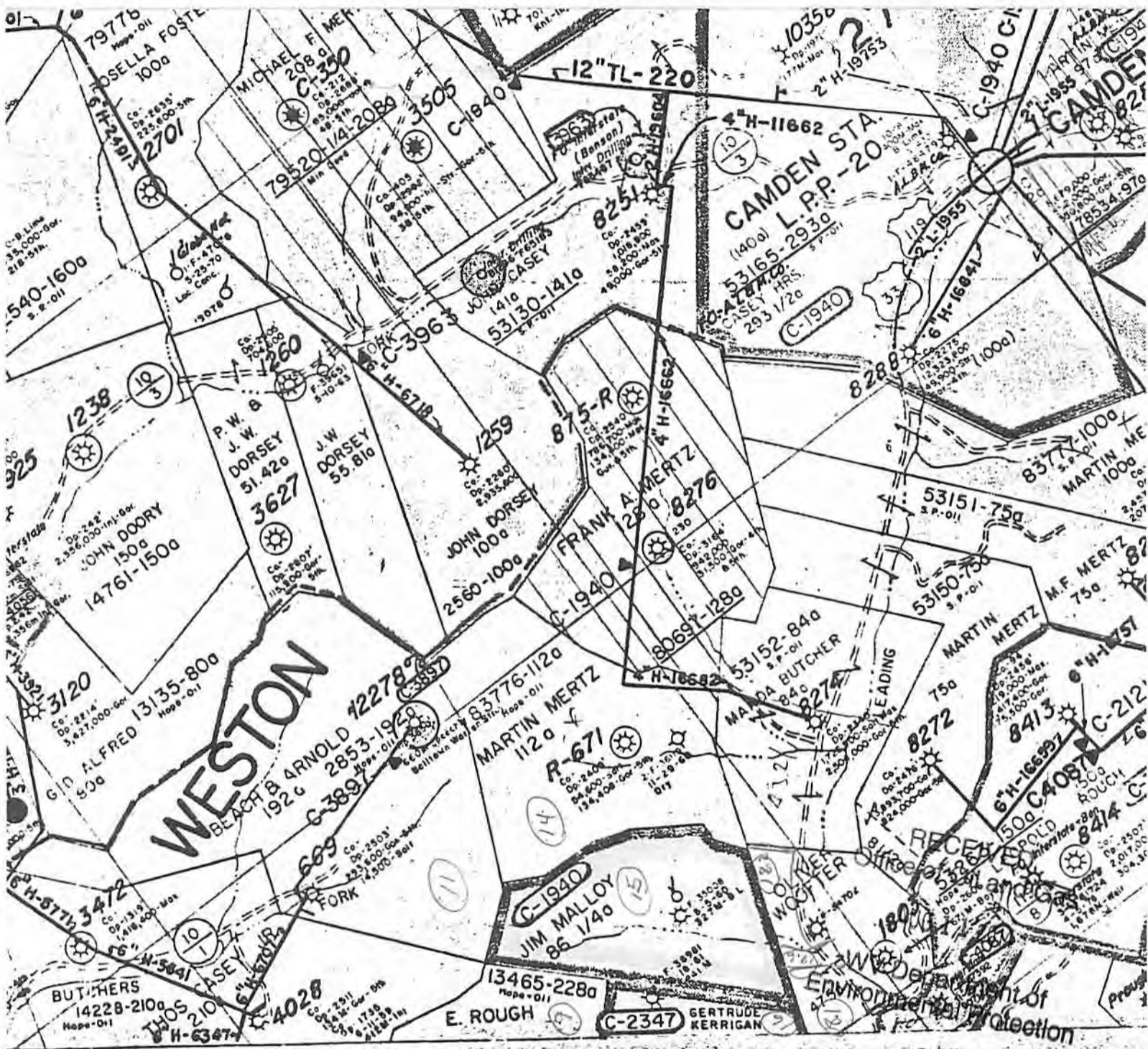
St. Ells No. 7 Size 2"

~~Reducers~~ & Reducers No. 2 Size 2" x 1 1/2"  
1 2" x 1 1/2"

Plugs No. 1 Size 2"  
No. 1 Size 1"  
1 1/2"

Remarks: 1 ----- 7" Drip

09/05/2014



WW-4A  
Revised 6-07

1) Date: 8/7/2014  
2) Operator's Well Number 10591  
3) API Well No.: 47 - 041 - 00492

**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>Ada B. &amp; Charles T. Raines</u>	Name <u>None of Declaration</u>
Address <u>618 Frozen Lick Road</u>	Address _____
<u>Camden, WV 26338</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Lisa Marie McClain</u>
_____	Address <u>7495 US Hwy 33 W</u>
_____	<u>Camden, WV 26338</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
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.

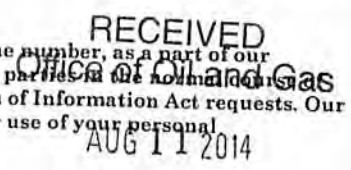


Well Operator CNX Gas Company LLC  
 By: Matt Imrich  
 Its: Designated Agent - District Operations Superintendent, WV Gas Operations  
 Address P.O. Box 1248  
Jane Lew, WV 26378  
 Telephone 304-884-2009 - Amanda Wright, Permitting Supervisor

Subscribed and sworn before me this 7<sup>TH</sup> 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](mailto:depprivacyofficer@wv.gov).



WV Department of Environmental Protection  
09/09/2014

4100492P

7013 1090 0001 6080 0390

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

**JANE LEW WV 26378**  
 AUG 7 2014  
 Postmark Here

Sent To: **Ada-B. & Charles T. Raines**  
 618 Frozen Lick Road ✓  
 Street, Apt. No.; or PO Box No. Camden, WV 26338  
 City, State, ZIP+4 P&A Well #10591  
 Surface Owner

PS Form 3800, August 2006 See Reverse for Instructions

7013 1090 0001 6080 0383

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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

Sent To: **Lisa Marie McClain**  
 7495 US Hwy 33 W ✓  
 Street, Apt. No.; or PO Box No. Camden, WV 26338  
 City, State, ZIP+4 P&A Well #10591  
 Coal Owner

PS Form 3800, August 2006 See Reverse for Instructions

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 Office of Oil and Gas  
 AUG 11 2014  
 WV Department of  
 Environmental Protection

09/05/2014

4100492P

WW-9  
Rev. 5/08

Page 1 of 2  
API Number 47 - 041 - 00492  
Operator's Well No. 10591

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 Leading Creek Quadrangle Camden

Elevation 973.29' 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  
ALL EFFLUENT MUST BE CONTAINED IN TANKS OR IN A PROPERLY LINED PIT (20' DIAM.)

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 *Matt Imrich*

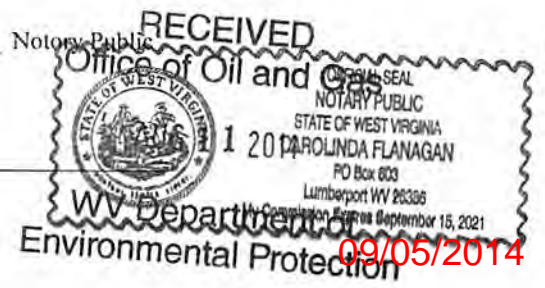
Company Official (Typed Name) Matt Imrich

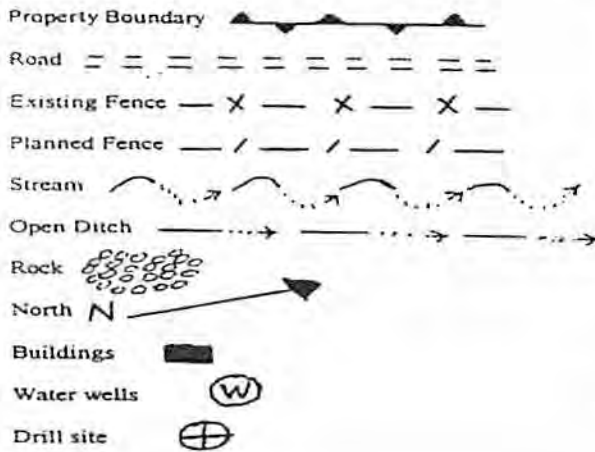
Company Official Title Designated Agent - District Operations Superintendent, WV Gas Operations

Subscribed and sworn before me this 7<sup>TH</sup> day of AUGUST, 2014

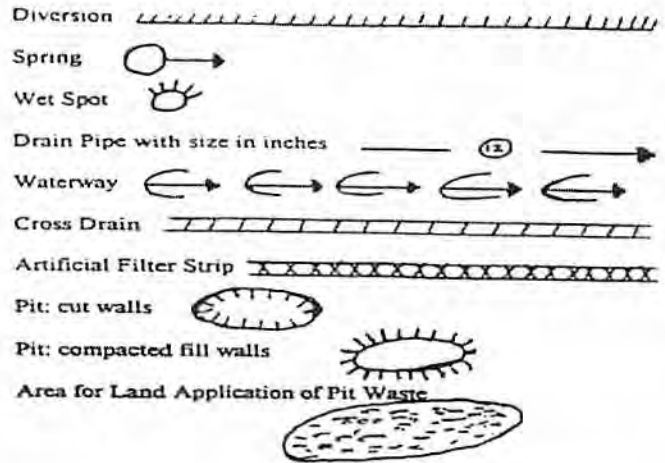
*Carolinda Flanagan*

My commission expires 9/15/2021





LEGEND



Proposed Revegetation Treatment: Acres Disturbed 0.75 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.

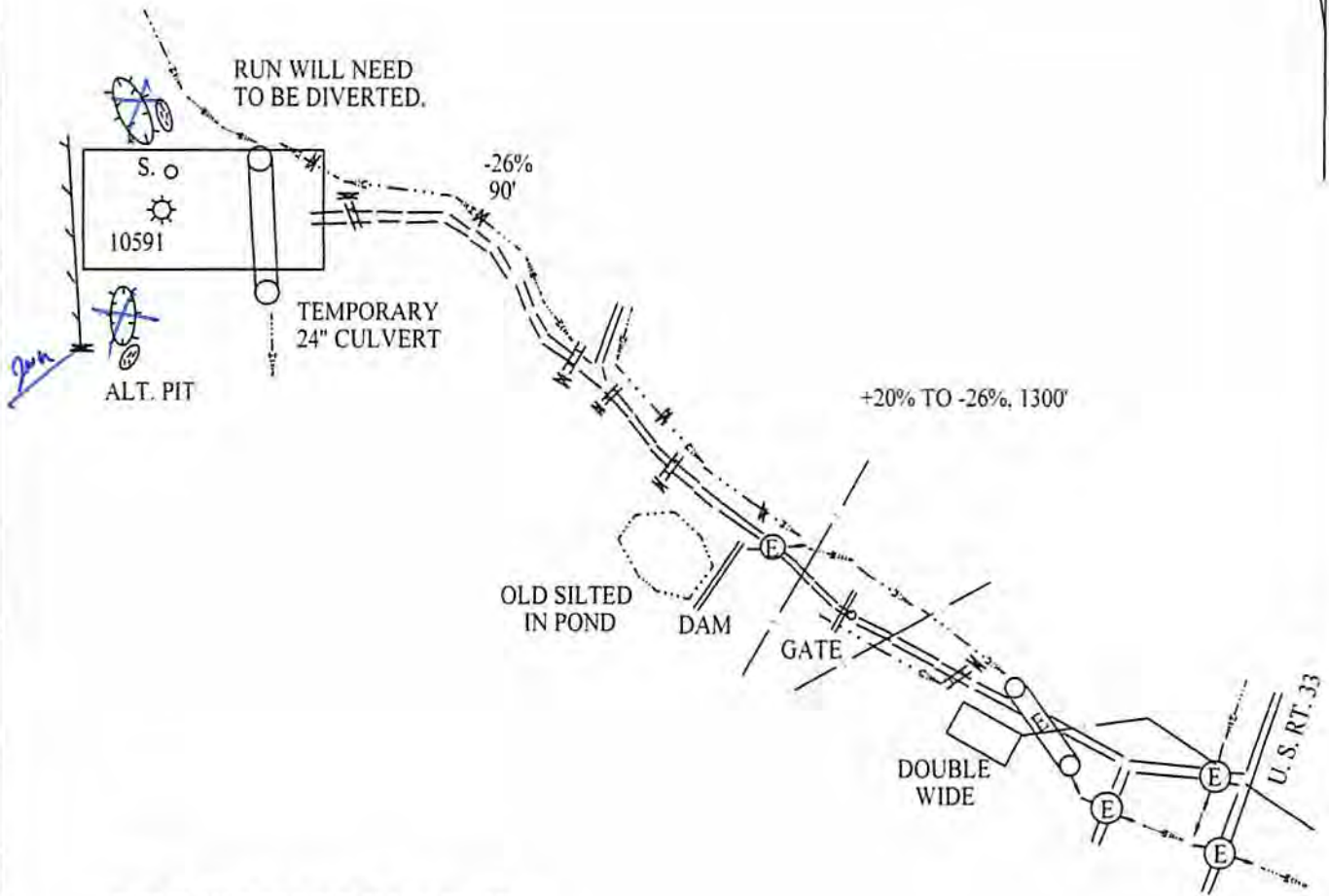
Plan Approved by: Bany Stollings  
 Comments: \_\_\_\_\_

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 Office of Oil and Gas  
 AUG 11 2014

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

WV Department of  
 Environmental Protection





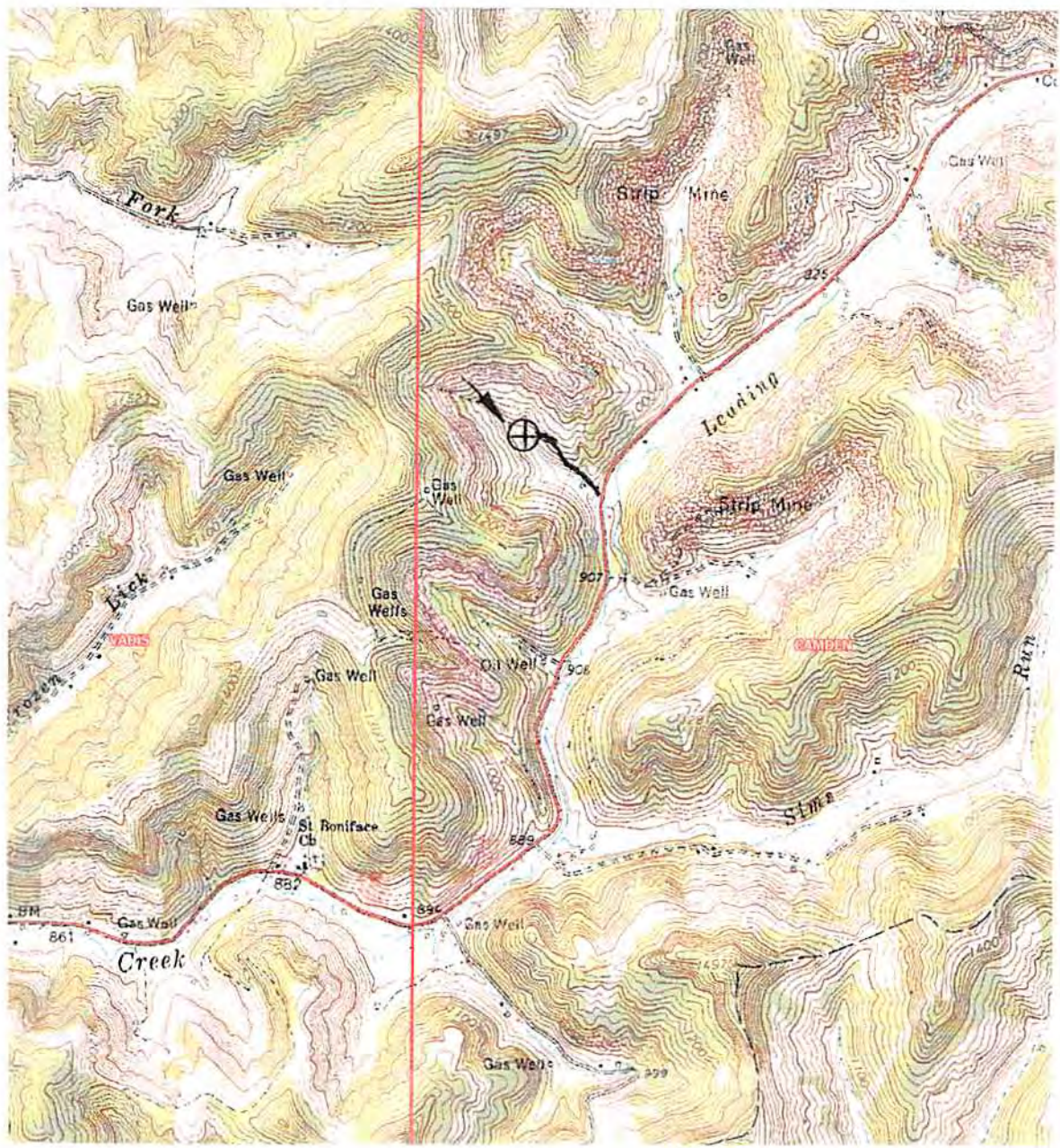
THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ACCESS IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

*B.S. 7-31-14*

DRAWINGS TO ACCOMPANY FORM WW-9	
CNX GAS COMPANY LLC	
P. O. BOX 1248	
JANE LEW. WV 26378	
WATERSHED:	LEADING CREEK
<b>RECEIVED</b> Office of Oil and Gas	
DISTRICT:	FREEMANS CK. COUNTY: LEWIS
AUG 11 2014	
QUADRANGLE:	CAMDEN WELL NO.: 10591
WV Department of Environmental Protection	
DATE:	07/23/14

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

09/05/2014



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**  
 LEADING CREEK  
 Office of Oil and Gas

DISTRICT: FREEMANS CK. COUNTY: LEWIS  
 AUG 1 1 2014

QUADRANGLE: CAMDEN WELL NO.: 10591  
 WV Department of

DATE: Environmental Protection of

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

4100492 P

WW-7  
5-02



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

API: 47-041-00492 WELL NO.: 10591

FARM NAME: GENEVIEVE MALLOY

RESPONSIBLE PARTY NAME: CNX GAS COMPANY LLC

COUNTY: LEWIS DISTRICT: FREEMANS CREEK 3

QUADRANGLE: CAMDEN 7.5 MIN. 276

SURFACE OWNER: CHARLES T. RAINES

ROYALTY OWNER: LISA MARIE MCCLAIN, ET. AL.

UTM GPS NORTHING: 4,322,169.89 METERS

UTM GPS EASTING: 532,845.43 METERS GPS ELEVATION: 296.66 METERS (973')

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:

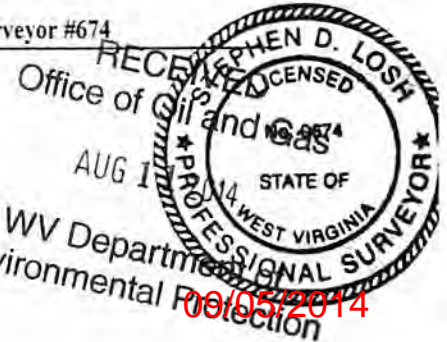
- 1. Datum: NAD 1983, Zone: 17 Coordinate Units: meters Altitude: Height above mean sea level (MSL) - meters
- 2. Accuracy to Datum - 3.05 meters
- 3. Data Collection Method: Survey Grade GPS  ; Post Processed Differential  Real-Time Differential   
Mapping Grade GPS  ; Post Processed Differential  Real-Time 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 [Handwritten Signature]  
Stephen D. Losh, PS #674

Title WV Professional Surveyor #674

Date 07/23/14



CNX USE: NAD 27 WV NORTH SPC: 10591 = 201,538.99' 1,681,732.16' ELEV. = 973.29' Environmental Protection

7-29-09

API # 47-041-00492  
Operator CNX GAS CO. LLC  
Well #/Name 10591  
Reviewed By \_\_\_\_\_  
End of Comment Period \_\_\_\_\_

III. Plugging Permit

- WW-4B
- WW-4B signed off by inspector
- WW-4A
- Surface Owner Waiver
- Coal Owner/Operator/Lessee Waiver
- WW-9 front
- Mylar Plat *7*
- Well Records/Completion report
- Topography Map of well & pit if pit is used
- Certified Mail Receipts or affidavit of personal service
- Bond
- A check for \$100.00 (if a pit is being used)

IV. Coalbed Methane

- WW-5B
- WW-5(B)
- WW-5(B) signed off by inspector
- WW-5A
- Coal Owner/Operator/Lessee Notification/Waiver
- Surface Owner Waiver
- Natural Gas Lessee/Operator Waiver
- Consent To Stimulate. Notified all owners and operators of seams of coal 28 inches or more within 750 feet of proposed well bore and stimulation is requested or a seam that is within 100 vertical feet of proposed stimulation zone.
- WW-9 (page 1 and 2)
- Reclamation Plan
- Inspector Signature on WW-9
- Public Notification (newspaper notification)
- Mylar Plat
  - Not within 100 ft. of the outside boundary of the tract
  - No permitted CBM wells within 1600 ft. without a waiver from all coal owners and operators.
- Topography Map
- Database for Coal Depths, Permits, Boundaries
- WW-2B (1)
- WW-2A(1)
- Certified Mail Receipts or Affidavit of Personal Service
- Bond
- A check \$900.00 (if no pit \$800.00)
- Workers Comp/Employ. OK

RECEIVED  
Office of Oil and Gas  
AUG 11 2014  
WV Department of  
Environmental Protection