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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](http://www.dep.wv.gov)

September 09, 2014

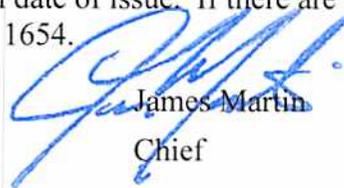
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-3301388, 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: 3783  
Farm Name: GRIFFIN, B.  
**API Well Number: 47-3301388**  
**Permit Type: Plugging**  
Date Issued: 09/09/2014

**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.

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### 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.

3301388P

WW-4B  
Rev. 2/01

1) Date 8/21, 20 14  
2) Operator's  
Well No. 3783  
3) API Well No. 47-033 - 01388

CK 27200219  
10000 49

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 1448.66' Watershed Nolan Run  
District Eagle County Harrison Quadrangle Wallace

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 Sam Ward Name See Attached  
Address P.O. Box 2327 Address \_\_\_\_\_  
Buckhannon, WV 26201

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 S.P. Dwan

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Date 8/20/2014  
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**Plugging Work Order for Permit 47-033-01388****CNX Gas - Well 3783**

TD = 2766'

1. Verify 2" tubing TD.
2. Unseat packer, if unable to unseat, free point 2" & cut above packer. TOH with 2".
3. Pull all 5-3/16" (2533'). If unable to pull, then free point, & cut. TOH w/ 5-3/16".
4. TIH with 2-3/8" EUE to TD.
5. Pump cement plug from TD to 2180' (Top of Fifty Foot 2280').
6. TOH with 2-3/8 EUE. Wait on cement before pulling 6-5/8".
7. Pull all 6-5/8" (1737'), if unable to pull, perf @ 1700', 1445', & 200'.
8. Perforate 6-5/8" across coal @ 345'-350' with 4 holes per ft.
9. TIH with 2-3/8 EUE to 1837'.
10. Pump cement plug from 1837' to 1637' (hole change @ 1737')
11. Pull 2-3/8 EUE up to 1545'.
12. Pump cement plug from 1545' to 1345' (Elev. 1445').
13. Pull 2-3/8" EUE up to 450'.
14. Pump cement plug from 450' to surface.
15. TOH with 2-3/8" EUE, and top off cement to surface.
16. Install 6" x 14' monument (10' below grade) API 47-033-01388

Work Order approved by Inspector S. D. Ward II Date: 8/20/2014

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

PULL 10" CASING.

MUST HAVE 100' CLASS A CEMENT PLUG ACROSS  
ALL CASING CUTS.WELL BORE MUST BE FILLED WITH A MINIMUM  
OF 6% BENTONITE FRESH WATER GEL BETWEEN  
ALL CEMENT PLUGS.

gwm

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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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3301388 P

Form H 100 100 Bks-2-16

### Hope Natural Gas Company

Well No. 2782 *Coatux Griffin* Farm 11/12 1918  
 District Buffalo Commenced Aug 17-18  
 N 4 S 4 E 13 W Completed 11-11-1918

### REPAIRS

#### CASING AND TUBING RECORD

Size	Before Repairs	Pulled	Put in Well	After Repairs	Disposition of Amount Pulled
10	400			400	
8 1/2	1381 2	1381 2		1381 2	
6 3/4	1737			1737	
5 1/2			2533 46	2533 46	
2	2444	2444	2786	2786	
3			63	63	

#### VOLUME AND PRESSURE TEST

BEFORE REPAIRS					AFTER REPAIRS				
Reading	Liquid	Opening	Rock or Minute Pressure	Pounds	Reading	Liquid	Opening	Rock or Minute Pressure	Pounds
26 1/2	Water	1"	Rock	500	34 1/2	W	✓	Rock	175

#### RECORD OF ANY DEEPER DRILLING

Formation	Top	Bottom
Commenced drilling at depth of	2426	
Gas	2518	2577
Gas	2555	
Gas	2590	2612
Gas	None	
Gas	2724	2733
Gas	2725	
Total Depth	2766	

Names of Drillers	Time (Days)
J. L. Fortney	67
J. Heram	12

Names of Tool Dressers	Time (Days)
C. Reynolds	34
Spencer Carney	1 1/2
Chas. Brumpp	28

#### PACKER RECORD

Size	Kind	Anchor	Amount Above Anchor
5 3/4 x 2	CNC.	2753	2540 1/2
6 7/8 x 5 3/4	SH		2521 1/2

#### OIL AND GAS DISCOVERIES IN DEEPER DRILLING

Oil at	710	ft. in	Sands
Gas at	2555-2725	ft. in	Gas

#### SHOOTING RECORD

Date	Quarts	Top of Shell	Bottom of Shell	Diameter	Sand	TEST BEFORE SHOT			TEST AFTER SHOT			Test Taken After Shot No. Hours	Shot by
						Reading	Liquid	Opening	Reading	Liquid	Opening		
10-28-18	70	2735	2733	4	5 7/8	34 1/2	Water	2	34 1/2	W	✓	24	M. J. [unclear]

Remarks: 63 ft 3" Pipe put in hole through shot hole, hung over with 3x1 yv steel Bushings. Top 3" 2689 ft. Bottom 2752 ft. 1st Perf. on bottom. Sealed Perf. 2725 ft. 1 1/2" Plug on bottom.

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Form 119  
 Record of 3783 Patricia Griffin Buffalo Company  
 Well No. 3783 Located on Edge District WV  
 County Harrison State WV  
 Location Made 3-17-1915 First Work Done 3-17-1915  
 Rig Commenced 4-1-1915 Rig Completed 4-7-1915  
 Drilling Commenced May 13-1915 Drilling Completed July 13-1915  
 Rig Contractor H. H. & M. Co. Drilling Contractor J. H. & M. Co.  
 Drillers John Stone & Mike H. N. S. Co. Tools String No. Emil  
 Tool Dressers R. P. Moon and Guy Fortney AUG 24 1915 P.M.S.

REMARKS 1915 GAY  
 WELL BOOK  
 LEASE RECORD  
 WALL MAP AUG 21 1915 J.C.T.  
 LINE MAP AUG 23 1915 A.J.D.  
 LOCATION BOOK  
 CONTRACTOR'S PLAN

FORMATION	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth
Native Coal						
Pittsburg Coal	345	350				
Little Dunkard	770	770				
Big Dunkard	860	920				
Gas Sand	1065	1112				
First Salt	1120	1180				
Second Salt	1240	1396				
Maxon						
Little Lime	1645	1660	1645			
Pencil Cave	1660	1665	1666			
Big Lime	1665	1737	1665			
Big Injun	1737	1812	1737			
Squaw	Shale					
Berea	"					
Gantz	"					
Fifty Foot	2280	2350	2280			
Thirty Foot	2368	2401	2368			
Gordon Stray						
Gordon						
Fourth						
Fifth						
Bayard						
Total Depth			2426			

2246 }  
 2371 & 2375 } 20/10 min 2-1/2 pump

SIZE	Charged to Well		Put in Well		Pulled Out		Left in Well		Transferred Before Completing		Left at Well Not in Use	
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
13" Csg.												
10" "	420		400				400		20		0	
8 1/2" "	1407		1381	7			1381	7	25	7	0	
6 5/8" "	2377		1737				1737		640		0	
5 3/16" "												
2 Tbg.	2646	8	2444				2444				2028	

PACKER RECORD

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS
1-8 1/4	Steel shoe on			bottom of 8 1/2 Casing
6 1/8 x 4	B.H.		1737	
6 7/8 x 4	anc.	143	2283	7 Packer Run, first packer did not set

SHOOTING RECORD (If shot before or upon completion of well)

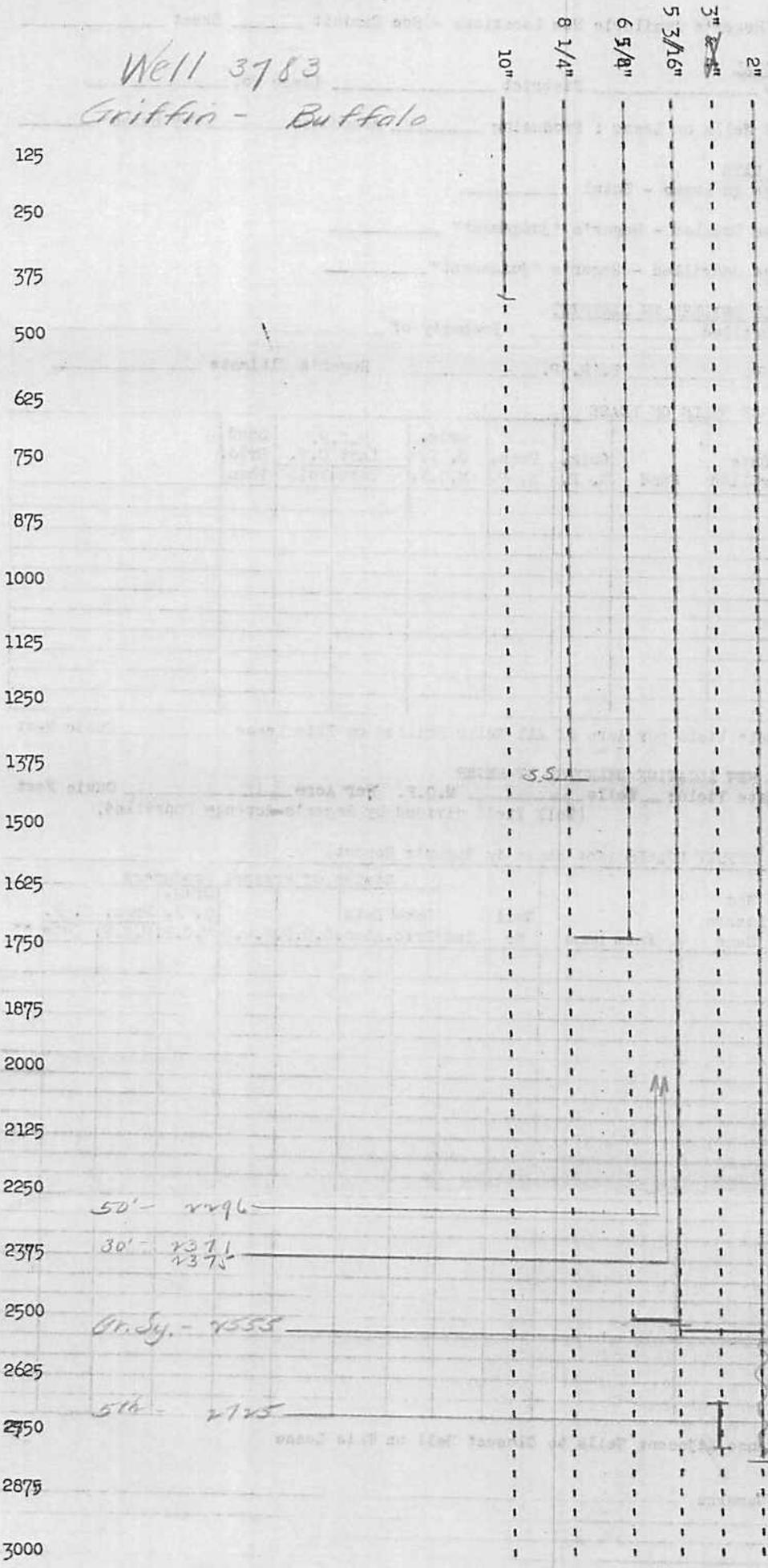
DATE	Quartz	Top of Shell	Bottom of Shell	Diameter	Sand	Test Before Shot			Test After Shot			Test Taken After Shot No. Hours	By Whom Shot
						Reading	Liquid	Opening	Reading	Liquid	Opening		

CEMENTING RECORD

Date Cemented 5/24-15 Size Hole Cemented 16" Size Casing Cemented 10"  
 Top Pittsburg Coal 345 Top Cementing 315 Amount Cement Used 6000 Office of O  
 Bottom Pittsburg Coal 350 Bottom Cementing 400 Amount Sand Used 6000  
 Mr. Harry Fox of Consolidation Coal Company on ground when coal was cemented AUG 2  
 Remarks: 1-10x15 of flange on bottom Signature of persons who cemented well  
of 16" casing W.B. Cole  
 WV Depa  
 Environment

Approved by J. C. Tenness  
 Asst. Foreman

Well 3783  
Griffin - Buffalo



1737 BH

50' - 2296'

30' - 2375'

Gr. Sy. - 2535'

516' - 2750'

YSW BH  
YSH

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AUG 26 2014  
Environmental Protection

33013882

WELL NO. **3783** NAME **Beatrice Griffin** LEASE NO. **W 219** ACRES **75** N. S. **4 E. 13 W.** DISTRICT **Buffalo**

DISTRICT **Eagle**  
 COUNTY **Harrison 47-033-1388**  
 LOCATED **Mar. 17, 1915**  
 COMMENCED **Mar. 17, 1915**  
 COMPLETED **July 13, 1915**  
 CONTRACTOR **St. J. Maloy** \$ **1.10** Per Foot  
 PURCHASED FROM  
 DATE PURCHASED  
 DATE SHUT IN  
 DATE CONNECTED  
 DATE TURNED ON  
 DATE TURNED OFF  
 DATE DISCONNECTED  
 SOLD TO  
 DATE SOLD  
 DATE RE-PURCHASED  
 DATE PLUGGED  
 DATE ABANDONED  
 Elevation **1445'**

RECORD						
FORMATION	TOP	BOTTOM	OIL AT	GAS AT	WATER AT	FRESH OR SALT
Pittsburgh Coal	345	350				
Dunkard Sand	720	920				
Salt Sand	1120	1396				
Maxon Sand						
Injun Sand	1737	1812				
Berea Sand						
Gantz Sand						
Fifty Foot Sand	2280	2350		2296		
Thirty Foot Sand	2368	2401		2371		
Stray Sand	2518	2577		2375		
Gordon Sand	2590	2612		2555		
Fourth Sand						
Fifth Sand	2724	2733		2725		
Bayard Sand						
TOTAL DEPTH		2426	<i>S.L. deeper</i>			
		2766				

CASING AND TUBING				
SIZE	PUT IN WELL	PULLED	CEMENTED	
13 in. Casing			Date	5-27-
10 in. Casing	400		Size Casing	10"
8 1/2 in. Casing	1381' 7"	1281' 7"	Top	315' Ft.
6 1/2 in. Casing	1737		Bottom	400' Ft.
5 1/2 in. Casing	2533' 10"		3000' Cement	
7 in. Tubing	2444	2444	6000' Sand	
2 in. Tubing	2786			
3 in. Tubing	63			

SHOOTING				
DATE	QTS.	SAND	VOLUME BEFORE	VOLUME AFTER
10-28-18	20	5th	277,376	350,880

VOLUME AND PRESSURE TESTS

DATE TAKEN	READING	LIQUID	OPENING	POUNDS PRESSURE	1 MIN.	5 MIN.	10 MIN.	30 MIN.	60 MIN.	ROCK	VOLUME	SAND
July 10 1915	2 1/10	Q.	2"								67,392	50 ft.
July 13 "	20/10	M.	2"		60	180	240	270	275	18 lbs 355	786,720	" 4 30 ft.
May 31 1916	19/10	Q.	2"		85	125	175	340	485	555	207,360	" "
Sept 9 1918	50/10	"	1"								87,680	" "
Oct 10 "	28/10	"	2"								251,616	Stray
" 19 "	54/10	"	2"								338,304	" 4 5th
Nov. 11 "	34/10	"	1"			15	40	100	130	175	69,344	50 ft + 30 ft
" 8 "	34/10	"	2"		30	65	70	70	75	75	277,376	Stray + 5th
Aug 8 1930	54/10	"	1 1/4" F.M.		0	16	36	50	55	60	86,532	Stray + 5th
April 23 1943	8/10	Merc.	1" F.M.		12	75	78	79	30	-	78,600	" "
May 1945	8/10	Water	1 1/4" F.M. Special		0	0	0	2	5	-	1,331	50' & 30'
" 28/10		"	1" F.M.		6	18	20	20	20	-	39,820	Stray & 5th.

PACKERS

SIZE	MAKE	SET AT
8	Shoe	
6x8	B.H.	1737
6x2	A.	2283
5x6	B.H.	2521
2x5	A	2540

INITIAL OIL PRODUCTION

DATE	BARRELS	SAND

New from 3750 gal

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 UIC 262014

Environmental Department of

DATE	TIME SHUT IN	SAND	ROCK	LINE PRESSURE	SHUT IN PRESSURE	DATE	TIME SHUT IN	SAND	ROCK	DATE	TIME SHUT IN	SAND	ROCK	
Sept 1915	1 mo 26 da		665			Sept 1932	9 mo 18 da	50' + 30'	72	1-24-50			22.8	
		50 ft + 30 ft	810			"	5 mo 3 da	Gov - Stray 5th	70	7-25-50			29.8	
Sept 1916	3 da	50 ft + 30 ft	490			Sept. 1933	7 mo 19 da	50' + 30'	79	1-24-51			26.5	
Sept 1917	16 da		500			"	7 mo 10 da	Gov Stray 5th	74	7-28-51			21.6	
"	"	50 ft + 30 ft	495			Sept 1934	4 mo 1 da	50' + 30'	67	1-23-52			23.9	
Sept 1918	4 da	1 Dipper	320			"	"	Gov Stray 5th	74	7-7-52			26.	
"	"	50' + 30'	320			Sept 1935	4 mo 7 da	50' + 30'	74	1-28-53			22.	
Sept 1919	1 mo. 14 da.	50 ft + 30 ft	575			"	"	Gov - Stray 5th	72	7-20-53			26.	
"	"	50 ft + 30 ft	83			Sept 1936	2 mo 2 da	50' + 30'	64	1-21-54			21.8	
Sept. 1920	5 da.	50' + 30'	215			"	"	Gov - Stray 5th	62	7-28-54			23.	
"	"	5th	67			Sept 1937	3 mo 2 da	50' + 30'	57	1-24-55			24.	
Sept 1921	4 mo 9 da	50 ft + 30 ft	69			"	"	Gov Stray 5th	57	7-20-55			21.6	
"	"	Gov - Stray 5th	600			Sept. 1938	3 mo. 20 days	50' + 30'	55	1-19-56			21.5	
Sept 1922	5 mo 5 da	No record	485			"	"	Garden, Stray, 5th	58	7-18-56			21.6	
"	"	50 ft + 30 ft	68			Sept. 1939	7 Mo 1 day	50' - 30'	57	1-22-57			24.7	
Sept 1923	2 mo 16 da	50 ft + 30 ft	251			"	"	Gov - Stray 5th	51	7-5-57			17.4	
"	"	Gov. Stray 5th	52			Sept. 1940	7 Deep	50' - 30'	57	12-16-57			23.8	
Sept 1924	2 mo. 15 da	50 ft. + 30 ft	424			"	"	Gov. Stray - 6th	23	7-16-58			17.6	
"	"	Gov. Stray 5th	68			Aug. 1941	17 mo. 6 days	50' - 30'	98	1-19-59			19.4	
						"	"	Gov. Stray - 5th	48	7-20-59			24.7	
						Sept. 1942	4 mo. 4 days	50' - 30'	24	1-20-60			13.6	
						"	1 mo. 4 days	Garden, 5th Stray	48	7-6-60			17.5	
						"	1943 Not Show	50' + 30'	10	1-61			15.5	
Sept 1927	6 mo 6 da	50 ft + 30 ft	520			"	"	Gov. Stray - 5th	96.	7-61			13.2	
"	"	Gov Stray + 5th	66			"	1944	2 mo. 13 day	50' + 30'	32	1-62			16.7
Sept 1928	8 da	50' + 30'	217			"	"	Gov. Stray + 5th	93	7-62			14.4	
"	6 mo 9 da	Gov - Stray - 5th	66			Sept 1945	4 mo 17 days	50' + 30'	31	1-63			16.8	
Sept. 1929	3 da	50' + 30'	185			"	"	Gov Stray + 5th	31	7-63			12.6	
"	4 mo 5 da	Gov - Stray - 5th	63			"	"	"		1-64			15.3	
Sept 1930	3 mo 23 da	50' + 30'	44			"	"	"		7-64			15.0	
"	"	Gov - Stray - 5th	65			Aug. 1947	7 da.	50' + 30'	28	7-65			15.7	
Sept 1931	9 mo 20 da	50' + 30'	48			"	"	Gov. Str. & 5th.	24					
"	4 mo 15 da	Gov - Stray - 5th	69			July 1949	7 "	50' + 30'	21					
						"	"	Gov. Str. & 5th.	21					

REPAIRS TO WELL

COMMENCED	COMPLETED	DRILLED DEEPER		SHOT	VOLUME		ROCK PRESSURE		REMARKS
		From (Ft.)	To (Ft.)		Before	After	Before	After	
8-17-10	11-21-10	2426	2766	yes	60,648	69,344	500	175	50' + 30' Stray + 5th. Balled
						277,376		75	

ROYALTY 15.00 quar 4-13  
 REDUCED TO 37.50 quar 4-13-57  
 REDUCTION SENT  
 REFUSED. 10-19-30;

3301028

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33013881

WELL No. 3783

ANNUAL REPORT OF ROCK PRESSURE

DATE	TIME SHUT IN	SAND	ROCK	LINE PRESSURE	SHUT IN PRESSURE	DATE	TIME SHUT IN	SAND	ROCK	LINE PRESSURE	SHUT IN PRESSURE
July 1950	7da	Gord. Str. - 5th	21								
" 52	7"	" " "	20								
" 54	7"	" " "	20								
Aug. 56	7"	" " "	19								
June 58	7"	" " "	18								
June 60	7"	" " "	18								
" "	7"	" " "	18								
Aug. 64	7"	" " "	18								
" "	7"	" " "	19								
Nov 61	703	Gordon	23								

REPAIRS TO WELL

COMMENCED	COMPLETED	DRILLED DEEPER		SHOT	VOLUME		ROCK PRESSURE	
		FROM (FT.)	TO (FT.)		BEFORE	AFTER	BEFORE	AFTER

*Drilled*  
11-61 - 37.11  
12-62 - 37.11  
5-63 - 46 M

ROYALTY  
REDUCED TO  
REDUCTION SENT  
REFUSED

3301388 P

Form H 101-5M-4-14

# HOPE NATURAL GAS COMPANY

## ORIGINAL WELL RECORD

FARM *Bull Run* WELL No. *3753*  
 DIST. *Jefferson* CO. W. VA.  
 DRILLING COMMENCED *July 19* 191*9*  
 DRILLING COMPLETED *July 19* 191*9*  
 CONTRACTOR *H. J. Hendry*

Formation	Top	Bottom	Formation	Top	Bottom
Native Coal			Sasaw		
Pch. Coal	<i>845</i>	<i>858</i>	Berea		
Little Dunkard	<i>780</i>	<i>770</i>	Gantz		
Big Dunkard	<i>860</i>	<i>890</i>	Fifty Foot	<i>2280</i>	<i>2360</i>
Gas Sand	<i>1095</i>	<i>1113</i>	Thirty Foot	<i>2390</i>	<i>2491</i>
1st Salt Sand	<i>1120</i>	<i>1180</i>	Gordon Stray		
2d Salt Sand	<i>1240</i>	<i>1376</i>	Gordon		
Maxon			Fourth		
Little Lime	<i>1545</i>	<i>1560</i>	Fifth		
Pencil Cave	<i>1600</i>	<i>1600</i>	Byard		
Big Lime	<i>1665</i>	<i>1737</i>	Total Depth	<i>2826</i>	
Big Inian	<i>1757</i>	<i>1813</i>			

Casing Size	Put in Well		Pulled Out		Left in Well	
	Feet	Inches	Feet	Inches	Feet	Inches
13 INCH						
10 INCH	<i>400</i>				<i>400</i>	
8 1/4 INCH	<i>1381</i>	<i>7</i>			<i>1381</i>	<i>7</i>
6 5/8 INCH	<i>1737</i>				<i>1737</i>	
5 3/16 INCH						

Have Driller O. K. for Amount of Hole Drilled by them.

*H. J. Hendry*  
 Driller  
 OVER

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 AUG 26 2014  
 WV Department of  
 Environmental Protection

N.

# HOPE NATURAL GAS CO.

## LOCATION FOR WELL No. 3783

### DISTRICT

On Beatrice Griffin Farm, on waters of Shoals River  
Cagle District Marion County, West Virginia.

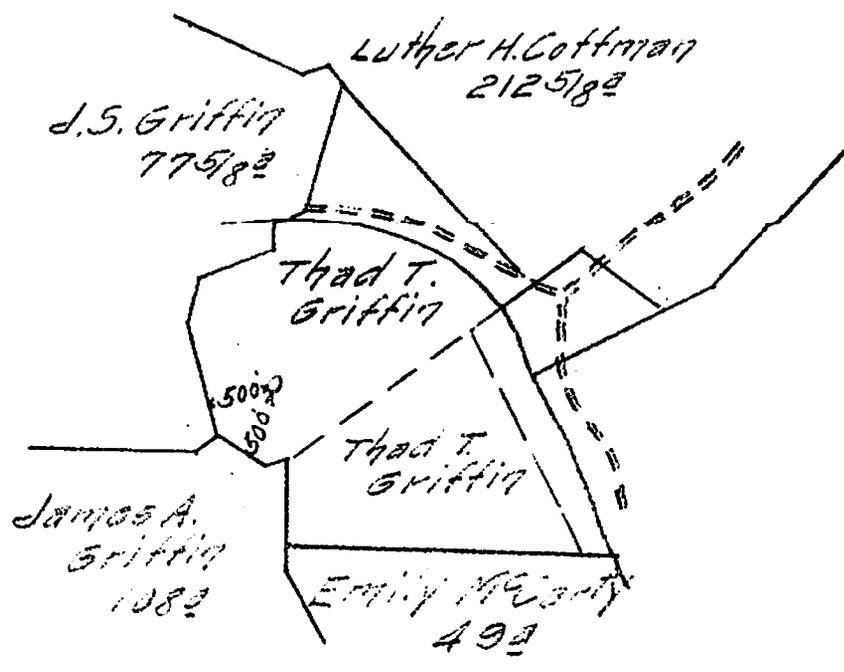
Lease No. 25219 Acres 75 N. 4 S. 4 E. 13 W.

Scale, one inch equals 80 Paces Sent to Clarksburg Office March 8 1912

Location to be 500 feet from J. S. Griffin's farm and 500 feet from James A. Griffin's farm.

3-8-15<sup>00</sup>

Miss Clyde Robinson (daughter of Shimston W. Va. Beatrice Griffin)  
R. F. D. # 2



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Office of Oil and Gas  
AUG 26 2014

WV Department of  
Environmental Protection

TITLE \_\_\_\_\_  
RESERVE Two hundred feet around the buildings on premises at date filed Dec 6 1912

SPECIAL INSTRUCTIONS: COMPLETE WELL ON OR BEFORE \_\_\_\_\_  
Cement 10" casing. Inside Fairmont Coal Co  
Location made 3-12-15 by D. D. Shurkey As per plat, except as noted. On field map 3-12-15 Returned to Pittsburgh 3-13-15

Location changed on account of \_\_\_\_\_  
Authorized by \_\_\_\_\_ Date \_\_\_\_\_ Signed \_\_\_\_\_

WW-4A  
Revised 6-07

1) Date: 8/21/14  
2) Operator's Well Number 3783

3) API Well No.: 47 - 033 - 01388

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

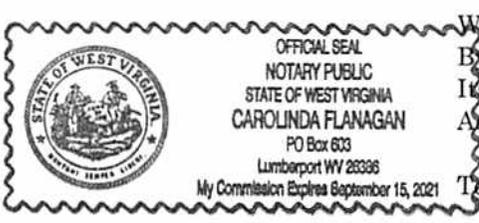
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Consol Mining Co. LLC Consolidation Coal Company</u>	Name <u>None of Declaration</u>
Address <u>1000 Consol Energy Drive</u> <u>Canonsburg, PA 15317</u>	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Roger Amos &amp; James G. Ice</u>
(c) Name _____	Address <u>1237 Little Laurel Run Road</u> <u>Lumberport, WV 26386</u>
Address _____	Name <u>Virginia A. Tetrick Estate % Charleston National Bank</u>
6) Inspector <u>Sam Ward</u>	Address <u>92 16th Street Floor 2</u> <u>Wheeling, WV 26003</u>
Address <u>P.O. Box 2327</u> <u>Buckhannon, WV 26201</u>	(c) Coal Lessee with Declaration
Telephone <u>304-389-7583</u>	Name <u>None of Declaration</u>
	Address _____

**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 Kelley Eddy  
 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 21<sup>ST</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).

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 Environmental Protection

3301388P

7014 0510 0000 4142 3138

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<b>Total Postage &amp; Fees</b>	<b>\$ 8.03</b>

Sent To: **Consol Mining Co. LLC**  
**Consolidation Coal Company**  
 Street, Apt. No.; or PO Box No.: **1000 Consol Energy Drive**  
 City, State, ZIP+4: **Canonsburg, PA 15317**  
**P&A Well #3783**  
**Surface Owner**

PS Form 3800, August 2006 See Reverse for Instructions



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<b>Total Postage &amp; Fees</b>	<b>\$ 8.03</b>

Sent To: **Roger Amos & James G. Ice**  
**1237 Little Laurel Run Road**  
 Street, Apt. No.; or PO Box No.: **Lumberport, WV 26386**  
 City, State, ZIP+4: **P&A Well #3783**  
**Coal Owner**

PS Form 3800, August 2006 See Reverse for Instructions



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<b>Total Postage &amp; Fees</b>	<b>\$ 8.03</b>

Sent To: **Virginia A. Tetrick Estate**  
**Charleston National Bank**  
 Street, Apt. No.; or PO Box No.: **92 16<sup>th</sup> Street Floor 2**  
 City, State, ZIP+4: **Wheeling, WV 26003**  
**P&A Well #3783 - Coal Owner**

PS Form 3800, August 2006 See Reverse for Instructions



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Office of Oil and Gas

AUG 26 2014

WV Department of  
Environmental Protection

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WW-9  
Rev. 5/08

Page 1 of 2  
API Number 47 - 033 - 01388  
Operator's Well No. 3783

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 Nolan Run Quadrangle Wallace

Elevation 1448.66' County Harrison District Eagle

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~~ 20ML

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 \_\_\_\_\_)

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 Kelly Eddy

Company Official (Typed Name) Matt Imrich

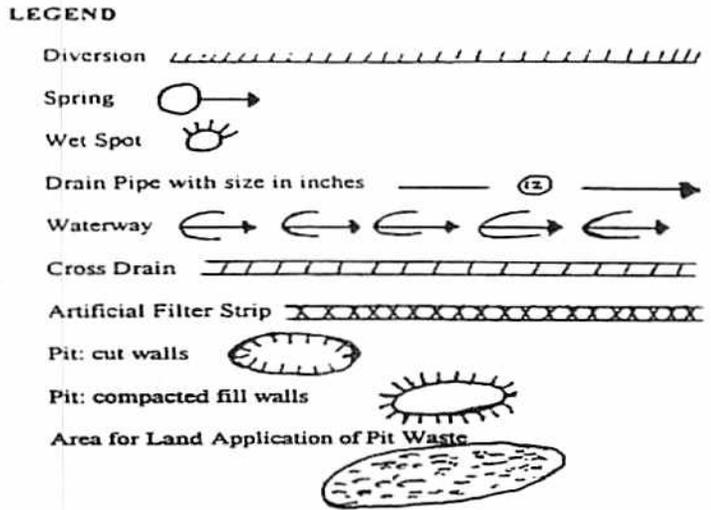
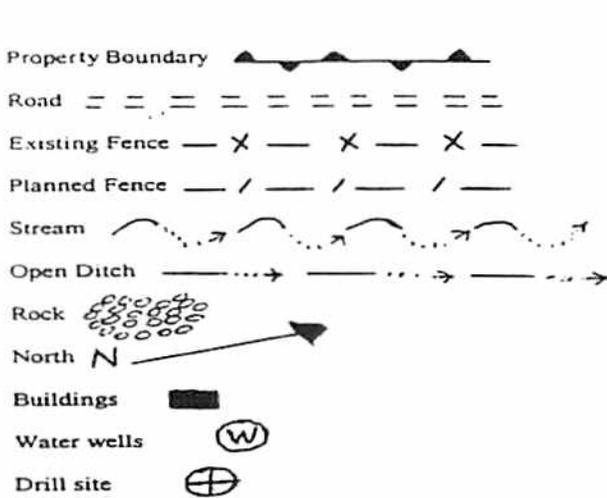
Company Official Title Designated Agent - District Operations Superintendent, WV Gas Operations

Subscribed and sworn before me this 21<sup>ST</sup> day of AUGUST, 2014

Carolinda Flanagan

My commission expires 9/15/2021





Proposed Revegetation Treatment: Acres Disturbed 1.00 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: S. L. D. Ward II

Comments: \_\_\_\_\_

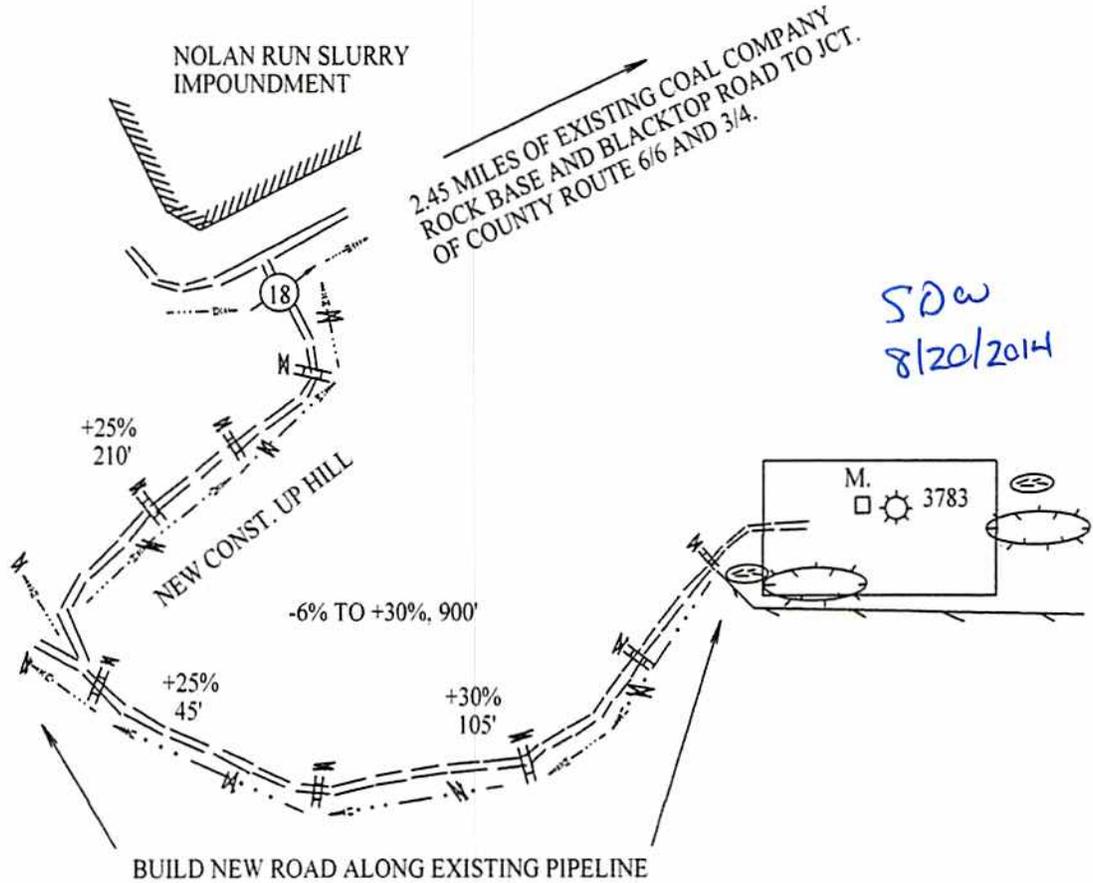
Title: Oil & Gas Inspector

Date: 8/20/2014

Field Reviewed? ( ) Yes ( X ) No

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AUG 26 2014

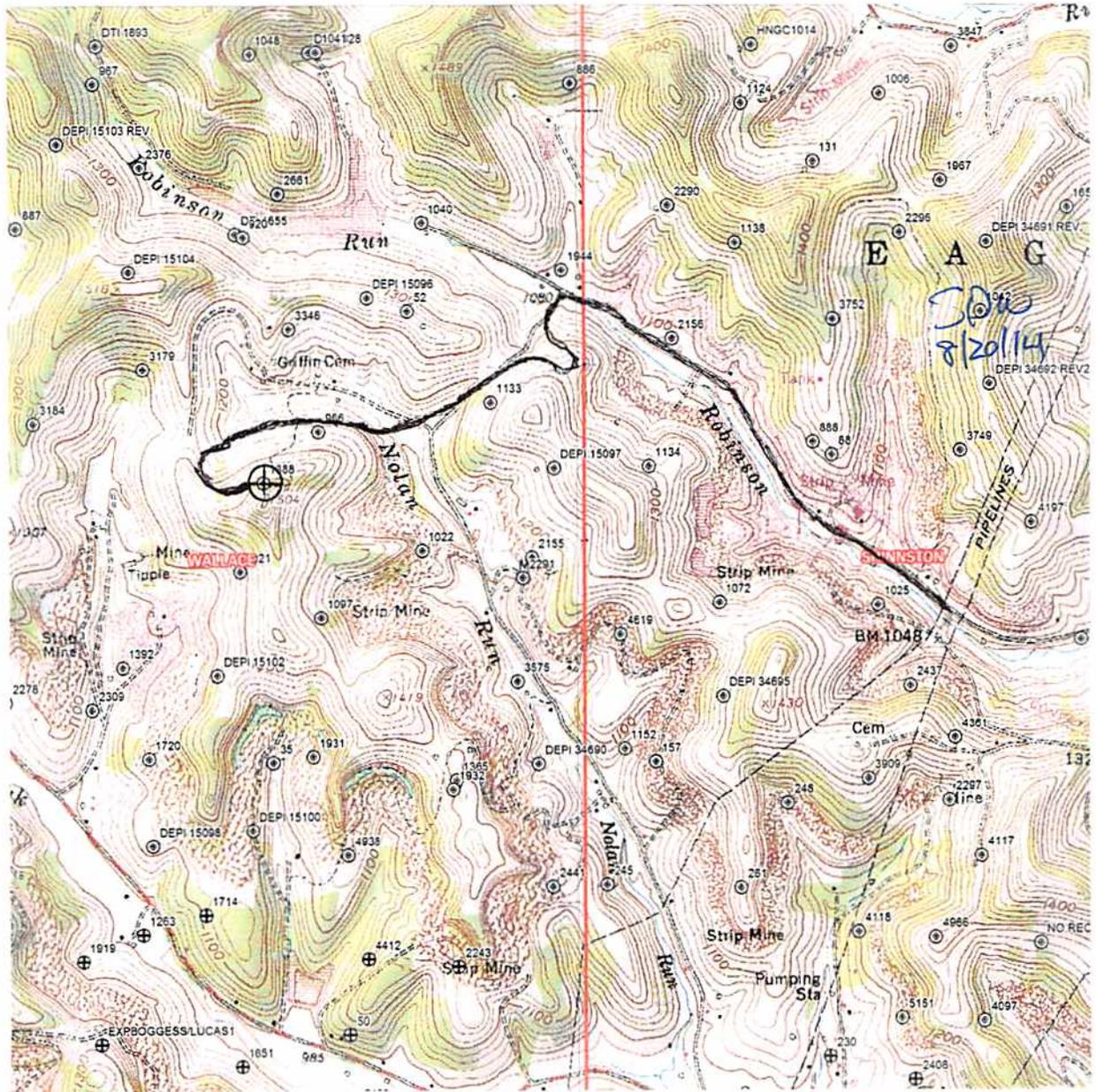
WV Department of Environmental Protection



THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. IT SHOWS THE PORTION OF ROAD THAT WILL BE CONSTRUCTED. THE REMAINDER OF THE ACCESS CONSISTS OF EXISTING ROCK BASE AND BLACKTOP COAL COMPANY ROAD. ROCK WILL BE USED WHERE NECESSARY.

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

DRAWINGS TO ACCOMPANY FORM WW-9	
CNX GAS COMPANY LLC	
P. O. BOX 1248	
JANE LEW, WV 26378	
WATERSHED:	NOLAN <b>RECEIVED</b>
DISTRICT:	EAGLE COUNTY: HARRISON
QUADRANGLE:	WALLACE WELL NO.: 3783
DATE:	08/11/14
AUG 26 2014 WV Department of Environmental Protection	



DRAWINGS TO ACCOMPANY FORM WW-9

CNX GAS COMPANY LLC

P. O. BOX 1248

JANE LEW, WV 26378

WATERSHED:

Office of Oil and Gas  
NOLAN RUN

DISTRICT: EAGLE

AUG 26 2014

COUNTY: HARRISON

QUADRANGLE:

WALEX  
WV Department of Environmental Protection

DATE: 08/11/14

PAGE of

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

3301388 P

WW-7  
5-02



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

API: 47-033-01388 WELL NO.: 3783

FARM NAME: BEATRICE GRIFFIN

RESPONSIBLE PARTY NAME: CNX GAS COMPANY LLC

COUNTY: HARRISON 33 DISTRICT: EAGLE 4

QUADRANGLE: WALLACE 655

SURFACE OWNER: CONSOLIDATION COAL COMPANY

ROYALTY OWNER: GLEN D. GRIFFIN, ET. AL.

UTM GPS NORTHING: 4,361,870.83 METERS

UTM GPS EASTING: 552,654.44 METERS GPS ELEVATION: 441.56 METERS 1448 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 08/11/14



CNX USE: NAD 27 WV NORTH SPC: 3783 = 330,734.52' 1,748,905.15' ELEV. = 1448.66'

Office of Oil and Gas  
WV Department of Environmental Protection