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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Earl Ray Tomblin , Governor  
Randy C. Huffman , Cabinet Secretary  
www.dep.wv.gov

Monday, August 15, 2016  
WELL WORK PERMIT  
Vertical / Plugging - 2

CNX GAS COMPANY LLC  
POST OFFICE BOX 1248

JANE LEW, WV 263786506

Re: Permit approval for 7965  
47-033-01525-00-00

This well work permit 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 any additional specific 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin  
Chief

Operator's Well Number: 7965  
Farm Name: BOGGESS, S.  
U.S. WELL NUMBER: 47-033-01525-00-00  
Vertical / Plugging - 2  
Date Issued: 8/15/2016

Promoting a healthy environment.

08/19/2016

## 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 within two years of the date of issuance of this permit.

1) Date August 5, 2015  
2) Operator's  
Well No. 7965  
3) API Well No. 47-033 - 01525

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil \_\_\_/ Gas X/ Liquid injection \_\_\_/ Waste disposal \_\_\_/  
(If "Gas, Production X or Underground storage \_\_\_) Deep \_\_\_/ ShallowX
- 5) Location: Elevation 1118.36' Watershed Limestone Run  
District Coal -03 County Harrison Quadrangle Wolf Summit -692
- 6) Well Operator CNX Gas Company LLC 7) Designated Agent Anthony Kendziora  
Address P.O. Box 1248 Address P.O. Box 1248  
Jane Lew, WV Jane Lew, WV 26378
- 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

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Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Sam D. Ward Date 4/11/16

Attachment – Form WW-4B:

**Potential Plugging Contractors:**

Waco Oil & Gas  
P.O. Box 397  
Glenville, WV 26351

Viking Well Service  
8113 Sissonville Drive  
Sissonville, WV 25320

Stalnaker Energy  
220 West Main Street  
Glenville, WV 26351

Contractor Services Inc.  
929 Charleston Road  
Spencer, WV 25276

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

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## Plugging Work Order for Permit 47-033-01525

### CNX Gas - Well DTI 7965

1. Verify TD. *PULL 2" TUBING, IF ANY LEFT IN WELL.*
2. TIH w/ 2-3/8" work string. *SPOT GEL.*
3. Pump bottom cement plug from TD to 2974'. *TO WAS 3116'. (TOP OF SHELL WAS 3074')*
4. TOH w/ 2-3/8" work string. Wait on cement. *CHECK TOC. ADD MORE CIA IF NEEDED.*
5. TIH w/perf guns, perforate 5 3/16" casing from 2178'-1520' w/4 shots every 100'.
6. TIH w/ 2-3/8" work string to 2425'.
7. Pump cement plug from 2425' to <sup>1520'</sup>150' (905' plug covers 5<sup>th</sup> sand, bottom of 5 3/16" csg and gas show).
8. TOH w/ 2-3/8" work string.
9. Pull 5 3/16" csg and shoe.
10. Attempt to pull 6 5/8" csg and packer from well. If unable to pull, free point and cut above packer. Pull all free 6 5/8" casing.
11. TIH w/ 2-3/8" work string to 1520'.
12. Pump cement plug from 1520'-1400' (plug covers 6 5/8" csg point and gas show).
13. Pull work string to 1170'.
14. Pump cement plug from 1170'-790' (plug covers elevation, gas, oil, & water shows).
15. Pull work string to 550'.
16. Pump cement plug from 550'-380' (plugs cover oil show).
17. Pull work string to 200'.
18. Pump cement plug 200' to surface.
19. TOH w/ 2-3/8" work string, and top off cement to surface.
20. Install 6" diameter x 14' monument (10' below grade, 4' above grade)  
API 47-033-01525.

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Work Order approved by Inspector

*S. D. Warrick* MAY 02 2016 Date: *4/16/16*

Note: All cement will be Class A. All spacers between plugs will be 6% gel. Any casing unable to be recovered will be perforated every 200' w/4-shots and 100' cement plugs will be set to cover all cut points.

# SYREWS WELL SERVICE, INC.

Route 3, Box 178-S • Weston, West Virginia 26452  
(304) 269-1245

TICKET 3143

6 ✓ ✓

SERVICE RIG #: 2

DATE: 8/19/99  
Customer Billing Address:

Name CNG TRANSMISSION  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Well Name No.: 7965 Rework: \_\_\_\_\_  
Location: County \_\_\_\_\_ State \_\_\_\_\_ New Well: \_\_\_\_\_

## DESCRIPTION OF SERVICE

|   |                                |
|---|--------------------------------|
| <u>Bottom Pells 3076 5 3/16 Pipe 2178</u> | Well T.D. <u>2214</u>          |
| <u>well is caved in</u>                   | Tubing PSI _____               |
| <u>well would not test</u>                | Annulus PSI _____              |
| <u>(USED TANK TRUCK)</u>                  | Tubing Depth _____ ft.         |
| End Tank Reading: _____                   | Well Type: Gas _____ Oil _____ |
| Beginning Tank Reading: _____             | 5 min. Test 1. _____           |
| Total For Day: _____                      | 2. _____                       |
| Total Barrels: _____                      | 3. _____                       |
| Approximate Fluid Level In Hole: _____    | 4. _____                       |
|   | 5. _____                       |

## SERVICES & SUPPLIES

### HOURS

### QUANTITY

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| Rig Time (Operating) <u>2 1/2</u> | 1 1/2" V Swab Cup _____           |
| Rig Time (Moving) <u>1/2</u>      | 1 1/2" UF Swab Cup _____          |
| Total <u>3</u>                    | 1 1/2" TA Swab Cup _____          |
|                                   | 1 1/2" OSI, 154-HD Swab Cup _____ |
|                                   | 2" V Swab Cup _____               |
|                                   | 2" MV Swab Cup _____              |
|                                   | 2" TUF Swab Cup _____             |
|                                   | 154 HL Swab Cup _____             |
|                                   | Oil Saver Rubbers _____           |
|                                   | 4 1/2 V Cups _____                |

E  
175.00



7965

# Reserve Gas Company

## REPAIR RECORD

Well No. ~~605~~

Harrison

District

Farm Name Sarrah Boggess

N S 11 E 13 W

Repairs Commenced October 23, 1933

Repairs Completed Dec. 29, 1933

### CASING AND TUBING RECORD

| Size    | Before Repairs | Pulled       | Put in Well | After Repairs | Disposition of Amount Pulled              |
|---------|----------------|--------------|-------------|---------------|---|
| 6-5/8"  | 1455.6/12 ft.  |              |             | 1455.6/12 ft. | Well Base                                 |
| 5-3/16" |                |              | 2178 ft.    | 2178 ft.      | Well Base                                 |
| 2"      | 2430.6/12ft.   | 2430.6/12ft. |             |               | Well Base FEB 7 1934 J.C.L.<br>FEB 8 1934 |

### SHOOTING RECORD

| Date           | Quarts | 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 |                                 |              |
| Dec. 15, 1933. | 20     | 3074         | 3082            | 4"       | Spch. | 24/10            | W      | 1 1/2   | 22/10           | W      | 1 1/2   | 288                             | M.T.Co.      |

### RECORD OF ANY DEEPER DRILLING

| Formation                      | Top      | Bottom   | Names of Drillers   | Time (Days) |
|--------------------------------|----------|----------|---|-------------|
|                                |          |          | Conrad E. Fischer<br>Nathan S. Doy Wise                     |             |
| Commenced drilling at depth of | 2424 ft. |          | Cassel E. Criss   |             |
| Speechley                      | 3073 ft. | 3085 ft. |   |             |
| Gas                            | 3076 ft. |          | Names of Tool Dressers                                      | Time (Days) |
|                                |          |          | Clarence A. Ash<br>William L. Greynolds<br>Howard B. Stroup |             |

### PACKER RECORD (ALSO NOTE BELOW IF ANY PACKERS ARE PULLED)

| Size            | Kind               | Anchor | Amount Above Anchor |
|-----------------|--------------------|--------|---------------------|
| 8 1/2 x 6-5/8"  | B.H. Packer        |        |                     |
| 6-5/8 x 5-3/16" | Anchor Packer.     | 40ft.  | 1460 ft.            |
| 2-5/8"          | Steel Casing Shoes |        |                     |

### OIL AND GAS DISCOVERIES IN DEEPER DRILLING

|             | Oil at   | Ft. in | Sands                  |
|-------------|----------|--------|------------------------|
| Total Depth | 3116 ft. |        |                        |
|             | Gas at   | 3076   | Ft. in Speechley Sands |

### VOLUME AND PRESSURE REPORT

#### BEFORE REPAIRS

| Reading | Liquid | Opening | Rock or Minute Pressure | Sands Gas From |
|---------|--------|---------|-------------------------|----------------|
| 11/10   | Water  | 1"      | 24977                   | Fourth & Fifth |

#### AFTER REPAIRS

#### VOLUME TEST

| Date of Test  | Flow Meter | Size of Opening | PITOT TUBE |             | OPEN FLOW<br>Lbs. | Sands Gas From                              |
|---------------|------------|-----------------|------------|-------------|-------------------|---|
|               |            |                 | Reading    | Liquid Used |                   |   |
| Dec. 29, 1933 |            | 1 1/2           | 22/10      | Water       | 79376             | Injun, 50ft. 30ft.<br>4th, 5th. & Speechley |
| Time Blown    |            |                 |            |             |                   |   |

#### PRESSURE TEST

| Date of Test | Opening       | 1 Min. | 2 Min. | 3 Min. | 4 Min. | 5 Min. | 6 Min. | 7 Min. | 8 Min. | 9 Min. | 10 Min. | 30 Min. | 60 Min. | 1 Hr. | Rock |
|--------------|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|-------|------|
| 12-29-33     | 5 3/16 Casing | 0      | 2      | 2      | 5      | 6      | 7      | 8      | 10     | 10     | 11      | 25      | 49      | 24    | 25   |
|              | " Tubing      |        |        |        |        |        |        |        |        |        |         |         |         |       |      |

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Reactive Gas Company  
REPAIR RECORD

Well No. 605  
Name of Well  
Location  
County

History of work done on well # 605 in regard to running 5-3/16" casing.

Run 2178 ft. 5-3/16" casing with 5-3/16" Steel ~~XXXX~~ casing shoe on shoulder, with 6 ft. 5-3/16" Perforation set at 2167 ft. Unscrewed 5-3/16" casing at 1500 ft. which we had a right & left hand nipple at this point, pulled 1500 ft. 5-3/16" casing and rerun on 5-3/16" Steel casing shoe and 6-5/8 x 5-3/16" Anchor Packer with 5'8" of 5-3/16" Perforation at 1465 ft. Packer set at ~~1465~~ 1460 ft. bringing Injun, 50ft. 30ft., 4th. 5th. & Speechley sand gas in 5-3/16" casing.

Table with multiple columns and rows, containing faint text and data, likely a log or ledger.

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*Handwritten signature and date:*  
2-3-18

08/19/2016



# Reserve Gas Company

## DEFECTIVE WELL

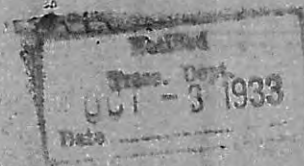
No. 605.....

## Report and Instructions

### Estimate Cost of Repairs.

|                             |           |
|-----------------------------|-----------|
| Cost of Hauling Rig & Tools | \$ 135.00 |
| Cost of Building Rig        | 150.00    |
| Cost of Labor on Repairs    | 220.00    |
|                             | <hr/>     |
|                             | 555 00    |

This well was drilled Dec.14,1916. and has never been cleaned out, it now requires bailing very often ~~in~~ in order to produce any gas, as the 8" tubing has gone bad letting water in on 4th & 5th sand gas. also 6-5/8" Casing is leaking.



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33015257

150 yds 12-9

N. S. 11 E. 12 W.

7965

# Reserve Gas Company

Well No. ~~605~~

## Report on Defective Well

Harrison Working District

Name Sarrah Bogassa

193 Coal

160 a

Harrison County

| ORIGINAL TEST |         |        |         |      |             | TEST TAKEN FOR THIS REPORT |         |        |         |      |             |
|---------------|---------|--------|---------|------|-------------|----------------------------|---------|--------|---------|------|-------------|
| Date          | Reading | Liquid | Opening | Rock | Sand        | Date                       | Reading | Liquid | Opening | Rock | Sand        |
| 12-14-16      | 6/10    | Mer.   | 2       | 230  | Inj, 50'30" | 9-14-33                    | No Test | Water  | 1"      |      | Inj, 50'30" |
| "             | 4/10    | Mer.   | 2       | 170  | 4th & 5th.  | "                          | 11/10   | Water  | 1 1/2"  |      | 4th & 5th.  |

### Record of Casing and Tubing in this Well:

13 inch..... 10 inch..... 8 1/4 inch..... 6 3/8 inch..... 1455..... 5 1/8 inch..... Tubing } ..... of ..... inch  
 ..... of 2 inch

### History of Well:

Depth of Pittsburgh Coal Below Original Depth 2424 Present Depth 2424  
 Well Producing { Gas Inj, 50'30' 4th, 5th sand at depths of { 1465-1955-2046 Condition of Rig: None  
 { Oil ..... Sand { 2295- 2375  
 Well has made..... bbl. of Oil from..... Sand. Now making..... bbl. Weekly  
 (Daily-Weekly-Monthly) Daily by..... (How Produced)

Amount of cavings in hole:..... Amount of Water:..... Amount of Oil:.....  
 bailed Test before Bailing, No Test Water Opn.  
 Date well ~~shut~~ out: Sept. 14, 1933 Result: after Bailing 11/10 water 1" Opn. (FM)

| Date of Shot | Size   | Sand | Result                  |
|--------------|--------|------|-------------------------|
| 12-11-16     | 30 ct. | 5th. | 66/10 water 3" opening. |

What should be done with well in my opinion: uban out & Report  
6 3/8 casing slipping to 2" tubing some had letting water  
run on 4 1/2" & 5th sand gas supply from string 5 1/2" casing  
back 6 3/8 casing slipping  
Gas casing up inside 6 3/8 opening  
 Date Sept. 14, 1933 District Superintendent A. J. Hertz

I would recommend clean out and repair  
 Date Sept. 18, 1933 Division Superintendent J. J. [Signature]  
 Approved [Signature] General Superintendent

Instructions from Pittsburgh office—Repair as per recommendation of Superintendent.

Date SEP 20 1933 General Manager R. C. [Signature]

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33015257



# RESERVE GAS COMPANY

## ORIGINAL WELL RECORD 7965

FARM *Land* WELL No. *7965*  
 DIST. *Zamora* CO., W. VA. *OT*  
 DRILLING COMMENCED *Oct 21 1914*  
 DRILLING COMPLETED *Dec 8 1914*  
 CONTRACTOR *H. B. ...*

| FORMATION      | TOP  | BOTTOM | FORMATION             | TOP  | BOTTOM |
|----------------|------|--------|-----------------------|------|--------|
| Native Coal    |      |        | <i>shaly</i><br>Squaw | 1575 | 1588   |
| Pgh. Coal      |      |        | Berea                 | 1645 |        |
| Little Dunkard |      |        | Gantz                 |      |        |
| Big Dunkard    |      | 700    | Fifty Foot            | 1720 | 1920   |
| Gas Sand       | 745  | 765    | Thirty Foot           | 2043 | 2063   |
| 1st Salt Sand  | 770  | 840    | Gordon Stray          | 2111 | 2180   |
| 2nd Salt Sand  | 880  | 915    | Gordon                | 2183 | 2272   |
| Maxon          | 920  | 1010   | Fourth                |      | 2270   |
| Little Lime    | 1357 | 1348   | Fifth                 | 2374 | 2387   |
| Pencil Cave    | 1348 | 1343   | Bayard                |      |        |
| Big Lime       | 1343 | 1438   |                       |      |        |
| Big Injun      | 1433 | 1523   |                       |      |        |
|                |      |        | Total Depth           | 2424 |        |

| CASING SIZE | PUT IN WELL |        | PULLED OUT |        | LEFT IN WELL |        |
|-------------|-------------|--------|------------|--------|--------------|--------|
|             | FEET        | INCHES | FEET       | INCHES | FEET         | INCHES |
|             |             |        |            |        |              |        |
|             |             |        |            |        |              |        |
|             |             |        |            |        |              |        |

HAVE DRILLERS O. K. FOR AMOUNT OF HOLE DRILLED BY THEM.

*H. B. ...*  
*...*  
 OVER

REMARKS:

49' Hard 2163  
31' Hard 2163

2' Pink 2210

Steel line measurements should be made of Top and Bottom of Pittsburgh Coal and all the principal sands.  
Under Remarks note if any of principal sands are not found and if any peculiarities in sands, as looser or harder than ordinary, etc.  
If any coal, other than native or Pittsburgh be found, give steel line measurements of Top and Bottom and nature of coal.  
Note if water found is fresh or salt.

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Form # 7965 Record of Reserve Gas Co. Company 3301525P  
 Well No. 1047 Location Narrison District W.Va.  
 Located on Sarah Boggess Farm  
 District Coal County Narrison State W. Va.  
 Location Made Feb 2, 1916 First Work Done April 15-16  
 Rig Commenced Aug 9, 1916 Rig Completed Aug 15, 1916  
 Drilling Commenced Oct 21, 1916 Drilling Completed Dec 3, 1916  
 Rig Contractor Reserve Gas Co. Drilling Contractor Wm. Hopson  
 Drillers John Hopson I. S. M. S. Co. Tools, String No. L. S. Heimberg  
 Tool Dressers W. D. Huffman Wm. Huffman

| FORMATION       | TOP   | BOTTOM | Steel Line Measurements | Water Faced Depth | Oil Faced Depth | Gas Faced Depth | REMARKS       |
|-----------------|-------|--------|-------------------------|-------------------|-----------------|-----------------|---------------|
| Active Coal     |       |        |                         |                   |                 |                 |               |
| Pittsburg Coal  | Below |        |                         |                   |                 |                 |               |
| Little Dunkard  | 4.00  | 4.30   | 4.00                    |                   |                 |                 |               |
| Big Dunkard     | 5.05  | 7.05   | 5.05                    |                   |                 |                 |               |
| Gas Sand        | 7.45  | 7.65   | 7.45                    |                   |                 |                 |               |
| First Salt      | 7.80  | 8.40   | 7.80                    | 8.30              |                 |                 |               |
| Second Salt     | 8.50  | 9.5    | 8.50                    | 8.55              |                 |                 |               |
| Reason 3rd Salt | 9.40  | 10.10  | 9.40                    |                   |                 |                 |               |
| Little Lime     | 13.57 | 13.78  | 13.57                   |                   |                 |                 |               |
| encil Cave      | 13.78 | 13.83  | 13.78                   |                   |                 |                 |               |
| Big Lime        | 13.83 | 14.38  | 13.83                   |                   |                 |                 |               |
| Big Injun       | 14.38 | 15.43  | 14.38                   |                   |                 | 14.65           |               |
| quav (shelly)   | 15.75 | 15.88  | 15.75                   |                   |                 |                 |               |
| terea           | 16.45 | 16.75  | 16.45                   |                   |                 |                 |               |
| tantz           |       |        |                         |                   |                 |                 |               |
| fifty Foot      | 19.30 | 19.73  | 19.30                   |                   |                 | 19.55           | 6% Mercury 2" |
| thirty Foot     | 20.43 | 20.63  | 20.43                   |                   |                 | 20.46           | opening.      |
| Jordon Stray    | 21.61 | 21.80  | 21.61                   |                   |                 |                 |               |
| Jordon          | 21.83 | 22.22  | 21.83                   |                   |                 |                 |               |
| fourth          | 22.25 | 22.90  | 22.25                   |                   |                 | 22.85           | 4% Mercury 2" |
| fifth           | 23.74 | 23.87  | 23.74                   |                   |                 | 23.75           | opening.      |
| bayard          |       |        |                         |                   |                 |                 |               |
| Total Depth     |       | 24.24  |                         |                   |                 |                 |               |

| SIZE      | Charged to Well |     | Put in Well |     | Pulled Out |     | Left in Well |     | Transferred Before Completing |     | Left at Well Not in Use |     | If more than two strings of casing are left in hole, give reasons for leaving additional strings |
|-----------|-----------------|-----|-------------|-----|------------|-----|--------------|-----|-------------------------------|-----|-------------------------|-----|--|
|           | Feet            | In. | Feet        | In. | Feet       | In. | Feet         | In. | Feet                          | In. | Feet                    | In. |  |
| 13" Cag.  |                 |     |             |     |            |     |              |     | 188                           | 5   |                         |     |  |
| 10" "     | 188             | 5   |             |     |            |     |              |     |                               |     | 1174                    | 11  |  |
| 8 1/2" "  | 1174            | 11  | 1078        |     | 1078       |     |              |     |                               |     |                         |     | Steel Line 14453   |
| 6 5/8" "  | 1526            | 9   | 1455        | 6   |            |     | 1455         | 6   |                               |     |                         |     |  |
| 5 3/16" " |                 |     |             |     |            |     |              |     | 15                            |     |                         |     | Steel Line 2424  |
| 2" Tbg.   | 2445            | 6   | 2430        | 6   |            |     | 2430         | 6   |                               |     |                         |     |  |

PACKER RECORD

| SIZE          | KIND   | Amount Anchor | Amount Above Anchor | REMARKS |
|---------------|--------|---------------|---------------------|---------|
| 5 3/16 x 2    | Anchor | 212 1/2       | 2217 1/2            |         |
| 5 1/8 x 8 1/4 | B.T.   |               |                     |         |

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

| DATE    | Quarts | 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 |                                 |                 |
| 2-11-16 | 30     | 2374         | 2385 1/2        | 4"       | 5th  | 470              | Water  | 3       | 6 1/2           | Water  | 3       | 1 Hr.                           | Marilla Jaspard |

CEMENTING RECORD

Date Cemented..... Site Hole Cemented..... Office of Oil and Gas  
 Top Pittsburg Coal..... Top Cementing..... Amount Cement Used.....  
 Bottom Pittsburg Coal..... Well Book Bottom Cementing.....  
 Mr. .... of ..... Coal Company on ground when coal was cemented  
 Remarks:.....  
 Lease Book.....  
 Wall Map JAN 27 1917 T.O.I.  
 Mine Map FEB 10 1917 A.J.D.  
 Sheets..... FEB 5 1917 E.E.S.  
 WV Department of Environmental Protection

Approved by Wm. Huffman Foreman 08/19/2016

NTY. Harrison  
 LOCATED Feb. 3, 1916  
 COMMENCED Apr. 15, 1916  
 COMPLETED Dec. 9, 1916  
 CONTRACTOR Wm. Hogan \$ 1.15 Per Foot  
 PURCHASED FROM # 47-033-1525  
 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  
 MERGER 12/29 TO HOPE NATURAL GAS CO. \*

| FORMATION             | TOP   | BOTTOM                             | OIL AT | GAS AT | WATER AT | FRESH OR SALT |
|-----------------------|-------|------------------------------------|--------|--------|----------|---------------|
| Pittsburgh Coal       | Below |                                    |        |        |          |               |
| Dunkard Sand          | 745   | 705 (430-505)                      |        |        |          |               |
| Salt Sand             | 780   | 1010 (840-950)                     |        |        | 830      |               |
| Maxon Sand            | 1377  | 1438 (915-940)                     |        |        | 855      |               |
| Injun Sand            | 1438  | 1543                               |        | 1465   |          |               |
| Berea Sand            | 1645  | 1675                               |        |        |          |               |
| Gantz Sand            |       |                                    |        |        |          |               |
| Fifty Foot Sand       | 1930  | 1973                               |        | 1955   |          |               |
| Thirty Foot Sand      | 2043  | 2063                               |        | 2046   |          |               |
| Stray Sand            | 2161  | 2180                               |        |        |          |               |
| Gordon Sand           | 2183  | 2222                               |        |        |          |               |
| Fourth Sand           | 2225  | 2290                               |        | 2285   |          |               |
| Fifth Sand            | 2374  | 2387                               |        | 2375   |          |               |
| Spec. 1st Beyond Sand | 3073  | 3085                               |        | 3076   |          |               |
| TOTAL DEPTH           |       | 2474 D.L.<br>Jeeper 31.16 12/29/30 |        |        |          |               |

| SIZE          | PUT IN WELL | PULLED | CEMENTED    |
|---------------|-------------|--------|-------------|
| 18 in. Casing | SALEM       |        | Date        |
| 10 in. Casing |             |        | Size Casing |
| 8 in. Casing  | 1078        | 1078   | Top         |
| 6 in. Casing  | 1455'6"     |        | Bottom      |
| 5 in. Casing  | 2178        |        |             |
| 4 in. Tubing  | 2430'6"     | 2430'  |             |
| 3 in. Tubing  |             |        |             |
| 2 in. Tubing  |             |        |             |

**SHOOTING**

| DATE     | QTS. | SAND   | VOLUME BEFORE | VOLUME AFTER |
|----------|------|--------|---------------|--------------|
| 12-11-16 | 30   | Fifth  | 700,000       | 880,000      |
| 12-15-33 | 20   | Spelly | 83010         | 793          |

**Elevation 1120'** **VOLUME AND PRESSURE TESTS** **PACKERS**

| DATE TAKEN     | READING | LIQUID | OPENING | POUNDS PRESSURE | 1 MIN. | 5 MIN. | 10 MIN. | 30 MIN. | 60 MIN. | ROCK | VOLUME  | SAND                      | SIZE | MAKE | SET |
|----------------|---------|--------|---------|-----------------|--------|--------|---------|---------|---------|------|---------|---------------------------|------|------|-----|
| Dec 1 1916     | 8/10    | M.     | 2"      |                 |        |        |         |         |         |      | 497,280 | 30 ft.                    | 5x7  | A.   | 221 |
| " 9 "          | 14/10   | "      | 2"      |                 |        |        |         |         |         |      | 655,776 | " x Fifth                 | 6x8  | B.H. |     |
| " 11 "         | 66/10   | Ch.    | 3"      |                 |        |        |         |         |         |      | 880,000 | " "                       | 6x5  | A.J. | 146 |
| F " 14 "       | 6/10    | M.     | 2"      |                 | 70     | 100    | 180     | 200     | 230     |      | 431,040 | Injun 50ft. x 30ft.       | 2-5' | Flow |     |
| F " 14 "       | 4/10    | "      | 2"      | 40              | 85     | 90     | 105     | 135     | 170     |      | 350,880 | 4th x 5th                 |      |      |     |
| Oct 5 1920     | 11/10   | H.     | 2"      | 27              | 50     | 57     | 70      | 75      | 85      |      | 157,440 | " "                       | "    |      |     |
| Jan 7 1922     | 6/10    | H.     | 2"      | 10              | 38     | 38     | 50      | 55      | 72      |      | 115,968 | " "                       | "    |      |     |
| May 29 "       | 4/10    | H.     | 2"      | 18              | 32     | 38     | 50      | 52      |         |      | 94,560  | " "                       | "    |      |     |
| John 11 1924 B | 60/10   | Ch.    | 1"      |                 |        |        |         |         |         |      | 92,160  | Injun 50ft. x 30ft.       |      |      |     |
| " 11 "         | 65/10   | "      | 1"      |                 |        |        |         |         |         |      | 97,000  | Fifth                     |      |      |     |
| May 12 1925 B  | 40/10   | "      | 1"      | 4               | 9      | 16     | 38      | 60      | 90      |      | 76,080  | Injun 50ft. x 30ft.       |      |      |     |
| " 12 "         | 29/10   | "      | 1"      | 6               | 16     | 22     | 30      | 34      | 49      |      | 65,000  | Fifth                     |      |      |     |
| Jul 31 1929 B  | 37/10   | "      | 1"      | 2               | 10     | 20     | 35      | 45      |         |      | 67,252  | do                        |      |      |     |
| John 11 1937 B | 24/10   | "      | 1"      | 2               | 13     | 18     | 24      | 35      |         |      | 36,893  | do                        |      |      |     |
| Dec 29 1933    | 22/10   | "      | 1 1/2"  | 0               | 6      | 11     | 25      | 49      | 85      |      | 79,376  | Inj. 50' x 30' 4' x 5' 2' |      |      |     |
| Sept. 4- 1943  | 0-30/10 | "      | 1" P.M. | 1               | 5      | 10     | 30      | 34      | -       |      | 41,222  | " " " " "                 |      |      |     |

**INITIAL OIL PRODUCTION**

| DATE | BARRELS | SAND |
|------|---------|------|
|      |         |      |
|      |         |      |
|      |         |      |



OP-3  
Re. 1/12

BOOK NUMBER CMS0260748

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
BLANKET BOND FOR OIL OR GAS WELLS,  
LIQUID INJECTION WELLS OR WASTE DISPOSAL WELLS

KNOW ALL MEN BY THESE PRESENTS:

(1) That we, CNX Gas Company LLC

(2) CNX Center, 1000 CONSOL Energy Drive, Canonsburg, PA 15317-6506

As Principal, and (3) RLI Insurance Company

(4) P.O. Box 3987, Peoria, IL 61612

a firm and/or a corporation authorized to do business in the State of West Virginia, as Surety, are held and firmly bound unto the State of West Virginia in the just and full sum of (5) two hundred and fifty thousand dollars (\$ 250,000) to the payment whereof well and truly to make, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the above bound Principal in pursuance of the provisions of Chapter 22, Article 6 and/or 6A, of the Code of West Virginia, 1931, as amended, and the regulations promulgated thereunder, has made or intends to make application to the Chief of the Office of Oil and Gas, Department of Environmental Protection, the State of West Virginia for a permit to perform well work (as defined in Chapter 22, Article 6 and/or 6A), on oil or gas wells and/or liquid injection wells and/or waste disposal wells, or has acquired or purchased, or shall hereafter acquire or purchase such wells, or has been or shall be assigned operating responsibility, for such wells located in West Virginia; and

WHEREAS, THE Coligee as a condition precedent to the issuance of such Permit or release of other obligation has required the Principal to furnish a SURETY BOND acceptable to the Coligee guaranteeing the performance of said provisions of Chapter 22, Article 6 or 6A, of the Code of West Virginia, 1931, as amended, and the regulations promulgated thereunder;

NOW THEREFORE, the condition of this obligation is such that if the Principal, its personal representatives, successors, heirs and assigns shall in performing well work (as defined in Chapter 22, Article 6 and/or 6A) or operating such wells shall furnish all reports, information and affidavits as may be required by the Department of Environmental Protection, Office of Oil and Gas, documenting that said wells have been plugged and abandoned in accordance with Chapter 22, Article 6, of the Code of West Virginia, 1931, as amended, and the regulations promulgated thereunder, then this obligation to be void; otherwise to remain in full force and effect.

This bond shall be effective from the (11) 02nd day of May, 2012, until released by the Department of Environmental Protection.

IN WITNESS WHEREOF the said Principal has hereunder set his or its hand and affixed his or its seal, and the said surety has caused its corporate name to be signed hereto and its corporate seal to be hereunto affixed by its duly authorized officer or agent this instrument this (12) 02nd day of May, 2012.

(15) Principal (13) CNX Gas Company LLC (Seal)  
Corporate Seal (Principal)

(14) By: Nicholas J. DeIuliis  
(Title) Nicholas J. DeIuliis, Manager  
(Must be President or V. President)

(18) Surety: (16) RLI Insurance Company (Seal)  
Corporate Seal (Surety)

(17) P. Candra L. Horn  
Candra L. Horn, Attorney-In-Fact

19) Countersigned: NA  
(Resident West Virginia Agent)

(20) Address: \_\_\_\_\_

(21) Telephone: \_\_\_\_\_

RECEIVED  
Office of Oil and Gas  
MAY 02 2016  
WV Department of  
Environmental Protection  
08/19/2016

(I.E. EISE)

ACKNOWLEDGMENTS

Acknowledgment by Principal If Individual or Partnership

- 1. STATE OF \_\_\_\_\_
- 2. County of \_\_\_\_\_ to-wit:
- 3. I, \_\_\_\_\_, a Notary Public in and for the
- 4. county and state aforesaid, do hereby certify that \_\_\_\_\_ whose name is signed to the foregoing writing, has this day acknowledged the same before me in my said county.
- 5. Given under my hand this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.
- 6. Notary Seal \_\_\_\_\_  
(Notary Public)
- 8. My commission expires on the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.

Acknowledgment by Principal If Corporation or Limited Liability Company

- 9. STATE OF Pennsylvania
- 10. County of Washington to-wit:
- 11. I, Kathryn A. Galie, a Notary Public in and for the
- 12. county and state aforesaid, do hereby certify that Nicholas J. DeLuliis
- 13. who as, Manager signed the foregoing writing for
- 14. CNX Gas Company, LLC a corporation/LLC, has this day, in my said county, before me, acknowledged the said writing to be the act and deed of the said corp/LLC.
- 15. Given under my hand this 3rd day of May 2012
- 16. Notary Seal Kathryn A. Galie, Notary Public  
(Notary Public)  
My Commission Expires Oct. 1, 2015
- 17. Kathryn Galie
- 18. My commission expires on the October day of \_\_\_\_\_ 2015

Acknowledgment by Surety

- 19. STATE OF Missouri
- 20. County of St. Louis City to-wit:
- 21. I, JoAnn R. Frank, a Notary Public in and for the
- 22. county and state aforesaid, do hereby certify that Sandra L. Ham
- 23. who as, Attorney-In-Fact signed the foregoing writing for
- 24. RLI Insurance Company a corporation has this day, in my said county, before me, acknowledged the said writing to be the act and deed of the said corporation.
- 25. Given under my hand this 02nd day of May 2012
- 26. Notary Seal JoAnn R. Frank  
(Notary Public)  
My Commission Expires June 20, 2014
- 27. JoAnn R. Frank
- 28. My commission expires on the 20th day of June 2014

Sufficiency in Form and Manner Of Execution Approved

This \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_

Attorney General

By \_\_\_\_\_ (Assistant Attorney General)





RLI Surety  
P.O. Box 3967 | Peoria, IL 61612-3967  
Phone: (800)645-2402 | Fax: (309)689-2036  
www.rlicorp.com

# POWER OF ATTORNEY

## RLI Insurance Company

**Know All Men by These Presents:**

That this Power of Attorney is not valid or in effect unless attached to the bond which it authorizes executed, but may be detached by the approving officer if desired.

That **RLI Insurance Company**, an Illinois corporation, does hereby make, constitute and appoint:

Pamela A. Beelman, Cynthia L. Choren, Heidi A. Notheisen, Debra C. Schneider, JoAnn R. Frank, Karen L. Roider, Sandra L. Ham,  
jointly or severally.

in the City of Saint Louis, State of Missouri its true and lawful Agent and Attorney in Fact, with full power and authority hereby conferred, to sign, execute, acknowledge and deliver for and on its behalf as Surety, the following described bond.

Any and all bonds provided the bond penalty does not exceed **Twenty Five Million Dollars (\$25,000,000.00)**.

The acknowledgment and execution of such bond by the said Attorney in Fact shall be as binding upon this Company as if such bond had been executed and acknowledged by the regularly elected officers of this Company.

The **RLI Insurance Company** further certifies that the following is a true and exact copy of the Resolution adopted by the Board of Directors of **RLI Insurance Company**, and now in force to-wit:

"All bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or Agents who shall have authority to issue bonds, policies or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile."

IN WITNESS WHEREOF, the **RLI Insurance Company** has caused these presents to be executed by its Vice President with its corporate seal affixed this 11th day of July, 2011.



**RLI Insurance Company**

By: [Signature]  
Roy C. Die Vice President

State of Illinois }  
County of Peoria } SS

On this 11th day of July, 2011, before me, a Notary Public, personally appeared Roy C. Die, who being by me duly sworn, acknowledged that he signed the above Power of Attorney as the aforesaid officer of the **RLI Insurance Company** and acknowledged said instrument to be the voluntary act and deed of said corporation.

By: [Signature]  
Cherie L. Montgomery Notary Public



2433313020212

**CERTIFICATE**

I, the undersigned officer of **RLI Insurance Company**, a stock corporation of the State of Illinois, do hereby certify that the attached Power of Attorney is in full force and effect and is irrevocable; and furthermore, that the Resolution of the Company as set forth in the Power of Attorney, is now in force. In testimony whereof, I have hereunto set my hand and the seal of the **RLI Insurance Company** this 02nd day of May.

**RECEIVED**  
Office of Oil and Gas  
**RLI Insurance Company**  
By: [Signature]  
Roy C. Die Vice President  
WV Department of Environmental Protection

MAY 02 2016

08/19/2016

WW-4A  
Revised 6-07

1) Date: August 5, 2015  
2) Operator's Well Number  
7965

3) API Well No.: 47 - 033 - 01525

**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>Marilyn D. Hamrick</u> | Name <u>See Attached</u>           |
| Address <u>RR 6 Box 238</u>        | Address _____                      |
| <u>Clarksburg, WV 26301</u>        | _____                              |
| (b) Name _____                     | (b) Coal Owner(s) with Declaration |
| Address _____                      | Name <u>See Attached</u>           |
| _____                              | Address _____                      |
| (c) Name _____                     | Name _____                         |
| Address _____                      | Address _____                      |
| _____                              | _____                              |
| 6) Inspector <u>Sam Ward</u>       | (c) Coal Lessee with Declaration   |
| Address <u>P.O. Box 2327</u>       | Name <u>None of Declaration</u>    |
| <u>Buckhannon, WV 26201</u>        | Address _____                      |
| Telephone <u>304-389-7583</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: Matthew Hanley *Matthew Hanley*  
 Its: Permitting Manager  
 Address 1000 CONSOL Energy Drive  
Canonsburg, PA 15317  
 Telephone 724-485-3011 - Matthew Hanley, Permitting Manager

Subscribed and sworn before me this 27<sup>th</sup> day of April, 2016  
Ruthanne L. Jursa  
 My Commission Expires 10-29-2017

RECEIVED  
 Office of Oil and Gas  
 COMMONWEALTH OF PENNSYLVANIA  
 Notarial Seal  
 Ruthanne L. Jursa, Notary Public  
 Cecil Twp., Washington County  
 My Commission Expires Oct. 29, 2017  
 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES  
 WV Department of Environmental Protection

**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).



**Attachment WW-4A – for P&A Well #7965**

**Coal Owner(s) and Coal Operator(s):**

Consolidation Coal Company  
1000 Consol Energy Drive  
Canonsburg, PA 15317

Three Musketeers Inc./  
Tripple Enterprise, LLC  
P.O. Box 466  
Lumberport, WV 26386

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WV Department of  
Environmental Protection

08/19/2016

**SURFACE OWNER WAIVER**

Operator's Well  
Number

7965

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A**

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.  
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

**Time Limits and methods for filing comments.** The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials. I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON  
ETC

RECEIVED  
Office of Oil and Gas  
FOR EXECUTION BY A CORPORATION,  
MAY 02 2015

Marilyn D. Hamrick Date 3-17-15  
Signature By Its

\_\_\_\_\_  
WV Department of  
Environmental Protection  
\_\_\_\_\_  
Date

Signature

Date  
**08/19/2016**



WW-9  
(2/15)

API Number 47 - 033 - 01525  
Operator's Well No. 7965

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name CNX Gas Company LLC OP Code 494458046

Watershed (HUC 10) Limestone Run Quadrangle Wolf Summit

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No

Will a pit be used? Yes  No  Steel Container / Rolloff Box MTN

If so, please describe anticipated pit waste: Fluids associated with the plugging of existing gas wells

Will a synthetic liner be used in the pit? Yes  No  If so, what 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 Waste Management or Ryan Environmental will use vacuum trucks, and properly dispose of fluid and waste returns.)

*SDW  
4/11/16*

Will closed loop system be used? If so, describe: \_\_\_\_\_

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. \_\_\_\_\_

-If oil based, what type? Synthetic, petroleum, etc. \_\_\_\_\_

Additives to be used in drilling medium? \_\_\_\_\_

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. \_\_\_\_\_

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) \_\_\_\_\_

-Landfill or offsite name/permit number? \_\_\_\_\_

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

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 *Matthew Hanley*

Company Official (Typed Name) Matthew Hanley

Company Official Title Manager - Gas Permitting

RECEIVED  
Office of Oil and Gas

MAY 02 2016

Subscribed and sworn before me this 27<sup>th</sup> day of April, 20 16

*Katherine L. Jursa* Notary Public

My commission expires 10-29-2017

WV Department of  
Environmental Protection

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Katherine L. Jursa, Notary Public  
Cecil Twp., Washington County  
My Commission Expires 10-29-2017  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

CNX Gas Company LLC

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 type Granular or Liquid

Fertilizer amount 500 lbs/acre

Mulch hay or straw @ 2 Tons/acre

Seed Mixtures

| Temporary         |          | Permanent         |          |
|-------------------|----------|-------------------|----------|
| 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 (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by:

*Sal Dwanett*

Comments:

RECEIVED  
Office of Oil and Gas

MAY 02 2016

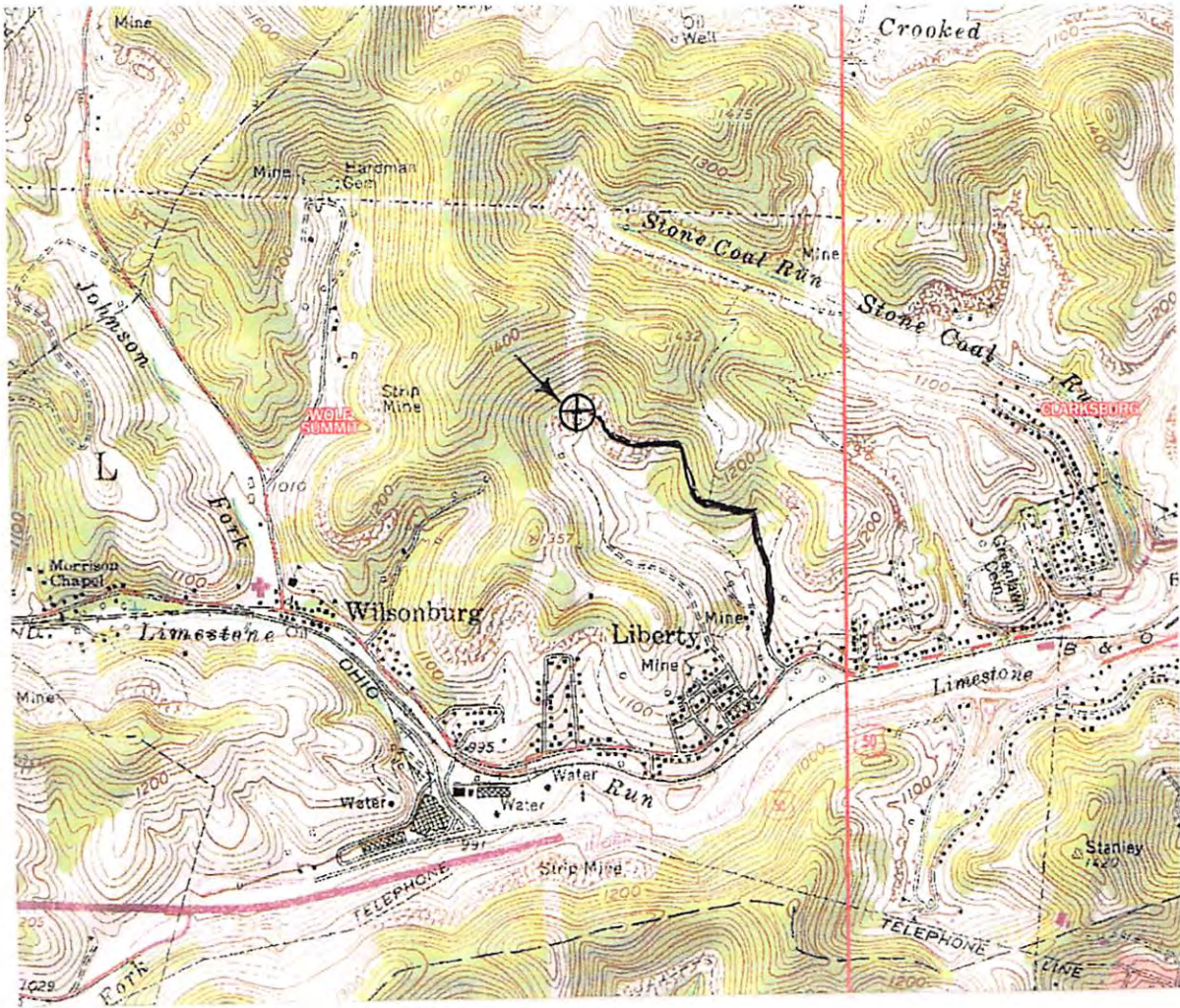
Title: OOG Inspector

Date: 4/11/16

Field Reviewed? ( ) Yes (X) No

WV Department of  
Environmental Protection



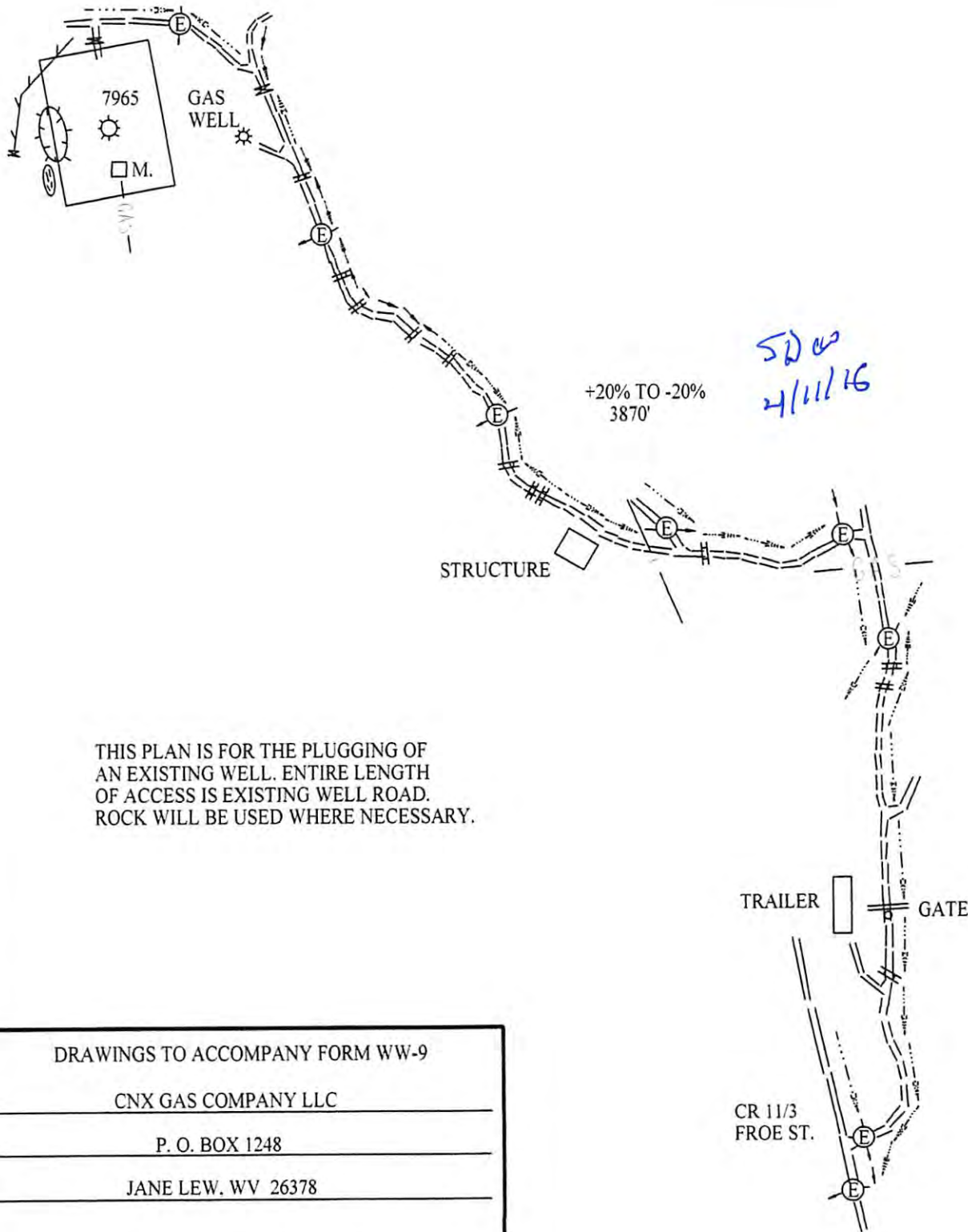


SDW  
4/11/16

|   |   |
|---|---|
| DRAWINGS TO ACCOMPANY FORM WW-9             |   |
| CNX GAS COMPANY LLC                         |   |
| P. O. BOX 1248                              |   |
| Office of Oil and Gas<br>JANE LEW, WV 26378 |   |
| MAY 02 2016                                 |   |
| WATERSHED:                                  | LIMESTONE RUN                                     |
| DISTRICT:                                   | COAL<br>WV Department of Environmental Protection |
| QUADRANGLE:                                 | WOLF SUMMIT                                       |
| WELL NO.:                                   | 7965  |
| DATE:                                       | 11/19/14  |
| PAGE  | of  |

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





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

|                                 |                            |
|---------------------------------|----------------------------|
| DRAWINGS TO ACCOMPANY FORM WW-9 |                            |
| CNX GAS COMPANY LLC             |                            |
| P. O. BOX 1248                  |                            |
| JANE LEW, WV 26378              |                            |
| WATERSHED:                      | LIMESTONE RUN              |
| DISTRICT:                       | COAL COUNTY: HARRISON      |
| QUADRANGLE:                     | WOLF SUMMIT WELL NO.: 7965 |
| DATE:                           | 11/19/14 PAGE ___ of ___   |

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

WW-7  
5-02



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

API: 47-033-01525 WELL NO.: 7965  
FARM NAME: S. BOGCESS  
RESPONSIBLE PARTY NAME: CNX GAS COMPANY LLC  
COUNTY: HARRISON DISTRICT: COAL  
QUADRANGLE: WOLF SUMMIT  
SURFACE OWNER: MARILYN D. HAMRICK  
ROYALTY OWNER: CNX GAS COMPANY LLC  
UTM GPS NORTHING: 4,350,065.97 METERS  
UTM GPS EASTING: 553,029.96 METERS GPS ELEVATION: 340.88 METERS (1118')

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

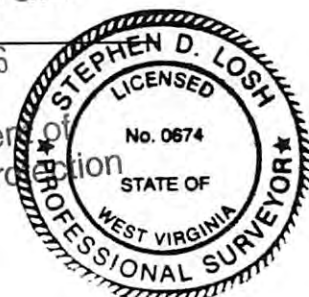
I the undersigned hereby state this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulation issued and prescribed by the Office of Oil and Gas.

Signature [Handwritten Signature]  
Stephen D. Losh, PS #674

Title WV Professional Surveyor #674

Date 11/19/14

RECEIVED  
Office of Oil and Gas  
MAY 02 2016  
WV Department of Environmental Protection



CNX USE: NAD 27 WV NORTH SPC: 7965 = 291,977.12' 1,749,492.43' ELEV. = 1118.36'

08/19/2016