

**DRILL DATA HOLE - GASCO DRILLING, INC.****COMPANY:** Buchanan Production**HOLE NO.:** X-4**LOCATION:** Little Hurricane Branch**DRILL:** Rig #4**DATE STARTED:** 7/23/01**ELECTRIC LOGGED:** Yes**DATE COMPLETED:** 7/26/01**GROUTED:** Yes

| DEPTH   |         | THICKNESS | STRATA      | REMARKS               |
|---------|---------|-----------|-------------|-----------------------|
| FROM    | TO      | FEET      | DESCRIPTION | VOIDS, ETC.           |
| 0.00    | 5.00    | 5.00      | Overburden  |                       |
| 5.00    | 71.00   | 66.00     | Sandstone   | 23' w/ 12 3/4" Casing |
| 71.00   | 103.00  | 32.00     | Sandy Shale |                       |
| 103.00  | 133.00  | 30.00     | Sandstone   |                       |
| 133.00  | 136.00  | 3.00      | Coal        |                       |
| 136.00  | 170.00  | 34.00     | Sandy Shale |                       |
| 170.00  | 171.00  | 1.00      | Coal        |                       |
| 171.00  | 198.00  | 27.00     | Sandstone   |                       |
| 198.00  | 230.00  | 32.00     | Sandy Shale | 221' w/7" Casing      |
| 230.00  | 259.00  | 29.00     | Sandstone   | TD 8 7/8" Hole        |
| 259.00  | 340.00  | 81.00     | Sandy Shale |                       |
| 340.00  | 341.00  | 1.00      | Coal        |                       |
| 341.00  | 481.00  | 140.00    | Sandy Shale |                       |
| 481.00  | 484.00  | 3.00      | Coal        |                       |
| 484.00  | 590.00  | 106.00    | Sandy Shale |                       |
| 590.00  | 591.00  | 1.00      | Coal        |                       |
| 591.00  | 623.00  | 32.00     | Sandy Shale |                       |
| 623.00  | 625.00  | 2.00      | Coal        |                       |
| 625.00  | 690.00  | 65.00     | Sandy Shale |                       |
| 690.00  | 692.00  | 2.00      | Coal        |                       |
| 692.00  | 847.00  | 155.00    | Sandy Shale |                       |
| 847.00  | 848.00  | 1.00      | Coal        |                       |
| 848.00  | 860.00  | 12.00     | Sandy Shale |                       |
| 860.00  | 861.00  | 1.00      | Coal        |                       |
| 861.00  | 940.00  | 79.00     | Sandy Shale |                       |
| 940.00  | 941.00  | 1.00      | Coal        |                       |
| 941.00  | 957.00  | 16.00     | Sandy Shale |                       |
| 957.00  | 958.00  | 1.00      | Coal        |                       |
| 958.00  | 1048.00 | 90.00     | Sandy Shale |                       |
| 1048.00 | 1049.00 | 1.00      | Coal        |                       |
| 1049.00 | 1083.00 | 34.00     | Sandy Shale |                       |
| 1083.00 | 1240.00 | 157.00    | Sandstone   |                       |
| 1240.00 | 1325.00 | 85.00     | Sandy Shale |                       |
| 1325.00 | 1327.00 | 2.00      | Coal        |                       |
| 1327.00 | 1438.00 | 111.00    | Sandy Shale |                       |
| 1438.00 | 1440.00 | 2.00      | Coal        |                       |
| 1440.00 | 1460.00 | 20.00     | Sandy Shale |                       |

**DRILL DATA HOLE - GASCO DRILLING, INC.****COMPANY:** Buchanan Production**HOLE NO.:** X-4**LOCATION:** Little Hurricane Branch**DRILL:** Rig #4**DATE STARTED:** 7/23/01**ELECTRIC LOGGED:** Yes**DATE COMPLETED:** 7/26/01**GROUTED:** Yes

| DEPTH   |         | THICKNESS | STRATA      | REMARKS            |
|---------|---------|-----------|-------------|--------------------|
| FROM    | TO      | FEET      | DESCRIPTION | VOIDS, ETC.        |
| 1460.00 | 1463.00 | 3.00      | Sandy Shale |                    |
| 1463.00 | 1465.00 | 2.00      | Coal        |                    |
| 1465.00 | 1505.00 | 40.00     | Sandy Shale |                    |
| 1505.00 | 1506.00 | 1.00      | Coal        |                    |
| 1506.00 | 1638.00 | 132.00    | Sandy Shale |                    |
| 1638.00 | 1639.00 | 1.00      | Coal        |                    |
| 1639.00 | 1690.00 | 51.00     | Sandstone   |                    |
| 1690.00 | 1692.00 | 2.00      | Coal        |                    |
| 1692.00 | 1758.00 | 66.00     | Sandy Shale |                    |
| 1758.00 | 1761.00 | 3.00      | Coal        |                    |
| 1761.00 | 1890.00 | 129.00    | Sandy Shale |                    |
| 1890.00 | 2056.00 | 166.00    | Sandstone   |                    |
| 2056.00 | 2082.00 | 26.00     | Sandy Shale |                    |
| 2082.00 | 2085.00 | 3.00      | Coal        |                    |
| 2085.00 | 2118.00 | 33.00     | Sandy Shale |                    |
| 2118.00 | 2181.00 | 63.00     | Sandy Shale |                    |
| 2181.00 | 2182.00 | 1.00      | Coal        |                    |
| 2182.00 | 2222.00 | 40.00     | Sandy Shale |                    |
| 2222.00 | 2223.00 | 1.00      | Coal        |                    |
| 2223.00 | 2286.00 | 63.00     | Sandy Shale |                    |
| 2286.00 | 2380.00 | 94.00     | Sandstone   | 2315' w/4½" Casing |
| 2380.00 | 2408.00 | 28.00     | Sandy Shale |                    |
| 2408.00 | 2410.00 | 2.00      | Red Rock    | TD 6½" Hole        |

2410.00 Ft. Total Depth

23.00 Ft. of 12 3/4" Casing

221.00 Ft. of 7" Casing

2315.00 Ft. of 4½" Casing

**DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC**

**COMPANY: CNX**

**HOLE #: X-4A**

**LOCATION: LEEMASTER**

**DRILL RIG #:90**

**DATE STARTED: 06-05-07**

**DATED COMPLETED: 06-12-07**

**ELECTRIC LOGGED: YES**

**GROUTED: YES**

| DEPTH |      | THICKNESS | STRATA                 | REMARKS |
|-------|------|-----------|------------------------|---------|
| FROM  | TO   | FT        | DESCRIPTION, VOIDS ETC |         |
| 0     | 32   | 32        | OVERBURDEN             |         |
| 32    | 61   | 29        | SAND/SHALE             |         |
| 61    | 92   | 31        | SAND/SHALE/COAL        |         |
| 92    | 123  | 31        | SAND/SHALE             |         |
| 123   | 153  | 30        | SAND/SHALE/COAL        |         |
| 153   | 213  | 60        | SAND/SHALE             |         |
| 213   |      |           |                        |         |
| 213   | 243  | 30        | SAND                   |         |
| 243   | 270  | 27        | SAND                   |         |
| 270   | 330  | 60        | SAND/SHALE/COAL        |         |
| 330   | 390  | 60        | SAND/SHALE             |         |
| 390   | 480  | 90        | SAND/SHALE/COAL        |         |
| 480   | 540  | 60        | SAND/SHALE             |         |
| 540   | 570  | 30        | SAND                   |         |
| 570   | 600  | 30        | SAND/SHALE             |         |
| 600   | 660  | 60        | SAND/SHALE/COAL        |         |
| 660   | 720  | 60        | SAND/SHALE             |         |
| 720   | 730  | 10        | SHALE                  |         |
| 730   | 760  | 30        | SAND/SHALE             |         |
| 760   | 820  | 60        | SHALE/COAL/SHALE       |         |
| 820   | 850  | 30        | SAND/SHALE             |         |
| 850   | 880  | 30        | SHALE/COAL/SHALE       |         |
| 880   | 910  | 30        | SHALE/SAND             |         |
| 910   | 940  | 30        | SAND                   |         |
| 940   | 970  | 30        | SAND/SHALE/COAL/SHALE  |         |
| 970   | 1000 | 30        | SAND/SHALE             |         |
| 1000  | 1030 | 30        | SHALE/COAL/SAND        |         |
| 1030  | 1060 | 30        | SHALE/COAL/SHALE       |         |
| 1060  | 1090 | 30        | SAND/SHALE             |         |
| 1090  | 1150 | 60        | SHALE/COAL/SHALE       |         |
| 1150  | 1180 | 30        | SHALE/SAND             |         |
| 1180  | 1210 | 30        | SAND                   |         |
| 1210  | 1270 | 60        | SHALE/COAL/SHALE       |         |
| 1270  | 1330 | 60        | SAND/SHALE             |         |
| 1330  | 1390 | 60        | SHALE/COAL/SHALE       |         |
| 1390  |      |           |                        |         |
| 1390  | 1450 | 60        | SAND/SHALE             |         |
| 1450  | 1510 | 60        | SAND/SHALE/COAL        |         |
| 1510  | 1600 | 90        | SAND/SHALE             |         |
| 1600  | 1630 | 30        | SAND/SHALE/COAL        |         |
| 1630  | 1720 | 90        | SAND/SHALE             |         |
| 1720  | 1750 | 30        | SAND/SHALE/COAL        |         |

|      |      |     |                       |
|------|------|-----|-----------------------|
| 1750 | 1870 | 120 | SAND/SHALE            |
| 1870 | 1900 | 30  | SAND/SHALE/COAL       |
| 1900 | 1930 | 30  | SAND                  |
| 1930 | 1960 | 30  | SAND/SHALE/COAL       |
| 1960 | 2050 | 90  | SAND                  |
| 2050 |      |     |                       |
| 2050 | 2140 | 90  | SAND                  |
| 2140 | 2170 | 30  | SAND/SHALE/SAND       |
| 2170 | 2200 | 30  | SAND/SHALE/COAL/SHALE |
| 2200 | 2230 | 30  | SHALE/COAL/SHALE      |
| 2230 | 2260 | 30  | SHALE/SAND            |
| 2260 |      |     |                       |
| 2260 | 2285 | 25  | SAND/SHALE            |
| 2285 | 2290 | 5   | COAL P-3              |
| 2290 | 2350 | 60  | SAND/SHALE/COAL       |
| 2350 | 2440 | 90  | SAND/SHALE            |
| 2440 | 2470 | 30  | SAND                  |
| 2470 |      |     |                       |
| 2470 | 2500 | 30  | SAND/SHALE            |
| 2500 | 2560 | 60  | SHALE                 |
| 2560 | 2590 | 30  | SHALE/RED SHALE       |
| 2590 |      |     |                       |

**2590' - TOTAL DEPTH**  
**32' - 13 3/8" CASING**  
**221' - 9 5/8" CASING**  
**2430.70' - 4 1/2" CASING**



# Drill Data Hole - Gasco Drilling, Inc.

|               |                   |
|---------------|-------------------|
| Company       | Consol Energy LLC |
| Location      | Deskins           |
| Date Started  | 9/2/2005          |
| Date Finished | 9/10/2005         |

|                 |       |
|-----------------|-------|
| Hole No.        | X8    |
| Drill No.       | Rig 2 |
| Electric Logged | yes   |
| Grouted         | yes   |

| Depth |      | Thickness | Strata              | Remarks                                                                       |
|-------|------|-----------|---------------------|-------------------------------------------------------------------------------|
| From  | To   | Ft.       | Description         | Voids, Etc.                                                                   |
| 0     | 10   | 10        | Overburden          | 20 ft. with 18" Casing                                                        |
| 10    | 130  | 120       | Sandstone           |                                                                               |
| 130   | 131  | 1         | Coal                |                                                                               |
| 131   | 280  | 149       | Sandyshale          |                                                                               |
| 280   | 281  | 1         | Coal                |                                                                               |
| 281   | 335  | 54        | Sandstone           |                                                                               |
| 335   | 336  | 1         | Coal                |                                                                               |
| 336   | 370  | 34        | Streaked Sandyshale |                                                                               |
| 370   | 371  | 1         | Coal                |                                                                               |
| 371   | 480  | 109       | Sandstone           |                                                                               |
| 480   | 481  | 1         | Coal                | 445 ft. with 13 3/8" Casing                                                   |
| 481   | 550  | 69        | Sandyshale          |                                                                               |
| 550   | 551  | 1         | Coal                |                                                                               |
| 551   | 750  | 199       | Sandstone           |                                                                               |
| 750   | 751  | 1         | Coal                |                                                                               |
| 751   | 945  | 194       | Sandyshale          |                                                                               |
| 945   | 946  | 1         | Coal                |                                                                               |
| 946   | 1045 | 99        | Sandstone           |                                                                               |
| 1045  | 1048 | 3         | Coal                |                                                                               |
| 1048  | 1205 | 157       | Sandyshale          |                                                                               |
| 1205  | 1207 | 2         | Coal                |                                                                               |
| 1207  | 1230 | 23        | Streaked Sandyshale |                                                                               |
| 1230  | 1460 | 230       | Sandstone           |                                                                               |
| 1460  | 1461 | 1         | Coal                |                                                                               |
| 1461  | 1508 | 47        | Streaked Sandyshale |                                                                               |
| 1508  | 1509 | 1         | Coal                |                                                                               |
| 1509  | 1520 | 11        | Sandyshale          |                                                                               |
|       |      |           |                     | Total Depth 1520 ft.<br>20 ft. with 18" Casing<br>445 ft. with 13 3/8" Casing |

COMPANY CNX  
 HOLE Y-4A  
 RIG #: 19  
 LOCATION: BOYD RIDGE  
 DATE STARTED: 9/30/2008  
 DATE COMPLETED: 10/7/2008  
 ELECTRIC LOGGED: YES  
 GROUTED: YES

| DEPTH<br>FROM | THICKNESS<br>TO | FT | STRATA<br>DESCRIPTION, VOIDS ETC. |
|---------------|-----------------|----|-----------------------------------|
| 0             | 9               |    | 9 BROWN SAND                      |
| 9             | 35              |    | 26 SAND                           |
| 35            | 66              |    | 31 SAND/SHALE/COAL                |
| 66            | 97              |    | 31 SAND/SHALE/COAL                |
| 97            | 128             |    | 31 SAND/SHALE/COAL                |
| 128           | 148             |    | 20 SAND/SHALE                     |
| 148           | 150             |    | 2 BROKE UP                        |
| 150           | 158             |    | 8 SAND                            |
| 158           | 188             |    | 30 SAND/SHALE                     |
| 188           | 218             |    | 30 SAND/SHALE/COAL                |
| 218           | 248             |    | 30 SAND/SHALE/COAL                |
| 248           | 278             |    | 30 SAND/SHALE/COAL                |
| 278           | 308             |    | 30 SAND/SHALE                     |
| 308           | 317             |    | 9 SAND/SHALE                      |
| 317           | 330             |    | 13 SAND/SHALE                     |
| 330           | 360             |    | 30 SAND/SHALE/COAL                |
| 360           | 365             |    | 5 SAND/SHALE                      |
| 365           | 395             |    | 30 SAND/SHALE/COAL                |
| 395           | 425             |    | 30 SAND/SHALE/COAL                |
| 425           | 455             |    | 30 SAND/SHALE/COAL                |
| 455           | 485             |    | 30 SAND/SHALE/COAL                |
| 485           | 515             |    | 30 SAND/SHALE/COAL                |
| 515           | 545             |    | 30 SAND/SHALE/COAL                |
| 545           | 575             |    | 30 SAND/SHALE/COAL                |
| 575           | 605             |    | 30 SAND/SHALE                     |
| 605           | 635             |    | 30 SAND/SHALE/COAL                |
| 635           | 665             |    | 30 SAND/SHALE/COAL                |
| 665           | 695             |    | 30 SAND/SHALE                     |
| 695           | 725             |    | 30 SAND/SHALE/COAL                |
| 725           | 755             |    | 30 SAND/SHALE                     |
| 755           | 785             |    | 30 SAND/SHALE/COAL                |
| 785           | 815             |    | 30 SAND/SHALE/COAL                |
| 815           | 845             |    | 30 SAND/SHALE/COAL                |
| 845           | 875             |    | 30 SHALE/COAL/SAND                |

|      |      |                         |
|------|------|-------------------------|
| 875  | 905  | 30 SHALE/SAND           |
| 905  | 935  | 30 SAND/SHALE/COAL      |
| 935  | 965  | 30 SAND/SHALE           |
| 965  | 995  | 30 SAND/SHALE           |
| 995  | 1025 | 30 SAND/SHALE           |
| 1025 | 1055 | 30 SHALE/SAND           |
| 1055 | 1085 | 30 SAND/COAL/SHALE      |
| 1085 | 1115 | 30 SAND/COAL/SHALE      |
| 1115 | 1145 | 30 SAND/COAL/SHALE      |
| 1145 | 1175 | 30 SAND/COAL/SHALE      |
| 1175 | 1205 | 30 SHALE/SAND/COAL      |
| 1205 | 1235 | 30 SHALE/SAND           |
| 1235 | 1265 | 30 SAND/SHALE           |
| 1265 | 1295 | 30 SAND/SHALE           |
| 1295 | 1325 | 30 SAND/COAL/SHALE      |
| 1325 | 1355 | 30 SAND/SHALE/COAL      |
| 1355 | 1385 | 30 SAND/SHALE           |
| 1385 | 1415 | 30 SHALE/SAND           |
| 1415 | 1445 | 30 SAND/SHALE           |
| 1445 | 1475 | 30 SAND/COAL/SHALE      |
| 1475 | 1505 | 30 COAL/SAND/SHALE      |
| 1505 | 1535 | 30 SAND/SHALE           |
| 1535 | 1565 | 30 SHALE/SAND/COAL      |
| 1565 | 1595 | 30 SAND/SHALE           |
| 1595 | 1625 | 30 SAND/SHALE/COAL      |
| 1625 | 1655 | 30 SAND/SHALE/COAL      |
| 1655 | 1685 | 30 SAND/SHALE/COAL      |
| 1685 | 1715 | 30 SAND/SHALE/COAL      |
| 1715 | 1745 | 30 SAND/SHALE/COAL      |
| 1745 | 1775 | 30 SAND/SHALE           |
| 1775 | 1805 | 30 SAND/SHALE/COAL      |
| 1805 | 1835 | 30 SAND/SHALE           |
| 1835 | 1865 | 30 SAND/SHALE           |
| 1865 | 1895 | 30 SAND/SHALE/COAL      |
| 1895 | 1925 | 30 SAND/SHALE           |
| 1925 | 1955 | 30 SAND/SHALE/COAL      |
| 1955 | 1985 | 30 SAND/SHALE           |
| 1985 | 2015 | 30 SAND/SHALE           |
| 2015 | 2045 | 30 SAND/SHALE/COAL      |
| 2045 | 2075 | 30 SAND/SHALE/COAL      |
| 2075 | 2105 | 30 SAND/SHALE           |
| 2105 | 2135 | 30 SAND/SHALE           |
| 2135 | 2165 | 30 SAND                 |
| 2165 | 2195 | 30 SAND                 |
| 2195 | 2225 | 30 SAND/SHALE/COAL      |
| 2225 | 2255 | 30 SHALE/COAL/SAND      |
| 2255 | 2285 | 30 SAND/COAL/SHALE      |
| 2285 | 2315 | 30 SAND/SHALE           |
| 2315 | 2345 | 30 SAND/COAL/SHALE      |
| 2345 | 2375 | 30 COAL/SAND/COAL/SHALE |
| 2375 | 2393 | 18 SHALE/SAND           |
| 2393 | 2395 | 2 COAL P-3              |

|      |      |                    |
|------|------|--------------------|
| 2395 | 2405 | 10 SHALE/COAL      |
| 2405 | 2435 | 30 SAND/COAL/SHALE |
| 2435 | 2465 | 30 SAND/COAL/SHALE |
| 2465 | 2495 | 30 SHALE/SAND/COAL |
| 2495 | 2525 | 30 SHALE/SAND      |
| 2525 | 2585 | 60 SAND/SHALE      |
| 2585 | 2615 | 30 SAND/SHALE      |
| 2615 | 2645 | 30 SAND/SHALE/RED  |

2645' TOTAL DEPTH  
 9' OF 13 3/8" CASING  
 297' OF 9 5/8" CASING  
 2502.10' OF 4 1/2" CASING

COMPANY: CNX  
HOLE: Y-5A  
RIG #: 141  
LOCATION: BOYD RIDGE, VA

DATE STARTED: 12/11/2007  
DATE COMPLETED: 12/18/2007

ELECTRIC LOGGED: YES  
GROUTED: YES

| DEPTH<br>FROM | THICKNESS<br>TO | FT   | STRATA<br>DESCRIPTION, VOIDS ETC |
|---------------|-----------------|------|----------------------------------|
| 0             | 21              | 21   | OVERBURDEN                       |
| 21            | 23.8            | 2.8  | SANDY SHALE                      |
| 23.8          | 55.5            | 31.7 | SANDY SHALE/COAL/SANDY SHALE     |
| 55.5          | 87.2            | 31.7 | SANDY SHALE                      |
| 87.2          | 118.9           | 31.7 | SANDY SHALE                      |
| 118.9         | 150.6           | 31.7 | SANDY SHALE                      |
| 150.6         | 182.3           | 31.7 | SANDY SHALE/COAL/SANDY SHALE     |
| 182.3         | 212.3           | 30   | SANDY SHALE                      |
| 212.3         | 242.3           | 30   | SANDY SHALE/COAL/SANDY SHALE     |
| 242.3         | 272.3           | 30   | SANDY SHALE                      |
| 272.3         | 302.3           | 30   | SANDY SHALE                      |
| 302.3         | 332.3           | 30   | SANDY SHALE/COAL/SANDY SHALE     |
| 332.3         | 362.3           | 30   | SANDY SHALE                      |
| 362.3         | 392.3           | 30   | SANDY SHALE/COAL/SANDY SHALE     |
| 392.3         | 422.3           | 30   | SANDY SHALE                      |
| 422.3         | 452.3           | 30   | SANDY SHALE                      |
| 452.3         | 465.3           | 13   | SANDY SHALE                      |
| 465.3         | 480             | 14.7 | SANDY SHALE                      |
| 480           | 510             | 30   | SANDY SHALE                      |
| 510           | 540             | 30   | SANDY SHALE/COAL/SANDY SHALE     |
| 540           | 555             | 15   | SANDY SHALE                      |
| 555           | 585             | 30   | SANDY SHALE                      |
| 585           | 615             | 30   | SANDY SHALE                      |
| 615           | 645             | 30   | SANDY SHALE                      |
| 645           | 675             | 30   | SANDY SHALE                      |
| 675           | 705             | 30   | SANDY SHALE                      |
| 705           | 735             | 30   | SANDY SHALE/COAL/SANDY SHALE     |
| 735           | 765             | 30   | SANDY SHALE                      |
| 765           | 795             | 30   | SANDY SHALE/COAL/SANDY SHALE     |
| 795           | 825             | 30   | SANDY SHALE                      |
| 825           | 855             | 30   | SANDY SHALE/COAL/SANDY SHALE     |
| 855           | 885             | 30   | SANDY SHALE                      |
| 885           | 915             | 30   | SAND/SHALE                       |
| 915           | 945             | 30   | SAND/SHALE/COAL                  |
| 945           | 975             | 30   | SAND                             |
| 975           | 1005            | 30   | SAND/SHALE                       |
| 1005          | 1035            | 30   | SAND                             |
| 1035          | 1065            | 30   | SAND                             |
| 1065          | 1095            | 30   | SAND/SHALE/COAL                  |

| DEPTH<br>FROM | THICKNESS<br>TO | FT | STRATA<br>DESCRIPTION, VOIDS ETC |
|---------------|-----------------|----|----------------------------------|
| 1095          | 1125            | 30 | SAND/SHALE                       |
| 1125          | 1155            | 30 | SAND/SHALE                       |
| 1155          | 1185            | 30 | SAND/SHALE                       |
| 1185          | 1215            | 30 | SAND                             |
| 1215          | 1250            | 35 | SAND                             |
| 1250          | 1280            | 30 | SAND/SHALE                       |
| 1280          | 1310            | 30 | SAND/SHALE                       |
| 1310          | 1340            | 30 | SAND/SHALE/COAL                  |
| 1340          | 1370            | 30 | SAND/SHALE                       |
| 1370          | 1400            | 30 | SAND/SHALE/COAL                  |
| 1400          | 1430            | 30 | SAND                             |
| 1430          | 1460            | 30 | SAND/SHALE                       |
| 1460          | 1490            | 30 | SAND                             |
| 1490          | 1520            | 30 | SAND/SHALE                       |
| 1520          | 1550            | 30 | SAND/SHALE                       |
| 1550          | 1580            | 30 | SAND/SHALE/COAL                  |
| 1580          | 1615            | 35 | SAND/SHALE/COAL                  |
| 1615          | 1645            | 30 | SAND                             |
| 1645          | 1675            | 30 | SAND                             |
| 1675          | 1705            | 30 | SAND                             |
| 1705          | 1735            | 30 | SAND/COAL/SANDY SHALE            |
| 1735          | 1765            | 30 | SAND                             |
| 1765          | 1795            | 30 | SAND/COAL/SAND                   |
| 1795          | 1825            | 30 | SAND                             |
| 1825          | 1855            | 30 | SAND                             |
| 1855          | 1885            | 30 | SAND                             |
| 1885          | 1915            | 30 | SAND                             |
| 1915          | 1945            | 30 | SAND                             |
| 1945          | 1975            | 30 | SAND                             |
| 1975          | 2005            | 30 | SAND                             |
| 2005          | 2035            | 30 | SAND                             |
| 2035          | 2041            | 6  | SAND                             |
| 2041          | 2043            | 2  | P-3-COAL??                       |
| 2043          | 2065            | 22 | COAL                             |
| 2065          | 2095            | 30 | SAND/COAL/SAND                   |
| 2095          | 2125            | 30 | SAND                             |
| 2125          | 2155            | 30 | SAND/COAL/SAND                   |
| 2155          | 2185            | 30 | SAND                             |
| 2185          | 2215            | 30 | SAND                             |
| 2215          | 2245            | 30 | SAND                             |
| 2245          | 2275            | 30 | SAND                             |
| 2275          | 2305            | 30 | SAND                             |
| 2305          | 2335            | 30 | SAND                             |
| 2335          | 2350            | 15 | SAND                             |



| DEPTH<br>FROM | THICKNESS<br>TO | FT | STRATA<br>DESCRIPTION,VOIDS ETC |
|---------------|-----------------|----|---------------------------------|
| TOTALS        |                 |    |                                 |
| 2350'         | TOTAL DEPTH     |    |                                 |
| 21'           | 13 3/8" CASING  |    |                                 |
| 445'          | 9 5/8" CASING   |    |                                 |
| 2216.87'      | 4 1/2" CASING   |    |                                 |

COMPANY CNX  
 HOLE Y-7A  
 RIG #: 17  
 LOCATION: BOYD RIDGE  
 DATE STARTED: 8/8/2008  
 DATE COMPLETED: 8/13/2008  
 ELECTRIC LOGGED: YES  
 GROUTED: YES

| DEPTH<br>FROM | THICKNESS<br>TO | FT | STRATA<br>DESCRIPTION, VOIDS ETC. |
|---------------|-----------------|----|-----------------------------------|
| 0             | 13              |    | 13 OVERBURDEN                     |
| 13            | 30              |    | 17 SAND/SHALE                     |
| 30            | 60              |    | 30 SAND/SHALE/COAL                |
| 60            | 90              |    | 30 SAND/SHALE                     |
| 90            | 120             |    | 30 SAND/SHALE/COAL                |
| 120           | 150             |    | 30 SAND/SHALE/COAL                |
| 150           | 180             |    | 30 SAND/SHALE                     |
| 180           | 210             |    | 30 SAND/SHALE/COAL                |
| 210           | 240             |    | 30 SAND/SHALE                     |
| 240           | 245             |    | 5 SAND                            |
| 245           | 275             |    | 30 SAND/SHALE                     |
| 275           | 305             |    | 30 SAND/SHALE                     |
| 305           | 335             |    | 30 SHALE/COAL/SHALE               |
| 335           | 365             |    | 30 SAND/SHALE/COAL                |
| 365           | 395             |    | 30 SAND/SHALE                     |
| 395           | 425             |    | 30 SAND/SHALE                     |
| 425           | 455             |    | 30 SAND/SHALE                     |
| 455           | 485             |    | 30 SAND/SHALE                     |
| 485           | 515             |    | 30 SAND/SHALE/COAL                |
| 515           | 545             |    | 30 SAND/SHALE/COAL                |
| 545           | 575             |    | 30 SAND/SHALE/COAL                |
| 575           | 605             |    | 30 SAND/SHALE                     |
| 605           | 635             |    | 30 SAND/SHALE/COAL                |
| 635           | 665             |    | 30 SAND/SHALE/COAL                |
| 665           | 695             |    | 30 SAND/SHALE/COAL                |
| 695           | 725             |    | 30 SAND/SHALE/COAL                |
| 725           | 755             |    | 30 SAND/SHALE                     |
| 755           | 785             |    | 30 SAND/SHALE                     |
| 785           | 815             |    | 30 SAND/SHALE/COAL                |
| 815           | 845             |    | 30 SAND/SHALE/COAL                |
| 845           | 875             |    | 30 SAND/SHALE                     |
| 875           | 905             |    | 30 SHALE/COAL/SHALE               |
| 905           | 935             |    | 30 SHALE/COAL/SHALE               |
| 935           | 965             |    | 30 SHALE/SAND                     |

|      |      |                     |
|------|------|---------------------|
| 965  | 995  | 30 SAND/SHALE       |
| 995  | 1025 | 30 SHALE/COAL/SHALE |
| 1025 | 1055 | 30 SHALE/COAL/SHALE |
| 1055 | 1085 | 30 SHALE/SAND/SHALE |
| 1085 | 1115 | 30 SHALE/COAL/SHALE |
| 1115 | 1145 | 30 SHALE/SAND       |
| 1145 | 1175 | 30 SAND             |
| 1175 | 1205 | 30 SAND             |
| 1205 | 1235 | 30 SAND/SHALE       |
| 1235 | 1265 | 30 SHALE/COAL/SHALE |
| 1265 | 1295 | 30 SHALE/SAND       |
| 1295 | 1325 | 30 SAND/SHALE       |
| 1325 | 1355 | 30 SHALE/COAL/SHALE |
| 1355 | 1385 | 30 SAND             |
| 1385 | 1415 | 30 SAND             |
| 1415 | 1445 | 30 SAND/SHALE       |
| 1445 | 1475 | 30 SAND/SHALE       |
| 1475 | 1505 | 30 SHALE/COAL/SHALE |
| 1505 | 1535 | 30 SHALE/COAL/SHALE |
| 1535 | 1565 | 30 SHALE/COAL/SHALE |
| 1565 | 1595 | 30 SAND/SHALE       |
| 1595 | 1625 | 30 SAND             |
| 1625 | 1655 | 30 SAND/SHALE       |
| 1655 | 1685 | 30 SHALE/COAL/SHALE |
| 1685 | 1715 | 30 SAND/SHALE       |
| 1715 | 1745 | 30 SHALE/COAL/SHALE |
| 1745 | 1775 | 30 SAND/SHALE       |
| 1775 | 1805 | 30 SHALE/COAL/SHALE |
| 1805 | 1835 | 30 SAND             |
| 1835 | 1865 | 30 SAND/SHALE/COAL  |
| 1865 | 1895 | 30 SAND/SHALE       |
| 1895 | 1925 | 30 SAND             |
| 1925 | 1955 | 30 SAND/SHALE       |
| 1955 | 1985 | 30 SAND/SHALE/COAL  |
| 1985 | 2015 | 30 SAND/SHALE       |
| 2015 | 2045 | 30 SAND/SHALE       |
| 2045 | 2075 | 30 SAND/SHALE/COAL  |
| 2075 | 2105 | 30 SAND/SHALE       |
| 2105 | 2135 | 30 SAND/SHALE/COAL  |
| 2135 | 2165 | 30 SAND/SHALE/COAL  |
| 2165 | 2195 | 30 SAND/SHALE       |
| 2195 | 2225 | 30 SAND/SHALE/COAL  |
| 2225 | 2255 | 30 SAND/SHALE       |
| 2255 | 2285 | 30 SAND/SHALE/COAL  |
| 2285 | 2315 | 30 SAND             |
| 2315 | 2345 | 30 SAND             |
| 2345 | 2375 | 30 SAND             |
| 2375 | 2405 | 30 SAND             |
| 2405 | 2435 | 30 SHALE/RED/SHALE  |

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2435' TOTAL DEPTH  
 13' OF 13 3/8" CASING  
 221' OF 7" CASING  
 2337.15' OF 4 1/2" CASING

DRILLER'S LOG

Compiled by - GASCO

| Geologic Age  | Formation  | General Lithology | Color | Depth |        | Thickness | Remarks |
|---------------|------------|-------------------|-------|-------|--------|-----------|---------|
|               |            |                   |       | Top   | Bottom |           |         |
| Pennsylvanian | Pocahontas | SANDSTONE         |       | 0     | 1      |           |         |
|               |            | SHALE             |       | 1     | 28     |           |         |
|               |            | SANDY SHALE       |       | 28    | 100    |           |         |
|               |            | SHALE             |       | 100   | 180    |           |         |
|               |            | SANDY SHALE       |       | 180   | 219    |           |         |
|               |            | COAL              |       | 219   | 220    |           |         |
|               |            | SANDY SHALE       |       | 220   | 315    |           |         |
|               |            | COAL              |       | 315   | 316    |           |         |
|               |            | SANDY SHALE       |       | 316   | 380    |           |         |
|               |            | SANDY SHALE       |       | 380   | 450    |           |         |
|               |            | COAL              |       | 450   | 451    |           |         |
|               |            | SANDSTONE         |       | 451   | 505    |           |         |
|               |            | SANDY SHALE       |       | 505   | 663    |           |         |
|               |            | SANDY SHALE       |       | 663   | 750    |           |         |
|               |            | SHALE             |       | 750   | 831    |           |         |
|               |            | COAL              |       | 831   | 832    |           |         |
|               |            | SANDY SHALE       |       | 832   | 870    |           |         |
|               |            | SHALE             |       | 870   | 940    |           |         |
|               |            | SANDY SHALE       |       | 940   | 965    |           |         |
|               |            | SANDSTONE         |       | 965   | 1065   |           |         |
|               |            | COAL              |       | 1065  | 1066   |           |         |
|               |            | SANDY SHALE       |       | 1066  | 1095   |           |         |
|               |            | COAL              |       | 1095  | 1096   |           |         |
|               |            | SANDSTONE         |       | 1096  | 1130   |           |         |
|               |            | COAL              |       | 1130  | 1131   |           |         |
|               |            | SANDY SHALE       |       | 1131  | 1300   |           |         |
|               |            | COAL              |       | 1300  | 1301   |           |         |
|               |            | SANDSTONE         |       | 1301  | 1375   |           |         |
|               |            | COAL              |       | 1375  | 1376   |           |         |
|               |            | SANDY SHALE       |       | 1376  | 1390   |           |         |
|               |            | SANDSTONE         |       | 1390  | 1635   |           |         |
|               |            | COAL              |       | 1635  | 1636   |           |         |
|               |            | SANDY SHALE       |       | 1636  | 1705   |           |         |
|               |            | COAL              |       | 1705  | 1706   |           |         |
|               |            | SANDY SHALE       |       | 1706  | 1760   |           |         |
|               |            | COAL #3           |       | 1760  | 1765   |           |         |
|               |            | SHALE             |       | 1765  | 1835   |           |         |

Permittee: CONSOL INC. (Company)

By: *Dustin K. Cunningham* (Signature)

*Table of Surface Owners*

# **SURFACE PROPERTY OWNERS**

| Tract No. | Owner                           | Address                                      |
|-----------|---------------------------------|----------------------------------------------|
| 1         | Benny C. Looney                 | P.O. Box 447 Vansant, Va 24656               |
| 2         | Ollie Jane Compton              | 1074 Chestnut Rd Pilgrims Knob, Va 24634     |
| 3         | Josh Vince Armes                | 170 Altizer Drive Cedar Bluff, Va 24609      |
| 4         | Josh Vince Armes                | 170 Altizer Drive Cedar Bluff, Va 24609      |
| 5         | Paul Coleman                    | 2081 Red Dirt Rd Vansant, VA 24656           |
| 6         | Stephen Hartford                | 2147 Red Dirt Rd Vansant, VA 24656           |
| 7         | Paul Coleman                    | 2081 Red Dirt Rd Vansant, VA 24656           |
| 8         | Lillie Boyd Estate c/o Tim Boyd | P.O. Box 81 Cucumber, WV 24826               |
| 9         | Aaron Hunt                      | P.O. Box 428 Vansant, VA 24656               |
| 10        | Darrell Jackson                 | P.O. Box 1140 Vansant, VA 24656              |
| 11        | Lonnie Keith Boyd               | 4055 Leemaster Dr Vansant, VA 24656          |
| 12        | Louis Jackson                   | P.O. Box 285 Vansant, VA 24656               |
| 13        | Stephen Hartford                | 2147 Red Dirt Rd Vansant, VA 24656           |
| 14        | CNX Gas Company LLC             | 1000 Consol Energy Dr. Canonsburg, PA 15317  |
| 15        | Larry Nuckles                   | 1443 Big Cedar Creek Rd Lebanon, VA 24266    |
| 16        | Jeff Yates                      | Box 207, Elkmills, Maryland 21920            |
| 17        | Levisa Coal Company             | 4710 Hunterwood Circle Richmond, Tx 77406    |
| 18        | CEMETERY                        |                                              |
| 19        | Ralph D. Thacker                | 20021 Thacker Dr. Boonsboro, MD 21713        |
| 20        | Russell Gambill                 | 974 Vannoy Road Millers Creek, NC 28651      |
| 21        | William Stiltner                | 1819 Shortridge Branch Rd. Vansant, Va 24656 |
| 22        | CNX Gas Company LLC             | 1000 Consol Energy Dr. Canonsburg, PA 15317  |
| 23        | Kenneth Elswick                 | 1899 Shortridge Branch Rd Vansant, VA 24656  |
| 24        | Albert Horn                     | P.O Box 518 Vansant, VA 24656                |
| 25        | Jasmine Conner                  | 92 Bailey St. Hazard, KY 41701               |
| 26        | Jose S. Spinetta                | P.O. Box 14774 Durham, NC 27709              |
| 27        | Jose S. Spinetta                | P.O. Box 14774 Durham, NC 27709              |
| 28        | CNX Gas Company LLC             | 1000 Consol Energy Dr. Canonsburg, PA 15317  |
| 29        | Gregory L. Cook                 | P.O. Box 1163 Vansant, Va 24656              |
| 30        | Evans Yates                     | 44 Sunnyside Rd Chesapeake City, MD 21915    |
| 31        | Danny Yates                     | P. O. Box 1, Elkton, MD 21922                |
| 32        | Eugene Ratliff                  | 7995 Garden Creek Rd. Oakwood, VA 24631      |

|    |                            |                                             |
|----|----------------------------|---------------------------------------------|
| 33 | Lawrence Jackson           | P.O. Box 376 Vansant, VA 24656              |
| 34 | Lawrence Jackson           | P.O. Box 376 Vansant, VA 24656              |
| 35 | Lawrence Jackson           | P.O. Box 376 Vansant, VA 24656              |
| 36 | Henry Barton               | PO. Box 165 Vansant, VA 24656               |
| 37 | Lawrence Jackson           | P.O. Box 376 Vansant, VA 24656              |
| 38 | Lawrence Jackson           | P.O. Box 376 Vansant, VA 24656              |
| 39 | Alvin Wayne Cox            | P.O. Box 462 Vansant, VA 24656              |
| 40 | Gregory Jackson            | P.O. Box 1146 Vansant, VA 24656             |
| 41 | Alvin Wayne Cox            | P.O. Box 462 Vansant, VA 24656              |
| 42 | Alvin Wayne Cox            | P.O. Box 462 Vansant, VA 24656              |
| 43 | Lawrence Jackson           | P.O. Box 376 Vansant, VA 24656              |
| 44 | Not available              | Not available                               |
| 45 | Alvin Wayne Cox            | P.O. Box 462 Vansant, VA 24656              |
| 46 | Alvin Wayne Cox            | P.O. Box 462 Vansant, VA 24656              |
| 47 | Alvin Wayne Cox            | P.O. Box 462 Vansant, VA 24656              |
| 48 | Lawrence Jackson           | P.O. Box 376 Vansant, VA 24656              |
| 49 | Teddy D. Shortridge        | P. O. Box 898 Vansant, Va 24656             |
| 50 | Teddy D. Shortridge        | P. O. Box 898 Vansant, Va 24656             |
| 51 | Bill Sam Campbell          | P. O. Box 6 Vansant, Va 24656               |
| 52 | Billy Kinser               | P.O. Box 545 Keen Mtn. VA 24624             |
| 53 | Jeffery Allen Lester       | P.O. Box 912 Vansant, VA 24656              |
| 54 | Teddy D. Shortridge        | P. O. Box 898 Vansant, Va 24656             |
| 55 | Teddy D. Shortridge        | P. O. Box 898 Vansant, Va 24656             |
| 56 | Teddy D. Shortridge        | P. O. Box 898 Vansant, Va 24656             |
| 57 | Shannnon Lynn Kinser Baker | 2866 Spoonbill Trl Orange Park, FL 32073    |
| 58 | Martha Owens               | P.O. Box 948 Vansant, VA 24656              |
| 59 | Jeffery Allen Lester       | P.O. Box 912 Vansant, VA 24656              |
| 60 | Billy Kinser               | P.O. Box 545 Keen Mtn. VA 24624             |
| 61 | William Robert Hagy        | 2096 Chatham Ct Abingdon, VA 24210          |
| 62 | CNX Gas Company LLC        | 1000 Consol Energy Dr. Canonsburg, PA 15317 |
| 63 | James Shortridge           | 1151 Mountain Resort Dr. Vansant, VA 24656  |
| 64 | Betty Hurley Stacy         | P.O. Box 267 Hurley, VA 24620               |
| 65 | Not available              | Not available                               |
| 66 | Judy Newberry              | P.O. Box 981 Amherst, 24521                 |



|     |                                     |                                                 |
|-----|-------------------------------------|-------------------------------------------------|
| 67  | Delphia Looney                      | 15244 Cedar Crk Meadowview, VA 24361            |
| 68  | CNX Gas Company LLC                 | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 69  | Ray Breeding                        | P.O. Box 1062 Vansant, VA 24656                 |
| 70  | Teddy D. Shortridge                 | P.O. Box 898 Vansant, Va 24656                  |
| 71  | James C. Shortridge                 | 1151 Mountain Resort Dr. Vansant, VA 24656      |
| 72  | CNX Gas Company LLC                 | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 73  | Ernest Church                       | P.O. Box 423 Vansant, VA 24656                  |
| 74  | Danny Church                        | 1396 Laymantown Road Troutville, VA 24175       |
| 75  | Teddy D. Shortridge                 | P. O. Box 898 Vansant, Va 24656                 |
| 76  | Donna Adkins                        | P.O. Box 267 Vansant, VA 24656                  |
| 77  | Lawrence Jackson                    | P.O. Box 376 Vansant, VA 24656                  |
| 78  | Bobby Jackson                       | P. O. Box 872 Lester Prairie, MN 55354          |
| 79  | Bobby Jackson                       | P. O. Box 872 Lester Prairie, MN 55354          |
| 80  | CNX Gas Company LLC                 | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 81  | CNX Gas Company LLC                 | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 82  | Riddle Colley c/o Fairy D. Rose     | 4908 Cochise Trail N. Chesterfield, VA 23237    |
| 83  | Larry Edward Cook                   | 1276 Lester Branch Rd. Vansant, VA 24656        |
| 84  | William Cox c/o Theresa Brent       | 713 Churchmans Mill Rd. Stuarts Draft, VA 24477 |
| 85  | Buchanan County, VA                 | P.O. Box 950 Grundy, VA 24614                   |
| 86  | CNX Gas Company LLC                 | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 87  | CNX Gas Company LLC                 | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 88  | CNX Gas Company LLC                 | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 89  | Lonnie Nunley                       | P.O. Box 267 Vansant, VA 24656                  |
| 90  | Tolbert Adkins                      | P.O. Box 267 Vansant, VA 24656                  |
| 91  | Douglas Adkins                      | P.O. Box 267 Vansant, VA 24656                  |
| 92  | Molly Loraine Ramey                 | P.O. Box 485 Vansant, VA 24656                  |
| 93  | Naydene Bailey                      | 931 Greengate Drive Lebanon, VA 45036           |
| 94  | Betty Yates                         | P.O. Box 735 Vansant, VA 24656                  |
| 95  | Ida Rosalee Tiller c/o Irene Tiller | P.O. Box 225 Vansant, VA 24656                  |
| 96  | Betty Yates                         | P.O. Box 735 Vansant, VA 24656                  |
| 97  | CNX Gas Company LLC                 | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 98  | Johnny Ratliff                      | 24466 Abbie Ln Bristol, VA 24202                |
| 99  | Aaron A. Skeens                     | 1236 Deel Hill, Oakwood, VA 24631               |
| 100 | Carol Sturgill                      | P.O. Box 723 Vansant, VA 24656                  |

|     |                                          |                                                 |
|-----|------------------------------------------|-------------------------------------------------|
| 101 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 102 | Not available                            | Not available                                   |
| 103 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 104 | PSA                                      | 1023 Owens Branch Rd Vansant, VA 24656          |
| 105 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 106 | Jack Snyder                              | 120 Bona Vesta Dr. Bryan, OH 43506              |
| 107 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 108 | Steve Moore                              | P.O. Box 548                                    |
| 109 | Amelia Shoup                             | 14441 Marsh Pike 28 Hagerstown, MD 21742        |
| 110 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 111 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 112 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 113 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 114 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 115 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 116 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 117 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 118 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 119 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 120 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 121 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 122 | VDOT                                     | 1401 E. Broad St. Richmond, Virginia 23219      |
| 123 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 124 | Theresa Brent                            | 713 Churchmans Mill Rd. Stuarts Draft, VA 24477 |
| 125 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 126 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 127 | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 128 | Yukon Pochontas Coal Company, L.P., RLLP | P.O. Box 187 Tazewell, VA 24651                 |
| 129 | Steve Moore                              | P.O. Box 584 Vansant, VA 24656                  |
| 130 | Little Freedom Church                    | Rt. 2 Box 503 Vansant, VA 24656                 |
| 131 | Douglas Lane                             | P.O. Box 1060 Vansant, VA 24656                 |
| 132 | Douglas Lane                             | P.O. Box 1060 Vansant, VA 24656                 |
| 133 | Douglas Lane                             | P.O. Box 1060 Vansant, VA 24656                 |
| 134 | Norfolk Southern Railway Company         | 1200 Peachtree St. NE Atlanta, GA 30309         |



|     |                                            |                                              |
|-----|--------------------------------------------|----------------------------------------------|
| 135 | Norfolk Southern Railway Company           | 1200 Peachtree St. NE Atlanta, GA 30309      |
| 136 | Buchanan County, VA                        | P.O. Box 950 Grundy, VA 24614                |
| 137 | Allen Hagerman                             | P.O. Box 326 Vansant, VA 24656               |
| 138 | Patricia Breeding                          | P.O. Box 1082 Vansant, VA 24656              |
| 139 | Patricia Breeding                          | P.O. Box 1082 Vansant, VA 24656              |
| 140 | Allen Hagerman                             | P.O. Box 326 Vansant, VA 24656               |
| 141 | Patricia Breeding                          | P.O. Box 1082 Vansant, VA 24656              |
| 142 | Janet Brown c/o Rebecca Horn               | 1131 Valance Dr. Vansant, VA 24656           |
| 143 | Janet Brown c/o Rebecca Horn               | 1131 Valance Dr. Vansant, VA 24656           |
| 144 | William E. Rife                            | 3451 Deskins Rd Vansant, VA 24656            |
| 145 | Walter Price c/o Cynthia Rife              | P. O. Box 880, Vansant, VA 24656             |
| 146 | c/o VA Housing Development Authority       | P.O. Box 5127 Richmond, VA 23220             |
| 147 | VDOT                                       | 1401 E. Broad St. Richmond, Virginia 23219   |
| 148 | Kay Barton                                 | 1106 Parett Fletcher Rd Vansant, VA 24656    |
| 149 | James Cook                                 | P.O. Box 391 Vansant, VA 24656               |
| 150 | Roger Wayne Perkins                        | 2376 Boyd Ridge Rd. Vansant, VA 24656        |
| 151 | Clayton Perkins                            | 1023 Perkins Hill Rd Vansant, VA 24656       |
| 152 | Union Chapel Church Trustees               | P.O. Box 104 Oakwood, VA 24631               |
| 153 | Regina O'Quinn                             | P.O. Box 1031 Vansant, VA 24656              |
| 154 | Kathleen Meadows                           | Not available                                |
| 155 | Bran Investments LLC                       | 518 Holston Ave. Suite 100 Bristol, TN 37620 |
| 156 | Billy & Mamie Shortridge c/o Teresa George | 5930 Andechs Smt Duluth, GA 30097            |

*Table of Water Supply Wells and Springs*

# **DOMESTIC WATER SUPPLY WELLS & SPRINGS**

|    | <u>WELL ID</u> | <u>WELL/SPRING</u> | <u>TRACT ID</u> | <u>OWNER</u>           | <u>DEPTH (FT)</u> | <u>ELEVATION (FT)</u> |
|----|----------------|--------------------|-----------------|------------------------|-------------------|-----------------------|
| 1  | T4A-1          | PUBLIC WATER       | 23              | KENNETH ELSWICK        |                   |                       |
| 2  | T4A-2          | PUBLIC WATER       | 25              | JASMINE CONNER         |                   |                       |
| 3  | T4A-3          | SPRING             | 21              | WILLIAM STILTNER       |                   | 1529                  |
| 4  | T5A-1          | WELL/NOT IN USE    | 70              | TEDDY SHORTRIDGE       | 40                |                       |
| 5  | T5A-2          | WELL/NOT IN USE    | 64              | BETTY HURLEY STACY     | DNA               |                       |
| 6  | T5A-3          | PUBLIC WATER       | 64              | BETTY HURLEY STACY     |                   |                       |
| 7  | T5A-5          | WELL/NOT IN USE    | 63              | JAMES SHORTRIDGE       | 216               |                       |
| 8  | U8-1           | SPRING             | 110             | CNX GAS COMPANY        |                   | 1731                  |
| 9  | U6B-2          | WELL/NOT IN USE    | 100             | CAROL STURGILL         | 110               |                       |
| 10 | V3-1           | SPRING             | 7               | PAUL COLEMAN           |                   | 2041                  |
| 11 | V4-1           | SPRING             | 17              | LEVISA COAL COMPANY    |                   | 2321                  |
| 12 | V5-1           | SPRING             | 51              | BILLIE CAMPBELL, ET UX |                   | 1775                  |
| 13 | V7-1           | SPRING             | 88              | CNX GAS COMPANY        |                   | 1782                  |
| 14 | V7-2           | PUBLIC WATER       | 94              | BETTY YATES            |                   |                       |
| 15 | V7-3           | WELL/NOT IN USE    | 94              | BETTY YATES            | DNA               |                       |
| 16 | V7-3A          | PUBLIC WATER       | 94              | BETTY YATES            | DNA               |                       |
| 17 | V7-4           | NO RESPONSE        | 93              | NAYDENE BAILEY, ET AL  |                   |                       |
| 18 | V7-5           | WELL/NOT IN USE    | 92              | MOLLY RAMEY            | DNA               |                       |
| 19 | V7-6           | PUBLIC WATER       | 91              | DOUGLAS ADKINS         |                   |                       |
| 20 | V7-7           | WELL/NOT IN USE    | 94              | BETTY YATES            | DNA               |                       |
| 21 | V7-8           | VACANT STRUCTURE   | 95              | IDA TILLER             |                   |                       |
| 22 | V7-9           | VACANT STRUCTURE   | 92              | MOLLY RAMEY            |                   |                       |
| 23 | V8-1           | 3 WELLS/SEALED     | 124             | THERESA BRENT          | DNA               |                       |
| 24 | V8-3           | PUBLIC WATER       | 87              | CNX GAS COMPANY        |                   |                       |
| 25 | W8-1           | SPRING             | 85              | COUNTY OF BUCHANAN     |                   | 1680                  |
| 26 | W8-2           | PUBLIC WATER       | 142,143         | JANET BROWN            |                   |                       |
| 27 | W8-4           | MONITORING WELL    | 86              | CNX GAS COMPANY        | DNA               |                       |
| 28 | X6-2           | WELL/NOT IN USE    | 42              | ALVIN COX              | DNA               |                       |
| 29 | X6-4           | PUBLIC WATER       | 40              | GREGORY JACKSON        |                   |                       |
| 30 | X6-7           | WELL/NOT IN USE    | 46              | ALVIN COX              | DNA               |                       |
| 31 | X6-8           | SPRING             | 29              | GREGORY COOK           |                   |                       |

|    | <u>WELL ID</u> | <u>WELL/SPRING</u> | <u>TRACT ID</u> | <u>OWNER</u>    | <u>DEPTH (FT)</u> | <u>ELEVATION (FT)</u> |
|----|----------------|--------------------|-----------------|-----------------|-------------------|-----------------------|
| 32 | X6-9           | SPRING             | 29              | GREGORY COOK    |                   |                       |
| 33 | X8-1           | SPRING             | 80              | CNX GAS COMPANY |                   | 1798                  |
| 34 | X8-2           | PUBLIC WATER       | 80              | CNX GAS COMPANY |                   |                       |
| 35 | X9-1           | PUBLIC WATER       | 149             | EARL COOK       |                   |                       |
| 36 | X9-3           | PUBLIC WATER       | 151             | CK PERKINS      |                   |                       |

---

**DATA PROVIDED BY VIRGINIA DEPARTMENT OF HEALTH**

|    |       |      |     |                     |     |
|----|-------|------|-----|---------------------|-----|
| 37 | V5-2  | WELL | 59  | GERALD KINSER       | DNA |
| 38 | T6-1  | WELL | 138 | RAY BREEDING        | DNA |
| 39 | T6-2  | WELL | 106 | JACK SNYDER         | DNA |
| 40 | U6B-1 | WELL | 73  | ERNEST CHURCH       | DNA |
| 41 | V6-1  | WELL | 62  | CNX GAS COMPANY     | DNA |
| 43 | W7-1  | WELL | 78  | BOBBY JACKSON       | DNA |
| 44 | W7-2  | WELL | 77  | LAWRENCE JACKSON    | DNA |
| 45 | W7-3  | WELL | 90  | TOLBERT ADKINS      | DNA |
| 42 | W9-1  | WELL | 144 | WILLIE RIFE         | DNA |
| 46 | W9-2  | WELL | 146 | BUCH COUNTY HOUSING | DNA |

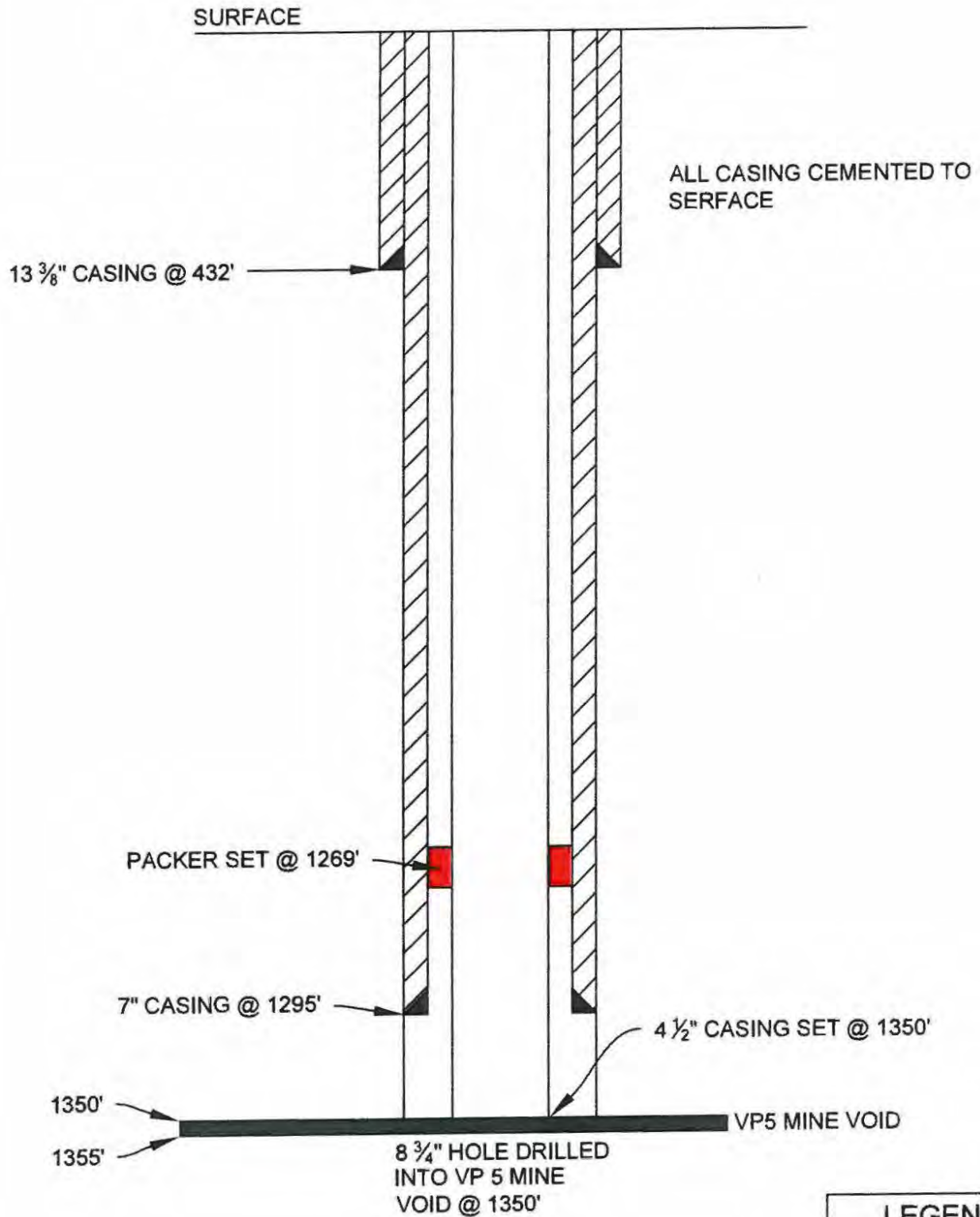
Attachment C. Well Construction/Conversion Information

*Updated Well Schematic Diagram Included*

CNX GAS COMPANY LLC

U7 INJECTION WELL

WELLBORE SCHEMATIC



**LEGEND**



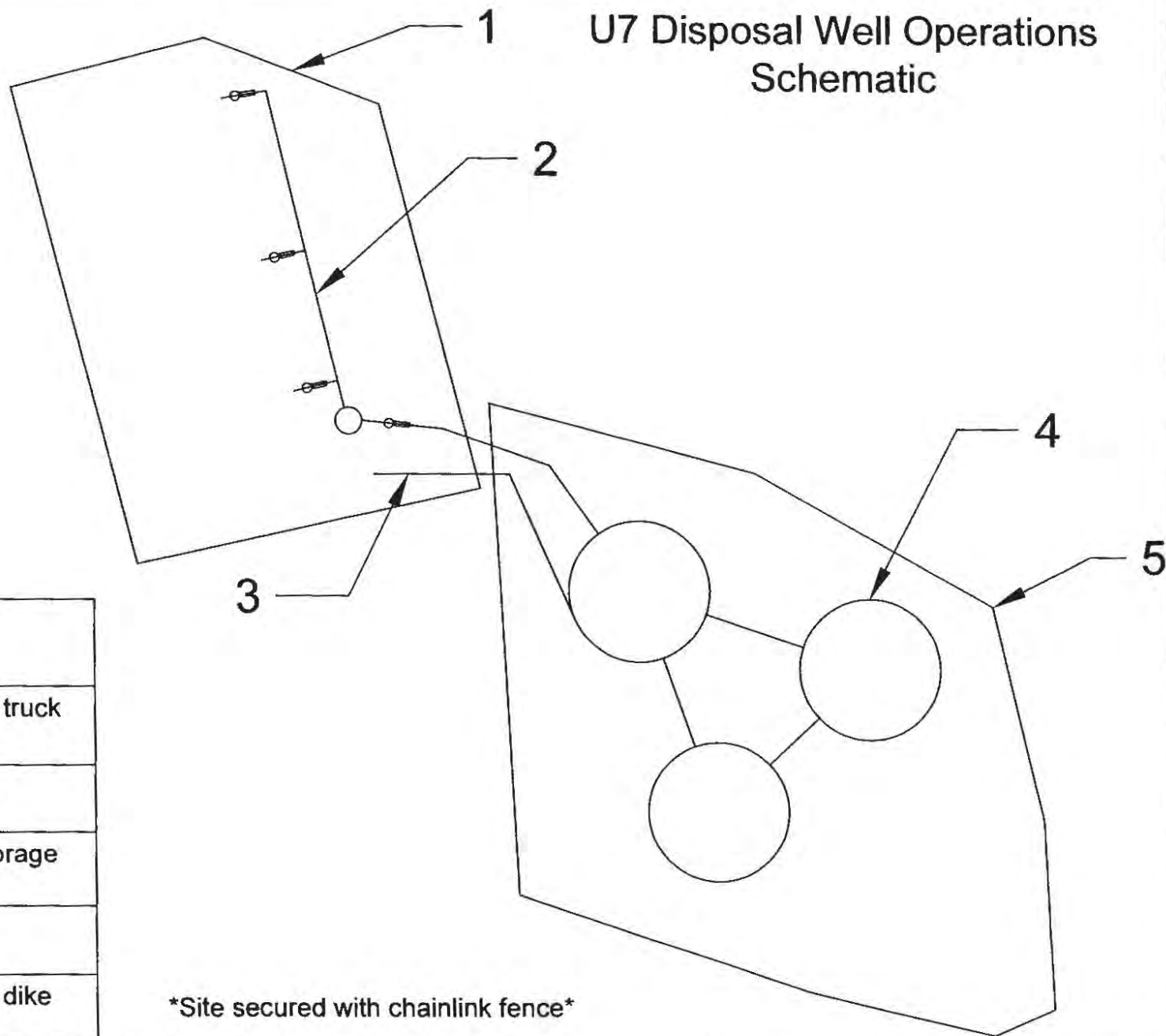
HYDRAULIC CEMENT  
(CLASS A)



Attachment D. Injection Operation and Monitoring Program  
*Flow Diagram through Facility*



## U7 Disposal Well Operations Schematic



### NOTES

|   |                                  |
|---|----------------------------------|
| 1 | Concrete containment truck dump  |
| 2 | Truck dump line                  |
| 3 | Truck dump line to storage tanks |
| 4 | Storage tanks                    |
| 5 | Earthen containment dike         |

\*Site secured with chainlink fence\*

Attachment E. Plugging and Abandonment Plan

*See New and Revised Plan*

United States Environmental Protection Agency



# WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN, OR PLUGGING AND ABANDONMENT AFFIDAVIT

Name and Address, Phone Number and/or Email of Permittee

Pocahontas Gas LLC  
PO Box 570  
Pounding Mill, VA 24637

Permit or EPA ID Number

VAS2D926BBUC

API Number

450270080300

Full Well Name

AW114ACV

State

Virginia

County

Tazewell

Locate well in two directions from nearest lines of quarter section and drilling unit

Latitude 37 11' 02"

Surface Location

1/4 of 1/4 of Section Township Range

Longitude -82 04' 54"

ft. from (N/S) Line of quarter section

ft. from (E/W) Line of quarter section.

Well Class

Timing of Action (pick one)

Type of Action (pick one)

- ☐ Class I  
☒ Class II  
☐ Class III  
☐ Class V

☒ Notice Prior to Work

Date Expected to Commence N/A at this time

☐ Report After Work

Date Work Ended

☐ Well Rework☒ Plugging and Abandonment☐ Conversion to a Non-Injection Well

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

## Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments 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 and imprisonment. (Ref. 40 CFR § 144.32)

Name and Official Title (Please type or print)

Craig W. Neal VP Operations

Signature

Craig W Neal

Date Signed

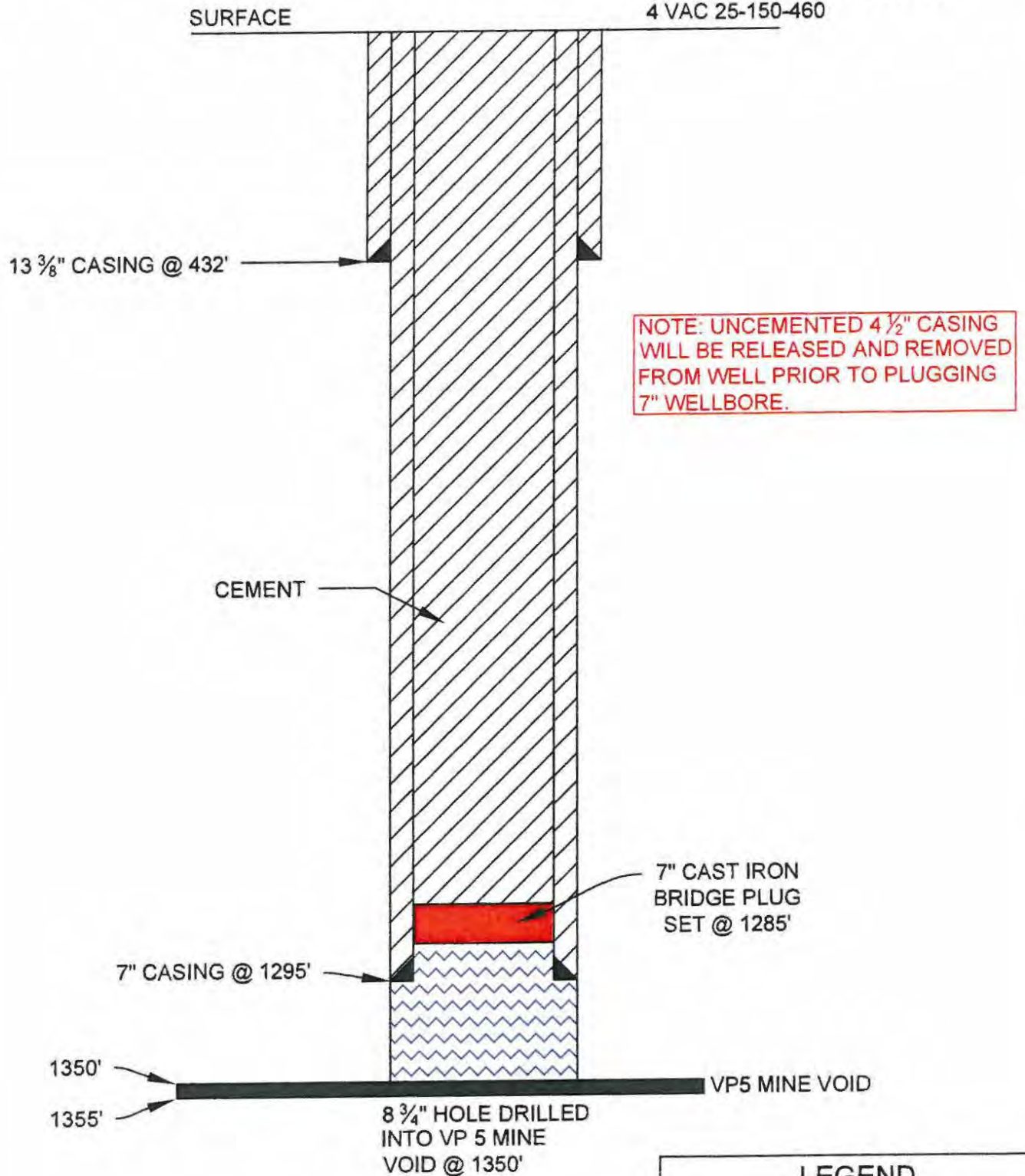
1-30-2020

CNX GAS COMPANY LLC

U7 INJECTION WELL

PROPOSED PLUGGING AND ABANDONMENT SCHEMATIC

PERMANENT MARKER ACCORDING  
TO GAS & OIL REGULATION  
4 VAC 25-150-460



LEGEND

 HYDRAULIC CEMENT (CLASS A)

 FLUID

**Form 7520-19 Attachment**

**U7 In Injection Well - VAS2D926BBUC**

**CASING AND TUBING RECORD AFTER PLUGGING**

| <u>SIZE</u>                      | <u>WT (LB/FT)</u> | <u>TO BE PUT IN WELL (FT)</u> | <u>TO BE LEFT IN WELL (FT)</u> | <u>HOLE SIZE</u> |
|----------------------------------|-------------------|-------------------------------|--------------------------------|------------------|
| 13 <sup>3</sup> / <sub>8</sub> " |                   | 432'                          | 432'                           |                  |
| 7"                               |                   | 1295'                         | 1295'                          |                  |
| 4 <sup>1</sup> / <sub>2</sub> "  |                   | 1350'                         | 0'                             |                  |

The following plugging and abandonment plan will be employed should the injection well or any monitoring points require plugging:

- Move in service rig and rig up.
- Release the packer and pull 4 <sup>1</sup>/<sub>2</sub>" casing. If the packer will not release, 4 <sup>1</sup>/<sub>2</sub>" casing will be cut just above packer.
- Set 7" cast iron bridge plug as deep in well as possible; either at the end of 7" casing or just above packer if it will not release
- Fill the casing from bridge plug to surface with Class A cement.
- Install a monument on the casing above ground with approved information.



## QUOTE

## Skyline Contracting Inc.

PO Box 663 Oakwood, VA 24631  
276-498-3560

DATE: OCTOBER 30, 2019

Quotes good for 30 days

TO CNX Resources LLC.

| CONTACT NAME | JOB DESCRIPTION          | SALES | QUOTE NUMBER |
|--------------|--------------------------|-------|--------------|
| Andy Statzer | U-7 Well Plug to Abandon | KWH   |              |

| QTY       | DESCRIPTION                                                                     | UNIT PRICE   | LINE TOTAL  |
|-----------|---------------------------------------------------------------------------------|--------------|-------------|
| 40        | Labor to use service rig for plugging of well for abandonment.                  | \$135.00/hr. | \$5,400.00  |
| 20        | Boom truck and labor to move piping and equipment on and off location as needed | \$85.00/hr.  | \$1,700.00  |
| 1         | Cost for cementing to surface                                                   | \$22,000.00  | \$22,000.00 |
| 1         | Cost for cutting casing                                                         | \$4,200.00   | \$4,200.00  |
| 1         | Fabrication and installation of monument plug sign.                             | \$1,200.00   | \$1,200.00  |
| Subtotal  |                                                                                 |              |             |
| Sales Tax |                                                                                 |              |             |
| Delivery  |                                                                                 |              |             |
| Total     |                                                                                 |              | \$34,500.00 |

To accept this quotation, sign here and return: \_\_\_\_\_

THANK YOU FOR YOUR BUSINESS!

Attachment F. Financial Assurance

*Surety Bond Included*

SURETY RIDER

47

To be attached to and form a part of

Bond No. CMS0281815

dated effective December 14, 2016  
(MONTH-DAY-YEAR)

executed by CNX Gas Company LLC, as Principal,  
(PRINCIPAL)

and by RLI Insurance Company, as Surety,

in favor of United States Environmental Protection Agency - Region III,  
(OBLIGEE)

in consideration of the mutual agreements herein contained the Principal and the Surety hereby consent to changing

The Principal name to:

Pocahontas Gas LLC

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated.

This rider is effective January 15, 2020  
(MONTH-DAY-YEAR)

Signed and Sealed January 15, 2020  
(MONTH-DAY-YEAR)

Pocahontas Gas LLC

(PRINCIPAL)  
By: Michael C. Hardoby, Vice President & Treasurer  
(PRINCIPAL)

RLI Insurance Company

(SURETY)  
By: Sandra L. Ham, Attorney in Fact

# POWER OF ATTORNEY

## RLI Insurance Company Contractors Bonding and Insurance Company

9025 N. Lindbergh Dr. Peoria, IL 61615  
Phone: 800-645-2402

Bond No. CMS0281815

### 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, but may be detached by the approving officer if desired.

That this Power of Attorney may be effective and given to either or both of RLI Insurance Company and Contractors Bonding and Insurance Company, required for the applicable bond.

That RLI Insurance Company and/or Contractors Bonding and Insurance Company, each Illinois corporations (as applicable), each authorized and licensed to do business in all states and the District of Columbia do hereby make, constitute and appoint:

Sandra L. Ham in the City of St. Louis, State of MO,  
it's true and lawful Agent and Attorney in Fact, with full power and authority hereby conferred upon him/her to sign, execute, acknowledge and deliver for and on its behalf as Surety, in general, any and all bonds and undertakings in an amount not to exceed Twenty Five Million Dollars (\$25,000,000) for any single obligation, and specifically for the following described bond.

Principal: Pocahontas Gas LLC  
Obligee: United States Environmental Protection Agency - Region III

RLI Insurance Company and Contractors Bonding and Insurance Company, as applicable, have each further certified that the following is a true and exact copy of a Resolution adopted by the Board of Directors of each such corporation, 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 Corporation 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 Corporation. 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 or other electronic image."

IN WITNESS WHEREOF, RLI Insurance Company and/or Contractors Bonding and Insurance Company, as applicable, have caused these presents to be executed by its respective Vice President with its corporate seal affixed this 15th day of

January, 2020



RLI Insurance Company  
Contractors Bonding and Insurance Company

B. W. Davis  
Barton W. Davis Vice President

State of Illinois

County of Peoria

} SS

On this 15th day of January, 2020, before me, a Notary Public, personally appeared Barton W. Davis, 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/or Contractors Bonding and Insurance Company, and acknowledged said instrument to be the voluntary act and deed of said corporation.

By: Jacqueline M. Bockler  
Jacqueline M. Bockler Notary Public



### CERTIFICATE

I, the undersigned officer of RLI Insurance Company and/or Contractors Bonding and Insurance Company, 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 and/or Contractors Bonding and Insurance Company this 15th day of January, 2020.

RLI Insurance Company  
Contractors Bonding and Insurance Company

By: Jeffrey D. Fick  
Jeffrey D. Fick Corporate Secretary

Attachment I. Existing EPA Permits (Virginia)

|                 |                     |
|-----------------|---------------------|
| <b>Ball A-1</b> | <b>VAS2D921BBUC</b> |
| <b>BPC-01</b>   | <b>VAS2D960BBUC</b> |
| <b>N26</b>      | <b>VAS2D930BBUC</b> |
| <b>U7</b>       | <b>VAS2D926BBUC</b> |
| <b>AW114A</b>   | <b>VAS2D970BRUS</b> |

Attachment J. Description of Business

*CNX Gas Company LLC is an Operator, Explorer, Gatherer and Producer of natural gas extracted from Coalbed Methane Gas Wells and Conventional Gas Wells, located in southwestern Commonwealth of Virginia.*



Attachment K. Optional Additional Project Information  
*Updated Information Included*

## Legend

- Architecture Labels
- Architecture Points
- ▣ Historic Districts
- USGS GIS Place names
- County Boundaries



Feet

0 200 400 600 800  
1:9 1"=752 Feet

**Title: No Historical Significance Identified**

**Date: 10/18/2019**

*DISCLAIMER: Records of the Virginia Department of Historic Resources (DHR) have been gathered over many years from a variety of sources and the representation depicted is a cumulative view of field observations over time and may not reflect current ground conditions. The map is for general information purposes and is not intended for engineering, legal or other site-specific uses. Map may contain errors and is provided "as-is". More information is available in the DHR Archives located at DHR's Richmond office.*

*Notice if AE sites: Locations of archaeological sites may be determined pursuant to the National Historic Preservation Act (NHPA), and the Archaeological Resources Protection Act (ARPA) and Code of Virginia §2.2-3705.7 (10). Release of precise locations may threaten archaeological sites and historic resources.*





# Virginia Department of Game and Inland Fisheries

10/18/2019 9:49:35 AM

## Fish and Wildlife Information Service

**VaFWIS Search Report** Compiled on 10/18/2019, 9:49:35 AM

[Help](#)

Observations reported or potential habitat occurs within a **3 mile radius around point**  
**Rattlesnake Branch Stream Buchanan**  
**(at 37,11,09.4 -82,04,58.4)**  
**in 027 Buchanan County, VA**

[View Map of  
Site Location](#)

418 Known or Likely Species ordered by Status Concern for Conservation  
 (displaying first 24) (24 species with Status\* or Tier I\*\* or Tier II\*\* )

| <u>BOVA Code</u> | <u>Status*</u> | <u>Tier**</u> | <u>Common Name</u>                           | <u>Scientific Name</u>              |
|------------------|----------------|---------------|----------------------------------------------|-------------------------------------|
| 050023           | FESE           | Ia            | <a href="#">Bat, Indiana</a>                 | Myotis sodalis                      |
| 050021           | FESE           | IIa           | <a href="#">Bat, gray</a>                    | Myotis grisescens                   |
| 050035           | FESE           | IIa           | <a href="#">Bat, Virginia big-eared</a>      | Corynorhinus townsendii virginianus |
| 050022           | FTST           | Ia            | <a href="#">Bat, northern long-eared</a>     | Myotis septentrionalis              |
| 070118           | FTST           | Ic            | <a href="#">Crayfish, Big Sandy</a>          | Cambarus callainus                  |
| 060029           | FT             | IIa           | <a href="#">Lance, yellow</a>                | Elliptio lanceolata                 |
| 010203           | SE             | Ia            | <a href="#">Darter, variegate</a>            | Etheostoma variatum                 |
| 050020           | SE             | Ia            | <a href="#">Bat, little brown</a>            | Myotis lucifugus                    |
| 050027           | SE             | Ia            | <a href="#">Bat, tri-colored</a>             | Perimyotis subflavus                |
| 040293           | ST             | Ia            | <a href="#">Shrike, loggerhead</a>           | Lanius ludovicianus                 |
| 110241           | ST             | Ic            | <a href="#">Supercoil, brown</a>             | Paravitrea septadens                |
| 020030           | CC             | IIb           | <a href="#">Salamander, green</a>            | Aneides aeneus                      |
| 030012           | CC             | IVa           | <a href="#">Rattlesnake, timber</a>          | Crotalus horridus                   |
| 040306           |                | Ia            | <a href="#">Warbler, golden-winged</a>       | Vermivora chrysoptera               |
| 050024           |                | Ia            | <a href="#">Myotis, eastern small-footed</a> | Myotis leibii                       |
| 100248           |                | Ia            | <a href="#">Fritillary, regal</a>            | Speyeria idalia idalia              |
| 040213           |                | Ic            | <a href="#">Owl, northern saw-whet</a>       | Aegolius acadicus                   |
| 020011           |                | IIa           | <a href="#">Frog, mountain chorus</a>        | Pseudacris brachyphona              |
| 040052           |                | IIa           | <a href="#">Duck, American black</a>         | Anas rubripes                       |
| 040320           |                | IIa           | <a href="#">Warbler, cerulean</a>            | Setophaga cerulea                   |
| 040140           |                | IIa           | <a href="#">Woodcock, American</a>           | Scolopax minor                      |
| 040203           |                | IIb           | <a href="#">Cuckoo, black-billed</a>         | Coccyzus erythrophthalmus           |
| 040304           |                | IIc           | <a href="#">Warbler, Swainson's</a>          | Limnothlypis swainsonii             |
| 070183           |                | IIc           | <a href="#">Crayfish, Coalfields</a>         | Cambarus theepiensis                |

To view **All 418 species** [View 418](#)

\*FE=Federal Endangered; FT=Federal Threatened; SE=State Endangered; ST=State Threatened; FP=Federal Proposed;  
FC=Federal Candidate; CC=Collection Concern

\*\*I=VA Wildlife Action Plan - Tier I - Critical Conservation Need;  
II=VA Wildlife Action Plan - Tier II - Very High Conservation Need;  
III=VA Wildlife Action Plan - Tier III - High Conservation Need;  
IV=VA Wildlife Action Plan - Tier IV - Moderate Conservation Need

Virginia Wildlife Action Plan Conservation Opportunity Ranking:

- a - On the ground management strategies/actions exist and can be feasibly implemented.;
- b - On the ground actions or research needs have been identified but cannot feasibly be implemented at this time.;
- c - No on the ground actions or research needs have been identified or all identified conservation opportunities have been exhausted.

### Anadromous Fish Use Streams

N/A

### Impediments to Fish Passage

N/A

### Threatened and Endangered Waters

N/A

### Managed Trout Streams ( 2 records )

[View Map of All  
Trout Stream Surveys](#)

| Reach ID | Stream Name      | Class     | Brook Trout | Brown Trout | Rainbow Trout | View Map            |
|----------|------------------|-----------|-------------|-------------|---------------|---------------------|
| 01BAW-01 | Baldwin Branch   | Stockable |             |             |               | <a href="#">Yes</a> |
| 01BIP-01 | Big Prater Creek | Stockable |             |             |               | <a href="#">Yes</a> |

### Bald Eagle Concentration Areas and Roosts

N/A

### Bald Eagle Nests

N/A

### Habitat Predicted for Aquatic WAP Tier I & II Species ( 3 Reaches )

[View Map Combined Reaches from Below of Habitat Predicted for WAP Tier I & II Aquatic Species](#)

| Stream Name      | Tier Species |                                                      |    |    |                         |            | View Map            |
|------------------|--------------|------------------------------------------------------|----|----|-------------------------|------------|---------------------|
|                  | Highest TE*  | BOVA Code, Status*, Tier**, Common & Scientific Name |    |    |                         |            |                     |
| Big Prater Creek | FTSE         | 010203                                               | SE | Ia | <a href="#">Darter,</a> | Etheostoma | <a href="#">Yes</a> |



|                             |    |        |      |    |                                     |                     |                     |
|-----------------------------|----|--------|------|----|-------------------------------------|---------------------|---------------------|
| (05070202)                  |    |        |      |    | <a href="#">variegata</a>           | variatum            |                     |
|                             |    | 070118 | FTST | Ic | <a href="#">Crayfish, Big Sandy</a> | Cambarus callainus  |                     |
| Big Prater Creek (05070202) | SE | 010203 | SE   | Ia | <a href="#">Darter, variegata</a>   | Etheostoma variatum | <a href="#">Yes</a> |
| Trace Fork (05070202)       | SE | 010203 | SE   | Ia | <a href="#">Darter, variegata</a>   | Etheostoma variatum | <a href="#">Yes</a> |
| Trace Fork (05070202)       | SE | 010203 | SE   | Ia | <a href="#">Darter, variegata</a>   | Etheostoma variatum | <a href="#">Yes</a> |

#### Habitat Predicted for Terrestrial WAP Tier I & II Species

| BOVA Code | Status* | Tier** | Common Name                           | Scientific Name        | View Map            |
|-----------|---------|--------|---------------------------------------|------------------------|---------------------|
| 020011    |         | IIa    | <a href="#">Frog, mountain chorus</a> | Pseudacris brachyphona | <a href="#">Yes</a> |

#### Virginia Breeding Bird Atlas Blocks ( 2 records )

[View Map of All Query Results](#)  
[Virginia Breeding Bird Atlas Blocks](#)

| BBA ID | Atlas Quadrangle Block Name | Breeding Bird Atlas Species |             |                | View Map            |
|--------|-----------------------------|-----------------------------|-------------|----------------|---------------------|
|        |                             | Different Species           | Highest TE* | Highest Tier** |                     |
| 13066  | <a href="#">Prater, SE</a>  | 41                          |             | II             | <a href="#">Yes</a> |
| 14066  | <a href="#">Vansant, SE</a> | 56                          |             | II             | <a href="#">Yes</a> |

#### Public Holdings:

N/A

#### Summary of BOVA Species Associated with Cities and Counties of the Commonwealth of Virginia:

| FIPS Code | City and County Name     | Different Species | Highest TE | Highest Tier |
|-----------|--------------------------|-------------------|------------|--------------|
| 027       | <a href="#">Buchanan</a> | 329               | FTSE       | I            |

#### USGS 7.5' Quadrangles:

Prater  
Vansant

#### USGS NRCS Watersheds in Virginia:

N/A

**USGS National 6th Order Watersheds Summary of Wildlife Action Plan Tier I, II, III, and IV Species:**

| <b>HU6 Code</b> | <b>USGS 6th Order Hydrologic Unit</b>        | <b>Different Species</b> | <b>Highest TE</b> | <b>Highest Tier</b> |
|-----------------|----------------------------------------------|--------------------------|-------------------|---------------------|
| BS08            | <a href="#">Garden Creek</a>                 | 56                       | FESE              | I                   |
| BS09            | <a href="#">Levisa Fork-Grassy Creek</a>     | 61                       | FESE              | I                   |
| BS12            | <a href="#">Levisa Fork-Prater Creek</a>     | 56                       | FTSE              | I                   |
| BS16            | <a href="#">Russell Fork-Hurricane Creek</a> | 60                       | FESE              | I                   |
| BS18            | <a href="#">Russell Fork-Fox Creek</a>       | 61                       | FESE              | I                   |

Compiled on 10/18/2019, 9:49:35 AM V997807.0 report=V searchType=R dist= 4828.032 poi= 37,11,09.4 -82,04,58.4

**audit no. 997807 10/18/2019 9:49:35 AM Virginia Fish and Wildlife Information Service**

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Commonwealth of Virginia  
Department of Mines, Minerals, and Energy  
Division of Gas and Oil  
P.O. Drawer 159, Lebanon, VA 24266  
Telephone: (276) 415-9700

|                       |                     |
|-----------------------|---------------------|
| Tracking Number:      | 6553                |
| Company:              | CNX Gas Company LLC |
| File Number:          | BU-0803             |
| Operations Name:      | CBM U7              |
| Operation Type:       | Gas                 |
| Drilling Report Type: | Original            |

## DRILLING REPORT (DGO-GO-14)

### 1. Drilling Data

|                               |            |                          |                                                                           |
|-------------------------------|------------|--------------------------|---------------------------------------------------------------------------|
| Date drilling commenced:      | 10/10/1994 | Drilling Contractor:     | Gasco                                                                     |
| Date drilling completed:      | 10/17/1994 | Rig Type:                | <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable |
| Driller's Total Depth (feet): | 1355.00    |                          |                                                                           |
| Log Total Depth (feet):       | 0.00       | Formation At Total Depth | POCAHONTAS FORMATION                                                      |

### 2. Final Location Plat (as required by 4 VAC25-150-360.C.)

|                          |               |                           |               |
|--------------------------|---------------|---------------------------|---------------|
| Permitted State Plane X: | 10439552.5300 | Final Plat State Plane X: | 10439552.0000 |
| Permitted State Plane Y: | 3610406.9500  | Final Plat State Plane Y: | 3610406.0000  |

Plat Previously Submitted Or... ☐

List of Attached Items:

| Description | FileName      |
|-------------|---------------|
| PLAT        | 4BU-0803 .pdf |

### 3. Geological Data

*Fresh Water At:*

| Depth (in feet) | Rate | Unit of Measure |
|-----------------|------|-----------------|
|-----------------|------|-----------------|

*Salt Water At:*

| Depth (in feet) | Rate | Unit of Measure |
|-----------------|------|-----------------|
|-----------------|------|-----------------|

*Coal Seams:*

List of Attached Items:

| Description | FileName |
|-------------|----------|
|-------------|----------|

*Gas and Oil Shows:*

List of Attached Items:

| Description | FileName |
|-------------|----------|
|-------------|----------|

### 4. Geophysical Logs (As required by 4VAC25-150-280.A)

List all logs run:     DEV/GR/CAL

Did logs disclose vertical locations of a coal seam?



### 5. Survey Results (As required by 4VAC25-150-280.B.2)

List of Attached Items:

| Description | FileName      |
|-------------|---------------|
| SURVEY      | 1BU-0803 .pdf |

### 6. Casing and Tubing Program

List of Attached Items:

| Description | FileName      |
|-------------|---------------|
| CASING      | 1BU-0803 .pdf |

#### 7. Remarks

Use this space to note any conditions or occurrences, such as lost circulation, fishing jobs, junk left in hole, sidetracks, squeeze jobs, etc., not shown above. Include data and depth of condition/occurrence.

#### 8. Drillers Log

Compiled By: \_\_\_\_\_

List of Attached Items:

| Description | FileName      |
|-------------|---------------|
| LOG         | 2BU-0803 .pdf |

#### 9. Comments

Information inserted by DGO [4/20/2015, jhh]

#### 10. Signature

Permitee: CNX Gas Company LLC Date: 4/20/2015

Signed By: Leslie Arrington Title: \*\*\*\*\*

#### INTERNAL USE ONLY

Submit Date: 4/20/2015

Status: A

Date: 5/27/2015

Final PDF Date: 3/11/2016

BEARING BASIS:  
VIRGINIA STATE PLANE COORDINATES SOUTH ZONE NAD'27  
ELEVATIONS:  
BY TRIG. LEVELS FROM CONSOL Inc. BM's



MINERAL P/L  
DASHED P/L's FROM MAPS  
PROVIDED BY CONSOL Inc.  
AND WERE NOT SURVEYED.

WELL BORE ON  
ISLAND CREEK COAL  
CO. SURFACE

N 19°55'12" W  
1245.57'

# WELL LOCATION INJECTION WELL U7

TD = 1355'

BOTTOM OF WELL LOCATION  
S 18°30'00" E -- 31.3 FT.

RATTLESNAKE BR.  
COUNTY ROAD

ACCESS RD.

N S RAILROAD

BIG PRATER CREEK  
ROUTE 620

N 34°33'42" W  
756.66'

## COORDINATES OF WELL:

|                |             |             |
|----------------|-------------|-------------|
| VP-5 MINE BASE | N 22606.44  | E 20569.69  |
| STATE PLANE    | N 329529.10 | E 956566.50 |

## UNDERGROUND LOCATION:

|                |             |             |
|----------------|-------------|-------------|
| VP-5 MINE BASE | N 22576.70  | E 20579.52  |
| STATE PLANE    | N 329499.42 | E 956576.43 |

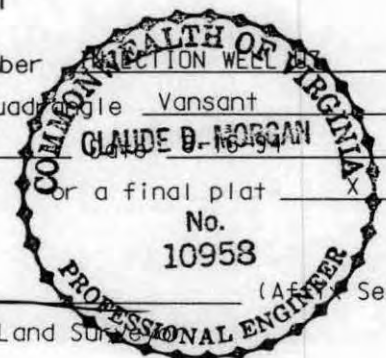
U7PLT  
4/132-52/28

## WELL LOCATION PLAT

Company CONSOL Inc. Well Name and Number INJECTION WELL U7  
Tract No. BIG AXE 11 Elevation 1486.26 Quadrangle Vansant  
County Buchanan District PRATER Scale: 1" = 400'  
This plat is a new plat        ; an updated plat        ; or a final plat       

Form DGO-GO-7  
Rev. 9/91

Licensed Professional Engineer or Licensed Land Surveyor



(As per Seal)

Department of Mines, Minerals and Energy  
Division of Gas and Oil

Operations Name: U-7  
Permit #: 2808

Cuttings or samples are    are not x available for examination by a member of the Virginia Division of Mineral Resources  
Cuttings or samples have    have not x been furnished to the Virginia Division of Mineral Resources

**ELECTRIC LOGS AND SURVEYS:**

List logs ran on wellbore: Deviation, Gamma, Caliper

Did log disclose vertical location of a coal seam? Yes x No   

**SURVEY RESULTS\*:**

| <u>DEPTH<br/>OF SURVEY</u> | <u>DIRECTION/DISTANCE/DEGREES<br/>FROM TRUE VERTICAL</u> |
|----------------------------|----------------------------------------------------------|
| 100                        | S 40.3 E / 0.5 / 1.3                                     |
| 200                        | S 48.9 E / 3.7 / 2.2                                     |
| 300                        | S 49.6 E / 7.6 / 2.6                                     |
| 400                        | S 51.2 E / 13.0 / 3.5                                    |
| 500                        | S 59.7 E / 18.1 / 4.7                                    |
| 600                        | S 59.2 E / 25.2 / 4.1                                    |
| 700                        | S 58.0 E / 31.2 / 3.1                                    |
| 800                        | S 56.9 E / 35.3 / 2.2                                    |
| 900                        | S 54.5 E / 38.0 / 1.8                                    |
| 1000                       | S 52.0 E / 39.6 / 2.4                                    |
| 1100                       | S 43.2 E / 37.6 / 4.6                                    |
| 1200                       | S 31.8 E / 33.9 / 5.2                                    |
| 1294                       | S 18.5 E / 31.3 / 5.4                                    |

\* Use additional sheets if necessary.

**CASING AND TUBING**

|                                                 | <u>SIZE</u> | <u>TOP</u> | <u>BOTTOM</u> | <u>LENGTH</u> | <u>CEMENT USED<br/>IN CU/FT</u> | <u>DATE<br/>CEMENTED</u> | <u>PACKERS OR BRIDGE PLUGS<br/>KIND SIZE SET AT</u> |
|-------------------------------------------------|-------------|------------|---------------|---------------|---------------------------------|--------------------------|-----------------------------------------------------|
| <u>Conductor</u>                                | 16"         | 0          | 56'-0         | 56'-0         | Cemented to Surface             | 10/10/94                 |                                                     |
| <u>Surface</u>                                  | 16"         | 0          | 56'           | 56'           |                                 |                          |                                                     |
| <u>Water Protection</u>                         | 11 3/4"     | 0          | 518.98'       | 518.98'       | 245 SKS                         | 10/12/94                 |                                                     |
| <u>Coal Protection</u>                          | 11 3/4"     | 0          | 518.98'       | 518.98'       | 245 SKS                         | 10/12/94                 |                                                     |
| <u>Other Casing<br/>and Tubing Left in Well</u> | 4 1/2"      | 0          | 1354.39'      | 1354.39'      |                                 |                          |                                                     |
| <u>Liners</u>                                   | 7"          | 0          | 1300.00'      | 1300.00'      | 570 SKS                         | 10/15/94                 |                                                     |

REMARKS: Shut down, fishing jobs, depths and dates, caving, lost circulation, etc.



Department of Mines, Minerals and Energy  
Division of Gas and Oil

Operations Name: U-7  
Permit #: 2808

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Cuttings or samples have    have not x been furnished to the Virginia Division of Mineral Resources

**ELECTRIC LOGS AND SURVEYS:**

List logs ran on wellbore: Deviation, Gamma, Caliper

Did log disclose vertical location of a coal seam? Yes x No   

**SURVEY RESULTS\*:**

| <u>DEPTH<br/>OF SURVEY</u> | <u>DIRECTION/DISTANCE/DEGREES<br/>FROM TRUE VERTICAL</u> |
|----------------------------|----------------------------------------------------------|
| 100                        | S 40.3 E / 0.5 / 1.3                                     |
| 200                        | S 48.9 E / 3.7 / 2.2                                     |
| 300                        | S 49.6 E / 7.6 / 2.6                                     |
| 400                        | S 51.2 E / 13.0 / 3.5                                    |
| 500                        | S 59.7 E / 18.1 / 4.7                                    |
| 600                        | S 59.2 E / 25.2 / 4.1                                    |
| 700                        | S 58.0 E / 31.2 / 3.1                                    |
| 800                        | S 56.9 E / 35.3 / 2.2                                    |
| 900                        | S 54.5 E / 38.0 / 1.8                                    |
| 1000                       | S 52.0 E / 39.6 / 2.4                                    |
| 1100                       | S 43.2 E / 37.6 / 4.6                                    |
| 1200                       | S 31.8 E / 33.9 / 5.2                                    |
| 1294                       | S 18.5 E / 31.3 / 5.4                                    |

\* Use additional sheets if necessary.

**CASING AND TUBING**

|                                                 | <u>SIZE</u> | <u>TOP</u> | <u>BOTTOM</u> | <u>LENGTH</u> | <u>CEMENT USED<br/>IN CU/FT</u> | <u>DATE<br/>CEMENTED</u> | <u>PACKERS OR BRIDGE PLUGS<br/>KIND SIZE SET AT</u> |
|-------------------------------------------------|-------------|------------|---------------|---------------|---------------------------------|--------------------------|-----------------------------------------------------|
| <u>Conductor</u>                                | 16"         | 0          | 56'-0         | 56'-0         | Cemented to Surface             | 10/10/94                 |                                                     |
| <u>Surface</u>                                  | 16"         | 0          | 56'           | 56'           |                                 |                          |                                                     |
| <u>Water Protection</u>                         | 11 3/4"     | 0          | 518.98'       | 518.98'       | 245 SKS                         | 10/12/94                 |                                                     |
| <u>Coal Protection</u>                          | 11 3/4"     | 0          | 518.98'       | 518.98'       | 245 SKS                         | 10/12/94                 |                                                     |
| <u>Other Casing<br/>and Tubing Left in Well</u> | 4 1/2"      | 0          | 1354.39'      | 1354.39'      |                                 |                          |                                                     |
| <u>Liners</u>                                   | 7"          | 0          | 1300.00'      | 1300.00'      | 570 SKS                         | 10/15/94                 |                                                     |

REMARKS: Shut down, fishing jobs, depths and dates, caving, lost circulation, etc.

DRILLER'S LOG

Compiled by - Gasco Drilling

| Geologic Age  | Formation  | General Lithology | Color | Depth |        | Thickness | Remarks |
|---------------|------------|-------------------|-------|-------|--------|-----------|---------|
|               |            |                   |       | Top   | Bottom |           |         |
| Pennsylvanian | Pocahontas | Overburden        | n/a   | 0     | 56     | 56        |         |
|               |            | Sandy Shale       | n/a   | 56    | 100    | 44        |         |
|               |            | Sandstone         | n/a   | 100   | 120    | 20        |         |
|               |            | Coal              | n/a   | 120   | 122    | 2         |         |
|               |            | Sandy Shale       | n/a   | 122   | 175    | 53        |         |
|               |            | Sandstone         | n/a   | 175   | 195    | 20        |         |
|               |            | Coal              | n/a   | 195   | 196    | 1         |         |
|               |            | Sandy Shale       | n/a   | 196   | 204    | 8         |         |
|               |            | Coal              | n/a   | 204   | 205    | 1         |         |
|               |            | Sandy Shale       | n/a   | 205   | 340    | 135       |         |
|               |            | Coal              | n/a   | 340   | 341    | 1         |         |
|               |            | Sandstone         | n/a   | 341   | 400    | 59        |         |
|               |            | Sandy Shale       | n/a   | 400   | 450    | 50        |         |
|               |            | Coal              | n/a   | 450   | 451    | 1         |         |
|               |            | Sandy Shale       | n/a   | 451   | 520    | 69        |         |
|               |            | Shale             | n/a   | 520   | 550    | 30        |         |
|               |            | Coal              | n/a   | 550   | 551    | 1         |         |
|               |            | Sandy Shale       | n/a   | 551   | 670    | 119       |         |
|               |            | Coal              | n/a   | 670   | 671    | 1         |         |
|               |            | Sandstone         | n/a   | 671   | 780    | 109       |         |
|               |            | Sandy Shale       | n/a   | 780   | 805    | 25        |         |
|               |            | Coal              | n/a   | 805   | 806    | 1         |         |
|               |            | Sandy Shale       | n/a   | 806   | 870    | 64        |         |
|               |            | Coal              | n/a   | 870   | 871    | 1         |         |
|               |            | Sandy Shale       | n/a   | 871   | 960    | 89        |         |
|               |            | Coal              | n/a   | 960   | 961    | 1         |         |
|               |            | Sandy Shale       | n/a   | 961   | 1040   | 79        |         |
|               |            | Sandstone         | n/a   | 1040  | 1160   | 120       |         |
|               |            | Sandy Shale       | n/a   | 1160  | 1250   | 90        |         |
|               |            | Coal              | n/a   | 1250  | 1253   | 3         |         |
|               |            | Sandy Shale       | n/a   | 1253  | 1286   | 33        |         |
|               |            | Coal              | n/a   | 1286  | 1288   | 2         |         |
|               |            | Sandy Shale       | n/a   | 1288  | 1350   | 62        |         |
|               |            | OPEN              | n/a   | 1350  |        |           |         |

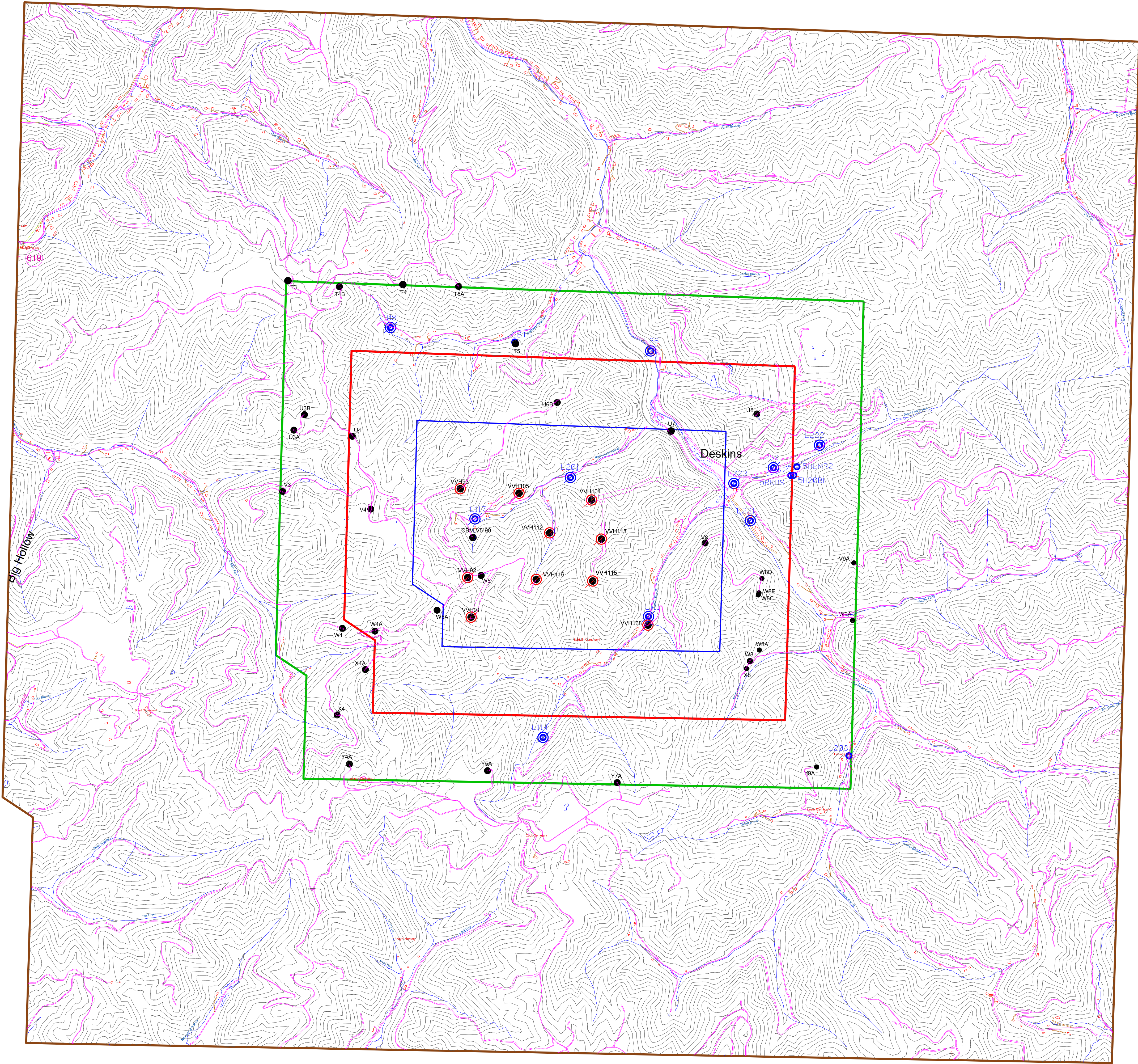
Permittee: CONSOL Inc. (Company)

By: Leslie K. Cunningham (Signature)



| Summary of Well Information |                    |                 |               |               |               |            |              |                  |         |                  |                 |                  |
|-----------------------------|--------------------|-----------------|---------------|---------------|---------------|------------|--------------|------------------|---------|------------------|-----------------|------------------|
| WELL NUMBER                 | OPERATOR           | VA SOUTH        |               | STATE PLANE   | WELL TYPE     | FORMATION  | DATE DRILLED | CASING CONDUCTOR | SURFACE | WATER PROTECTION | COAL PROTECTION | TOTAL DEPTH (FT) |
|                             |                    | NAD 83 N COORDS | E COORDS      |               |               |            |              |                  |         |                  |                 |                  |
| T3                          | POCAHONTAS GAS LLC | 3,613,352.25    | 10,432,019.52 | PRODUCING/CBM | POCAHONTAS #3 | 12/23/1990 | 98           | 438              |         |                  | 2363            | 2422             |
| T4                          | POCAHONTAS GAS LLC | 3,613,270.35    | 10,434,290.87 | PRODUCING/CBM | POCAHONTAS #3 | 8/9/1992   | 28           | 449              |         |                  | 2187            | 2262             |
| T4B                         | POCAHONTAS GAS LLC | 3,613,251.22    | 10,433,049.77 | PRODUCING/CBM | POCAHONTAS #3 | 6/18/2010  | 13           | 253              |         |                  | 2307            | 2495             |
| T5                          | POCAHONTAS GAS LLC | 3,612,155.73    | 10,436,493.17 | PRODUCING/CBM | POCAHONTAS #3 | 12/30/1992 | 34           | 390              |         |                  | 1494            | 1571             |
| T5A                         | POCAHONTAS GAS LLC | 3,613,254.73    | 10,435,388.87 | PRODUCING/CBM | POCAHONTAS #3 | 10/14/2010 | 13           | 211              |         |                  | 2148            | 2350             |
| U3A                         | POCAHONTAS GAS LLC | 3,610,438.30    | 10,432,157.30 | PRODUCING/CBM | POCAHONTAS #3 | 11/2/2011  | 11           | 281              |         |                  | 1882            | 2070             |
| U3B                         | POCAHONTAS GAS LLC | 3,610,740.69    | 10,432,365.30 | PRODUCING/CBM | POCAHONTAS #3 | 10/26/2011 | 10           | 281              |         |                  | 2460            | 2515             |
| U4                          | POCAHONTAS GAS LLC | 3,610,318.02    | 10,433,303.79 | PRODUCING/CBM | POCAHONTAS #3 | 10/11/2005 | 31           | 308              |         |                  | 2437            | 2605             |
| U6B                         | POCAHONTAS GAS LLC | 3,610,981.13    | 10,437,322.61 | PRODUCING/CBM | POCAHONTAS #3 | 3/29/2011  | 31           | 250              | 549     |                  | 2300            | 2318             |
| U8                          | POCAHONTAS GAS LLC | 3,610,754.91    | 10,441,236.08 | PRODUCING/CBM | POCAHONTAS #3 | 2/18/2007  | 28           | 355              |         |                  | 2057            | 2080             |
| V3                          | POCAHONTAS GAS LLC | 3,609,236.02    | 10,431,938.06 | PRODUCING/CBM | POCAHONTAS #3 | 10/24/2005 | 13           | 223              |         |                  | 2238            | 2390             |
| V4                          | POCAHONTAS GAS LLC | 3,608,891.19    | 10,433,665.71 | PRODUCING/CBM | POCAHONTAS #3 | 10/17/2005 | 12           | 310              |         |                  | 2417            | 2605             |
| V8                          | POCAHONTAS GAS LLC | 3,608,230.81    | 10,440,223.07 | PRODUCING/CBM | POCAHONTAS #3 | 8/20/2007  | 8            | 309              |         |                  | 1697            | 1880             |
| V9A                         | POCAHONTAS GAS LLC | 3,607,836.63    | 10,443,137.40 | PRODUCING/CBM | POCAHONTAS #3 | 3/20/1998  | 21           | 725              |         |                  |                 | 1789             |
| W4                          | POCAHONTAS GAS LLC | 3,606,553.67    | 10,433,108.89 | PRODUCING/CBM | POCAHONTAS #3 | 3/16/2006  | 20           | 221              |         |                  | 2253            | 2375             |
| W4A                         | POCAHONTAS GAS LLC | 3,606,499.06    | 10,433,747.64 | PRODUCING/CBM | POCAHONTAS #3 | 1/20/2012  | 38           | 212              |         |                  | 2362            | 2525             |
| W5                          | POCAHONTAS GAS LLC | 3,607,589.74    | 10,435,830.96 | PRODUCING/CBM | POCAHONTAS #3 | 3/12/2007  | 24           | 398              |         |                  | 2240            | 2250             |
| W5A                         | POCAHONTAS GAS LLC | 3,606,908.70    | 10,434,965.94 | PRODUCING/CBM | POCAHONTAS #3 | 3/16/2007  | 25           | 309              | 752     |                  | 2536            | 2545             |
| W8                          | POCAHONTAS GAS LLC | 3,605,911.09    | 10,441,100.94 | PRODUCING/CBM | POCAHONTAS #3 | 9/13/2005  | 25           | 442              |         |                  |                 | 1515             |
| W8A                         | POCAHONTAS GAS LLC | 3,606,128.35    | 10,441,286.08 | PRODUCING/CBM | POCAHONTAS #3 | 9/2/2005   | 36           | 455              |         |                  |                 | 1493             |
| W8C                         | POCAHONTAS GAS LLC | 3,607,208.09    | 10,441,264.36 | PRODUCING/CBM | POCAHONTAS #3 | 9/21/2005  | 10           | 499              |         |                  |                 | 1681             |
| W8D                         | POCAHONTAS GAS LLC | 3,607,532.38    | 10,441,335.40 | PRODUCING/CBM | POCAHONTAS #3 | 9/24/2005  | 11           | 545              |         |                  |                 | 1583             |
| W8E                         | POCAHONTAS GAS LLC | 3,607,249.80    | 10,441,278.12 | PRODUCING/CBM | POCAHONTAS #3 | 9/30/2005  | 20           | 517              |         |                  |                 | 1607             |
| W9A                         | POCAHONTAS GAS LLC | 3,606,709.25    | 10,443,122.46 | PRODUCING/CBM | POCAHONTAS #3 | 2/14/2000  | 12           | 513              |         |                  |                 | 1409             |
| X4                          | POCAHONTAS GAS LLC | 3,604,855.46    | 10,433,006.83 | PRODUCING/CBM | POCAHONTAS #3 | 7/26/2001  | 23           | 221              |         |                  | 2316            | 2404             |
| X4A                         | POCAHONTAS GAS LLC | 3,605,740.27    | 10,433,555.11 | PRODUCING/CBM | POCAHONTAS #3 | 6/11/2007  | 32           | 221              |         |                  | 2430            | 2590             |
| X8                          | POCAHONTAS GAS LLC | 3,605,765.24    | 10,441,035.57 | PRODUCING/CBM | POCAHONTAS #3 | 9/10/2005  | 20           | 448              |         |                  |                 | 1514             |
| Y4A                         | POCAHONTAS GAS LLC | 3,603,887.58    | 10,433,246.92 | PRODUCING/CBM | POCAHONTAS #3 | 10/7/2008  | 9            | 297              |         |                  | 2502            | 2639             |
| Y5A                         | POCAHONTAS GAS LLC | 3,603,762.35    | 10,435,935.35 | PRODUCING/CBM | POCAHONTAS #3 | 12/18/2007 | 21           | 445              |         |                  | 2216            | 2350             |
| Y7A                         | POCAHONTAS GAS LLC | 3,603,529.44    | 10,438,497.56 | PRODUCING/CBM | POCAHONTAS #3 | 8/13/2008  | 13           | 221              |         |                  | 2337            | 2435             |
| Y9A                         | POCAHONTAS GAS LLC | 3,603,835.39    | 10,442,408.63 | PRODUCING/CBM | POCAHONTAS #3 | 3/4/1998   | 20           | 642              |         |                  | 1748            | 1830             |

| WELL NUMBER | OPERATOR              | VA SOUTH        |               | STATE PLANE       | WELL TYPE     | FORMATION | DATE DRILLED | CASING CONDUCTOR | SURFACE | WATER PROTECTION | COAL PROTECTION | TOTAL DEPTH (FT) |
|-------------|-----------------------|-----------------|---------------|-------------------|---------------|-----------|--------------|------------------|---------|------------------|-----------------|------------------|
|             |                       | NAD 83 N COORDS | E COORDS      |                   |               |           |              |                  |         |                  |                 |                  |
| L-86        | ISLAND CREEK COAL CO. | 3,611,983.99    | 10,439,159.41 | PLUGGED/CORE      | POCAHONTAS #3 | 1957      |              | DNA              |         |                  |                 | 1576             |
| L-108       | ISLAND CREEK COAL CO. | 3,612,441.82    | 10,434,057.22 | PLUGGED/CORE      | POCAHONTAS #3 | 1959      |              | DNA              |         |                  |                 | 1791             |
| L-111       | ISLAND CREEK COAL CO. | 3,606,779.28    | 10,439,116.24 | PLUGGED/CORE      | POCAHONTAS #3 | 1959      |              | DNA              |         |                  |                 | 1462             |
| L-114       | ISLAND CREEK COAL CO. | 3,604,361.12    | 10,437,041.30 | PLUGGED/CORE      | POCAHONTAS #3 | 1958      |              | DNA              |         |                  |                 | 1963             |
| L-117       | ISLAND CREEK COAL CO. | 3,608,689.74    | 10,435,713.85 | PLUGGED/CORE      | POCAHONTAS #3 | 1959      |              | DNA              |         |                  |                 | 1805             |
| L-201       | ISLAND CREEK COAL CO. | 3,609,502.54    | 10,437,585.69 | PLUGGED/CORE      | POCAHONTAS #3 | 1971      |              | DNA              |         |                  |                 | 1646             |
| L-203       | ISLAND CREEK COAL CO. | 3,604,055.38    | 10,443,044.43 | PLUGGED/CORE      | DNA           | DNA       |              |                  |         |                  |                 | DNA              |
| L-221       | ISLAND CREEK COAL CO. | 3,608,657.64    | 10,441,114.15 | PLUGGED/CORE      | POCAHONTAS #3 | 1974      |              | DNA              |         |                  |                 | 1460             |
| L-222       | ISLAND CREEK COAL CO. | 3,610,138.21    | 10,442,469.78 | PLUGGED/CORE      | POCAHONTAS #3 | 1974      |              | DNA              |         |                  |                 | 1468             |
| L-223       | ISLAND CREEK COAL CO. | 3,609,387.85    | 10,440,790.43 | PLUGGED/CORE      | POCAHONTAS #3 | 1974      |              | DNA              |         |                  |                 | 1465             |
| L-230       | ISLAND CREEK COAL CO. | 3,609,695.79    | 10,441,565.08 | PLUGGED/CORE      | POCAHONTAS #3 | 1974      |              | DNA              |         |                  |                 | 1365             |
| V5-90       | POCAHONTAS GAS LLC    | 3,608,332.30    | 10,435,667.91 | SHUT IN/CBM       | POCAHONTAS #3 | 10/7/1979 | 43           |                  | 250     |                  | 1838            | 1852             |
| VVH-91      | ISLAND CREEK COAL CO. | 3,606,772.65    | 10,435,633.24 | PLUGGED/CBM       | POCAHONTAS #3 | DNA       |              |                  |         |                  |                 | 2275             |
| VVH-92      | ISLAND CREEK COAL CO. | 3,607,549.03    | 10,435,565.01 | PLUGGED/CBM       | POCAHONTAS #3 | DNA       |              |                  |         |                  |                 | 2122             |
| VVH-93      | ISLAND CREEK COAL CO. | 3,609,289.14    | 10,435,419.95 | PLUGGED/CBM       | POCAHONTAS #3 | DNA       |              |                  |         |                  |                 | 1571             |
| VVH-104     | ISLAND CREEK COAL CO. | 3,609,069.80    | 10,437,997.23 | PLUGGED/CBM       | DNA           | DNA       |              |                  |         |                  |                 | DNA              |
| VVH-105     | ISLAND CREEK COAL CO. | 3,609,202.05    | 10,436,572.78 | PLUGGED/CBM       | POCAHONTAS #3 | DNA       |              |                  |         |                  |                 | 1703             |
| VVH-112     | ISLAND CREEK COAL CO. | 3,608,424.60    | 10,437,174.50 | PLUGGED/CBM       | POCAHONTAS #3 | DNA       |              |                  |         |                  |                 | 1785             |
| VVH-113     | ISLAND CREEK COAL CO. | 3,608,302.54    | 10,438,187.75 | PLUGGED/CBM       | POCAHONTAS #3 | DNA       |              |                  |         |                  |                 | 1984             |
| VVH-115     | ISLAND CREEK COAL CO. | 3,607,481.61    | 10,438,019.77 | PLUGGED/CBM       | DNA           | DNA       |              |                  |         |                  |                 | DNA              |
| VVH-116     | ISLAND CREEK COAL CO. | 3,607,513.71    | 10,436,911.74 | PLUGGED/CBM       | DNA           | DNA       |              |                  |         |                  |                 | DNA              |
| VVH-168     | ISLAND CREEK COAL CO. | 3,606,581.61    | 10,438,940.09 | PLUGGED/CBM       | POCAHONTAS #3 | 1987      |              | DNA              |         |                  |                 | 1507             |
| SHLMR2      | ISLAND CREEK COAL CO. | 3,609,714.69    | 10,442,026.97 | PLUGGED/TEST HOLE | POCAHONTAS #3 | DNA       |              |                  |         |                  |                 | 1391             |
| SH20BH      | ISLAND CREEK COAL CO. | 3,609,548.59    | 10,441,964.13 | UGGED/WATER SUPPL | POCAHONTAS #3 | DNA       |              |                  |         |                  |                 | 1429             |
| SRKDTST     | ISLAND CREEK COAL CO. | 3,609,550.24    | 10,441,905.07 | PLUGGED/ROCK DUST | POCAHONTAS #3 | DNA       |              |                  |         |                  |                 | 1416             |
| 5NIT2       | ISLAND CREEK COAL CO. | 3,607,900.90    | 10,435,352.00 | MONITORING WELL   | POCAHONTAS #3 | DNA       |              |                  |         |                  |                 | 2135             |



#### LEGEND

- VP-5 SEALED GOB BOUNDARY
- 1/4 MILE RADIUS
- 1/2 MILE RADIUS
- 1 MILE RADIUS
- CBM WELL
- PLUGGED VVH
- CORE HOLE
- PLUGGED CORE HOLE



#### U7 AREA OF REVIEW MAP 1 OF 3

BUCHANAN COUNTY, VIRGINIA

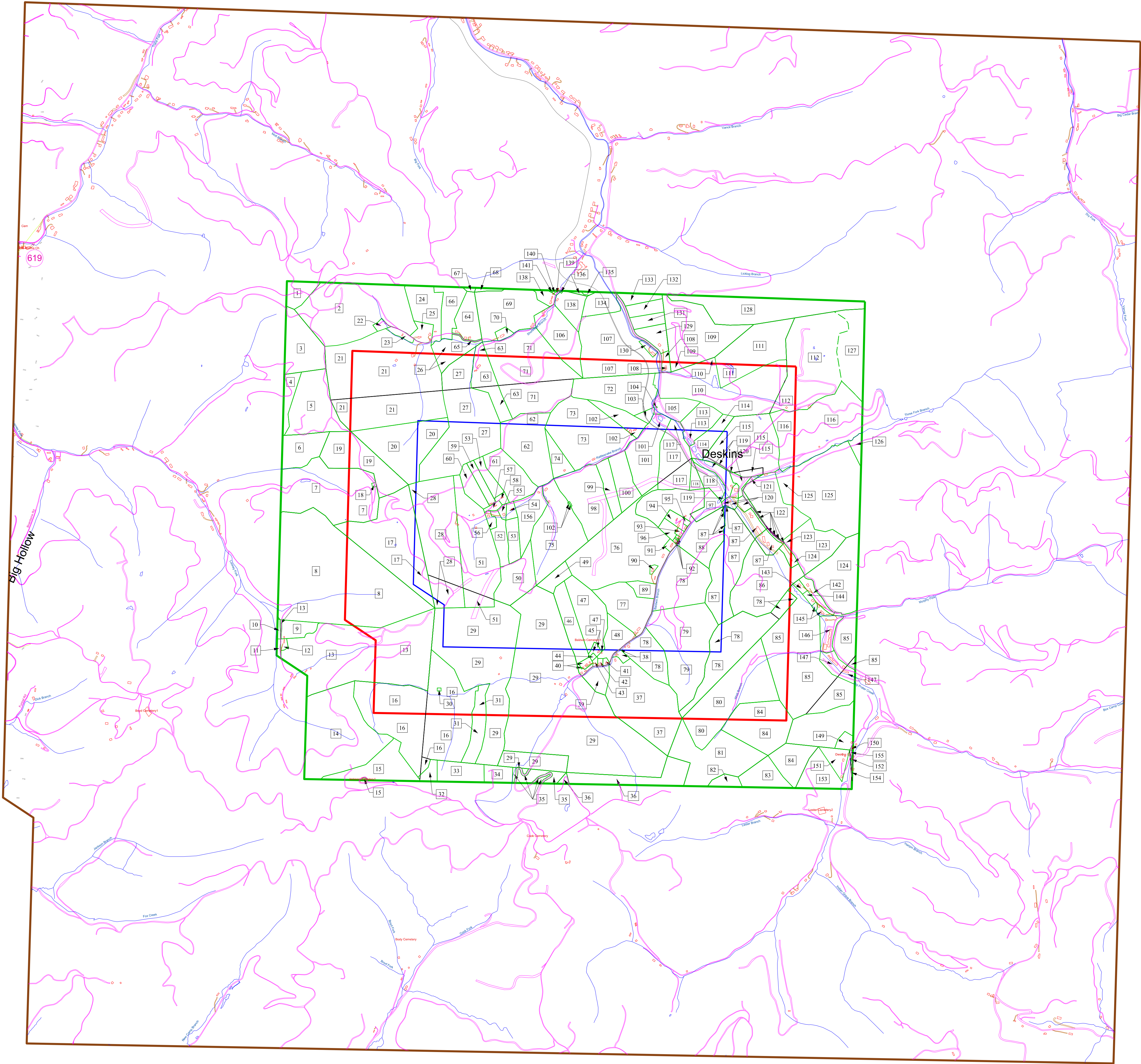
SCALE:  
1" = 1000'

PREPARED BY:

DATE: JANUARY 28, 2020



| SURFACE PROPERTY OWNERS |                                          |                                                 |
|-------------------------|------------------------------------------|-------------------------------------------------|
| Tract No.               | Owner                                    | Address                                         |
| 1                       | Benny C. Looney                          | P.O. Box 447 Vansant, Va 24656                  |
| 2                       | Illie Jane Compton                       | 1074 Chestnut Rd Pilgrims Knob, Va 24634        |
| 3                       | Josh Vince Armes                         | 170 Altizer Drive Cedar Bluff, Va 24609         |
| 4                       | Josh Vince Armes                         | 170 Altizer Drive Cedar Bluff, Va 24609         |
| 5                       | Paul Coleman                             | 2081 Red Dirt Rd Vansant, VA 24656              |
| 6                       | Stephen Hartford                         | 2147 Red Dirt Rd Vansant, VA 24656              |
| 7                       | Paul Coleman                             | 2081 Red Dirt Rd Vansant, VA 24656              |
| 8                       | Illie Boyd Estate c/o Tim Boyd           | P.O. Box 81 Cucumber, WV 24826                  |
| 9                       | Aaron Hunt                               | P.O. Box 428 Vansant, VA 24656                  |
| 10                      | Barrell Jackson                          | P.O. Box 1140 Vansant, VA 24656                 |
| 11                      | Lonnie Keith Boyd                        | 4055 Leemaster Dr Vansant, VA 24656             |
| 12                      | Louis Jackson                            | P.O. Box 285 Vansant, VA 24656                  |
| 13                      | Stephen Hartford                         | 2147 Red Dirt Rd Vansant, VA 24656              |
| 14                      | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 15                      | Larry Nuckles                            | 1443 Big Cedar Creek Rd Lebanon, VA 24266       |
| 16                      | Jeff Yates                               | Box 207, Elkmills, Maryland 21920               |
| 17                      | Levisia Coal Company                     | 4710 Hunterwood Circle Richmond, Tx 77406       |
| 18                      | CNE/EN                                   |                                                 |
| 19                      | Ralph D. Thacker                         | 20021 Thacker Dr. Boonsboro, MD 21713           |
| 20                      | Russell Gambill                          | 974 Vannoy Road Millers Creek, NC 28651         |
| 21                      | William Stiltner                         | 1819 Shortridge Branch Rd. Vansant, Va 24656    |
| 22                      | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 23                      | Kenneth Elwick                           | 1899 Shortridge Branch Rd Vansant, VA 24656     |
| 24                      | Albert Horn                              | P.O. Box 518 Vansant, VA 24656                  |
| 25                      | Jasmine Conner                           | 92 Bailey St. Hazard, KY 41701                  |
| 26                      | Jose S. Spinetta                         | P.O. Box 14774 Durham, NC 27709                 |
| 27                      | Jose S. Spinetta                         | P.O. Box 14774 Durham, NC 27709                 |
| 28                      | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 29                      | Gregory L. Cook                          | P.O. Box 1163 Vansant, Va 24656                 |
| 30                      | Evans Yates                              | 44 Sunnyside Rd Chesapeake City, MD 21915       |
| 31                      | Danny Yates                              | P.O. Box 1, Elkon, MD 21922                     |
| 32                      | Eugene Ratliff                           | 7995 Garden Creek Rd. Oakwood, VA 24631         |
| 33                      | Lawrence Jackson                         | P.O. Box 376 Vansant, VA 24656                  |
| 34                      | Lawrence Jackson                         | P.O. Box 376 Vansant, VA 24656                  |
| 35                      | Lawrence Jackson                         | P.O. Box 376 Vansant, VA 24656                  |
| 36                      | Henry Barton                             | P.O. Box 165 Vansant, VA 24656                  |
| 37                      | Lawrence Jackson                         | P.O. Box 376 Vansant, VA 24656                  |
| 38                      | Lawrence Jackson                         | P.O. Box 376 Vansant, VA 24656                  |
| 39                      | Alvin Wayne Cox                          | P.O. Box 462 Vansant, VA 24656                  |
| 40                      | Gregory Jackson                          | P.O. Box 1146 Vansant, VA 24656                 |
| 41                      | Alvin Wayne Cox                          | P.O. Box 462 Vansant, VA 24656                  |
| 42                      | Alvin Wayne Cox                          | P.O. Box 462 Vansant, VA 24656                  |
| 43                      | Lawrence Jackson                         | P.O. Box 376 Vansant, VA 24656                  |
| 44                      | Not available                            |                                                 |
| 45                      | Alvin Wayne Cox                          | P.O. Box 462 Vansant, VA 24656                  |
| 46                      | Alvin Wayne Cox                          | P.O. Box 462 Vansant, VA 24656                  |
| 47                      | Alvin Wayne Cox                          | P.O. Box 462 Vansant, VA 24656                  |
| 48                      | Lawrence Jackson                         | P.O. Box 376 Vansant, VA 24656                  |
| 49                      | Teddy D. Shortridge                      | P.O. Box 898 Vansant, Va 24656                  |
| 50                      | Teddy D. Shortridge                      | P.O. Box 898 Vansant, Va 24656                  |
| 51                      | Bill Sam Campbell                        | P.O. Box 6 Vansant, VA 24656                    |
| 52                      | Billy Kinser                             | P.O. Box 545 Keen Mtn. VA 24624                 |
| 53                      | Jeffery Allen Lester                     | P.O. Box 912 Vansant, VA 24656                  |
| 54                      | Teddy D. Shortridge                      | P.O. Box 898 Vansant, VA 24656                  |
| 55                      | Teddy D. Shortridge                      | P.O. Box 898 Vansant, Va 24656                  |
| 56                      | Teddy D. Shortridge                      | P.O. Box 898 Vansant, Va 24656                  |
| 57                      | Shannon Lynn Kinser Baker                | 2865 Spoonbill Trl. Orange Park, FL 32073       |
| 58                      | Martha Owens                             | P.O. Box 948 Vansant, VA 24656                  |
| 59                      | Jeffery Allen Lester                     | P.O. Box 912 Vansant, VA 24656                  |
| 60                      | Billy Kinser                             | P.O. Box 545 Keen Mtn. VA 24624                 |
| 61                      | William Robert Hagy                      | 2996 Chatham C. Abingdon, VA 24210              |
| 62                      | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 63                      | James Shortridge                         | 1151 Mountain Resort Dr. Vansant, VA 24656      |
| 64                      | Betty Hurley Stacy                       | P.O. Box 267 Hurley, VA 24620                   |
| 65                      | Not available                            |                                                 |
| 66                      | Judy Newberry                            | P.O. Box 981 Amherst, 24521                     |
| 67                      | Delphia Looney                           | 15244 Cedar Crk Meadowview, VA 24361            |
| 68                      | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 69                      | Kay Breeding                             | P.O. Box 1062 Vansant, VA 24656                 |
| 70                      | Teddy D. Shortridge                      | P.O. Box 898 Vansant, VA 24656                  |
| 71                      | James C. Shortridge                      | 1151 Mountain Resort Dr. Vansant, VA 24656      |
| 72                      | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 73                      | Ernest Church                            | P.O. Box 423 Vansant, VA 24656                  |
| 74                      | Danny Church                             | 1396 Laymantown Road Trouville, VA 24175        |
| 75                      | Teddy D. Shortridge                      | P.O. Box 898 Vansant, VA 24656                  |
| 76                      | Donna Adkins                             | P.O. Box 267 Vansant, VA 24656                  |
| 77                      | Lawrence Jackson                         | P.O. Box 376 Vansant, VA 24656                  |
| 78                      | Bobby Jackson                            | P.O. Box 872 Lester Prairie, MN 55354           |
| 79                      | Bobby Jackson                            | P.O. Box 872 Lester Prairie, MN 55354           |
| 80                      | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 81                      | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 82                      | Madie Colley c/o Fairy D. Rose           | 4906 Cochise Trail N. Chesterfield, VA 23227    |
| 83                      | Larry Edward Cook                        | 1276 Lester Branch Rd. Vansant, VA 24656        |
| 84                      | William Cox c/o Theresa Brent            | 713 Churchmans Mill Rd. Stuarts Draft, VA 24477 |
| 85                      | Buchanan County, VA                      | P.O. Box 950 Grundy, VA 24614                   |
| 86                      | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 87                      | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 88                      | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 89                      | Lonnie Nunley                            | P.O. Box 267 Vansant, VA 24656                  |
| 90                      | Robert Adkins                            | P.O. Box 267 Vansant, VA 24656                  |
| 91                      | Douglas Adkins                           | P.O. Box 267 Vansant, VA 24656                  |
| 92                      | Molly Lorraine Ramey                     | P.O. Box 485 Vansant, VA 24656                  |
| 93                      | Naydene Bailey                           | 931 Greengate Drive Lebanon, VA 45036           |
| 94                      | Betty Yates                              | P.O. Box 735 Vansant, VA 24656                  |
| 95                      | Joe Rosalie Tiller c/o Irene Tiller      | P.O. Box 735 Vansant, VA 24656                  |
| 96                      | Betty Yates                              | P.O. Box 735 Vansant, VA 24656                  |
| 97                      | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 98                      | Johnny Ratliff                           | 24466 Abbe Ln Bristol, VA 24202                 |
| 99                      | Aaron A. Shears                          | 1236 Noel Hill, Oakwood, VA 24631               |
| 100                     | Carol Sturgill                           | P.O. Box 723 Vansant, VA 24656                  |
| 101                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 102                     | Not available                            |                                                 |
| 103                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 104                     | PSA                                      | 1023 Owens Branch Rd Vansant, VA 24656          |
| 105                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 106                     | Jack Snyder                              | 120 Bona Vesta Dr. Bryan, OH 43306              |
| 107                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 108                     | Steve Moore                              | P.O. Box 548                                    |
| 109                     | Amelia Shoup                             | 14441 Marsh Pike 28 Hagerstown, MD 21742        |
| 110                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 111                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 112                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 113                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 114                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 115                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 116                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 117                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 118                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 119                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 120                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 121                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 122                     | VDOT                                     | 1401 E. Broad St. Richmond, Virginia 23219      |
| 123                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 124                     | Theresa Brent                            | 713 Churchmans Mill Rd. Stuarts Draft, VA 24477 |
| 125                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 126                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 127                     | CNX Gas Company LLC                      | 1000 Consol Energy Dr. Canonsburg, PA 15317     |
| 128                     | Yukon Pochontas Coal Company, L.P., RL   | P.O. Box 187 Tazewell, VA 24651                 |
| 129                     | Steve Moore                              | P.O. Box 548 Vansant, VA 24656                  |
| 130                     | Little Freedom Church                    | Rt. 2 Box 533 Vansant, VA 24656                 |
| 131                     | Douglas Lane                             | P.O. Box 1060 Vansant, VA 24656                 |
| 132                     | Douglas Lane                             | P.O. Box 1060 Vansant, VA 24656                 |
| 133                     | Douglas Lane                             | P.O. Box 1060 Vansant, VA 24656                 |
| 134                     | Norfolk Southern Railway Company         | 1200 Peachtree St. NE Atlanta, GA 30309         |
| 135                     | Norfolk Southern Railway Company         | 1200 Peachtree St. NE Atlanta, GA 30309         |
| 136                     | Buchanan County, VA                      | P.O. Box 950 Grundy, VA 24614                   |
| 137                     | Allen Hagerman                           | P.O. Box 326 Vansant, VA 24656                  |
| 138                     | Patricia Breeding                        | P.O. Box 1082 Vansant, VA 24656                 |
| 139                     | Patricia Breeding                        | P.O. Box 1082 Vansant, VA 24656                 |
| 140                     | Allen Hagerman                           | P.O. Box 326 Vansant, VA 24656                  |
| 141                     | Patricia Breeding                        | P.O. Box 1082 Vansant, VA 24656                 |
| 142                     | Janet Brown c/o Rebecca Horn             | 1131 Valance Dr. Vansant, VA 24656              |
| 143                     | Janet Brown c/o Rebecca Horn             | 1131 Valance Dr. Vansant, VA 24656              |
| 144                     | William E. Rife                          | 3451 Deskins Rd Vansant, VA 24656               |
| 145                     | Walter Price c/o Cynthia Rife            | P.O. Box 880 Vansant, VA 24656                  |
| 146                     | VA Housing Development Authority         | P.O. Box 5127 Richmond, VA 23201                |
| 147                     | VDOT                                     | 1401 E. Broad St. Richmond, Virginia 23219      |
| 148                     | Kay Barton                               | 1106 Parett Fletcher Rd Vansant, VA 24656       |
| 149                     | James Cook                               | P.O. Box 391 Vansant, VA 24656                  |
| 150                     | Roger Wayne Perkins                      | 2576 Boyd Ridge Rd. Vansant, VA 24656           |
| 151                     | Clayton Perkins                          | 1023 Perkins Hill Rd Vansant, VA 24656          |
| 152                     | Union Chapel Church Trustess             | P.O. Box 104 Oakwood, VA 24631                  |
| 153                     | Regina O'Quinn                           | P.O. Box 1031 Vansant, VA 24656                 |
| 154                     | Kathleen Meadows                         | Not available                                   |
| 155                     | Brain Investments LLC                    | 518 Holston Ave. Suite 100 Bristol, TN 37620    |
| 156                     | Billy & Mammie Shortridge c/o Teresa Ged | 5930 Andechs Smt Duluth, GA 30097               |



LEGEND

- VP-5 SEALED GOB BOUNDARY
- 1/4 MILE RADIUS
- 1/2 MILE RADIUS
- 1 MILE RADIUS



U7  
AREA OF REVIEW  
MAP 2 OF 3

BUCHANAN COUNTY, VIRGINIA

SCALE:  
1" = 1000'

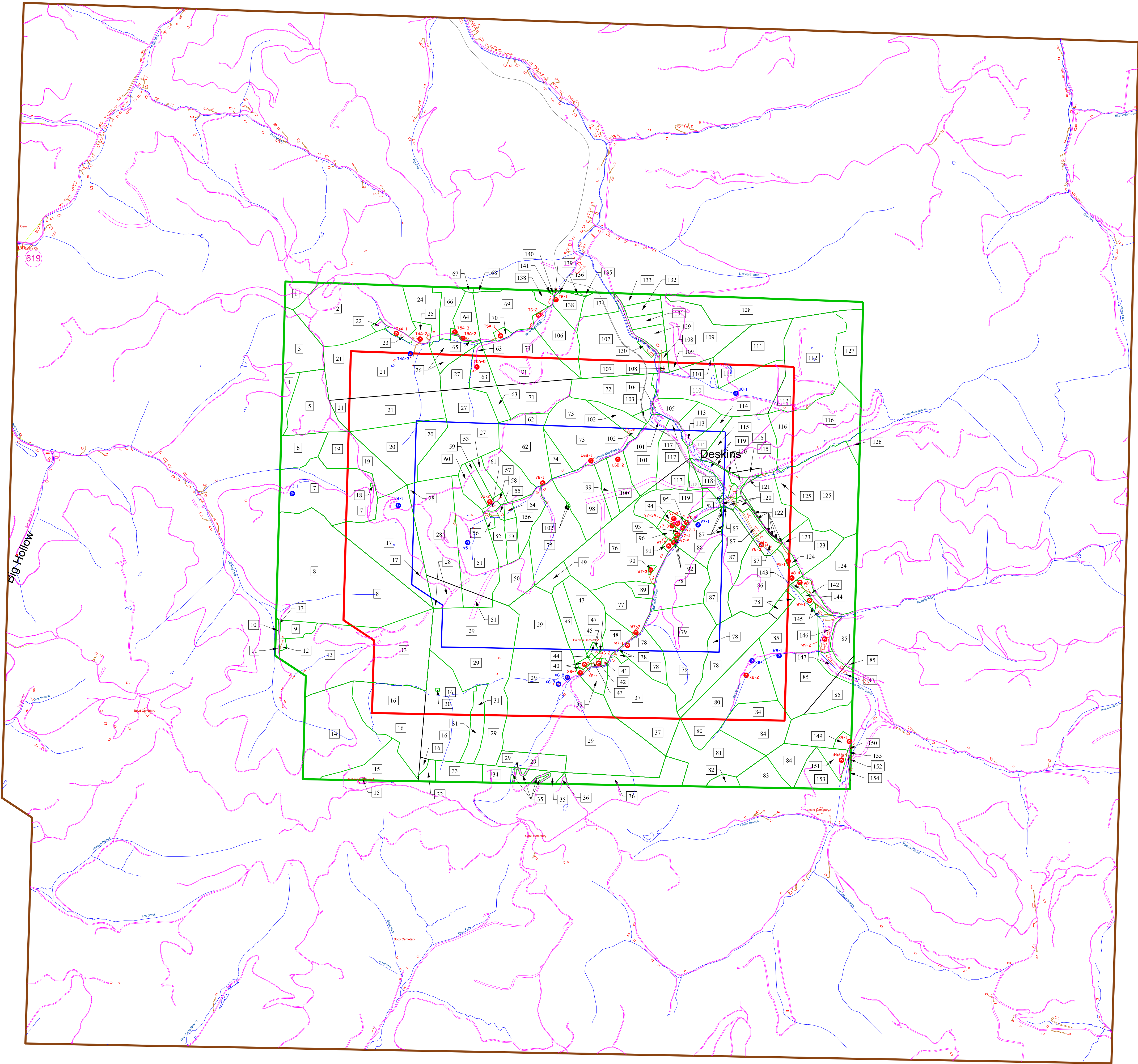
PREPARED BY:

DATE: JANUARY 28, 2020



|    | DOMESTIC WATER SUPPLY WELLS & SPRINGS |                  |          |                        |            |                |
|----|---------------------------------------|------------------|----------|------------------------|------------|----------------|
|    | WELL ID                               | WELL/SPRING      | TRACT ID | OWNER                  | DEPTH (FT) | ELEVATION (FT) |
| 1  | T4A-1                                 | PUBLIC WATER     | 23       | KENNETH ELSWICK        |            |                |
| 2  | T4A-2                                 | PUBLIC WATER     | 25       | JASMINE CONNER         |            |                |
| 3  | T4A-3                                 | SPRING           | 21       | WILLIAM STILTNER       |            | 1529           |
| 4  | T5A-1                                 | WELL/NOT IN USE  | 70       | TEDDY SHORTRIDGE       | 40         |                |
| 5  | T5A-2                                 | WELL/NOT IN USE  | 64       | BETTY HURLEY STACY     | DNA        |                |
| 6  | T5A-3                                 | PUBLIC WATER     | 64       | BETTY HURLEY STACY     |            |                |
| 7  | T5A-5                                 | WELL/NOT IN USE  | 63       | JAMES SHORTRIDGE       | 216        |                |
| 8  | U8-1                                  | SPRING           | 110      | CNX GAS COMPANY        |            | 1731           |
| 9  | U6B-2                                 | WELL/NOT IN USE  | 100      | CAROL STURGILL         | 110        |                |
| 10 | V3-1                                  | SPRING           | 7        | PAUL COLEMAN           |            | 2041           |
| 11 | V4-1                                  | SPRING           | 17       | LEVISA COAL COMPANY    |            | 2321           |
| 12 | V5-1                                  | SPRING           | 51       | BILLIE CAMPBELL, ET UX |            | 1775           |
| 13 | V7-1                                  | SPRING           | 88       | CNX GAS COMPANY        |            | 1782           |
| 14 | V7-2                                  | PUBLIC WATER     | 94       | BETTY YATES            |            |                |
| 15 | V7-3                                  | WELL/NOT IN USE  | 94       | BETTY YATES            | DNA        |                |
| 16 | V7-3A                                 | PUBLIC WATER     | 94       | BETTY YATES            | DNA        |                |
| 17 | V7-4                                  | NO RESPONSE      | 93       | NAYDENE BAILEY, ET AL  |            |                |
| 18 | V7-5                                  | WELL/NOT IN USE  | 92       | MOLLY RAMEY            | DNA        |                |
| 19 | V7-6                                  | PUBLIC WATER     | 91       | DOUGLAS ADKINS         |            |                |
| 20 | V7-7                                  | WELL/NOT IN USE  | 94       | BETTY YATES            | DNA        |                |
| 21 | V7-8                                  | VACANT STRUCTURE | 95       | IDA TILLER             |            |                |
| 22 | V7-9                                  | VACANT STRUCTURE | 92       | MOLLY RAMEY            |            |                |

|                                                | WELL ID | WELL/SPRING     | TRACT ID | OWNER               | DEPTH (FT) | ELEVATION (FT) |
|------------------------------------------------|---------|-----------------|----------|---------------------|------------|----------------|
| 23                                             | V8-1    | 3 WELLS/SEALED  | 124      | THERESA BRENT       | DNA        |                |
| 24                                             | V8-3    | PUBLIC WATER    | 87       | CNX GAS COMPANY     |            |                |
| 25                                             | W8-1    | SPRING          | 85       | COUNTY OF BUCHANAN  |            | 1680           |
| 26                                             | W8-2    | PUBLIC WATER    | 142,143  | JANET BROWN         |            |                |
| 27                                             | W8-4    | MONITORING WELL | 86       | CNX GAS COMPANY     | DNA        |                |
| 28                                             | X6-2    | WELL/NOT IN USE | 42       | ALVIN COX           | DNA        |                |
| 29                                             | X6-4    | PUBLIC WATER    | 40       | GREGORY JACKSON     |            |                |
| 30                                             | X6-7    | WELL/NOT IN USE | 46       | ALVIN COX           | DNA        |                |
| 31                                             | X6-8    | SPRING          | 29       | GREGORY COOK        |            |                |
| 32                                             | X6-9    | SPRING          | 29       | GREGORY COOK        |            |                |
| 33                                             | X8-1    | SPRING          | 80       | CNX GAS COMPANY     |            | 1798           |
| 34                                             | X8-2    | PUBLIC WATER    | 80       | CNX GAS COMPANY     |            |                |
| 35                                             | X9-1    | PUBLIC WATER    | 149      | EARL COOK           |            |                |
| 36                                             | X9-3    | PUBLIC WATER    | 151      | CK PERKINS          |            |                |
| DATA PROVIDED BY VIRGINIA DEPARTMENT OF HEALTH |         |                 |          |                     |            |                |
| 37                                             | V5-2    | WELL            | 59       | GERALD KINSER       | DNA        |                |
| 38                                             | T6-1    | WELL            | 138      | RAY BREEDING        | DNA        |                |
| 39                                             | T6-2    | WELL            | 106      | JACK SNYDER         | DNA        |                |
| 40                                             | U6B-1   | WELL            | 73       | ERNEST CHURCH       | DNA        |                |
| 41                                             | V6-1    | WELL            | 62       | CNX GAS COMPANY     | DNA        |                |
| 43                                             | W7-1    | WELL            | 78       | BOBBY JACKSON       | DNA        |                |
| 44                                             | W7-2    | WELL            | 77       | LAWRENCE JACKSON    | DNA        |                |
| 45                                             | W7-3    | WELL            | 90       | TOLBERT ADKINS      | DNA        |                |
| 42                                             | W9-1    | WELL            | 144      | WILLIE RIFE         | DNA        |                |
| 46                                             | W9-2    | WELL            | 146      | BUCH COUNTY HOUSING | DNA        |                |



LEGEND

- VP-5 SEALED GOB BOUNDARY
- 1/4 MILE RADIUS
- 1/2 MILE RADIUS
- 1 MILE RADIUS
- WATER WELL
- SPRING



U7  
AREA OF REVIEW  
MAP 3 OF 3

PREPARED BY:  
DATE: JANUARY 10, 2020

SCALE:  
1" = 1000'



