

west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Monday, May 3, 2021 WELL WORK PLUGGING PERMIT Vertical Plugging

COLUMBIA GAS TRANSMISSION, LLC STORAGE TECHNICAL SERVICES - 6TH FLOOR 1700 MACCORKLE AVE. SE. CHARLESTON, WV 25314

Re: Permit approval for 1852 47-051-00264-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

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

Operator's Well Number: 1852 Farm Name: MATHEWS, G. U.S. WELL NUMBER: 47-051-00264-00-00 Vertical Plugging Date Issued: 5/3/2021

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. <u>Failure to adhere to the specified permit</u> conditions may result in enforcement action.

CONDITIONS

- 1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 3. Well work activities shall not constitute a hazard to the safety of persons.

| WW-41 Rev. | B 2/01 | 470510026 4P 1) Date January 6 2) Operator's Well No. Victory B 1852 3) API Well No. <u>47-051</u> - 00264-00-00 |
|---------------|--|---|
| | DEPARTMENT OF ENV | WEST VIRGINIA TRONMENTAL PROTECTION F OIL AND GAS |
| | APPLICATION FOR A PE | RMIT TO PLUG AND ABANDON |
| 4) | (If "Gas, Production or U | <pre>id injection/ Waste disposal/ Inderground storage X) Deep/ Shallow X Watershed Ben Run - A Tributary of Fish Creek</pre> |
| 5) | Location: Elevation 1472.3 District Liberty | County Marshall Quadrangle Cameron, WV |
| 6) | Well Operator Address Columbia Gas Transmission, LLC 1700 MacCorkle Avenue S.E., P.O. Box 127 Charleston, WV 25325 | |
| 8) | Oil and Gas Inspector to be notified | |
| | Name_James Nicholson Address P.O. Box 44 | |
| | Moundsville, WV 26041 | |

10) Work Order: The work order for the manner of plugging this well is as follows: **Refer to enclosed**:

1) Well job plan.

2) Prior to P&A wellbore schematic.

3) Proposed P&A wellbore schematic.

RECEIVED Office of Oil and Gas

JAN 2 1 2021

WV Department of Environmental Protection

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

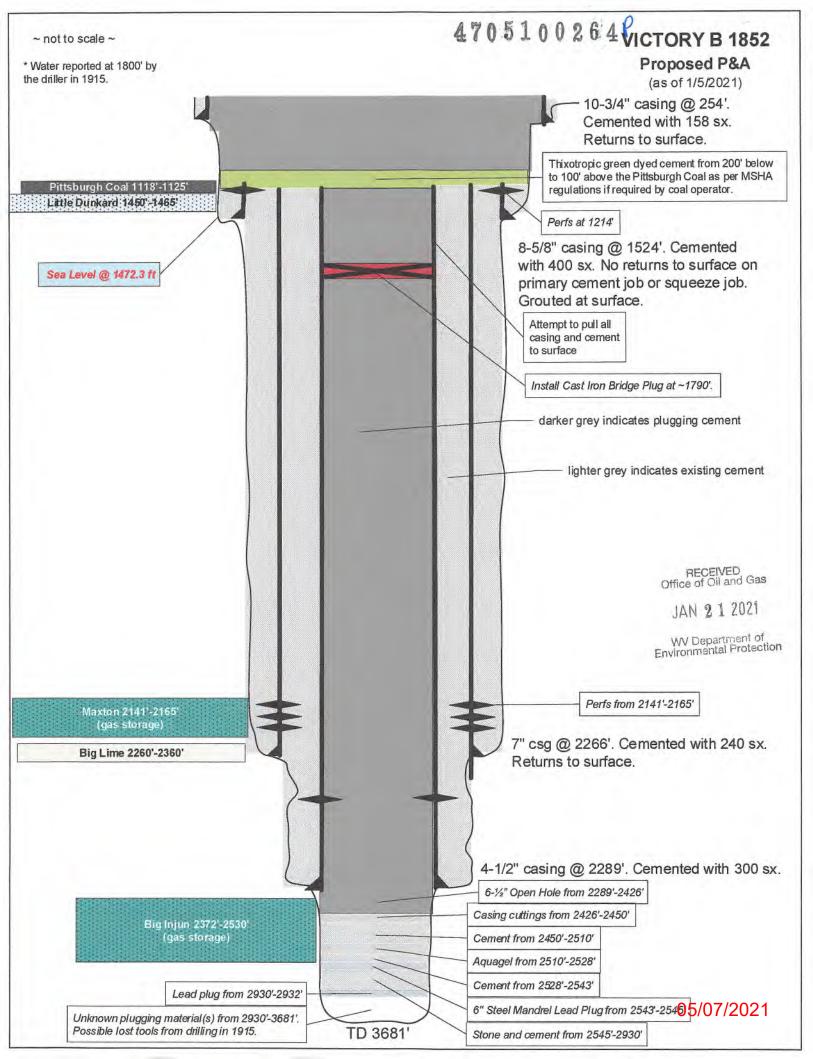
Work order approved by inspector Barry Stollings

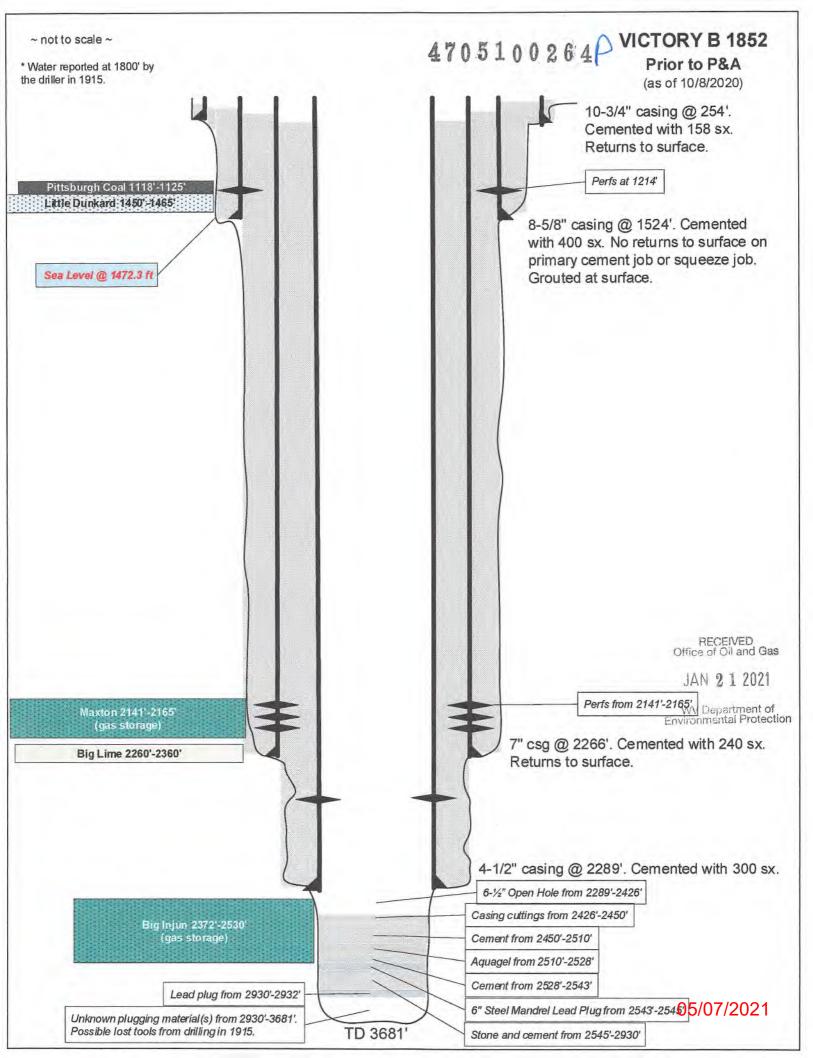
Date 1-12-21



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| Liberty | BHL (Lat/Long): | 39.796110 -80. PROCEDU | 55695 | CNTY: | Marsha | 11 | |
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05/07/2021





STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

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FORM OG-8

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| No.E 1/10/62 3/5/62 2/26 n.1 SIZE FROM-TO UNET) 0.70 0.77 | 1.1.1 | TOR | ADDRE | 55 | P. 0 | . Bo | x # | 156 | | 12 | | | | | | | | 1 |
| HOLE BT GAUGE (incred) 1.2 ^H 10 ^H 6 ^H 6 ^H 1 ^H SIZE FRANCE 10:271/H 0:52 (26) 10:22 (26) 10:22 (26) CANNO SIZE (FRANCE) 10:271/H 0:52 (26) 12:26 (26) 12:26 (26) CANNO SIZE (FRANCE) H J J J J TUBING TYPE Short Short Short Short Short SIZE FRANCE H J J J J J GRANE H J J J J J J MOLOF SANCE Short Shor Shor Short | | FIRSTRIG | COMMENC | CED (DATE) | DRILI | Came | OMPL | West | (DATE) | COMP | LETE | Type D. TOT | AL DEPTH | DATE | urchase | D FOR | WELL NO | |
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| TUBILS STREE GROOM DATE SHOTT | | | | 10-3/ | | | 8-50 | 811 | | 7" | | 1 | -1/2" | | | | | 3 |
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| OPEN Maxton,Big From to Orifice Bl/10 W. M.C.F./DAY M.C.F./DAY FLOW 2 7 62 Ini.& Lower From to Orifice Bl/10 W. 1" 71.3 7 3 2 62 Ini.& Lower From to Orifice 72/10 W. 1/h" 1.a 7 3 2 62 Ini. From to Orifice 72/10 W. 1/h" 1.a 7 DATE TAKEN FORMATION I 3 5 10 20 30 24 HR. 48 HR. 72 HR. MAX.PRESS. TIME WELLMEAD FORMATION I 3 5 62 | Ì | | 1 | | | | | 78.c | | | | 8 | | | | | | - UAIN |
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| 3 2 62 Big: Ini. From to Orifice 72/10 N. 1/h" h.7 2 WELLHEAD DATE TAKEN FORMATION 1 3 5 10 20 30 24 HR. 48 HR. 72 HR. MAX.PRESS. TIME PRESSURE 3 5 62 1 1 3 5 10 20 30 24 HR. 48 HR. 72 HR. MAX.PRESS. TIME PRESSURE 3 5 62 1 1 1 3 5 10 20 30 24 HR. 48 HR. 72 HR. MAX.PRESS. TIME PRESSURE 1 | | 2 7 | 62 Ini. | & Lower | | | | | | Orif | ice | 81 | /10 W. | 7.11 | 7 | 1.3 | 7 | 1 |
| DATE TAKEN FORMATION MINUTE PRESSURE - PSIG WELLHEAD PRESSURE - PSIG WELLHEAD 3 5 62 30 24 HR. 48 HR. 72 HR. MAX.PRESS. TIME PRESSURE 3 5 62 585 585 585 585 MISC. DEPTH MEASUREMENT TAKEN FROM: DIST. TO GROUND ELEVATION 2 H. 11/79' MISC. Derick Floer Ground Other (Specify) 2 H. 11/79' MISC. Derick Floer Ground Other (Specify) 2 H. 11/79' Vise: No Schlumberger Well Survey Corp. Dist. TO GROUND ELEVATION * Note: Form 2D-17 "Well Fracture Report to be completed and attached, if applicable 2 B 162 * Note: Form 2510! to 2150! through 2" Tubing, Cut Window in 7" Csg. from 2073! to 2090' W/ Servco Section Mill & Undereamed a 11 ¹ / ₂ " hole from 2073! to 2079!3" W/Servco Hole Opener. Cut Window in 7" Casing from 1675' to 1685! W/Servco Section Mill. Run 1 ¹ / ₂ " Tubing to 2289! & Cemented, 21' of Casing Cuttings left in hole from 2150! to 21/26'. The 10", 8" & 7" Casings remain the same as was installed on W.0.1253-L-606-lie <td></td> <td>2 0 1</td> <td>52 Bi</td> <td>g Ini.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Out P</td> <td></td> <td></td> <td>- T- 1</td> <td>2/1.</td> <td></td> <td>100</td> <td>11:22</td> <td>- 1</td> | | 2 0 1 | 52 Bi | g Ini. | | | | | | Out P | | | - T- 1 | 2/1. | | 100 | 11:22 | - 1 |
| WELLHEAD I 3 5 10 20 30 24 HR. 43 HR. 72 HR. MAX_PRESS. TIME PRESSURE 3 5 62 585 585 585 585 MISC. DEPTH MEASUREMENT TAKEN FROM: DIST. TO GROUND ELEVATION 2 ft. 11/79' MISC. Depth MEASUREMENT TAKEN FROM: Dist. TO GROUND ELEVATION 2 ft. 11/79' MISC. Depth MEASUREMENT TAKEN FROM: Dist. TO GROUND ELEVATION 2 ft. 11/79' MISC. Depth MEASUREMENT TAKEN FROM: Dist. TO GROUND ELEVATION 2 ft. 11/79' MISC. Depth MEASUREMENT TAKEN FROM: Dist. TO GROUND ELEVATION 2 ft. 11/79' MISC. Depth MEASUREMENT TAKEN FROM: Dist. TO GROUND ELEVATION 2 ft. 11/79' MISC. Depth MEASUREMENT TAKEN FROM: Dist. To GROUND ELEVATION 2 ft. 11/79' MISC. Depth MEASUREMENT TAKEN FROM: Schumberger Well Survey Corp. PATE LEGGEP, 2 ft. MISC. Well Was leaking gas from deeper sands. Pulled 2539' of hg." Tubing, Cemented back From 2510' to 2090' W/ Serveo Section Mill & Undereamed a 11g." hole from 2073' to 2079'8" W/Serveo Hol | | | | | Fror | _ | | | - PS | | ICe | 1 10 | | | | | 2 | - 1 |
| PRESSURE 3 5 62 585 TESTS DEPTH MEASUREMENT TAKEN FROM: DIST. TO GROUND ELEVATION MISC DepTH MEASUREMENT TAKEN FROM: DIST. TO GROUND ELEVATION MISC DepTH MEASUREMENT TAKEN FROM: DIST. TO GROUND ELEVATION MISC DepTH MEASUREMENT TAKEN FROM: DIST. TO GROUND ELEVATION MISC DepTH MEASUREMENT TAKEN FROM: DIST. TO GROUND ELEVATION MISC DepTH MEASUREMENT TAKEN FROM: DIST. TO GROUND ELEVATION MISC DepTH MEASUREMENT TAKEN FROM: DIST. TO GROUND ELEVATION MISC LOGGED Schlumberger Well Survey Corp. 2 ft. * Note: Form PD-17 "Well Fracture Report" to be completed and attacked. # applicable 2 ft. 162 Well MAS leaking gas from deeper sands. Pulled 2539' of htmas, Gemented back From 2510' to 200' N/ 200' N/ Serveo Section Mill & Undereamed a 112" hole from 2073' to 2079'8" W/Serveo Hole Opener. Cut Window in 7" Casing from 1675' to 1685' W/Serveo Section Mill. Run htm Tubing to 2289' & Cemented. 24' of Casing Cuttings left in hole from 2150' to 2126'. The 10", 8" & 7" Casings remain the same as was installed on W.0.1253-L-606-Li. | | DATE TAKE | - FURN | MATTON | 1 | 3 | 5 | 10 | 20 | 30 | 2 | 4 HR. | 48 HR. | 72 HR. | MAX.P | RESS. | TIME | |
| MISC. Dep TH MEASUREMENT TAKEN FROM: Dist. TO GROUND ELEVATION MISC. Dorrick Floor Ground Other (Specify) 2 % 11/79' MISC. Dorrick Floor Ground Other (Specify) 2 % 11/79' LOGGED LOGGED BY (COMPANY) DATE LOGGED, 10 % 11/79' Wisc. No Schlumberger Well Survey Corp. 10 % 10 % * Note: Form PD-17 "Well Fracture Report" to be completed and attacked. # applicable 2 8 162 2 8 162 * Note: Form PD-17 "Well Fracture Report" to be completed and attacked. # applicable 2 8 162 2 8 162 Well was leaking gas from deeper sands. Pulled 2539' of 11/2" Tubing, Cemented back From 2510' to 21:50' through 2" Tubing. Cut Window in 7" Case. from 2073' to 2090' N/ Serveo Section Mill & Undereamed a 112" hole from 2073' to 2079'8" W/Serveo Hole Opener. Cut Window in 7" Casing from 1675' to 1685' W/Serveo Section Mill. Run 112" Tubing to 2289' & Cemented. 21' of Casing Cuttings left in hole from 21:50' to 21:26'. The 10", 8" & 7" Casings remain the same as was installed on W.0.1253-L-606-11. | | 3 5 | 52 | | | | | | | | | 22 | 585 - | | | | | 1 |
| MISC. DEPTH MEASUREMENT TAKEN FROM: | | 11 | | | | | | 1 | | | T | | | | | | | |
| MISC. Image: Subscription of the subscri | t i | (I | | | Î | | | 1 | | 1 | | | | - | | • | | - |
| MISC. Image: Second Control of the second of the secon | | | | INT TAKE | N FR | DM: | | - | 1 | 1 | 1 | | DIST | TO GE | ROUND | ELEVA | TION | - |
| Image: Second point of the same as was installed on W.0.1253-L-606-h. Image: Second point Image: Second point </td <td>HISC.</td> <td></td> <td>Floor</td> <td></td> <td>ay In</td> <td></td> <td></td> <td>pecify)</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>2 ft.</td> <td>31.7</td> <td>91</td> <td>1</td> | HISC. | | Floor | | ay In | | | pecify) | | | - | | | | 2 ft. | 31.7 | 91 | 1 |
| * Note: Form PD-17 "Well Fracture Report" to be completed and attached. W applicable | | X Yes | the second second second | Sch | umb | erger | We. | 11 Su | rvey | Corp | | | | | 12 | C LO | IZ4 | 4 |
| from 2510! to 2h50! through 2" Tubing. Cut Window in 7" Csg. from 2073! to 2090! W/ Servco Section Mill & Undereamed a 112" hole from 2073! to 2079'8" W/Servco Hole Opener. Cut Window in 7" Casing from 1675! to 1685! W/Servco Section Mill. Run han Tubing to 2289! & Cemented. 24! of Casing Cuttings left in hole from 2450! to 2426!. The 10", 8" & 7" Casings remain the same as was installed on W.O.1253-L-606-4. | | * Note: For | m PD-17 ** | Well Fractur | Repo | n** to b | e com | pleted a | nd attac | bed. if | applic | sòle | | | | <u></u> | 102 | |
| from 2510! to 2h50! through 2" Tubing. Cut Window in 7" Csg. from 2073! to 2090! W/ Servco Section Mill & Undereamed a 112" hole from 2073! to 2079'8" W/Servco Hole Opener. Cut Window in 7" Casing from 1675! to 1685! W/Servco Section Mill. Run han Tubing to 2289! & Cemented. 24! of Casing Cuttings left in hole from 2450! to 2426!. The 10", 8" & 7" Casings remain the same as was installed on W.O.1253-L-606-4. | | Well we | as leak | ing gas | fro | n dee | per | sand | s. Pu | lled | 253 | 91 of | · 1금기 Tu | bing. | Cemen | ted ba | ack | 1 |
| REMARKS Servco Section Mill & Undereamed a 11 ¹ / ₂ " hole from 2073' to 2079'8" W/Servco Hole Opener. Cut Window in 7" Casing from 1675' to 1685' W/Servco Section Mill. Run 4 ¹ / ₂ " Tubing to 2289' & Cemented. 24' of Casing Cuttings left in hole from 2450' to 2426'. The 10", 8" & 7" Casings remain the same as was installed on W.0.1253-L-606-4. | | | | | | | | | | | | | | | | | | au tra |
| Tubing to 2289' & Cemented. 24' of Casing Cuttings left in hole from 2450' to 2426'. The 10", 8" & 7" Casings remain the same as was installed on W.C.1253-L-606-4. | 1 | | | | | | | | | | | | | | | | | |
| Opener. Cut Window in 7" Casing from 1675' to 1685' W/Servco Section Mill. Run 42" Tubing to 2289' & Cemented. 24' of Casing Cuttings left in hole from 2450' to 2426'. The 10", 8" & 7" Casings remain the same as was installed on W.O.1253-L-606-4. | REMARKS | Serveo | Section | n Mill & | Un | ierea | med | a 11 | a" ho | le fi | rom | 20731 | to 207 | 9181 1 | N/Serve | to Ho | le | |
| Tubing to 2289' & Cemented. 24' of Casing Cuttings left in hole from 2450' to 2426'. The 10", 8" & 7" Casings remain the same as was installed on W.C.1253-L-606-4. | - | Opener. | Cut W | indow in | 7" | Casi | ng i | from | 1675 | to : | 1685 | W/s | ervco S | ectio | n Mill. | . Run | 4章 | |
| The 10", 8" & 7" Casings remain the same as was installed on W.O.1253-L-606-L. | | | | | | | | -34-57 | | 10000 | | | | | | | 1 | 1 |
| | 1 | | | | | | | | | | | | | | | | c420' | N |
| stach additional sheets and forward to Production Dept. Pittsburgh General Office | tter aller | | | | | | | | | | | stall | ed on W | .0.12 | 53-I-60 | 06-4e | | y. |

Form PD-44b .

4.

COLUMBIA GAS SYSTEM - PITTSBURGH GROUP COMPANIES

WELL LOG SUMMARY

1 of 1 Sheets

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| | | Gay B. Hat | | COUNTY Marshell 47015100264 |
|---------------------------|-------|--------------|-----------|---|
| RIGIN OF FORMATION DEPTHS | | riller's Log | | REMARKS |
| FORMATION | ТОР | BOTTOM | THICKNESS | (Water, Gas, Oil encountered-Open Flows-Rock Pressure-etc.) |
| Pitteburgh Coal | 8111 | 1125 | 7 | |
| Burphy Sand | 1235 | 1255 | 20 | |
| Big Durkard | 1605 | 1627 | 22 | |
| lst Salt Sand | 1784 | 1825 | h | |
| 2nd Salt Sand | 1935 | 1960 | 25 | |
| Haxton Sand | 221-7 | 2165 | 24 | |
| Big IBJAK Line | 2255 | 2290 | 8 | |
| Big Injun | .2295 | 2530 | 235 | |
| Total Depth | | 21,26 | | |
| his Tubing set 8 2291' | | | | |
| • | | | . • | |
| | | | | Note: Hell was licking gas from deeper |
| | | | | RECEIVED sands, Pulled 2539* efficit Tubing, Office of Oil and |
| · | | | | Commented back from 2510 to 2150 W/2* JAN 2 1 20 |
| | 1 | 1 | 1 | Tubing, fat winder in 7 Onding from |
| | - | 1 | | WV Departmen 2073' to 2090' W/Servec Section Minvironmental Prot |
| | - | | 1 | and Underson a 113" Hole from 2073' to |
| | | | | 2079'8" W/Serveo Hole Opener. Cut |
| | | + | | Hindow in 7" Custag from 1675" to 1685" |
| | | | | H/Serves Section Mill. Run Lin Tubing |
| | | | | to 2289' & Cesented W/300 Bg. Commit, |
| | - | | + | |
| | | | | lh.57 per gal.good raturn of cement at |
| | | | · | surface, bin Tubing set on a Formation |
| | | | | Racker Shoe set at 2291*. 2h* of Casing |
| | | | | Cuttings left in hole from 2650 to 2620 |
| | | | | |
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| Division Record of | well No | 1852 | | n G.B. | Methows | | 1.1 | Farm | | | Acr | A | 10 |
|-----------------------|-----------------------|-------------|-----------------|---------------------|-----------|--------------------|-----------------------|---------------|-----------|-----------------------|-------------------|---|-------------|
| Cameron | | Field | Libert | | | ershall | 1 | Count | y Tea | \$ Va. | Sta | te | |
| Rig Comr | nenced | | 1 | 9, | | mpleted | | | | | 19 | | |
| -1947 - | Commenced | Becenber | 24, 1 | 9 53 | Co | mpleted | Oct | ober | 10. | | 19 5 | | |
| | r L.G.IS | | | | Ad | Idress C | amer | on, I | lest V | irgini | ž, | | |
| | | | r. Sdieoz | : Isiming | er, Homer | , Antil | | | | | | | |
| | | | | | | | | | | _ | | | |
| | | 1 | | CASING | AND TUBIN | | 1 | | - | - | - 1 | | - |
| 0.0120 | Conductor | 18" | 10** | 31/4" | q# | 6 5/8/ | 53 | /16″ | 4" | | 30 | - | |
| Used in Drig. | | | 10000 | Multiple | 125 124 | | - | | 5 1210 | | | | - |
| Left in well | | | 256* | 1535 | 2283* | SHOO | TING | RECO | 25391 | | _ | | 1 |
| | | | leasured | with the Type Ex | | | 1 | DEF | | 1 | Volume | 1 | Volume |
| dize | Depth Set | Type Packer | Date | | (0:051VP | Amount | 1 21 | 00 | Botte | m Be | fore Cu. Ft. | 1 | ter Cu. Ft. |
| = 7" | 2224 | Anchor | 10.26.5 | | | - | 21 | 4 | 2165 | 89 | 326 | 29.3 | 26 |
| _ | 1 | 1 | | Ve | DLUME AND | PRESSUR | KE | PRESS | URE IN | MIN. | 1 | 1 | 1 |
| Data | Reading in Inches | Ligaid | Size Orifice | Volume | | Sand | 1 | 5 | 10 | 80 60 | 24 Hour E. P. | Max. R. I | P. Hour |
| 0/26/54 | 14/10 | Nator | Ta | 29*326 | Big L | ijun | 0 | 5 1/1 | 2 | 100 | 380 | 500 | 432 |
| | 1 | 1 | | | Maxto | 22 | - | | | | 294 | 1 | 288. |
| TOTAL I | NITIAL OPEN | FLOW | | | 1 | | CI | JBIC F | EET PE | R 24 HO | URS | 1000 - 1000 | |
| | FORMATIO | N | TOP | BOTTOM | THICKNESS | | | | F | EMARKS | | | |
| [35 | rgh Coal | | 1100 | 1107 | 7 | | and the second | 10.1 2019 | | 2 | | | 3 |
| | nga Goul Inkard Su | nà | 1450 | 1465 | 15 | | | | | | nss fou 1g set | | |
| latten St | | 2143 | 2141 | 2193 | 19 | 1933-3 | 10 Cy | | unter a | nd sta | ng sec ce to t | the dem | th ab |
| sig inju | 101.01 | | 2295 | 2530 | 335 | | | | | | 69 65 6 592 85 | | 1 |
| | spth for | Strawe | 2528 | | 125 | | | - | | | p of Pl | | - |
| · Preser Di | Sim TAE | | Cyclu | | | | | | | ta 252 | | -Genes | |
| | | | | 1 | 1 | - | | | | | conont | ing th | e 10 |
| | | | | - | 1 | | | | | to sur | | | |
| | | | | 1.0 | 1 | | - | | | | en the | 10 3/ | Fu |
| iynesbur (| g Coal. | | 750 | 754 | | | | | | | a.8 5/8 | | |
| pletom | | | 1000 | 1007 | | - | | | | | a 400 m | | |
| tteburgi | 1 Coal | | 1100 | 1108 | 1 | cement | use | d bet | W0911 | the 10 | 3/4" a | nd 8 5 | /8* |
| | | | | | 1 | sater | in t | he e | ment | return | ed to s | urface | but |
| " Casing | set at 2 | 2671 | | | | 20 060 | ert, | bale | ince i | as fil | ted fro | m top | of |
| | | | | | | Casing | | | 1 AND 1 A | | | | |
| | | | | | 1.5.4 | | | | | | een the | | and |
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| | | | | | | 11 B | | and internet | Recor | | - 41 - 44- | 1.4: | |
| | | | | - | 1 | 14 x | | | _ | or set | | | |
| | | | | | | anchor | | | | and the | 1 | 4* | |
| | | | - | | | First P | | | | | 28"Sec | ond | |
| | | | - | | | Perfora | | _ | | | aberger | with (| 96 |
| | é se é | | | | | shots.T | - | | | | | | |
| | | | | | ~ | Maxton | Sand | - | | | | | |
| | | | | - | 1 | Open 21 some ge | | | | | | | _ |
| | | | | | | 294# in | and the second second | Sector States | | And the second second | | | |
| | | | 1 | 1 | 1 | | | | 200 | | | 2. S. | |

NOTE-The above blank must be filled out curefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand sud at what depth Oil, Gas or water was found, the quantity of same, the quality of the sand, and thickness of pay.



DEPARTMENT OF MINES OIL AND GAS DIVISION

. cameron

| | | RS LIGHT AND 1 | | Casing and | Used in Drilling | Left in Well | Packers | |
|---|----------------|-------------------------|--------------------|----------------------------|----------------------|-----------------|---|--|
| | | Bldg., Pgh., | | Tubing | Drilling | Weit | | 2 |
| | | A | cres_60 | Size | | | | |
| Location (waters). Well No | 1852 | F | Slev_1479! | 18 | | | Kind of Packer | ÷ |
| District Liber | | | rshall | 13 | | | Anchor h = 7 | - |
| | | fee by | | | 1524 | 2561 | Size of 4 x 7 | |
| | | Address | | 814 | 1524 | 15351 22831 | Depth set_2224 | |
| Mineral rights are | | Adamen | | 18% 7 ,第59月1181 4 | ~~~~~ | 25391 | Depta set | <u>+</u> |
| Drilling commence | | Address ber 24, 1953 | | | | - 6/57 | Perf. top | |
| Drilling commence Drilling completed | | er 10, 1954 | | 2 | | | Perf. bottom | 24 |
| Date Shot 10- | | n To | | Liners Used | | | Perf. top | £ |
| With | | | | | | | Perf. bottom | n an |
| | | in1 | | | | · | bil | . |
| | | in | | CASING CEMI | ENTED | SIZE | No. FtDet | e |
| Volume Rock Pressure | | | Cu. Ft. | | CARL COLOR | 750 | | |
| Oil | | | bbls., 1st 24 hrs. | | INCOUNTERED | | | 1.00 |
| Fresh water | | feet | | _1100 FRE | TINCH | | | - T.H. |
| Salt water | | feet | feet | FEE | T INCH | TES | FEET INCHE | ŝ |
| Formation | Color | Hard or Soft | Төр | Bottom | Oil, Gas or Water | Depth Found | Remarks | RECEIVED Office of Oil and |
| Pittsburg | h Coal | | 1100 | 1107 1 | In aleening | open | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1943 |
| Little Du | nkard Sand | 4 | 1450 | 1465 2 | 2530 to 2930 | 1.6" Le | ead Flug set at 20 | DAD JAN GILL |
| Maxton Sei Big Injun | | (I | 2141 | | | | | |
| | th for sto | trage | 2295 2528 | 2530 c | If 2543' Sec | .ond lead | 6" Plug set at 25 on top of Plug ma | Environmental Pro |
| 1 | | 1464 | L'AL | t | the total sta | drage dep | oth to 2528 | EL |
| | | (I | × × . | 1 | 158 sacks cer | ement was | used cementing th | 18 |
| Waynesburg | c Coal | 1 | 750 | 754 4 | 10 3/4 Casin | g, Good r | eturn to surface. 1 between the 10-3 | 5/1 |
| Mapletown | Coal | 6 1 | 1000 | 1007 c | casing and 8 | 3-5/8" No | Return. 8 5/8" ca | asi |
| Pittsburgh | n Coal | 6 | 1100 , | 1108 W | was perforate | ted at 121 | 14' and 400 more s | SEC |
| * | | 1. 01 | | | ement used a | tetween 1 | 10 3/4 and 8 5/8" ad to surface but | Va |
| 7" Casing | set at 22 | 67' | | c | cement, bala | ance was f | filled from top of | Ĕ |
| . 1 | | (2. CD 14) | allo anak | | casing to su | mface. | | 1324 |
| × • | | 1 1 | | s cement use o surface. | d between w | he 0 5/0- | ' and 7" casing. g | 200) |
| | | 1. 1 | | | | | | |
| | λ. | 1 | Packer Re | | | and in | | 傳 |
| | | 1 1 | | nder packer | ker set at 2 | 304: | | a. |
| | | 6 11 | First Per | rforated joj | int at 2528' | Second P | Perforated Joint a | at |
| | | 1 | 2259 · | - man shot 1 | - Cabulabor | Landth | 96 shots. Top of | |
| | | 1 | 2141. Bo | ttom 2165' 1 | in the Maxton | ger with sand | 96 shors, top or | Sh |
| 1 | | 1 | Open flow | w was not in | ncreased afte | er shooti | ng, some gas came | in |
| | 53456 | | later wit Sand | h a rock pr | essure of 20 | 9# in 28 | 8 Hours from Maxt | то. |
| A | ALL AS | 83 | Dalla | | 1. | | | |
| (S) | JAN 195 | 101 | 1 | | | | 4.4 | |
| 120 | ECOPENS | 517 | 1 | / ite | 1 | | - Alter | |
| | WEST MERIC | | | / | A | 1.1.1 | | |
| 183 | A CALCERT | 12:00 | | | | | - · · · · · · · · · · · · · · · · · · · | |
| 15787 | UEPT. OF MINIS | 10. 5 | | | | 4 | | |
| 1912 | Contractor | 5 6 | | × | | 1 | | |
| 19050 | UEPT. OF MINUS | 3 6 | | | | | | |

(Over)

| Division Record of a | vell No. 1 | 852 | or | Gay | B. Mather | WS. | | Farm | | | | Acre | es | | |
|-------------------------|------------------------------|-------------|---------|---------------|-----------|-----------|------|--------|----------|---|----------------|-----------------|------------|---|--------|
| Cameron | | Field | Liber | iy | District | Marshall | | Count | У | H. 1 | 12.4 | Stat | e | | |
| tig Comm | enced | May 6. | 19 | 15, | Co | mpleted | | 3 | tay 19 | | 19 | 53 | | | è i |
| Drilling Co | mmenced | Hay | 21, 19 | 15, | Co | mpleted | | | Sept 1 | | 19 | 53 | | | - |
| Contractor | | adon & Fle | | | | idress | | | - | | | | | | - |
| Driller's N | ame S | . E. Stone | Braker | Gran | t Richer | de | - | | | | | _ | | | |
| | ng at an a state of the m | | | CASING | AND TUBIN | IG RECORT | 2 | | | | | | | | |
| | Conductor | 13" | 10" | 81/4# | 7" | 6 5/8" | | /16# | 4# | T | 8" | T | - | | |
| Jsed in Drig. | | | | | | | - | | | 1 | - | | | | |
| eft in well | | | | | | | | | 1 | | | | | 1 | - |
| PACK | ER RECOR | D | | ¥ | | SHOOT | TING | RECO | DRD | | | - | | | - |
| ize | Depth Set | Type Packer | Date | Type Ex | plosive | Amount | - | DEP | | | Volu Before | | 1 | clume er Cu. Ft. | |
| | 2 | | - Q | - | | | To | 2 | Botto | | Belore | JU. FL. | AIP | er Cu. FL | - |
| | | | | VO | LUME AND | PRESSURI | E | | | | | | | | |
| ata | Reading | Liquid | Size | Volume | | Sand | | PRESS | URE IN 1 | | | 4 Hour R. P. | Max. R. P. | Hours | |
| | in Inches | | Orifice | 204/13 | | | 1 | | 10 | | | at Fr | | | - |
| | | | | | | | | | | - | 1 | | - | | |
| TOTAL IN | TIAL OPEN | FLOW | | | | | CI | JBIC F | EET PE | R 24 H | IOUR | 5 | | | |
| | FORMATIO | N | TOP | BOTTOM | THICKNESS | | | | | EMARK | u. | | | | 1 |
| - 2 | FORMATIO | | 101 | BOITOM | Thickness | | | | 15 | 1941 / 19 19 19 19 19 19 19 19 19 19 19 19 19 | | | | | |
| Go | schotor | | 14 | - | | - | | | | | | | | | |
| 10 | " Casing | | 252 | | - | | | | | | | | _ | | - |
| Ne | ynesburg | the Coal | 750 | 754 | | | | | | | | - | | | |
| Ma | pletern | Coal | 1000 | 1007 | | | _ | | | | | | | Office | CEIV |
| | ttsburgh | 1 | 1100 | 1108 | - | | | | | | | | | Office | of Oil |
| | | ukard Sand | 1450 | 1465 | | | _ | | | | | | | the second se | 1 61 |
| | Casing | | 1515 | - | | | | | | | | | | JA | - |
| | <u>e Chakar</u> | d Sani | 1620 | .1655 | | | - | | | | | | | JA | I Depa |
| | al | | 1705 | 1710 | | - | | - | | | | - | | Enviro | - |
| | and Same | @ 30001 | 1768 | 1825 | | Little | Gas | and | Water | | | | | | - |
| | 1t Sand | a tonn. | 1900 | 1915 | 1 | | - | | | | | | | | - |
| | ad . | - | 1925 | 1950 | 1 | 1 | | | | | - | - | | | ÷ |
| | जात. भारते | | 2010 | 2050 211.0 | | - | | | | | | | | | |
| | uxim Sami | 1 | 2145 | 2210 | 1 | | | | | - | | | | - | • |
| | 5/8" Cas | | 2295 | Carlos dista | | | | | | | | | | | - |
| 10.10.00 | g Line | | 2265 | 2287 | 1 | | - | | | | | | | | |
| | g Injun | Sand | 2287 | 2530 | | | | | | | | | - | | |
| | auw Sand | | 2538 | 2550 | | 1 | | | | _ | | | | | |
| Th | irty Foo | | 2906 | 2950 | 1 | | | | | | | _ | | | 2 |
| | fty Foot | | 3112 | 3240 | | 1 | | | _ | | | | | | |
| | rdon Str | | 31.55 | 3166 | | | | | _ | | | | | | - |
| | rdon Sar | | 3180 | 3208 | | | | | | | | | | | |
| - | orth Sar | | 324 | 3254 | | | | | | | | | | | |
| | fth Sand | | 3300 | 3306 | - | | | | | | | | | | |
| To | tal Dept | h | 3681 | | | | - | | | - | | - | | | |
| | | | | | | | | | | | | | | | 2 |

NOTE-The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with the line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or water was found, the quantity of same, the quality of the sand, and thickness of pay.

•

| | well No. 1 | 852 | | on Gay | ð, m | thes | \$ | | Farm | | | - | Acr | es | | _ |
|--|--|--|---|---|----------------|-----------------------|--------------------|---------------------|--------------|---------------|----------------|---------------|----------------------|------------|-----------------------------------|--|
| | | Field | | | Town Dista | nship rict | | | Count | y | | · | Stat | æ | | _ |
| Rig Comm | enced | | | 19 , | | . Co | mpleted | | | | | 1 | 9 | | | - |
| | ommenced | | "• | <u>19</u> , | | | mpleted | | | | | 1 | 9 | | | - |
| Contracto Driller's N | | | | | | Ac | <u>idress</u> | | | | | | | | | - |
| Dimer 8 1 | | · · · | | | | | i.i., | | | | | | | | | - |
| • | | • | | CASIN | G AND | TUBI | G RECO | RD | | | | | | | | - |
| | Conductor | 18″ | 10″ | 8 1/4" | 7# | | 65/8" | 5 8, | /16* | 4 | * | 8^ | | | | - |
| Used in Drig. | | | | | | | | | | ļ | | | | | | - |
| Left in well | | | | | <u> </u> | | • | | | | | | | | | - |
| PAC | ER RECOR | D | | | | | SHOC | T | | | | | | | | - |
| Size | Depth Set | Type Packer | Date | Type I | Explosive | | Amount | To | | PTH Bo | ttom | | olume ire Cu. Ft. | | olume er Cu. Ft. | - |
| · · · · · · · · · · · · · · · · · · · | <u> </u> | | | | | | | | | | | | | | | - . |
| | <u> </u> | | | · · · · | | <u></u> | PRESSU | RE T | PRES | URE I | N MIN | | | + | 1 | - |
| Date · | Reading in Inches | Liquid | Size Orifice | Volum | ie - | <u>,</u> | Sand , | 1 | 5 | 10 | 80 | 60 | 24 Hour R. P. | Max. R. P. | Hours | _ |
| • . | | | | | | | | | | | | | | | | - |
| | | | | 1 | | | | | | | <u> </u> | | | | | - |
| TOTAL IN | ITIAL OPEN | FLOW | | | | | - | CL | JBIC F | EET P | PER 24 | 4 HOU | RS | | | |
| | FORMATION | 1 | TOP | BOTTON | a THIO | CKNESS | | | | ×.1 | REMA | RRS | | | | |
| | • | | | | | | | | | | | | | | | - |
| | ing pulle | d bet 55 | | | | <u>hich</u> | an lei | | | | | | | | | - |
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| ospe. 1 | 4. * Wal | l) plugge | d in dig | ; kajum s | azd w | ith 3 | - 6-5/8 |)" dr | y ho | ie p. | LASS. | 4 6 2 | 272. | | | - |
| | i. Tiekter | | | | ard v | ith 3 | - 6-5/C |) ⁸ èr | y ho | le p. | lags | 86 2j | 272. | | | - |
| Pitass | | Wright & | Frank A | land. | | | ė | | | | | | | | | CEIVED |
| Vitasso Lovenbo | : Takter | Gright & | Frank 5 d in 8° | ienc. with 8" | dry h | ale 1 | | <u>B1g</u> | | | | | | | Office | CEIVED of Oil and C |
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31-1-12 4705100264P The Mheeling Hat GAROMPANKS House Final Report of Material charged to and used in Drilling and Equipping of sense Well No. 1852 in must no Well No. Valles Gameron District County 191 5 Service of invoWe have this day finished work on Well Note 201 5 51 on the mori tost acre farm of G. J. Mathews situate in Liberty District, Township, mettarshaine "i missade to ecounty, State of _//. for mote an amore an as shown by sketch on other side, and have left in and at said well the following material, which Reservation around Emildings. has been charged to said well on District Transfers. SPREIAL CONSTRUCTORS :-550 ft 678 casing 75-76 unte lune Rop 3-678 Wood Dry Hole Phugs 1-526 374 x 3 2-7/ more lime Robe Sochets 1-63" Trip spear 1-6% Mandrill 1-10" 1-67 Gomb socket 4 1×46' 5tems. t orilling Jars 1- Mill Office of Oil and Gas 1-34× 441 Stem JAN 21 2021 List above ONLY material left in and at the well which is being used in the operation of WV Department of Environmental Protection said well, including Casing, Tubing, Wire Lines, Rods, Pumping Outfits, Packers, Tanks, Boilers, Engines, Casing heads, and all well connections, but not including Drips or Branch Lines. Well produces Mathing from all_ Depth of Well 36.8. Feet. __ Sand, Signed: Signed: Foreman. Dist. Supt. Checked by Field Clerk. Checked by Inventory Clerk. 19: Dist. Sop. . Phasingh. Fo. them Haw as soon to Not a class that superinge of bestweithe when one of .m. and must he completed et neuternition d 1917 elide on forgeorie and server. Bhen evention on publican indirection into the server double ebie sere at the two "blief is dependent laborer treast de filie" and the erse side A. 16 8 05/07/2021 of this sheet and forwarded to Pittsburgh Collea. Receip two capy of this order for your illes. - State

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Office of Oil and Gas Office of Oil and Gas JAN 2 1 2021 WW Department Office Environmental Protection

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17051002648 Form 109 1m-12-,13 75476 mallaline Jo Company 248 Fourth Ave., Pittsburgh, Penns Diutsion (60 Farm Acres Record of Well No. an Field Piberts askell County 90 1a State May 6 may 191 5 Completed **Rig Commenced** 191.5. 191 0 Completed **Drilling** Commenced 1914 Cost per foot Contractor Address 201 94 2 Drillers' Names De C. Stockedan, Bra t. Ro alier, 6 BOILER ENGINE RIG No. Name of Maker Height Name of Builder No. Name of Maker H. P. H. P. New 821 N.n. Yost. 100 CONDUCTOR AND CASING USED IN DRILLING 10 Inch 844 Inch 8% inch 6% Inch 5% Inch 6 3-16 Inch Conductor 13 Inch 1575 2295 252 CONDUCTOR AND CASING LEFT IN WELL Boll inch Gil Inch 5% Inch G d 16 inch 4 insh Conductor 10 Inch 6 inch 3 inch 53 OIL WELL GAS WELL Size of Torpedo Production When Shot Tubing Rods Tanks Size of Packer Depth Set Packed with Ist Minute's Pressure **Rock Pressure** FORMATION Bettom Thickness Top Mayneshing Con 735 750 4 sas and water 1800 Little gas the 1000 2 Cm 1007 2/10 itshur 100 2192 1108 15 \$50 Sept 14-1915 Well Pluged in 678 1465 5 1853 6.23 3 5 Hale in Biginsunsand at 2315 ft 1 5 with 3 698 Dry Hole Plugs. mark 2011/103 1710 37 Nov. 10 - Net Pluged with 1-8" Hole PECEIVED Office of Oil and Gas 176 20 900 15 in Big Dunkard sand at 1640 ft. 192.57950 2.5 Nor 11-1915. Pluged in 10" Hole JAN 2 1 2021 2010 2050 40 with sec Dry Hole at 1073 ft, · Hard 80 with 55, North Dumharn, IR. L. Reid. WN Department of 65 Samuel Graig, Wm. Slamaker Environmental Protection 2060 21 40 Hund NA 2145 2210 25 Harvey Risor John Wassum e Lyp D de 2262 2287 2287 43 Materia, west in word act holin 2530 2 2538 2550 12 From Broden + Fletcher 2986 2950 94 2- 43/8× 16 / t stems. 3/12 3/ 80 28 2- Set Drilling Jars 3155 3166 1- " hong Stroke Jors 11 3180 3208 28 1- 18" Wire Ime Robe socket 3288 3252 20 From J.J. Davin 6 1-63" Trip spear 3300 3906 1 6% Mondril 368 loter 678 Comp Socket. Mill From Gampony Tools. 1 8ub 31/4 × 3" 1- set hong stroke Jars. 1- 34 x 44 ft stem 1- 18" wire line Rope Sochet, My Cuullugs Superintendent of the The above

the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and 5/07/2021 at what depth Oil, Gas or Water was found, the quantity of same, the quality of the sand, and thickness of pay.

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NOTE-The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarky" must be given by their proper name, with steel line measurements, and under the head of "Remarky" must be given by their proper name, with steel line measurements, and under the head of "Remarky" must be given by their proper name, the quality of the sand, and thickness of pay.

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WW-4A Revised 6-07 1) Date: 1/6/2021 2) Operator's Well Number Victory B 1852

3) API Well No.: 47 -

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

| 4) | | ner(s) to be served: 5) (a) Big Bun Christian Church (Disciples of Christ) and Cemerary | Coal Operator Name | Martay Energy Corporation, American Consolidated Natural Resources, Inc. |
|----|---------------------|--|-----------------------|--|
| | (a) Name Address | 2229 Reid Ridge Road | Address | 46226 National Road |
| | | Cameron, WV 26033 | | St. Clairsville, OH 43950 |
| | (b) Name | | (b) Coal Owi | ner(s) with Declaration |
| | Address | | Name | Marray Energy Corporation, American Consolidated Natural Resources, Inc. |
| | | | Address | 46226 National Road |
| | | | | St. Clairsville, OH 43950 |
| | (c) Name | | Name | |
| | Address | | Address | |
| 6) | Inspector | James Nicholson | (c) Coal Less | ee with Declaration |
| | Address | P.O. Box 44 | Name | Not inased. |
| | | Moundsville, WV 26041 | Address | |
| | Telephone | 304-552-3874 | | |
| | | | | |

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

(1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and

(2) The plat (surveyor's map) showing the well location on Form WW-6.

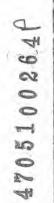
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas. West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

| INSTRUCT OF | Well Operator By: | Columbia Gas Transmission, LLC Brad Nelson Back The |
|--|----------------------|--|
| Commonwealth of Phanny Instala - Notary Seal Elaine Rybrid: Hotary Public | Its: | Storage Engineer |
| Altecheny County | Address | 455 Racetrack Road |
| My commission expines May 11, 2022 Commission number 1332803 | 2022 | Washington, PA 15301 |
| Commission/Administration | Telephone | 724-250-0610 |
| Subscribed and sworn before me thi | s 6 de | vof January 2021 Office of Oil and Case |
| | rthi Ele | ine Antoski Notary Public |

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal 5/07/2021 information, please contact DEP's Chief Privacy Officer at depprivacyofficer wy gov.



| 780 | U.S. Postal Service [™] CERTIFIED MAIL [®] REC Domestic Mail Only | EIPT |
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| | For delivery information, visit our website | at www.usps.com®. |
| 157 LOOD 090E | Certified Mail Fee \$3.55 \$ \$7.95 Extra Services & Fees (check box, add fee as appropriate) Return Receipt (hardcopy) \$ \$0.00 Return Receipt (electronic) \$ \$0.00 Certified Mail Restricted Delivery \$ \$0.00 Adult Signature Required \$ \$0.00 Adult Signature Restricted Delivery \$ Postage \$2.00 \$ Total Postage and \$ 0.00 \$ | Postmark Postmark Here 01/08/2021 |
| 9105 | Sent To Big Run Christian Church an Street and Apt. No., or PO Box No. ZZZ9 Reid Ridge Rocal City, State, ZIP+4® Cameran, WY Z6033 PS Form 3800, April 2015 PSN 7530-02-000-9047 | M (cmetery See Reverse for Instructions |

4705100264P



P.O. Box 1273 Charleston, WV 25325

January 8, 2021

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Big Run Christian Church (Disciples of Christ) and Cemetery 2229 Reid Ridge Road Cameron, WV 26033

Columbia Gas Transmission, LLC is applying for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to plug and abandon an existing underground natural gas storage well located on property owned by you. As reference, the field and well ID is Victory B 1852 (API 47– 051–00264).

As part of the well permitting process, Columbia, the well operator, is required to provide a copy of all applicable permit application forms for your review and record retention.

If you have questions, feel free to call.

Regards,

But net

Brad Nelson Storage Engineer TC Energy (Columbia Gas Transmission, LLC) brad_nelson@tcenergy.com off: 724-223-2753 cell: 724-250-0610

> RECEIVED Office of Oil and Gas

JAN 2 1 2021

WV Department of Environmental Protection

| SENDER: COMPLETE THIS SECTION | COMPLETE THIS SECTION ON DELIVERY | | | |
|--|--|--|--|--|
| Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: Article Addressed to: Big Run Christian Church and Condexy 2229 Reid Riote Rood Comeron, WV 26033 | A. Signature X B. Received by (Printed Name) Debbre Elson D. Is delivery address different from If YES, enter delivery address | C. Date of Delivery I-12-2/ m item 1? 	Ves | | |
| 9590 9402 4965 9063 0555 63 - Hole Number (Transfer from service label) 7018 3090 0001 7217 978 | 3. Service Type Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail Restricted Delivery Collect on Delivery Collect on Delivery Restricted Delivery Mail Restricted Delivery D) | Priority Mail Express® Registered MailTM Registered Mail Restricted Delivery Return Receipt for Merchandise Signature ConfirmationTM Signature Confirmation Restricted Delivery | | |
| PS Form 3811, July 2015 PSN 7530-02-000-9053 | <u>)</u> | Domestic Return Re | | |

| E77B | U.S. Postal Service [™] CERTIFIED MAIL [®] RECEIPT Domestic Mail Only |
|--------|--|
| | For delivery information, visit our website at www.usps.com®. Sount Clairsville, OH 43950 |
| 217 | Certified Mail Fee #7 FF |
| 5 | \$ \$7.25 |
| 1000 0 | Extra Services & Fees (check box, add fee as appropriate) 1.7 Return Receipt (hardcopy) \$ Return Receipt (electronic) \$ Certified Mail Restricted Delivery \$ Adult Signature Required \$ Adult Signature Restricted Delivery \$ |
| 304 | Postage \$2.60 \$ Total Postage and \$9.00 Total Postage and \$9.00 |
| 9T02 | Sent To Sent To Murray Energy Corporation (American Carl. Antrod Res.) Street and Apt. No., or PO Box No. 46 ZZ6 National Read City, State, ZIP+4® State, ZIP+4 State, ZIP+4 Sta |

4705100264 Columbia Pipeline Group 1700 MacCorkle Ave. SE P.O. Box 1273

Charleston, WV 25325

a-144

January 8, 2021

/

Murray Energy Corporation American Consolidated Natural Resources, Inc. Attn: Mason Smith 46226 National Road St. Clairsville, OH 43950

Columbia Gas Transmission, an underground natural gas storage operator, is planning to permanently plug and abandon a storage well (API # 47-051-00264-00-00) in Marshall County, WV. Records indicate that Murray Energy (American Consolidated Natural Resources, Inc.) owns the coal on subject property.

To comply with WV DEP Code, Columbia is required to provide the coal owner the following documents as notification and for processing.

- WV DEP form WW-4A (Notice of Application to Plug and Abandon a Well)
- WV DEP form WW-4B (Application for a Permit to Plug and Abandon)
- Copy of survey plat
- Proposed method of plugging
- Wellbore diagram (prior to plugging)
- Wellbore diagram (proposed plugging)

If you have questions, feel free to call.

Regards,

Bruch nel

Brad Nelson Storage Engineer TC Energy (Columbia Gas Transmission, LLC) brad_nelson@tcenergy.com off: 724-223-2753 cell: 724-250-0610

RECEIVED Office of Oil and Gas

JAN 2 1 2021

WV Department of Environmental Protection

05/07/2021

| 4705100284 P SENDER: COMPLETE THIS SECTION | COMPLETE THIS SECTION ON | DELIVERY |
|--|--|--|
| Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: Murray Energy Corporation Amouran Conschedated Natural Resources Artin: Massen Smith 46726 Natural Resol Claivs ville, OH 43950 | A. Signature X Ack Hen B. Received by (Printed Name) A. C. Hess D. Is delivery address different from If YES, enter delivery address to | C. Date of Delivery |
| 2 Article Number (Transfer from service label) 201.8 3090 000 0000 0000 | 3. Service Type Adult Signature Adult Signature Restricted Delivery Certified Mall® Certified Mall® Certified Mall Restricted Delivery Collect on Delivery Restricted Delivery Collect on Delivery Restricted Delivery Insured Mall Mall Restricted Delivery 773 | Priority Mail Express® Registered Mail™ Registered Mail Restricted Delivery Return Receipt for Merchandisa Signature Confirmation™ Signature Confirmation Restricted Delivery |
| PS Form 3811, July 2015 PSN 7530-02-000-9053 | [| Domestic Return Receipt |

| WW-9 (5/16) | API Number 47 - 0470 50016000 2640 Operator's Well No |
|--|---|
| CTATE OF W | |
| | VEST VIRGINIA CONMENTAL PROTECTION |
| 가는 것을 가지 않았다. 사람들은 것은 것은 것은 것을 못했는 것은 것은 것은 것은 것을 가지 않는 것이 같다. 것이 가지 않는 것은 것은 것은 것은 것을 가지 않는 것을 하는 것을 수 있다. 것은 것을 하는 것을 하는 것을 수 있다. 것은 것을 하는 것을 수 있는 것을 하는 것을 하는 것을 하는 것을 수 있다. 것은 것을 하는 것을 수 있는 것을 하는 것을 수 있는 것을 하는 것을 수 있다. 것은 것을 하는 것을 수 있는 것을 수 있는 것을 수 있는 것을 수 있는 것을 수 있다. 것을 것을 수 있는 것을 수 있는 것을 수 있는 것을 수 있는 것을 수 있다. 것을 수 있는 것을 수 있다. 것을 수 있는 것을 수 있다. 것을 것을 수 있는 것을 수 있다. 것을 수 있는 것을 수 있다. 것을 것을 수 있는 것을 수 있다. 것을 것을 것을 것을 수 있는 것을 수 있는 것을 것을 수 있다. 것을 것을 것을 것을 것을 수 있는 것을 것을 수 있는 것을 수 있다. 것을 것을 것을 것을 것을 것을 것을 것을 수 있는 것을 것을 것을 것을 것을 수 있다. 것을 | OIL AND GAS SAL & RECLAMATION PLAN |
| Operator Name Columbia Gas Transmission, LLC | OP Code <u>307032</u> |
| Watershed (HUC 10) Ben Run - A Tributary of Fish Creek | |
| Do you anticipate using more than 5,000 bbls of water to complet Will a pit be used? Yes No | |
| If so, please describe anticipated pit waste: Fresh wate | er, cement returns, bentonite gel, NaCl salt |
| 같은 것은 것 것 같아요. 그는 것은 것 같아요. 그는 것 같아요. 가지 않는 것 같아요. 그는 것은 것 같아요. 그는 것 같아요. 그는 것 같아요. 가지 않는 것 같아요. 가지 않 것 같아요. 가지 않는 것 않는 것 같아요. 가지 않는 것 같아요. 가지 않는 것 같아요. 가지 않는 것 않는 | No If so, what ml? 20 |
| Proposed Disposal Method For Treated Pit Wastes: | |
| Land Application (if selected provide a | a completed form WW-9-GPP) |
| Underground Injection (UIC Permit N | |
| Reuse (at API Number Off Site Disposal (Supply form WW- |) |
| Other (Explain Appalachian Water Serv | vices, Station W1 Ronco WTP, Masontown, PA - Permit 2608201 |
| Will closed loop systembe used? If so, describe: No | |
| Drilling medium anticipated for this well (vertical and horizontal) | 1? Air freshwater oil based etc. N/A |
| | / · · · · · · · · · · · · · · · · · · · |
| | |
| Drill cuttings disposal method? Leave in pit, landfill, removed of | |
| | |
| -If left in pit and plan to solidify what medium will be us | sed? (cement, lime, sawdust) Subscript |
| -Landfill or offsite name/permit number? | |
| Permittee shall provide written notice to the Office of Oil and Gas West Virginia solid waste facility. The notice shall be provided w where it was properly disposed. | 그는 것은 것 같은 것 가장 방법을 얻는 것 같은 것 것 같아요. 것 같은 것 같은 것 같은 것 같아요. 것 같아요. 그는 것 같은 것 같아요. 것 같은 것 같아요. 것 같아요. 것 같은 것 같이 것 |
| on April 1, 2016, by the Office of Oil and Gas of the West Virgir provisions of the permit are enforceable by law. Violations of any or regulation can lead to enforcement action. I certify under penalty of law that I have personally e application form and all attachments thereto and that, based on my | enditions of the GENERAL WATER POLLUTION PERMIT issued nia Department of Environmental Protection. I understand that the y term or condition of the general permit and/or other applicable law examined and am familiar with the information submitted on this y inquiry of those individuals immediately responsible for obtaining and complete. I am aware that there are significant penalties for imprisonment. |
| Company Official Signature Bud Note | Commonwealth of Pennsylvanla |
| Company Official (Typed Name) Brad Nelson | County of Allegheny |
| Company Official Title Storage Engineer | |
| | |
| Subscribed and sworn before me this 6 day of | January , 2021 |
| Planin NU. El | aine Aybski Notary Fabrican Pennsylvania - Notary Se |
| My commission expires 5/11/2022 | Elaine Rybski, Notary Public Allegheny Coonty/2021 My commission expires May 11, 2022 |

My commission expires May 11, 202 Commission number 1332803

4705100264 Operator's Well No._____

| Proposed Revegetation Treat | tment: Acres Disturbed <1.0 | Preveg etation pH 6 | .5 | |
|--|---|--|--|------------------------------|
| Lime 2 | Tons/acre or to correct to | pH <u>7</u> | | |
| Fertilizer type 10- | 10-10 | | | |
| Fertilizer amount_6 | 00 | _lbs/acre | | |
| Mulch_2 | Тс | ons/acre | | |
| | 1 | Seed Mixtures | | |
| Te | emporary | Permanent | t | |
| Seed Type | lbs/acre | Seed Type | lbs/acre | |
| Annual Rye | 40 | Orchard Grass and/or Ta | all Fescue | 29 |
| | | Birdsfoot trefoil (empire | e) | 9 |
| | | Annual Rye | | 12 |
| en wanann araac. | | | | |
| Attach: Maps(s) of road, location, pi | t and proposed area for land ap pit will be land applied, provid | cre) until indigenous plants re-e | this info have be | een |
| Attach: Maps(s) of road, location, pi provided). If water from the | t and proposed area for land ap pit will be land applied, provid the land application area. | plication (unless engineered plans including | this info have be D) of the pit, and | een I dime |
| Attach: Maps(s) of road, location, pi provided). If water from the L, W), and area in acres, of Photocopied section of invol | t and proposed area for land ap pit will be land applied, provid the land application area. lved 7.5' topographic sheet. | plication (unless engineered plans including | this info have be D) of the pit, and F Office JA | en I dima RECE of O |
| Attach: Maps(s) of road, location, pi provided). If water from the L, W), and area in acres, of Photocopied section of invol Plan Approved by: Barry S | t and proposed area for land ap pit will be land applied, provid the land application area. lved 7.5' topographic sheet. | plication (unless engineered plans including | this info have be D) of the pit, and F Office JA | en I dima RECE of O |
| ttach: laps(s) of road, location, pi rovided). If water from the , W), and area in acres, of hotocopied section of invol an Approved by: Barry S | t and proposed area for land ap pit will be land applied, provid the land application area. lved 7.5' topographic sheet. | plication (unless engineered plans including | this info have be D) of the pit, and F Office | en I dima RECE of O |
| Attach: Maps(s) of road, location, pi rovided). If water from the L, W), and area in acres, of hotocopied section of invol lan Approved by: Barry S | t and proposed area for land ap pit will be land applied, provid the land application area. lved 7.5' topographic sheet. | plication (unless engineered plans including | this info have be D) of the pit, and F Office JA | en I dima RECE of O |
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| Attach: Maps(s) of road, location, pi provided). If water from the L, W), and area in acres, of | t and proposed area for land ap pit will be land applied, provid the land application area. lved 7.5' topographic sheet. | plication (unless engineered plans including | this info have be D) of the pit, and F Office JA | en I dima RECE of O |
| Attach: Maps(s) of road, location, pi provided). If water from the L, W), and area in acres, of Photocopied section of invol Plan Approved by: Barry S | t and proposed area for land ap pit will be land applied, provid the land application area. lved 7.5' topographic sheet. | plication (unless engineered plans including | this info have be D) of the pit, and F Office JA | en I dima RECE of O |

Quad: Cameron, WV

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

Operator Name: Columbia Gas Transmission, LLC

Watershed (HUC 10): Ben Run - A Tributary of Fish Creek

Farm Name:

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

No fertilizer will be stored on site. Small quantities of fuel, oil, and lubricants will be stored on site, but located within secondary containment.

Accidental release from well fluids and spills from construction equipment are the only sources of contaminate to groundwater.

All accumulated fluids to be hauled off site to UIC disposal facility.

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

All construction equipment will be inspected daily for leaks. Spill kits will be on site.

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.
RECEIVED Gas

The closest water body is Ben Run, approximately 0.25 miles to the SW. The nearest Wellhead Protection area is 8.04 mi. to the SE - (PWSID 3305202 Hundred JAN 2 1 2021 Littleton PSD).

4. Summarize all activities at your facility that are already regulated for groundwater protection.

N/A

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

WW-9- GPP Rev. 5/16

N/A

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

No waste material will be used for deicing or fill material on the property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

During routine tailgate meetings groundwater protection will be a topic of discussion.

8. Provide provisions and frequency for inspections of all GPP elements and equipment.

No fertilizer will be stored on site. Small quantities of fuel, oil, and lubrications will be stored on site, but located within secondary containment. Construction equipment will be inspected daily for leaks or spill.

Signature: Bend Nde.

Date: 1/19/21

05/07/2021

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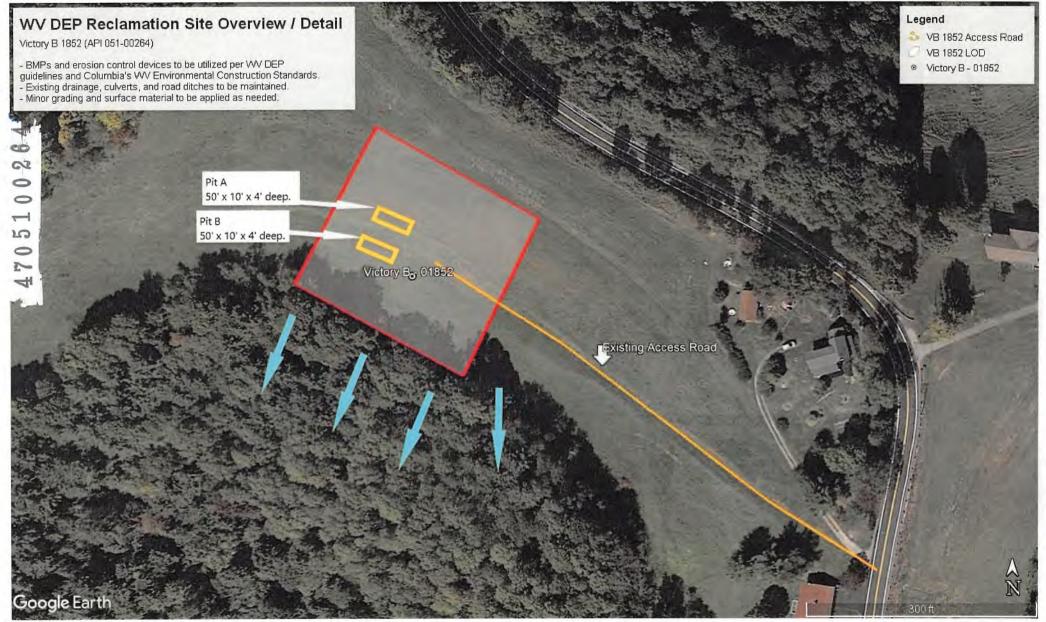
JAN 2 2021

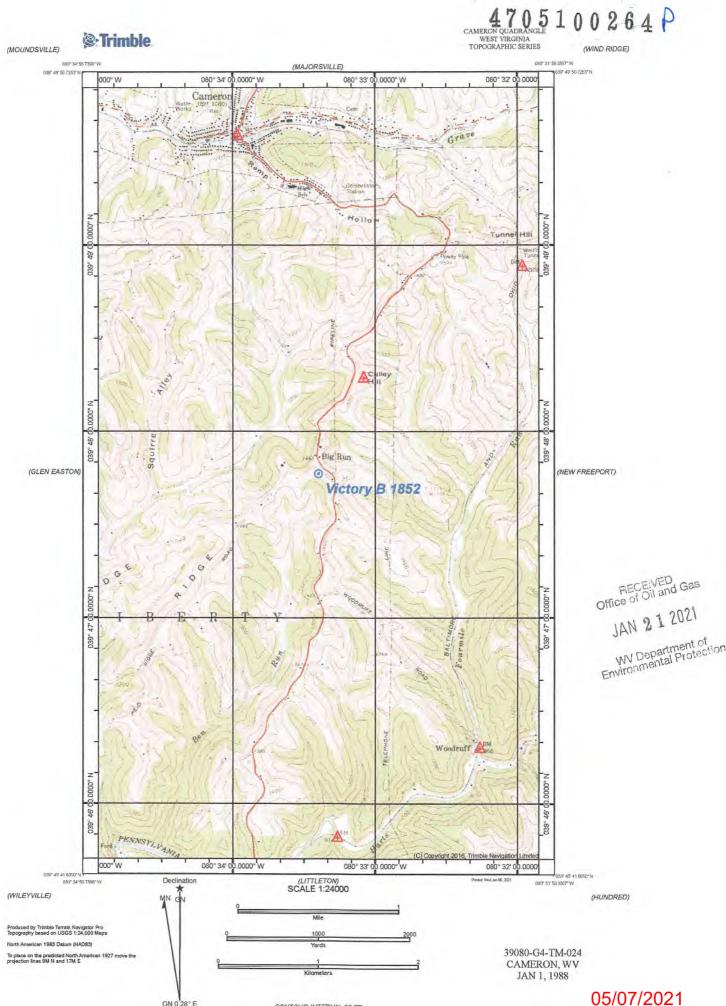
WV Department of Environmental Protection

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MAY 3 2021

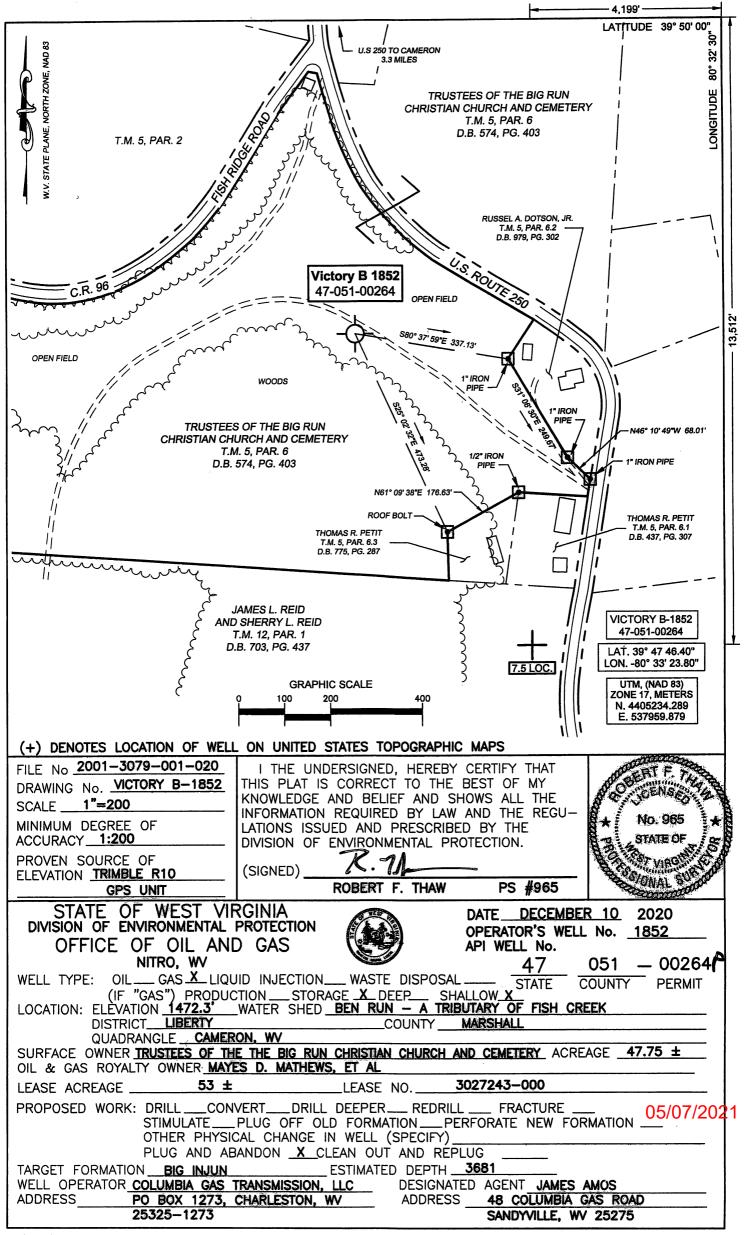
WV Department of Environmental Protection





GN 0.28° E MN 8.73° W

CONTOUR INTERVAL 20 FT



P:\2020\2001-3079-001-020 - TC ENERGY - VICTORY B 1852\50-SURVEY\DWG\VICTORY-B-1852-WELL PLAT.DWG

51-00264 p 4705100264

Pipeline Group

1700 MacCorkle Ave SE P.O. Box 1273 Charleston, WV 25325

> RECEIVED Office of Oli and Gas

JAN 2 1 2021

WV Department of Environmental Protection

WV DEP – Office of Oil & Gas 601 57th Street, SE Charleston, WV 25304-2345

January 19, 2021

Enclosed is a plugging permit application for the following Columbia Gas Transmission existing storage well:

Victory B 1852 (API 051-00264)

Please return permit to:

Columbia Gas Transmission, LLC 455 Racetrack Road Washington, PA 15301 Attn: Brad Nelson

If you have questions, feel free to call.

Regards,

Brad Met

Brad Nelson Storage Engineer TC Energy (Columbia Gas Transmission, LLC) brad_nelson@tcenergy.com off: 724-223-2753 cell: 724-250-0610

