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west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Wednesday, July 10, 2019  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

EQUITRANS, L. P.  
625 LIBERTY AVE. SUITE 1700  
PITTSBURGH, PA 15222

Re: Permit approval for 7757  
47-041-00041-00-00

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.

James A. Martin  
Chief

A blue ink signature of James A. Martin, Chief, is written over the printed name and title.

Operator's Well Number: 7757  
Farm Name: US ARMY CORP OF ENGINEERS  
U.S. WELL NUMBER: 47-041-00041-00-00  
Vertical Plugging  
Date Issued: 7/10/2019

## PERMIT CONDITIONS

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

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### CONDITIONS

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

1) Date April 15, 2019  
2) Operator's  
Well No. 607757  
3) API Well No. 47-041 - 00041

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil \_\_\_ / Gas X / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production \_\_\_ or Underground storage X ) Deep \_\_\_ / Shallow \_\_\_

5) Location: Elevation 1229' Watershed Skin Creek  
District Court House COLINS SETTLEMENT County Lewis Quadrangle Crawford NW 1.1- RONJOKE

6) Well Operator Equitrans, L.P. 7) Designated Agent Brian Hall  
Address 625 Liberty Ave Suite 2000 Address 303 Sand Cut Rd  
Pittsburgh, PA 15222 Clarksburg, WV 26301

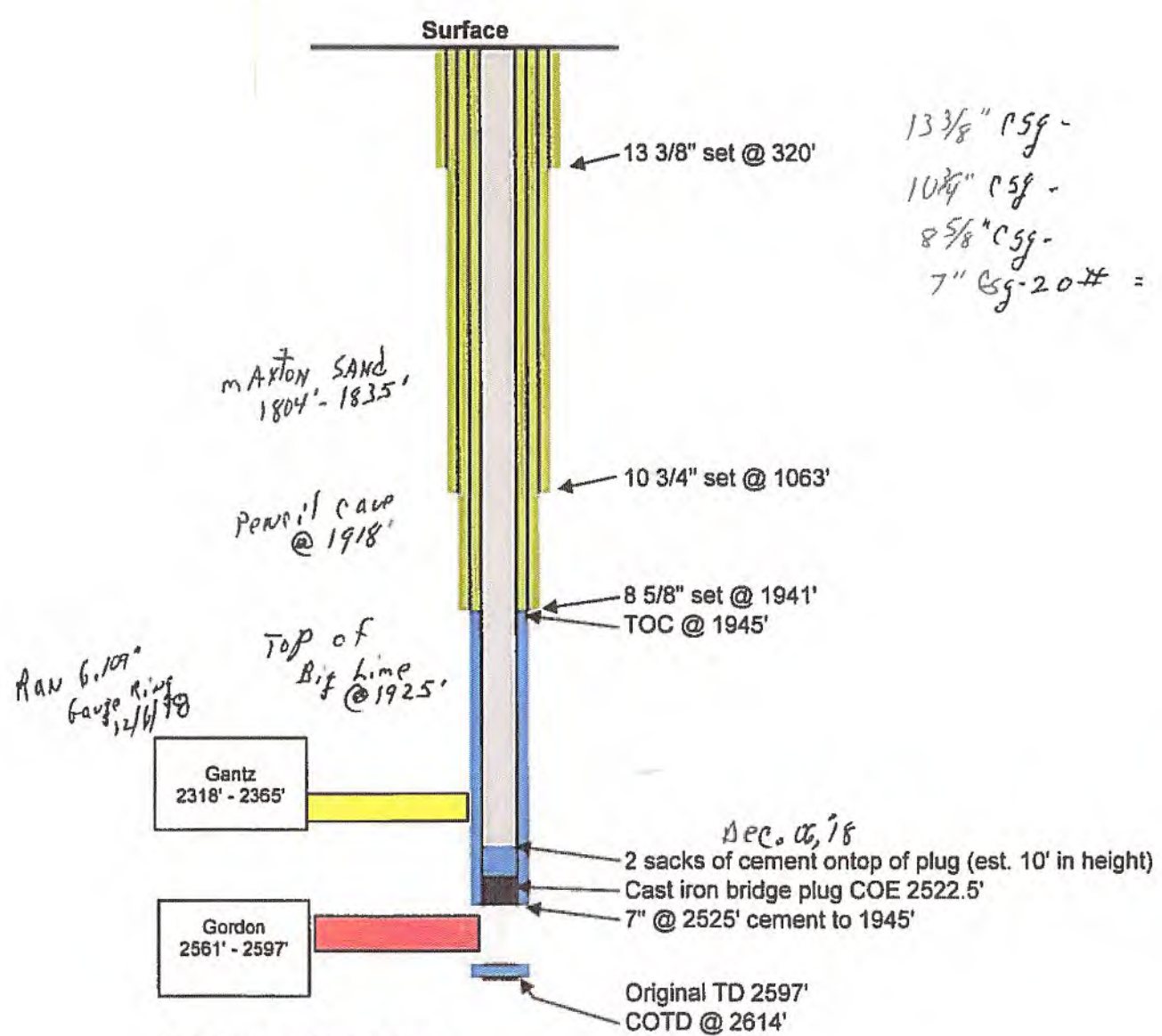
8) Oil and Gas Inspector to be notified Name Barry Stollings  
Address 28 conifer Drive  
Bridgeport WV 26330  
9) Plugging Contractor Name To Be Determined  
Address \_\_\_\_\_

10) Work Order: The work order for the manner of plugging this well is as follows:  
**See attachment for details and procedures**

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

Work order approved by inspector Bryson Harris Date 4-26-19

# Skin Creek Field Well # 7757 I/W Well



13 3/8" Csg -  
 10 3/4" Csg -  
 8 5/8" Csg -  
 7" Csg - 20# =

m AXTON SAND  
 1804' - 1835'

Pencil core  
 @ 1918'

Top of  
 Big lime  
 @ 1925'

Raw 6.109"  
 Gauge Ring  
 12/6/78

Gantz  
 2318' - 2365'

Gordon  
 2561' - 2597'

Dec. 06, 78  
 2 sacks of cement on top of plug (est. 10' in height)  
 Cast iron bridge plug COE 2522.5'  
 7" @ 2525' cement to 1945'

Original TD 2597'  
 COTD @ 2614'

**Skin Creek Storage Field**  
 Well Number # 7757  
 Well Name: E.A. Bennett, et ux #3  
 API No.: 47-041-00041  
 Lease No.: 107663  
 Location: Collins Settlement, Lewis County, WV.  
 Drilled: 4/10/40  
 Converted: 7/23/40

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|--|
|  |
|  |
| <b>7757 Plug and Abandonment Procedure</b>   |
|  |
| <b>SITE PREPARATION</b>  |
| Field reconnaissance   |
| Upgrade existing well site and road way to accommodate service rig and ancillary equipment if necessary        |
| Install all necessary erosion control measures spelled out in approved Erosion and Sedimentation Plan          |
|  |
| <b>FIELD WORK</b>  |
| <b>All company Well Entry and LOTO SOPs are to be applied</b>  |
| Blow well down/should be little or no pressure/Cast iron and cement plug set @2522' to 2512'(12/6/18)          |
| Dig sump around wellhead(Line with plastic pit liner)  |
| Move in and rig up service rig and ancillary equipment   |
| Weld bell nipple onto 8 5/8" casing  |
| Install annular BOP on 8 5/8" casing   |
| Trip in hole with sand line to check well TD(Top of cement plug set@2512'/12-6-18)                             |
| Remove any fill up if needed to TD(Top of plug, should be clean)   |
| Move in and rig up wireline  |
| Confirm TD   |
| Free point 7" casing, (TOC @ 1945' per logs ran 12/6/18)   |
| Perforate any stuck pipe to be left in hole(5 large dia. Squeeze shots(cluster) every 50')above top of cement. |
| Jet cut 7" casing at point of free pipe.   |
| Pull free 7" casing.   |
| Trip 2 3/8" work string to TD  |
| Move in and rig up cement pumpers  |
| Pump cement plug(Class A type) through tubing from TD to top of 7" casing stub.                                |
| Trip work string out of hole.  |
| Wait on cement 8 hours   |
| Confirm Top Of Cement plug <b>ADD CEMENT IF NEEDED.</b>  |
| Move in and rig up wireline  |
| Radial bond log 8 5/8" casing, confirm free pipe   |
| Perforate any stuck pipe to be left in hole(5 large dia. Squeeze shots(cluster) every 50')                     |
| Cut(split shot) 8 5/8" casing at point of free pipe.   |
| Pull free 8 5/8" casing.   |
| Trip work string in hole to top of last cement plug.   |
| Move in Rig up cement pumpers  |
| Pump cement plug(Class A type) through tubing from top of plug to bottom of 10 3/4" casing.                    |
| Trip work string out of hole.  |
| Wait on cement 8 hours   |
| Move in rig up wireline  |

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|  |
|--|
| Radial bond log 10 3/4" casing, confirm free pipe  |
| Perforate any stuck pipe to be left in hole(5 large dia. Squeeze shots(cluster) every 50') |
| Cut(split shot) 10 3/4" casing at point of free pipe.                                      |
| Pull free 10 3/4" casing   |
| Perforate 13 3/8" casing(320')(5 large dia. Squeeze shots(cluster) every 50')              |
| Rig down move off wireline   |
| Trip work string in hole to top of last cement plug.                                       |
| Move in Rig up cement pumpers  |
| Pump cement plug(Class A type) through tubing from top of last plug to surface.            |
| Pull work string out of hole.  |
| Top well off(work string displacement)   |
| Install monument and GPS   |
| Rig down and move off service rig  |
|  |
| <b>PLUGGING PROCEDURE WILL COMPLY WITH THE FOLLOWING WVDEP CODE REQUIREMENTS</b>           |
|  |
| <b>SITE RECLAMATION</b>  |
| Reclaim access road and well site  |
|  |
| <b>PERMITTING</b>  |
| Submit final plugging affidavit  |

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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

*Completed*

WELL RECORD

Permit No. 1EW-41

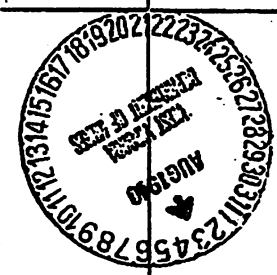
Oil or Gas Well GAS

Company Pittsburgh & West Va Gas Company.  
Address Clarksburg, West Va.,  
Farm E. A. Bennett et ux Acres 210  
Location (waters) Crawford N/W. 1-1  
Well No. 7757 Elev. 1229'  
District Court House County Lewis  
The surface of tract is owned in fee by George Moore.  
R.F.D. #3 Address Weston, W. Va.,  
Mineral rights are owned by Sallie E. Bennett  
Address Weston, W. Va.  
Drilling commenced April 10th, 1940.  
Drilling completed July 23rd, 1940.  
Date shot 7-24-1940 Depth of shot 2578-2593  
(60 QTS)  
Open Flow 1/10th Water in 6-5/8" Inch  
4 /10ths Merc. in. 6-5/8" Inch  
Volume 3,706,000 Cu. Ft.  
Rock Pressure 470 lbs. 48 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers        |
|-------------------|------------------|--------------|----------------|
| Size              |                  |              |                |
| 18                |                  |              | Kind of Packer |
| 13                | <u>320'</u>      | <u>320'</u>  |                |
| 10                | <u>1063'</u>     | <u>1063'</u> | Size of        |
| 8 1/4             | <u>1941'</u>     | <u>1941'</u> |                |
| 6 3/4             | <u>2518'</u>     | <u>2518'</u> | Depth set      |
| 5 3/16            |                  |              |                |
| 3                 |                  |              | Perf. top      |
| 2                 |                  |              | Perf. bottom   |
| Liners Used       |                  |              | Perf. top      |
|                   |                  |              | Perf. bottom   |

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT 241 FEET 48 INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

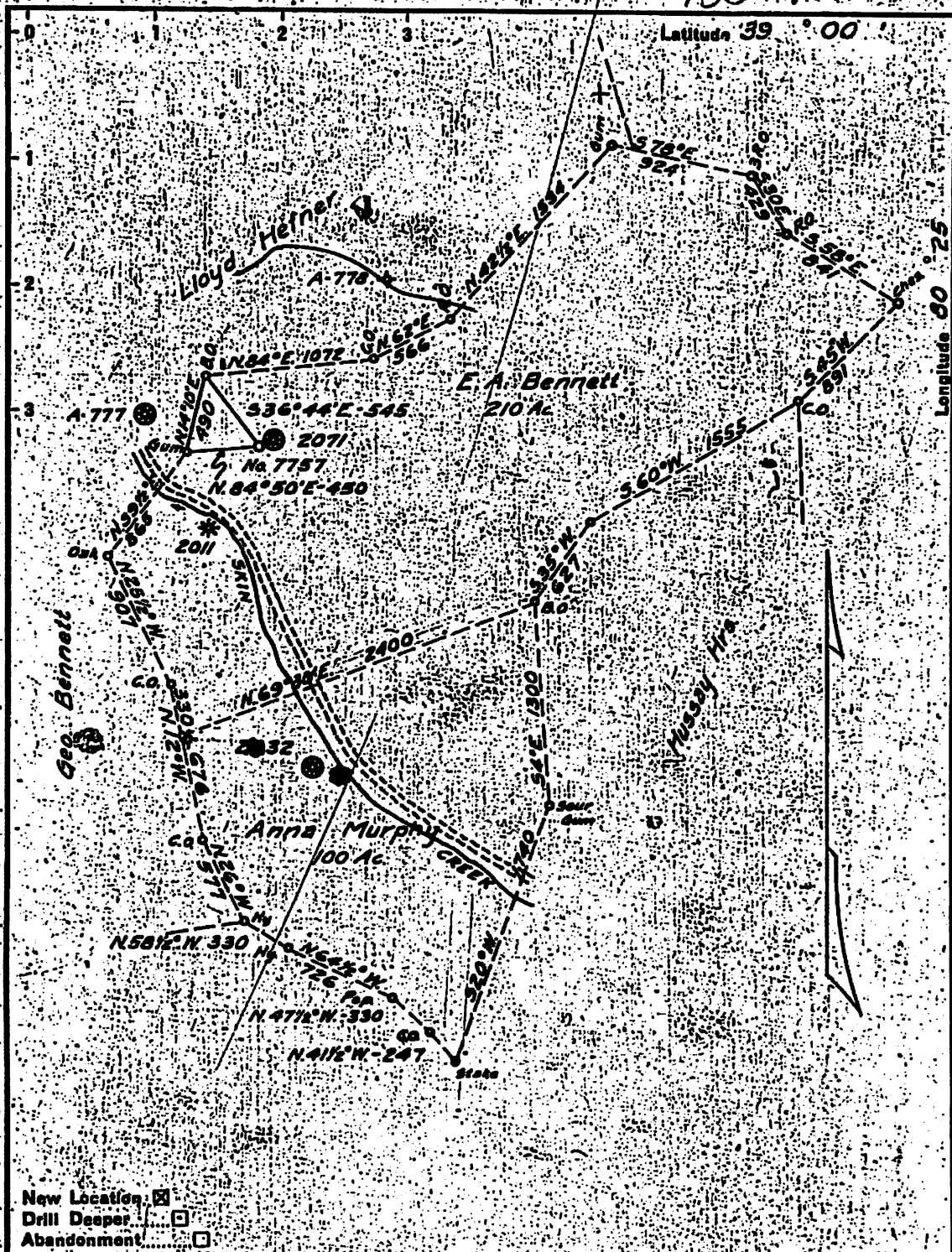
| Formation | Color | Hard or Soft    | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-----------|-------|-----------------|-----|--------|-------------------|-------------|---------|
| Clay      | Red   | Soft            | 0   | 12     |                   |             |         |
| Red Rock  | "     | "               | 12  | 19     |                   |             |         |
| Sand      | Gray  | Hard            | 19  | 40     |                   |             |         |
| Red Rock  | Red   | Soft            | 40  | 120    |                   |             |         |
| Sand      | Gray  | Hard            | 120 | 135    |                   |             |         |
| Slate     | Light | Soft            | 135 | 140    |                   |             |         |
| Sand      | "     | Hard            | 140 | 177    |                   |             |         |
| Slate     | Dark  | Soft            | 177 | 185    |                   |             |         |
| Lime      | Light | Hard            | 185 | 224    |                   |             |         |
| Slate     | "     | Soft            | 224 | 241    |                   |             |         |
| Coal      | Black | "               | 241 | 245    |                   |             |         |
| Slate     | Light | "               | 245 | 250    |                   |             |         |
| Lime      | "     | Hard            | 250 | 275    |                   |             |         |
| Slate     | Dark  | Soft            | 275 | 280    |                   |             |         |
| Red Rock  | "     | "               | 280 | 284    |                   |             |         |
| Lime      | Light | Hard            | 284 | 300    |                   |             |         |
| Slate     | "     | Soft            | 300 | 333    |                   |             |         |
| Lime      | "     | Hard            | 333 | 346    |                   |             |         |
| Slate     | "     | Soft            | 346 | 363    |                   |             |         |
| Lime      | "     | Hard            | 363 | 389    |                   |             |         |
| Red Rock  | Red   | Soft            | 389 | 400    |                   |             |         |
| Lime      | Light | Hard            | 400 | 415    |                   |             |         |
| Red Rock  | "     | Soft            | 415 | 420    |                   |             |         |
| Lime      | Dark  | Hard            | 420 | 442    |                   |             |         |
| Red Rock  | Red   | Soft            | 442 | 454    |                   |             |         |
| Lime      | Light | Hard            | 454 | 545    |                   |             |         |
| Red Rock  | Red   | Soft            | 545 | 555    |                   |             |         |
| Slate     | Light | "               | 555 | 578    |                   |             |         |
| Lime      | Dark  | Hard            | 578 | 592    |                   |             |         |
| Red Rock  | Red   | Soft            | 592 | 597    |                   |             |         |
| Lime      | Dark  | <del>Soft</del> | 597 | 617    |                   |             |         |
| Red Rock  | Red   | Soft            | 617 | 622    |                   |             |         |
| Lime      | Light | Hard            | 622 | 663    |                   |             |         |
| Sand      | Gray  | "               | 663 | 675    |                   |             |         |
| Red Rock  | Red   | Soft            | 675 | 680    |                   |             |         |
| Slate     | Light | "               | 680 | 690    |                   |             |         |
| Lime      | "     | Hard            | 690 | 725    |                   |             |         |
| Sand      | Gray  | "               | 725 | 738    |                   |             |         |
| Slate     | Light | Soft            | 738 | 744    |                   |             |         |
| Lime      | "     | Hard            | 744 | 756    |                   |             |         |
| Slate     | "     | Soft            | 756 | 769    |                   |             |         |



| Formation       | Color | Hard or Soft | Top  | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-----------------|-------|--------------|------|--------|-------------------|-------------|---------|
| Red Rock        | Red   | Soft         | 769  | 774    |                   |             |         |
| Slate           | Light | "            | 774  | 784    |                   |             |         |
| Lime            |       | Hard         | 784  | 795    |                   |             |         |
| Slate           |       | Soft         | 795  | 800    |                   |             |         |
| Lime            | Light | Hard         | 800  | 826    |                   |             |         |
| Slate           |       | Soft         | 826  | 854    |                   |             |         |
| Red Rock        | Red   | "            | 854  | 870    |                   |             |         |
| Lime            | Light | Hard         | 870  | 890    |                   |             |         |
| Slate           | Dark  | Soft         | 890  | 898    |                   |             |         |
| Lime            | Light | Hard         | 898  | 925    |                   |             |         |
| Slate-Shells    | Dark  | Soft         | 925  | 990    |                   |             |         |
| Lime            | Light | Hard         | 990  | 1008   |                   |             |         |
| Slate           | Dark  | Soft         | 1008 | 1014   |                   |             |         |
| Lime            | Light | Hard         | 1014 | 1022   |                   |             |         |
| Slate           |       | Soft         | 1022 | 1050   |                   |             |         |
| Lime            | Light | Hard         | 1050 | 1094   |                   |             |         |
| Slate           | Dark  | Soft         | 1094 | 1103   |                   |             |         |
| Sand            | Dark  | Hard         | 1103 | 1123   |                   |             |         |
| Shale           | Black | Soft         | 1123 | 1139   |                   |             |         |
| Sand            | Light | Hard         | 1139 | 1152   |                   |             |         |
| Slate&Shells    | Dark  | Soft&Hard    | 1152 | 1194   |                   |             |         |
| Salt Sand       | Gray  | Hard         | 1194 | 1297   |                   |             |         |
| Slate&Shells    | Dark  | Soft&Hard    | 1297 | 1342   |                   |             |         |
| Lime            | "     | Hard         | 1342 | 1358   |                   |             |         |
| Slate           | "     | Soft         | 1358 | 1363   |                   |             |         |
| Lime            | Light | Hard         | 1363 | 1385   |                   |             |         |
| Slate&Shells    | Dark  | Soft&Hard    | 1385 | 1450   |                   |             |         |
| Salt Sand       | Gray  | Hard         | 1450 | 1541   |                   |             |         |
| Slate&Shells    | Dark  | Soft&Hard    | 1541 | 1555   |                   |             |         |
| Sand            | Gray  | Hard         | 1555 | 1586   |                   |             |         |
| Lime            | Dark  | Broken       | 1586 | 1630   |                   |             |         |
| Slate           | "     | Soft         | 1630 | 1636   |                   |             |         |
| Red Rock        | "     | "            | 1636 | 1647   |                   |             |         |
| Lime            | "     | Hard         | 1647 | 1660   |                   |             |         |
| Slate           | Light | Soft         | 1660 | 1700   |                   |             |         |
| Lime            | "     | Hard         | 1700 | 1730   |                   |             |         |
| Red Rock        | Red   | Soft         | 1730 | 1750   |                   |             |         |
| Lime            | Light | Hard         | 1750 | 1763   |                   |             |         |
| Red Rock        | "     | Soft         | 1763 | 1767   |                   |             |         |
| Lime            | Light | Hard         | 1767 | 1804   |                   |             |         |
| Maxon Sand      | "     | "            | 1804 | 1835   |                   |             |         |
| Lime            | "     | "            | 1835 | 1840   |                   |             |         |
| Red Rock        | Red   | Soft         | 1840 | 1846   |                   |             |         |
| Lime            | Light | Hard         | 1846 | 1894   |                   |             |         |
| Slate           | "     | Soft         | 1894 | 1899   |                   |             |         |
| Lime            | "     | Hard         | 1899 | 1904   |                   |             |         |
| Slate           | "     | Soft         | 1904 | 1925   |                   |             |         |
| Big Lime        | "     | Hard         | 1925 | 1992   |                   |             |         |
| Big Injun Sand  | Gray  | "            | 1992 | 2003   |                   |             |         |
| Lime            | Light | "            | 2003 | 2020   |                   |             |         |
| Big Injun Sand  | Gray  | "            | 2020 | 2115   |                   |             |         |
| Slate-Shells    | Light | "            | 2115 | 2147   |                   |             |         |
| Lime            | Dark  | "            | 2147 | 2180   |                   |             |         |
| Slate&Shells    | "     | "            | 2180 | 2310   |                   |             |         |
| Lime            | Gray  | Hard         | 2310 | 2365   |                   |             |         |
| Gantz Sand      | "     | Hard&Glose   | 2365 | 2370   | Show Gas          | 2358-2362'  |         |
| Slate           | Light | Soft         | 2370 | 2375   |                   |             |         |
| Lime            | "     | Hard         | 2375 | 2432   |                   |             |         |
| Slate&Shells    | "     | Hard&Soft    | 2432 | 2460   |                   |             |         |
| Thirty Foot Sd. | Gray  | Hard         | 2460 | 2504   |                   |             |         |
| Slate&Shell     | Light | Soft&Hard    | 2504 | 2511   |                   |             |         |
| Gordon Stray    | Gray  | Hard         | 2511 | 2513   |                   |             |         |
| Slate           | Light | Soft         | 2513 | 2551   |                   |             |         |
| Gordon Stray    | Red   | Hard         | 2551 | 2561   |                   |             |         |
| Slate&Shells    | Light | "            | 2561 | 2575   |                   |             |         |
| Gordon Sand     | "     | Hard         | 2575 | 2577   |                   |             |         |
| Slate           | "     | Soft         | 2577 | 2597   |                   |             |         |
| Sand            | "     | Hard         | 2597 | 2597   | Gas               | 2580-83     |         |
| Total Depth     |       |              |      |        | Gas               | 2586-90     |         |

APPROVED \_\_\_\_\_ PITTSBURGH & WEST VA GAS CO. Owner  
 By *F. S. Bridgman* (Title)  
 Date August 2nd, 1940 194





New Location   
 Drill Deeper   
 Abandonment

Company Pittsburgh & W. Va. Gas Co.  
 Address Clarksburg, W. Va.  
 Farm E. A. Bennett  
 Tract 1 Acres 210 Lease No. 7663  
 Well (Farm) No. 3 Serial No. 7757  
 Elevation (Spirit Level) 1229  
 Quadrangle Crawford N.W. 11  
 County Lewis District Court House  
 Engineer Paul W. Lanninghaus  
 Engineer's Registration No. \_\_\_\_\_  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 2-1-40 Scale 1" = 800'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. LEW-41

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 — Denotes one inch spaces on border line of original tracing.

WW-4A  
Revised 6-07

1) Date: April 15, 2019  
2) Operator's Well Number  
607757  
3) API Well No.: 47 - 041 - 00041

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

|   |  |
|---|--|
| 4) Surface Owner(s) to be served:                       | 5) (a) Coal Operator                         |
| (a) Name <u>US Army Corps of Engineers</u>              | Name <u>N/A</u>                              |
| Address <u>ATTN: Jeffrey H. Toler, Resource Manager</u> | Address _____                                |
| <u>1012 Skin Creek Road</u>                             | _____  |
| (b) Name <u>Weston WW 26452-7435</u>                    | (b) Coal Owner(s) with Declaration           |
| Address <u>304-269-4588</u>                             | Name <u>U.S. Bureau of Land Management</u>   |
| _____   | Address <u>Division of Natural Resources</u> |
| (c) Name _____  | <u>Minerals Management Service</u>           |
| Address _____   | Name <u>PO Box 25627</u>                     |
| _____   | Address <u>Denver, CO 80255-0627</u>         |
| 6) Inspector <u>Barry Stollings</u>                     | (c) Coal Lessee with Declaration             |
| Address <u>28 Conifer Drive</u>                         | Name <u>N/A</u>                              |
| <u>Bridgeport, WV 26330</u>                             | Address _____                                |
| Telephone <u>304-552-4194</u>                           | _____  |

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

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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

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

|               |   |                                       |
|---------------|---|---------------------------------------|
| Well Operator | <u>Equitrans, L.P.</u>                  | Primary Contact:                      |
| By:           | <u>Kevin J. Wagner</u> <i>KJ Wagner</i> | <u>Brian Hall</u>                     |
| Its:          | <u>Attorney-in-Fact</u>                 | <u>NWW Ops Reg Manager</u>            |
| Address       | <u>303 Sand Cut Rd</u>                  | <u>(304) 626-6419</u>                 |
|               | <u>Clarksburg, WV 26301</u>             | <u>BRHall@equitransmidstream.com</u>  |
| Telephone     | <u>304-627-6431</u>                     | <u>KWagner@equitransmidstream.com</u> |

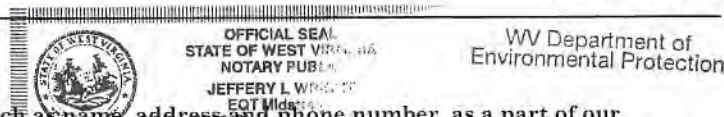
Subscribed and sworn before me this 16th day of April, 2019  
\_\_\_\_\_  
Notary Public

My Commission Expires April 9, 2022

RECEIVED  
Office of Oil and Gas  
MAY 2 2019

**Oil and Gas Privacy Notice**

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WV Department of Environmental Protection

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WW-9  
(5/16)

47-041-00041 P

API Number 47 - 041 00041

Operator's Well No. 607757

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Equitrans, L.P. OP Code 5547235

Watershed (HUC 10) Skin Creek Quadrangle Crawford NW 1.1 ROMNOKE

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

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: N/A

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? No earthen pit

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_ )

Will closed loop system be used? If so, describe: Yes, above ground steel pits connected to mud pump and well

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

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Removed Offsite

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

-Landfill or offsite name/permit number? (See Attachment)

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

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Kevin J. Wagner

Company Official (Typed Name) Kevin J. Wagner

Company Official Title Attorney-in-Fact

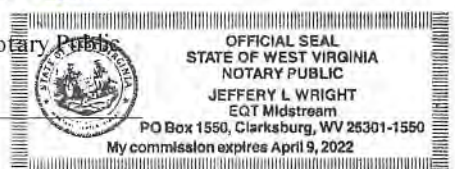
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Subscribed and sworn before me this 16 day of April, 2019

Kevin J. Wagner  
My commission expires April 9 2022

Notary Public



WV Department of  
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**Attachment WW-9 Landfill or Offsite Disposal Name/Permit Number**

| Region        | Facility Type | Facility Location Name              | Street                       | City         | State | Zip Code |
|---------------|---------------|-------------------------------------|------------------------------|--------------|-------|----------|
| Manufacturing | Disposal Well | Nichols (SWIW #13) 1 - A            | 10555 Veto Road              | Belpre       | OH    | 45714    |
|               | Disposal Well | D - 1 (SWIW #7)                     | 3549 Warner Road             | Fowler       | OH    | 44418    |
|               | Disposal Well | Goff (SWIW #27) 1                   | 9350 East Pike Road          | Norwich      | OH    | 43767    |
|               | Disposal Well | Eva Jean Root Wolf 1 and 4, Wolf 2  | 5480 State Route 5           | Newton Falls | OH    | 44444    |
|               | Disposal Well | Pander R&P (SWIW # 15 & #16) 1 & 2  | 5310 State Route 5           | Newton Falls | OH    | 44444    |
|               | Disposal Well | John G. Delores Blazek 2            | 5700 Allyn Road              | Hiram        | OH    | 44234    |
|               | Disposal Well | Belden & Blake Corporation 2 - 1050 | 8090 Edison Street           | Louisville   | OH    | 44641    |
|               | Disposal Well | Plum Creek 1                        | 4285 Karg Industrial Parkway | Kent         | OH    | 44240    |
|               | Disposal Well | Ed Lyons (Genet) 1                  | 7700 Lincoln Street          | East Canton  | OH    | 44730    |

List of Ohio SWDs 6.13.2013

| Wells                          | County        | Township  | State | Permit #s     | Entity                               |
|--------------------------------|---------------|-----------|-------|---------------|--------------------------------------|
| Belden & Blake #2              | Stark         | Marlboro  | Ohio  | 34-151-2-3420 | Heckmann Water Resources (CVR), Inc. |
| Blazek #2                      | Portage       | Hiram     | Ohio  | 34-133-2-0525 | Heckmann Water Resources (CVR), Inc. |
| Lyons #1                       | Stark         | Osnaburg  | Ohio  | 34-151-2-1198 | Heckmann Water Resources (CVR), Inc. |
| Pander R. & P #1               | Trumbull      | Newton    | Ohio  | 34-155-2-3795 | Heckmann Water Resources (CVR), Inc. |
| Pander R. & P #2               | Trumbull      | Newton    | Ohio  | 34-155-2-3794 | Heckmann Water Resources (CVR), Inc. |
| Plum Creek #1                  | Portage       | Brimfield | Ohio  | 34-133-2-3614 | Heckmann Water Resources (CVR), Inc. |
| Eva Jean Root Wolf #1          | Trumbull      | Newton    | Ohio  | 34-155-2-1893 | Heckmann Water Resources (CVR), Inc. |
| Wolf #2                        | Trumbull      | Newton    | Ohio  | 34-155-2-1894 | Heckmann Water Resources (CVR), Inc. |
| Eva Jean Root Wolf #4          | Trumbull      | Newton    | Ohio  | 34-155-2-3203 | Heckmann Water Resources (CVR), Inc. |
| D-1 (AnnaRock)                 | Trumbull      | Fowler    | Ohio  | 34-155-2-2403 | Heckmann Water Resources (CVR), Inc. |
| Nichols #1-A SWIW #13          | Washington    | Dunham    | Ohio  | 34-167-2-3862 | Heckmann Water Resources (CVR), Inc. |
| Goff #1                        | Muskingum     | Union     | Ohio  | 34-119-2-8776 | Heckmann Water Resources (CVR), Inc. |
| Appalachian Water (APP or AWS) | Connellsville | N/A       | PA    | 2608201       |                                      |

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Proposed Revegetation Treatment: Acres Disturbed less than one (1) acre Prevegetation pH N/A

Lime 3 Tons/acre or to correct to pH 6 1/2

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 600 lbs/acre

Mulch Hay or Straw Tons/acre

**Seed Mixtures**

**Temporary**

**Permanent**

Seed Type lbs/acre

Seed Type lbs/acre

N/A

Meadow Mix 40 lbs per acre

**Attach:**

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

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

Title: Inspector

Date: 4-26-19

Field Reviewed?

(  ) Yes

(  ) No

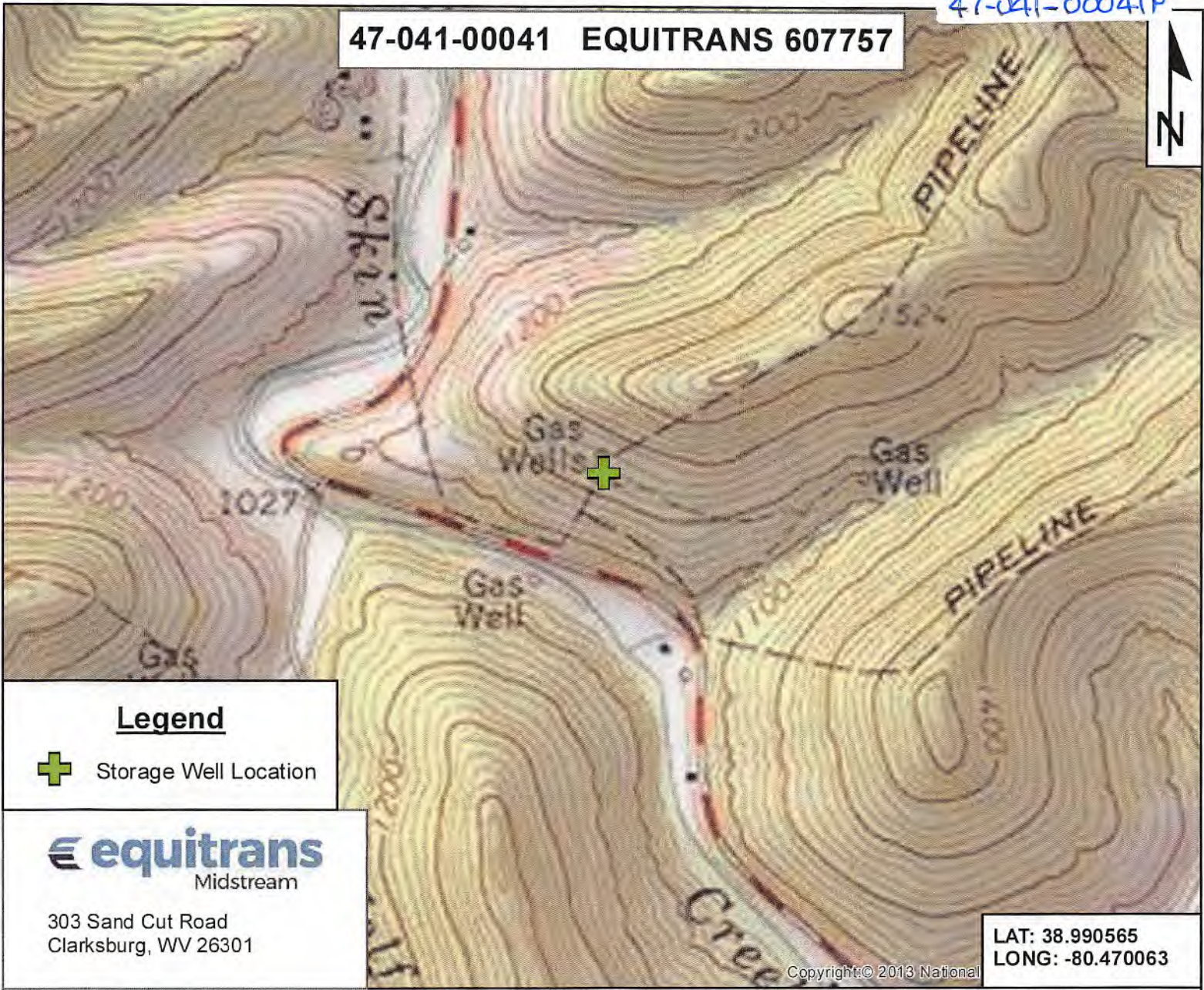
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47-041-00041 P

47-041-00041 EQUITRANS 607757



**Legend**

 Storage Well Location



303 Sand Cut Road  
Clarksburg, WV 26301

LAT: 38.990565  
LONG: -80.470063

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DISCLAIMER:  
This map is confidential and is to be used only for the express informational purposes for which it was created. Unauthorized use, copying, or dissemination is strictly prohibited. Equitrans Midstream does not warrant the accuracy of the location of any items shown on this map, including, but not limited to, any structures, well or pipeline facilities, property boundaries, topography, roadways, or waterways. The items shown on the map may not have been placed on the map using survey lines or GPS coordinates. The specific location of any of the map items should be determined by a field survey performed by a licensed surveyor upon consultation with Equitrans Midstream.

Quad: ROANOKE  
~~Crawford N.W. 1~~

County: Lewis

District: Court House

Scale: Not Mapped to Scale

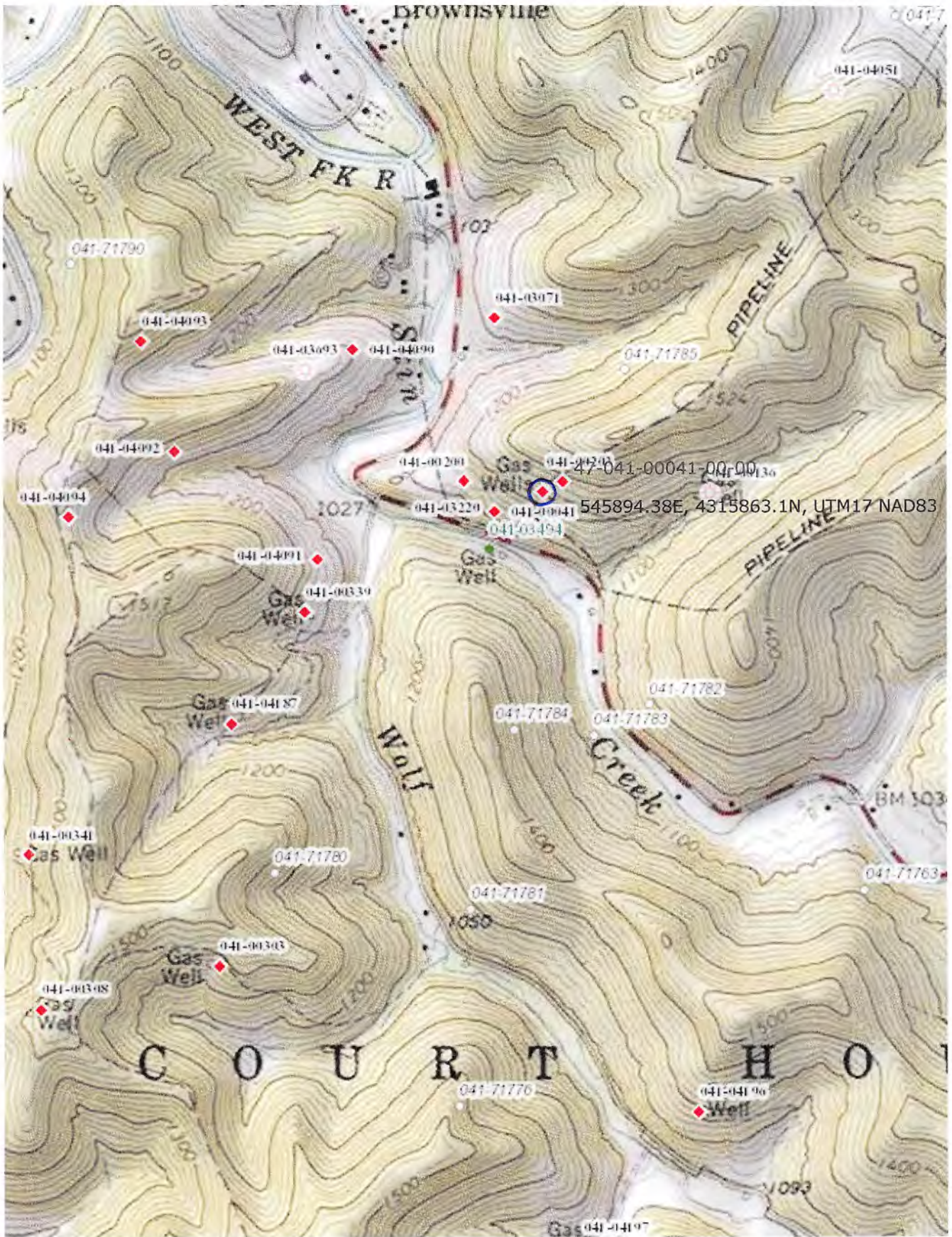
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WW-7  
8-30-06



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

API: 47-041-00041 WELL NO.: 607757

FARM NAME: EA Bennett

RESPONSIBLE PARTY NAME: Equitrans, L.P.

COUNTY: Lewis DISTRICT: Court House

QUADRANGLE: Crawford N/W 1.1 ROANOKE

SURFACE OWNER: US Army Corp of Engineers

ROYALTY OWNER: US Bureau of Land Management

UTM GPS NORTHING: 4315863.104

UTM GPS EASTING: 545894.388 GPS ELEVATION: 374.5992m(1229')

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS  : Post Processed Differential

Real-Time Differential

Mapping Grade GPS  : Post Processed Differential

Real-Time Differential

4. **Letter size copy of the topography map showing the well location.**

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

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K. J. Meyer  
Signature

ATTORNEY IN FACT  
Title

4-16-2019  
Date