

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 Jim Justice , Governor Austin Caperton , Cabinet Secretary www.dep.wv.gov

Monday, January 23, 2017 WELL WORK PERMIT Vertical / Plugging

CONSOLIDATION COAL COMPANY (A) 1 BRIDGE STREET

MONONGAH, WV 265540000

Re: Permit approval for 13 47-049-00713-00-00

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

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

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

James A. Martin Chief

Operator's Well Number: 13

Farm Name: HAYES, J. L. & A. J.

U.S. WELL NUMBER: 47-049-00713-00-00

Vertical / Plugging

Date Issued: 1/23/2017

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 conditions may result in enforcement action.</u>

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.

FORM WW-4(B) Rev. 2/01

| 1.) Date: | Decen | | | 20 | 16 | | |
|------------|---------|--------|----|--------|----|-------|-----|
| 2.) Operat | or's We | Il No. | 52 | 248 | | | |
| 3.) API W | | 47 | - | 49 | | 00713 | 3 |
| | | State | (| County | , | Pern | nit |

STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL & GAS APPLICATION FOR A PERMIT TO PLUG & ABANDON

| | (IF "Gas", Production | / Underground stora | ge/ Waste disposal Deep/ | / ShallowX |
|---|---|----------------------------|--|----------------------|
| 5.) LOCATION: | Elevation:1019.89' | Watershed: | Bartholomew Fork of Buffalo Cr | reek . |
| | District: Mannington | County: Marie | on Quadrangle: Glov | ver Gap 7.5' |
| 6.) WELL OPERA | TOR <u>Consolidation Coal Co.</u> | | 7.) DESIGNATED A | GENT Ronnie Harsh . |
| Address | 1 Bridge St. | - | Address | 1 Bridge St. |
| | Monongah, WV 26554 | | - | Monongah, WV 26554 . |
| 8.) OIL & GAS INS | SPECTOR TO BE NOTIFIED | | 9.) PLUGGING COM | NTRACTOR |
| Name | Sam Ward | | Name | <u> </u> |
| Address | P. O. Box 2327 | | Address | - |
| | Buckhannon, WV 26201 | | _ | |
| | HED WELL RECORDS | | | |
| . Pur | LTUSING | | | |
| · Pur | | Pau 657 | & CASING | |
| · Pur | L TUBING L HOLE REPOINT, CUT & | Pau 657 | 2244 -TO CA | |
| · PUL · GEL · FA® · SE · PLAO | L TUBING L HOLE REPOINT, CUT & | PULL 657 | 2244 -TO CA | The second second |
| · Purc. GELL · Fra. SE. · Place Pit | L TUBING HOLE EPOINT, CUT & T BOTTOM HOLE LE CLA CEMENT | PLUC FROM PLUC FROM | 2244 -TO CA | TO 200' BRLO |
| PULL GEL FRE FRE FRA PLA FROM | L TUBING HOLE REPOJUT, CUT & T BOTTOM HOLE LE CLA CEMENT TESSURGH COME. | POLL 657 PLUC FROM PLUG FR | 2244 -TO CASON ON CASON OCH CASON OCH CONTROLLED SOLID | TO 200' BELO |
| PULL GEL FRE FRE FRA PLA FROM | L TUBING HOLE REPOIDT, CUT & T BOTTOM HOLE LE CLA CEMENT TTSBURGH CONC. THIS POINT RE | POLL 657 PLUC FROM PLUG FR | 2244 -TO CASON ON CASON OCH CASON OCH CONTROLLED SOLID | TO 200' BELO |

EXHIBIT NO.1

From the experience and technology developed since 1970 in plugging oil and gas wells for mining through, Consolidation Coal's Northern West Virginia Operations will utilize one of the following two methods to plug all future wells.

4 1/2 VENT PIPE METHOD

- (a) If active well: clean out to total depth and plug back according to state regulations to a minimum of 200 feet below the lowest minable coal seam.
- (b) If abandoned well: clean out to first plug 200 feet below lowest minable coal seam.
- (c) Run 4 ½ casing from surface to a minimum of 200 feet below lowest minable coal seam and circulate 50/50 poz mix cement followed by expanding cement to surface. The expanding cement shall extend from a minimum of 200 feet below minable coal seam to a point 100 feet above.

The 4 ½ will remain open from surface to a minimum of 80 feet below that minable coal seam.



SOLID PLUG METHOD

- (a) If active well: clean out to total depth and plug back according to state regulations to a minimum of 200 feet below lowest minable coal seam.
- (b) If abandoned well: clean out to first plug 200 feet below lowest minable coal seam.
- (c) Circulate through tubing or drill steel an expanding cement plug from a minimum of 200 feet below minable coal seam to a point 100 feet above minable coal.

Circulate through tubing or drill steel 50/50 poz mix from 100 feet above coal seam to surface.

A monument will be installed with API No. and stating "solid plug".

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| Form 48 - Roy - 1000 1-49 | The state of the s | 049 | 071 | <u>3</u> | Byon Hill | | |
|---------------------------|--|-----------------------------|----------------------|------------------------|-----------------------------|--|--|
| Eo.C. | Le our Bry | WELL I | REC | ORD | Gas Well Irus | | |
| Field West Virginia | Property | J. L. | Ha | vs . | No. Well No. 13 | | |
| Drilled by | | | Date | Started: Completed_ | 3/28/05 5/22/05 Flood No | | |
| Cored by | | | | | | | |
| • | | | | | Total Depth_2870 | | |
| Electric Log by | 4 | | | | Floor to Ground | | |
| | Amount | Sizo | | Weight | Remarks (| | |
| Drive Pipe | | | | | | | |
| Conductor | • | | | | | | |
| Casing | . 355 | | | | Put in well, Aug. 11, | | |
| Casing | 25lili 86lf at 800 | 1 8 _축 11 6-5/ | 8" | | 1939 Set lead sleave | | |
| Tubing | | | | | | | |
| Perforated | .• | · | | | | | |
| Rods | | | | | | | |
| Working Barrel | · : | | Make | · | Size | | |
| A respe | | Туре | | | | | |
| Cement . | Sand | | | | Anchor | | |
| Top Sand | | | Тор | Shot | • | | |
| Bottom Sand | | | Bott | om Shot | | | |
| Break | • • • | | Amount Shot | | | | |
| Top fand | | | Date of Shot DECEWED | | | | |
| Bottom Sand | · . | | Shot | . by | 11.76 1 1978 | | |
| Total Sand | | | | | | | |
| Pocket | | | | ! | OF MINES | | |
| | | Rema | rks: | | | | |

August 29, 1939 December 27, 1939

Cleaned out and tubed.

See original record for 178: or 42 liner and 405: of 5-3/16 liner. HFG.

WELL RECORD.

| | | WELL | RECORD | , · | |
|--------------|--------------|--|------------|-----------------|--|
| Тор | Bottom | Formation and Remarks | Top | Bottom | Formation and Remarks |
| | | Madetown Coal Water | ell 46 | 7 to 3 | 1.00 per foot |
| 628 | | | 1611 HO | | |
| 710 1110 | 1145 | Pittsburgh Little Dunkard | | | |
| 7770 | 1230 | Big Dunkard First Ras Gas Sand Aug. 11. 1 Salt Sand Lead sleet | rental | paid | 2/1/17 |
| 1150 | 1460 | Gas Sand Aug. 11. | 939 Pu | t 864° | of 82" casing in well. |
| 1500 | 1740 | Salt Sand Lead sleet | o on 6 | -5/8" | easing at 800 ft. |
| 1860 | 1890 | Haxon Sand | | | |
| 1934 | 1949 | Little Lime | | · | |
| 1949 | 1955 | Pencil Slate | | | |
| 1955 | SOITO | Big Lime | | | |
| 2010 | 2155 | Indian Sand | | | |
| 2530 | 2580 | Upper thirty foot | } | | |
| 2650 | 2660 2708 | Gantz Sand Fifty foot | } | | |
| 2670 | 2741 | Thirty foot 011 2735 | let. | i | |
| 2720 2758 | 2773 | Stray Sand |)) | | |
| 2758 2638 | 2868 | Gordon Sand Gas in G | ordon 2 | B 53 | |
| | 2870 | Total Depth | · | | |
| | 1 | | | | |
| | <u> </u> | Less 45 | days Ga | \$ \$247 | 150 |
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| INSTRUCTIONS | |
|--|--|
| 1)Attach a photo copy of |] |
| the location of the well on a 7.5 minute Quadrangle with the corresponding | 1 |
| Longitude and Latitude. | - 1 |
| ··2)Designate the location of the well with the symbol(+). | |
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| . 1 | 5 |
| I, the undersigned, Hereby certify that | · · · · · · · · · · · · · · · · · · · |
| this plat is correct to the best of my | |
| this plat is correct to the best of my knowledge and belief. | around the Selfell |
| this plat is correct to the best of my | SIGNED Byron & Hell |
| this plat is correct to the best of my | SIGNED BYSON & Helf TITLE PRESIDENT |
| this plat is correct to the best of my | |
| this plat is correct to the best of my | SIGNED BY SAFETINE STATE DATE MAY 22 , 1905 |
| this plat is correct to the best of my | |
| this plat is correct to the best of my | DATE MAY 22 ,1905 OPERATORS WELL NO. 13 |
| this plat is correct to the best of my knowledge and belief. | DATE <u>NAY 22</u> , 1905 — OPERATORS WELL NO. <u>13</u> API WELL NO. <u>41-049-0</u> 713 — |
| this plat is correct to the best of my | DATE <u>MAY 22</u> , 1905 OPERATORS WELL NO. <u>/3</u> API WELL NO. <u>41-049-0</u> 713 VIRGINIA |
| this plat is correct to the best of my knowledge and belief. | DATE MAY 22 , 1905 OPERATORS WELL NO. 13 API WELL NO. 41-049-0 713 VIRGINIA F ENERGY |
| this plat is correct to the best of my knowledge and belief. STATE OF WEST DEPARTMENT OF OIL AND GAS WELL TYPE: OIL | DATE MAY 22 ,1905 OPERATORS WELL NO. 13 API WELL NO. 41-049-0 713 VIRGINIA F ENERGY DIVISION ON WASTE DISPOSAL |
| this plat is correct to the best of my knowledge and belief. STATE OF WEST DEPARTMENT OF | DATE MAY 22 ,1905 OPERATORS WELL NO. 13 API WELL NO. 41-049-0 713 VIRGINIA F ENERGY DIVISION ON WASTE DISPOSAL |
| this plat is correct to the best of my knowledge and belief. STATE OF WEST DEPARTMENT OF OIL AND GAS WELL TYPE: OIL GAS LIQUID INJECTION STORAGE DEEP JUNCATION: ELEVATION WATER S | DATE MAY 22 ,1905 OPERATORS WELL NO. 13 API WELL NO. 41-049-0 713 VIRGINIA F ENERGY DIVISION ON WASTE DISPOSAL LOO'SHALLOW HED BARTHOLOMEN CREEK |
| this plat is correct to the best of my knowledge and belief. STATE OF WEST DEPARTMENT OF OIL AND GAS OIL AND GAS LIQUID INJECTION STORAGE DEEP LOCATION: ELEVATION WATER S DISTRICT MANNINGTON COU | DATE MAY 22 ,1905 OPERATORS WELL NO. 13 API WELL NO. 41-049-0 713 VIRGINIA F ENERGY DIVISION ON WASTE DISPOSAL LOO'SHALLOW HED BARTHOLOMEN CREEK |
| this plat is correct to the best of my knowledge and belief. STATE OF WEST DEPARTMENT OF OIL AND GAS LIQUID INJECTION STORAGE DEEP LOCATION: ELEVATION WATER S DISTRICT MANNINGTON COU | DATE MAY 22 ,1905 OPERATORS WELL NO. 13 API WELL NO. 41-0-49-0 713 VIRGINIA F ENERGY DIVISION ON WASTE DISPOSAL LOO'SHALLOW HED BORTHOLOMEN CREEK NTY MARION |
| STATE OF WEST DEPARTMENT OF OIL AND GAS WELL TYPE: OIL GAS LIQUID INJECTI (1f "GAS" PRODUCTION STORAGE DEEP DEEP DEEP DEEP DEEP DEEP DEEP DE | DATE MAY 22 ,1905 OPERATORS WELL NO. 13 API WELL NO. 41-0-49-0 713 VIRGINIA F ENERGY DIVISION ON WASTE DISPOSAL LOO SHALLOW HED BORTHOLOMEN CREEK NTY MARION HEAL ETALACREAGE |
| STATE OF WEST DEPARTMENT OF OIL AND GAS WELL TYPE: OIL GAS LIQUID INJECTI (1f "GAS" PRODUCTION STORAGE DEEP STORAGE COU QUADRANGLE SURFACE OWNER JL 4 JACK HAYS (CURTIS N) | DATE MAY 22 ,1905 OPERATORS WELL NO. 13 API WELL NO. 41-0-49-0 713 VIRGINIA F ENERGY DIVISION ON WASTE DISPOSAL LOO SHALLOW HED BORTHOLOMEN CREEK NTY MARION HEAL ETALACREAGE |
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| STATE OF WEST DEPARTMENT OF OIL AND GAS WELL TYPE: OIL GAS LIQUID INJECT! (If "GAS" PRODUCTION STORAGE DEEP 2 LOCATION: ELEVATION WATER S DISTRICT HANNINGTON COU QUADRANGLE SURFACE OWNER JL 4 JACK HAYS (CURTIS NOW) DIL & GAS ROYALTY OWNER HAYS HEIRS LEASE NO. WI-169 | DATE MAY 22 ,1905 OPERATORS WELL NO. 13 API WELL NO. 41-049-0 713 VIRGINIA F ENERGY DIVISION ON WASTE DISPOSAL HED BARTHOLOMEW CREEK NTY MARION HEAL ETALACREAGE LEASE ACREAGE 809 |
| STATE OF WEST DEPARTMENT OF OUL AND GAS WELL TYPE: OIL GAS LIQUID INJECTI (If "GAS" PRODUCTION STORAGE DEEP? LOCATION: ELEVATION WATER S DISTRICT MANNINGTON COU QUADRANGLE SURFACE OWNER JL & JACK HAVS (CURTIS N) DIL & GAS ROYALTY OWNER HAYS (CURTIS N) DEPORTED ON THE COUNTY OWNER HAY S (CURTIS N) DEPORTED ON THE C | DATE MAY 22 ,1905 OPERATORS WELL NO. 13 API WELL NO. 41-0-49-0 713 VIRGINIA F ENERGY DIVISION ON WASTE DISPOSAL AND SHALLOW HED BARTHOLOMEW CREEK NTY MARION HEAL ETALACREAGE LEASE ACREAGE 809 |
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| STATE OF WEST DEPARTMENT OF OIL AND GAS LIQUID INJECTION OIL AND GAS WELL TYPE: OIL GAS LIQUID INJECTION OIL AND GAS LOCATION: ELEVATION WATER S DISTRICT MANNINGTON COU QUADRANGLE SURFACE OWNER JL & JACK HAYS (CURTIS N) OIL & GAS ROYALTY OWNER HAYS (CURTIS N) DISTRICT GAS ON FOIL IN ERODUCING FORMATION GAS-GORDON FOIL IN WELL OPERATOR BAY (S. O) NLAS GAS (O. INC.) WELL OPERATOR BAY (S. O) NLAS GAS (O. INC.) | DATE MAY 22 ,1905 OPERATORS WELL NO. 13 API WELL NO. 41-0-49-0 713 VIRGINIA F ENERGY DIVISION ON WASTE DISPOSAL LEASTHOLOMEN CREEK NTY MARICN LEASE ACREAGE 809 DESIGNATED AGENT BY RONE L. HALL |
| STATE OF WEST DEPARTMENT OF OUL AND GAS WELL TYPE: OIL GAS LIQUID INJECTI (If "GAS" PRODUCTION STORAGE DEEP? LOCATION: ELEVATION WATER S DISTRICT MANNINGTON COU QUADRANGLE SURFACE OWNER JL & JACK HAVS (CURTIS N) DIL & GAS ROYALTY OWNER HAYS (CURTIS N) DEPORTED ON THE COUNTY OWNER HAY S (CURTIS N) DEPORTED ON THE C | DATE MAY 22 ,1905 OPERATORS WELL NO. 13 API WELL NO. 41-049-0 713 VIRGINIA F ENERGY DIVISION ON WASTE DISPOSAL LED BORTHOLOMEN CREEK NTY MARION LEASE ACREAGE 809 DESIGNATED AGENT BYRON: 1. HALL ADDRESS R. 4- BOXIU |

FORM WW-4(A) Revised 6-07

| Date: _ | Decemb | er 13, 2 | 016 | |
|-----------------------------|------------|----------|--------|--|
| 2) Operato | r's Well N | No. 524 | 48 | |
| 3) API We | ell No. 47 | 7 – 49 - | 00713 | |
| 1111111 | State | e County | Permit | |

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 Jeffrey H. Michael Address P. O. Box 221 | Name <u>CONSOLIDATION COAL CO.</u> Address 1 Bridge St. |
| Mannington WV 26582 | Monongah, WV 26554 |
| (b) Name | (b) COAL OWNER(S) WITH DECLARATION: |
| Address | Name Address |
| (c) Name | |
| Address | (c) COAL LESSEE WITH DECLARATION: |
| (6) INSPECTOR | Name |
| Address | Address |
| Telephone | |
| TO THE PERSON(S) NAMED ABOVE: Y | You should have received this Form and the following documents: |
| (1) The Application to Plug and Abandon a We | ll on form WW-4B, which sets out the |
| parties involved in the work, and describes t | he well and its location and the plugging |
| work order; and (2) The Plat (surveyor's map) showing the well | location on Form WW-6. |
| | TO THAT YOU HAVE DIGHTS DECADDING THE ADDI ICATION |
| WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" | IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION R, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL. |
| Virginia Department of Environmental Protection, with respon the attached From WW-6. Copies of this Notice, the App | to plug and abandon a well with the Chief of the Office of Oil and Gas, West eet to the well at the location described on the attached Application and depicted olication, and the plat have been mailed by registered or certified mail or delivery by ain circumstances) on or before the day of mailing or delivery by the Chief. |
| | WELL OPERATOR Consolidation Coal Company |
| | By Ronnie Harsh |
| | Address 1 Bridge St. |
| | Monongah, West Virginia 26554 |
| ROLL | Telephone (304) – 534 (4/738) of Oil and Gas |
| Formi Nand | DEC 1 9 7010 |
| Subscribed and sworn before me this 13th day of Decem | xber ,20/6 |
| Subscribed and sworn before the this 100 and of 100 and 100 an | OFFICIAL SEAL |
| (Sanet Or Viening | Notally Fall PLANET L LIEVING |
| Marion County, State of Wes | to Tinginia 199 Broad (M. Avenue Fairmont, WV 26554 |
| My commission expires /3, 2024 | My commission expires June 13, 2024 |
| Oil and Gas Privacy Notice | |
| personal information may be disclosed to other State agencies | ion, such as name, address and phone number, as a part of our regulatory duties. Your es or third parties in the normal course of business or as needed to comply with statutory or Act requests. Our office will appropriately secure your personal information. If you have any |
| questions about our use of your personal information, please | contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov. |

WW-9 Rev. 5/08

| P | age | | of | |
|---------------------|------|----|-------|--|
| API Number 47 - | 049 | Ε. | 00713 | |
| Operator's Well No. | 5248 | | | |

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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

| Operator Name | Consolidation Co | al Company | | OP 0 | Code | | |
|---|---|---|--|---|---|--|---|
| Watershed Ba | rtholomew Fork of | Buffalo Creek | | Quadrangle | Glover Gar | | |
| Elevation | 1019.89 | County | Marion | D | istrict Man | nington | |
| Description of | anticipated Pit Waste | :N/A | | | | | _ |
| Do you anticipa | ate using more than 5 | ,000 bbls of water | to complete the | e proposed well wor | rk? Yes | No | <u>x</u> |
| Will a synthetic | c liner be used in the | pit? N/A | If | f so, what mil.? | - | | |
| Proposed Dispo | osal Method For Trea | | | | | | |
| | Land App | ncation | 3 D 1/31 1 | | | | |
| | Undergro | | | r | | | |
| | Reuse (at | API Number | WWW O.C | P. 11 | | _ |) |
| | | | | lisposal location) | | | |
| | XOther (I | xplain Tanks | , see attached lo | etter | | | |
| | m anticipated for this | | | | | | |
| | based, what type? Sy | | | | | | |
| Additives to be | used? Benton | ite, Bicarbonate | of Soda | | | | |
| | t in pit and plan to so fill or offsite name/po | | | | | | |
| on August 1, 20 provisions of the law or regulation of the law or regulation for application for obtaining the inpenalties for su | fy that I understand a 005, by the Office of the permit are enforced on can lead to enforce if y under penalty of the mand all attachme information, I believe abmitting false information. | Oil and Gas of the cable by law. Vice ment action. law that I have puts thereto and the that the information, including the | e West Virginia plations of any to personally example that, based on ration is true, ac | Department of Environment of Environment of Condition of | ironmental Prot f the general pe iar with the in the individuals in ete. I am awa | tection. I usermit and/ormation immediatel | inderstand that the or other applicable submitted on the y responsible for |
| Company Offic | ciai Signature | V 0 / / | 7 /100 | 7 | | | |
| Company Offic | cial (Typed Name)_ | Ronnie Ha | rsh | | Dr | | |
| Company Offic | cial Title | Project E | ngineer | | Office | CEIVE | D |
| | | | | | | oll and | Gas |
| Subscribed and | l sworn before me thi | 13# | day of | comber | 20/6 | 1 9 2016 | ĵ. |
| | Vanet (| L. Rie | uing | 1 | Notary Public | | CIAL SEAL |
| My commission | nexpires O | (120) /3 | 2024 | | | Notary Public, JANET | State of West Virginia L LIEVING |
| | enpires | 10, | ., | | Transition of the second | | nt, WV 26554 n expires June 13, 2024 |

Consolidation Coal Company Northern West Virginia Operations 1 Bridge Street Monongah, WV 26554

phone: 304-534-4748 fax: 304-534-4739

e-mail: ronnieharsh@consolenergy.com

web: www.contsource.com

*Name: RONNIE HARSH *title: Project Engineer

April. 7, 2014

Department of Environmental Protection Office of Oil and Gas 601 57th Street, SE Charleston, WV 25304-2345 Phone: (304) 926-0499 Far: (304) 926-0452

To Whom It May Concern:

As per the Department of Environmental Protection, Office of Oil and Gas request, Consolidation Coal Company, Northern West Virginia Operations, submits the following procedures utilizing pit waste.

Upon submitting a well work application (without general permit for Oil and Gas Pit Waste Discharge Application), Consolidation Coal Company, Northern West Virginia Operations, will construct no pits, but instead will use mud tanks to contain all drilling muds.

Once the well is completed, that material (minus the cave material) will be trucked to the next well to be plugged or to DEP impoundment facilities number U-78-83, U-104-83, or U-1011-93.

Sincerely,

Ronnie Harsh Project Engineer

Roman Wand

Office of Oil and Gas

DEC 1 9 2016

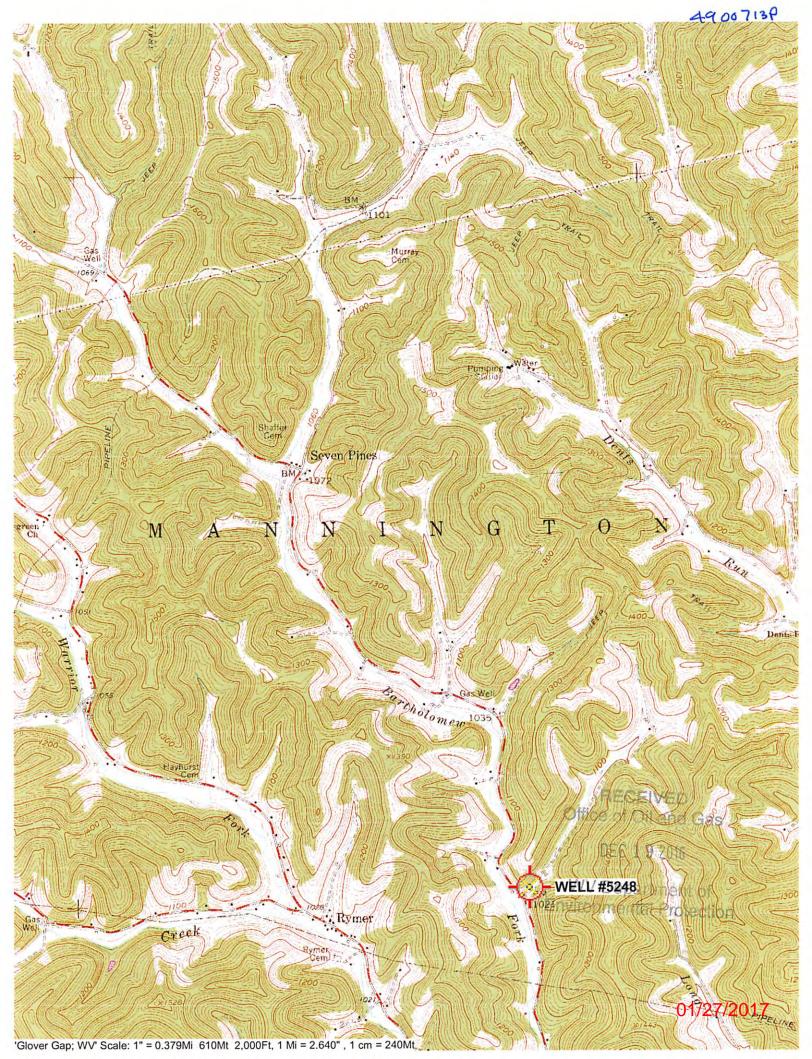
WV Department of Environmental Protection

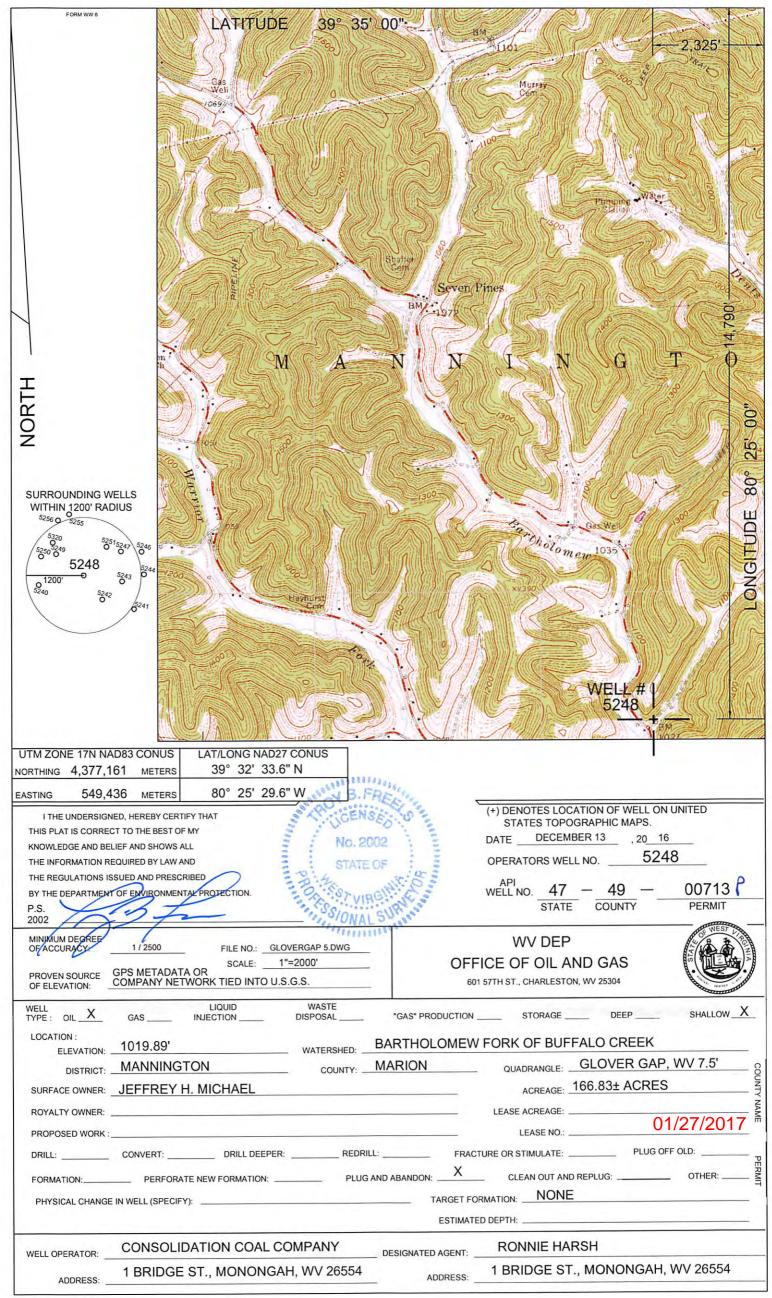


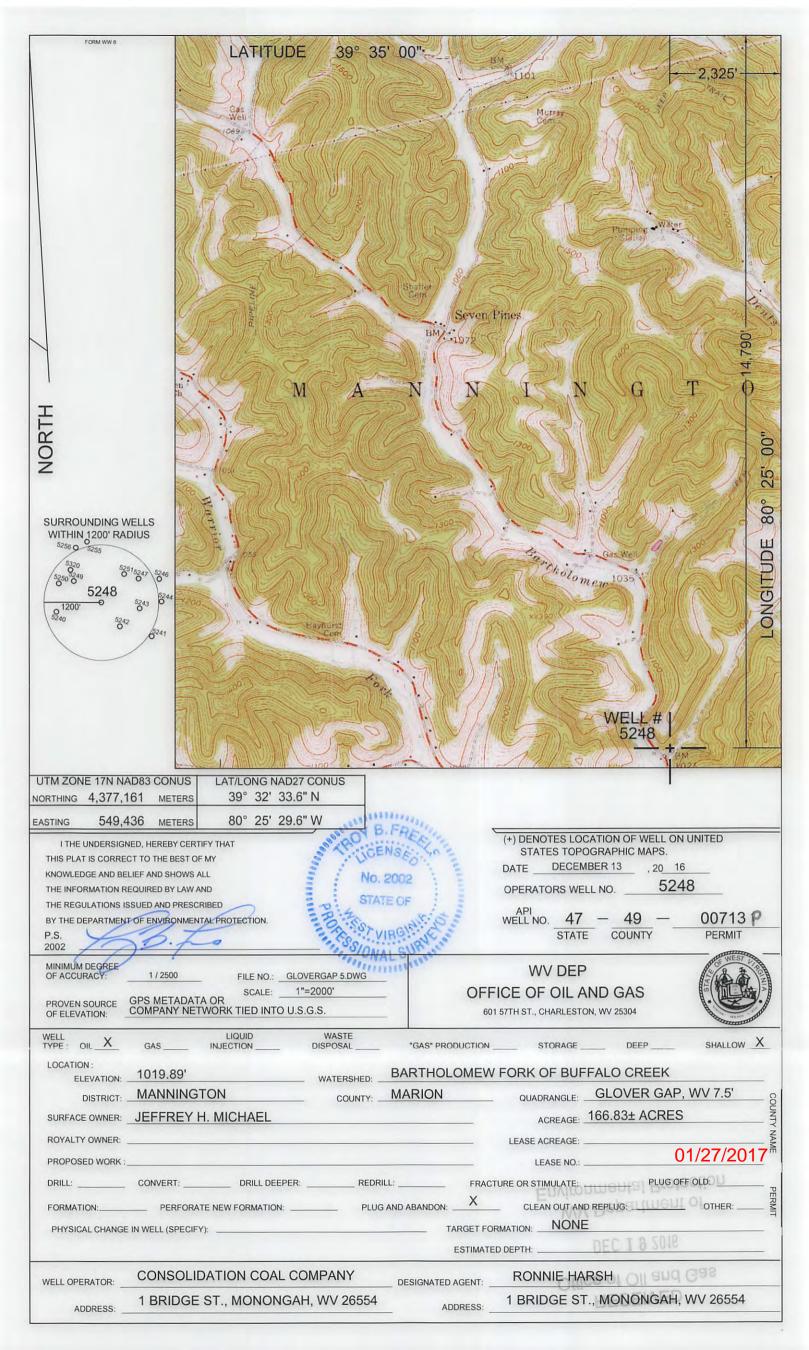
West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

| API: 47-049- 00713 | WELL NO.: 5248 |
|---|--|
| FARM NAME: J. L. & A. J. Hays | |
| RESPONSIBLE PARTY NAME: Co | nsolidation Coal Company |
| COUNTY: Marion | DISTRICT: Mannington |
| QUADRANGLE: Glover Gap | |
| SURFACE OWNER:Jeffrey H. M | Michael |
| ROYALTY OWNER: | |
| UTM GPS NORTHING: 4,377,16 | 1 m |
| UTM GPS EASTING: 549,436 m | GPS ELEVATION: 311 m |
| the following requirements: | neters essed Differential |
| Mapping Grade GPS X: Post I | Processed Differential X Office of Oil and Gas |
| 4. Letter size copy of the topo I the undersigned, hereby certify this da | ography map showing the well location. 2016 atta is correct to the best of my knowledge and quired by law and the regulations issued and |
| 434 | Professional Surveyor |
| Signature | Title |
| December 13, 2016 | |
| Date | 0.4 |









Office of Oil and Gas

DEC 1 9 2016

WV Department of
Environmental Protection