



west virginia department of environmental protection

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

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

Friday, April 07, 2017  
WELL WORK PERMIT  
Vertical / Plugging

CONSOLIDATION COAL COMPANY (A)  
1 BRIDGE STREET

MONONGAH, WV 265540000

Re: Permit approval for WEST 1  
47-049-00834-00-00

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: WEST 1  
Farm Name: WEST, JOHN  
U.S. WELL NUMBER: 47-049-00834-00-00  
Vertical / Plugging  
Date Issued: 4/7/2017

Promoting a healthy environment.

04/07/2017

## 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: February 20, 20 17  
2.) Operator's Well No. 7072  
3.) API Well No. 47 - 49 - 00834  
State County Permit

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

4.) WELL TYPE: Oil \_\_\_\_\_ / Gas X / Liquid injection \_\_\_\_\_ / Waste disposal \_\_\_\_\_ /  
(IF "Gas", Production \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X)  
5.) LOCATION: Elevation: 1034.67' Watershed: Price Run of Buffalo Creek  
District: Mannington County: Marion Quadrangle: Glover Gap 7.5'  
6.) WELL OPERATOR Consolidation Coal Co. 7.) DESIGNATED AGENT Ronnie Harsh  
Address 1 Bridge St. Address 1 Bridge St.  
Monongah, WV 26554 Monongah, WV 26554  
8.) OIL & GAS INSPECTOR TO BE NOTIFIED 9.) PLUGGING CONTRACTOR  
Name Sam Ward Name \_\_\_\_\_  
Address P. O. Box 2327 Address \_\_\_\_\_  
Buckhannon, WV 26201

10.) WORK ORDER: The work order for the manner of plugging this well is as follows:

SEE EXHIBIT NO. 1

SOLIO PLUG METHOD FOR AN ACTIVE WELL  
SEE  
MSHA 101 C PETITION FOR MODIFICATION

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

OK JWM

Work order approved by inspector \_\_\_\_\_ Date \_\_\_\_\_

RECEIVED  
Office of Oil and Gas  
FEB 27 2017  
WV Department of  
Environmental Protection



## 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 ½ 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.

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See Attached Exhibit NO. 2

Class A Cement

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".

## EXHIBIT NO. 2

- After cleaning well to PBTD of approximately 2957', set a Class A Cement plug from PBTD (2957') to 2500', covering perforations from 2812' – 2916', 2650' – 2719' and 2570' – 2616'.
- Pull work string up and wait on cement (WOC) at least 4 hours. Tag cement top and add to make sure TOC is at least 2500'.
- Gel hole from 2500' - 2000'. Set a Class A Cement plug from 2000' – 1800', to cover perforations from 1967' – 1988'. Trip out of hole (TOOH).
- Free point 4 1/2 " casing. Cut and TOOH with 4 1/2" casing. (Cut at ~ 1500')
- Add gel to above 1500' (cut) and Cement with Class A cement from 1600' – 805', which should be 200' below the coal seam noted at 595' – 605' on the Completion Report.
- From this point apply MSHA 101C Exemption Methods to surface.
- Set Monument per 35CSR4 5.5b included with this document.

## WV STATE CODE APPROVED PLUGGING MATERIALS

- Class A Cement with no more than 3% CaCl<sub>2</sub> and no other additives.
- Expanding Cement to Cover Coal.
- Gel, the definition of which is a mixture of fresh water and bentonite, minimum bentonite content is 6% by weight.
- Entire well bore must be filled with the above-referenced materials.

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should contain the name, address and telephone number of the person filing the comment, the well operator's name and well number, and the approximate location of the proposed well site including district and county as indicated in the permit application. Comments may be accompanied by other pertinent documents in support of the comment. Other than as prescribed in this rule, no particular form for the comment is prescribed.

#### 5.5. Identification Markings.

5.5.a. Every well shall have attached or stamped, in a permanent manner, the API identification number which consists of the state (47), county (001 through 109), and permit number. Such number shall be no less than one-half (1/2) inch in height and detectable by any interested person approaching the well. Any additional information the well operator may desire to display may be incorporated in the permanent identification plat or stamp in such a manner that it will not confuse or distort the permanent API identification number.

5.5.b. Except as provided below, upon the completion of the plugging and filling of any abandoned well, a permanent monument or marker consisting of a length of pipe (minimum diameter size six (6) inches) filled with concrete (or the equivalent thereof if approved by the Chief) shall be erected over the well; the marker shall extend no less than thirty (30) inches above the surface and not less than ten (10) feet below the surface and into the well, and shall be sealed with concrete for the purpose of making the marker permanent. The API well identification number which consists of the state (47), county (001 through 109), and permit number shall be attached or stamped in a permanent manner to said monument; and such numbering shall be no less than one half (1/2) inch in height and detectable by any interested person approaching the marker. The erection of the marker shall in no way interfere with the bleeder pipe from the well where such pipe is required, or the vent or other device installed pursuant to W. Va. Code § 22-6-24. Such manner shall be accurately described on Form WR-38, "Affidavit of Plugging and Filling Well" (see subsection 13.10 below) as to time and manner of plugging and filling the well, and shall be approved by the Chief as a satisfactory landmark that may be used as such in the location of adjacent wells. Two (2) permanent reference points with courses and distances from the abandoned well shall be designated and prescribed on the plat required by subdivision 5.2.d above in the form prescribed by section 9 below, accompanying Form WW-4, "Notice of Intention to Plug and Abandon a Well," if any change in the plat is necessary, accompanying Form IV-38, "Affidavit of Plugging and Filling Well" (see subsection 13.10 below).

5.6. Parties Responsible. All contractors and drillers, including all service companies carrying on business or doing work in oil and gas fields in West Virginia, as well as lease holders and operators generally, shall take notice of and are hereby directed to observe and apply the provisions of W. Va. Code § 22-6 and this rule; and all contractors, drillers, service companies and operators shall be held responsible for violations thereof.

#### 5.7. Evidence of Performance.

5.7.a. After the completion of the work authorized to be done by any permit required by W. Va. Code § 22-6-6, the permittee shall comply with filing requirements of W. Va. Code § 22-6-22 and section 12 of this rule.

5.7.b. In addition to the requirements of subdivision 5.7.a, following completion of plugging a well, the permittee shall also comply with the affidavit requirements of W. Va. Code § 22-6-23 and subsection 13.10 below.





JUL 13 2001

MSHA 101C

In the matter of  
Consolidation Coal Company  
Robinson Run No. 95  
I.D. No. 46-01318

Petition for Modification

Docket No. M-2001-015-C

PROPOSED DECISION AND ORDER

On February 6, 2001, a petition was filed seeking a modification of the application of 30 CFR 75.1700 to Petitioner's Robinson Run No. 95 Mine. The Petitioner alleges that the alternative method outlined in the petition will at all times guarantee no less than the same measure of protection afforded by the standard.

The alternative method proposed by the petitioner is similar to that approved under similar petitions for modification with the exception of certain terms and conditions. Specifically, the District Manager has the authority to allow mining within 300 feet without plugging, and to accept wells cleaned and plugged prior to the effective date of this Order if the plugging methods are documented and meet the terms and conditions of this Order.

MSHA personnel conducted an investigation of the petition and filed a report of their findings and recommendations with the Administrator for Coal Mine Safety and Health. After a careful review of the entire record, including the petition and MSHA's investigative report and recommendation, this Proposed Decision and Order (PDO) is issued.

Finding of Fact and Conclusion of Law

The alternative method proposed by the Petitioner (as amended by MSHA) will at all times guarantee no less than the same measure of protection afforded the miners under 30 CFR 75.1700.

The petitioner reports that more than 550 oil and gas wells have been plugged and more than 475 plugged wells have been successfully mined through since the company first received modifications to the application of the standard at several of its other mines. Further, the petitioner adopted the special terms and condition MSHA imposed in Docket No. M-1990-066-C for the Shoemaker Mine. The petitioner plans to clean out and plug all wells including those with existing plugging affidavits, prior to mining through.



Typically, the wells are less than 2000 feet deep. The Robinson Run No. 95 Mine is extracting coal on the Pittsburgh Coal Seam. There are old workings on the coal seams above, and coal seams which are greater than 24 inches thick both above and below the current mine workings at various locations. Generally, the Pittsburgh Coal Seam is 200 to 700 feet from the surface depending upon the topography. The majority of the wells which will be plugged were drilled before 1930 prior to enactment of any drilling or plugging standards. Also, many of the well were abandoned before federal or state regulations became effective.

Unless the existing records show that an abandoned well was plugged using techniques equivalent to this proposed decision and order's terms and condition, and that information is submitted and accepted in accordance with Paragraph 2(s) as providing the required level of safety by the District Manager, the well shall be again cleaned, inadequate plugging materials drilled out and the well plugged in accordance with the terms and conditions of this proposed decision and order before such wells may be cut through or approached within the allowed limits. The summary information provided by the petition suggests that special attention to securing and interpreting the suite of drill logs required by Paragraph 1(a)(4) is needed to ensure that, at a minimum, the expanding cement plug extends from at least 200 feet below the lowest minable seam through 100 feet above the highest minable seam, unless the seams are separated by an interval greater than 300 feet, in which case each seam may be plugged individually.

On the basis of the petition and the findings of MSHA's investigation, Consolidation Coal Company is granted a modification of the application of 30 CFR 75.1700 to its Robinson Run No. 95 Mine. The mine is currently plugging and cutting through oil and gas wells using the special terms and conditions granted in the Proposed Decision and Order for Docket No. M-1979-261-C finalized August 18, 1980. This PDO will supercede the terms and conditions of that Order when it becomes effective.

#### ORDER

Wherefore, pursuant to the authority delegated by the Secretary of Labor to the Administrator for Coal Mine Safety and Health, and pursuant to Section 101(c) of the Federal Mine Safety and Health Act of 1977, 30 U.S.C., sec. 811(c), it is ordered that Consolidation Coal Company's Petition for Modification of the application of 30 CFR 75.1700 at the Robinson Run No. 95 Mine is hereby:

GRANTED, for mining through or near (whenever the safety barrier diameter is reduced to a distance less than the District Manager would approve pursuant to Section 75.1700) plugged oil or gas wells penetrating the Pittsburgh seam and other minable coal seams, conditioned upon compliance with the following terms and conditions:

1. Procedures to be utilized when plugging oil or gas wells.
  - a. Cleaning out and preparing oil and gas wells.

Prior to plugging an oil or gas well, the following procedure shall be followed:

    - (1) A diligent effort shall be made to clean the borehole to the original total depth. If this depth cannot be reached, the borehole shall be cleaned out to a depth which would permit the placement of at least 200 feet of expanding cement below the base of the lowest minable coal bed.
    - (2) When cleaning the borehole, a diligent effort shall be made to remove all the casing in the borehole. If it is not possible to remove all casing, the casing which remains shall be perforated, or ripped, at intervals spaced close enough to permit expanding cement slurry to infiltrate the annulus between the casing and the borehole wall for a distance of at least 200 feet below the base of the lowest minable coal bed.
    - (3) If the cleaned-out borehole produces gas, a mechanical bridge plug shall be placed in the borehole in a competent stratum at least 200 feet below the base of the lowest minable coal bed, but above the top of the uppermost hydrocarbon-producing stratum. If it is not possible to set a mechanical bridge plug, a substantial brush plug may be used in place of the mechanical bridge plug.
    - (4) A suite of logs shall be made consisting of a caliper survey, directional deviation survey, and log(s) suitable for determining the top and bottom of the lowest minable coal bed and

potential hydrocarbon producing strata and the location for the bridge plug.

- (5) If the uppermost hydrocarbon-producing stratum is within 200 feet of the base of the lowest minable coal bed, properly placed mechanical bridge plugs or a suitable brush plug described in Subparagraph (a)(3) shall be used to isolate the hydrocarbon producing stratum from the expanding cement plug. Nevertheless, a minimum of 200 feet of expanding cement shall be placed below the lowest minable coal bed.
  - (6) The wellbore shall be completely filled and circulated with a gel that inhibits any flow of gas, supports the walls of the borehole, and increases the density of the expanding cement. This gel shall be pumped through open-end tubing run to a point approximately 20 feet above the bottom of the cleaned out area of the borehole or bridge plug.
- b. Plugging oil or gas wells to the surface. The following procedures shall be utilized when plugging gas or oil wells to the surface:
- (1) A cement plug shall be set in the wellbore by pumping an expanding cement slurry down the tubing to displace the gel and fill the borehole to the surface. (As an alternative, the cement slurry may be pumped down the tubing so that the borehole is filled with Portland cement or a Portland cement-fly ash mixture from a point approximately 100 feet above the top of the lowest minable coal bed to the surface with an expanding cement plug extending from at least 200 feet below the lowest minable coal bed to the bottom of the Portland cement.) There shall be at least 200 feet of expanding cement below the base of the lowest minable coal bed.
  - (2) A small quantity of steel turnings, or other small magnetic particles, shall be embedded in the top of the cement near the surface to serve as a permanent magnetic monument of the borehole.



- c. Plugging oil or gas wells using the vent pipe method. The following procedures shall be utilized when using the vent pipe method for plugging oil and gas wells:
- (1) A 4½-inch or larger vent pipe shall be run into the wellbore to a depth of 100 feet below the lowest minable coal bed and swedged to a smaller diameter pipe, if desired, which will extend to a point approximately 20 feet above the bottom of the cleaned out area of the borehole or bridge plug.
  - (2) A cement plug shall be set in the wellbore by pumping an expanding cement slurry, Portland cement, or a Portland cement-fly ash mixture down the tubing to displace the gel so that the borehole is filled with cement. The borehole and the vent pipe shall be filled with expanding cement for a minimum of 200 feet below the base of the lowest minable coal bed. The top of the expanding cement shall extend upward to a point approximately 100 feet above the top of the lowest minable coal bed.
  - (3) All fluid shall be evacuated from the vent pipe to facilitate testing for gases. During the evacuation of fluid, the expanding cement shall not be disturbed.
  - (4) The top of the vent pipe shall be protected to prevent liquids or solids from entering the wellbore, but permit ready access to the full internal diameter of the vent pipe when necessary.
- d. Plugging oil and gas wells for use as degasification boreholes. The following procedures shall be utilized when plugging oil or gas wells for subsequent use as degasification boreholes:
- (1) A cement plug shall be set in the wellbore by pumping an expanding cement slurry down the tubing to displace the gel and provide at least 200 feet of expanding cement below the lowest minable coal bed. The top of the

expanding cement shall extend upward to a point above the top of the coal bed being mined. This distance shall be based on the average height of the roof strata breakage for the mine.

- (2) To facilitate methane drainage, degasification casing of suitable diameter, slotted or perforated throughout its lower 150 to 200 feet, shall be set in the borehole to a point 10 to 30 feet above the top of the expanding cement.
  - (3) The annulus between the degasification casing and the borehole wall shall be cemented from a point immediately above the slots or perforations to the surface.
  - (4) The degasification casing shall be cleaned out for its total length.
  - (5) The top of the degasification casing shall be fitted with a wellhead equipped as required by the District Manager. Such equipment may include check valves, shut-in valves, sampling port, flame arrestor equipment, and security fencing.
2. The following cut-through procedures (a-t) apply whenever the petitioner reduces the safety barrier diameter to a distance less than the District Manager would approve pursuant to Section 75.1700 or proceeds with an intent to cut through a plugged well:
- a. Prior to reducing the safety barrier to a distance less than the District Manager would approve pursuant to Section 75.1700 or proceeding with an intent to cut through a plugged well, the operator shall notify the District Manager or his designee.
  - b. The MSHA District Manager or designee may conduct a conference prior to mining through any plugged well to review and approve the specific procedures for mining through the well. Representatives of the operator, the representative of the miners, and the appropriate State agency shall be informed, within a reasonable time prior to the conference, and be given an opportunity to attend

and participate. This meeting may be called by the operator.

- c. Mining in close proximity to or through a plugged well shall be done on a shift approved by the District Manager or designee.
- d. The District Manager or designee, representative of the miners, and the appropriate State agency shall be notified by the operator in sufficient time prior to the mining through operation in order to have an opportunity to have representatives present.
- e. When using continuous mining equipment, drivage sights shall be installed at the last open crosscut near the place to be mined to ensure intersection of the well. The drivage sites shall not be more than 50 feet from the well. When using long-wall mining methods, drivage sights shall be installed on 10-foot centers for a distance of 50 feet in advance of the well bore. The drivage sights shall be installed in the headgate and tailgate.
- f. Firefighting equipment, including fire extinguishers, rock dust, and sufficient fire hose to reach the working face area of the mining through shall be available when either the conventional or continuous mining method is used. The fire hose shall be located in the last open crosscut of the entry or room. All fire hoses shall be ready for operation during the mining through.
- g. Sufficient supplies of roof support and ventilation materials shall be available and located at the last open crosscut. In addition, an emergency plug and/or plugs shall be available in the immediate area of the cut through.
- h. The quantity of air required by the approved mine ventilation plan, but not less than 6,000 cubic feet of air per minute for scrubber equipped continuous miners or not less than 9,000 cubic feet per minute for continuous miner sections using auxiliary fans or line brattice only, shall be used to ventilate the working face during the mining through operation. The quantity of air



required by the ventilation plan, but not less than 30,000 cfm, shall reach the working face of each future longwall during the mine-through operation.

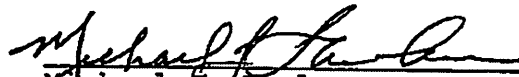
- i. Equipment shall be checked for permissibility and serviced on the shift prior to mining through the well.
- j. The methane monitor(s) on the continuous mining machine or the longwall shear and face shall be calibrated on the shift prior to mining through the well.
- k. When mining is in progress, tests for methane shall be made with a hand-held methane detector at least every 10 minutes from the time that mining with the continuous mining machine is within 30 feet of the well until the well is intersected and immediately prior to mining through. When mining with longwall mining equipment, the tests for methane shall be made at least every 10 minutes when the longwall face is within 10 feet of the well. During the actual cutting through process, no individual shall be allowed on the return side until mining through has been completed and the area has been examined and declared safe.
- l. When using continuous mining methods, the working place shall be free from accumulations of coal dust and coal spillages, and rock dust shall be placed on the roof, rib and floor to within 20 feet of the face when mining through or near the well on the shift or shifts during which the cut through will occur. On longwall sections rock dusting shall be conducted and placed on the roof, rib, and floor up to both headgate and tailgate gob.
- m. When the wellbore is intersected, all equipment shall be deenergized and the place thoroughly examined and determined safe before mining is resumed. Any well casing shall be removed and no open flame shall be permitted in the area until adequate ventilation has been established around the wellbore.

- n. After a well has been intersected and the working place determined safe, mining shall continue in by the well a sufficient distance to permit adequate ventilation around the area of the wellbore.
- o. No person shall be permitted in the area of the mining through operation except those actually engaged in the operation, company personnel, representatives of the miners, personnel from MSHA, and personnel from the appropriate State agency.
- p. The mining through operation shall be under the direct supervision of a certified official. Instructions concerning the mining through operation shall be issued only by the certified official in charge.
- q. MSHA personnel may interrupt or halt the mining through operation when it is necessary for the safety of the miners.
- r. A copy of the petition shall be maintained at the mine and be available to the miners.
- s. The Petitioner shall file a plugging affidavit setting forth the persons who participated in the work, a description of the plugging work, and a certification by the Petitioner that the well has been plugged as described.
- t. Within 60 days after this PDO becomes final, the Petitioner shall submit proposed revisions for its approved 30 CFR Part 48 training plan to the Coal Mine Safety and Health District Manager. These proposed revisions shall include initial and refresher training regarding compliance with the terms and conditions stated in the PDO.

Any party to this action desiring a hearing on this matter must file in accordance with 30 CFR 44.14, within 30 days. The request for hearing must be filed with the Administrator for Coal Mine Safety and Health, 4015 Wilson Boulevard, Arlington, Virginia 22203.

If a hearing is requested, the request shall contain a concise summary of position on the issues of fact or law desired to be raised by the party requesting the hearing, including specific

objections to the proposed decision. A party other than Petitioner who has requested a hearing shall also comment upon all issues of fact or law presented in the petition, and any party to this action requesting a hearing may indicate a desired hearing site. If no request for a hearing is filed within 30 days after service thereof, the Decision and Order will become final and must be posted by the operator on the mine bulletin board at the mine.



Michael U. Lawless  
Deputy Administrator  
for Coal Mine Safety and Health



Certificate of Service

I hereby certify that a copy of this proposed decision was served personally or mailed, postage prepaid, this 13<sup>th</sup> day of July, 2001 to:

Robert M. Vukas, Esq.  
CONSOL, Inc.  
Consol Plaza  
1800 Washington Road  
Pittsburgh, Pennsylvania 15241-1421

Addressee of Record  
Mr. James Siko, Superintendent  
Consolidation Coal Company  
Robinson Run No. 95  
RT. 2, Box 152  
Mannington, West Virginia 26582

Ms. Joyce A. Hanula  
United Mine Workers  
of America  
8315 Lee Highway  
Fairfax, Virginia 22031-2215

Susan Y. Lee  
SUSAN Y. LEE  
Mine Safety and Health Technician

cc: Mr. Ronald L. Harris

COMPLETION  
REPORT

4900834P



MR-35

**RECEIVED**  
JUL 21 1987

State of West Virginia

Date 1/28/87  
Operator's  
Well No. West #1  
Farm John West  
API No. 47-049-0834

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY  
Oil and Gas Division

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil  / Gas  / Liquid Injection  / Waste Disposal   
(If "Gas," Production  / Underground Storage  / Deep  / Shallow )  
LOCATION: Elevation: 1035' Watershed Buffalo Creek  
District: Mannington County Marion Quadrangle Glover Gap 7.5'

COMPANY C&M Coal Company  
ADDRESS P.O. Box 569, Clarksburg, WV 26301  
DESIGNATED AGENT William M. Compton  
ADDRESS same  
SURFACE OWNER John A. West  
ADDRESS Rt. 1, Box 31, Mannington, WV 26582  
MINERAL RIGHTS OWNER John A. West  
ADDRESS same  
OIL AND GAS INSPECTOR FOR THIS WORK Donald Ellis  
2604 Crab Apple Lane  
Fairmont, WV 26554  
PERMIT ISSUED 11/20/86  
DRILLING COMMENCED 12/3/86  
DRILLING COMPLETED 12/8/86  
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CA

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	20'		
13-10"		200'	95 sks.
9 5/8			
8 5/8		1892'	235 sks.
7			
5 1/2			
4 1/2		2997'	270 sks.
3			
2			
Liners used			

CS 11 3/4" CTS  
TOC @ 785'  
TOC @ 1500'

GEOLOGICAL TARGET FORMATION Fifth Sand Depth 3000. feet  
Depth of completed well 3008 feet Rotary  / Cable Tools   
Water strata depth: Fresh 35,220 feet; Salt None feet  
Coal seam depths: 82', 336', 595' Is coal being mined in the area? yes

OPEN FLOW DATA  
Producing formation 4th Sand, Gordon, Gordon Stray Pay zone depth 2700'-2900' feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in  
(If applicable due to multiple completion--)  
Second producing formation Thirty Foot, Fifty Foot, Big Injun Pay zone depth 1960'-2670' feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 1,347 Mcf/d Oil: Final open flow show \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure 675 psig (surface measurement) after 72 hours shut in

(Signature)



**COMPLETION  
REPORT**

4900834P

**DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.**

- Stage #1** - Gordon-Fourth Sand - 21 holes-2812'-2916', 620 bbl. 75% N<sub>2</sub> foam, 39,812# 20/40 sand, 500 gal. 15% HCL, Breakdown: 3400 psi, Treating pressure: 3500 psi, ISIP: 3300 psi
- Stage #2** - Thirty Foot-Gordon Stray - 20 holes-2650'-2719', 680 bbl. 75% N<sub>2</sub> foam, 45,000# 20/40 sand, 500 gal. 15% HCL, Breakdown: 3800 psi, Treating pressure: 3500 psi, ISIP: 3200 psi
- Stage #3** - Fifty Foot - 15 holes-2570'-2616', 422 bbl. 75% N<sub>2</sub> foam, 24,125# 20/40 sand, 500 gal. 15% HCL, Breakdown: 3500 psi, Treating pressure: 3600 psi, ISIP: 4000 psi
- Stage #4** - Big Injun - 17 holes-1967'-1988', 799 bbl. 75% N<sub>2</sub> foam, 50,000# 20/40 sand, 1000 gal. 15% HCL, Breakdown: 2300 psi, Treating pressure: 2600 psi, ISIP: 2400 psi

**WELL LOG**

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
<u>Driller's Tops</u>					
Clay			0	5	
Shale			5	30	
Sand			30	71	1" stream fresh H <sub>2</sub> O @ 35'
Shale			71	82	
Coal			82	88	
Sand			88	149	
Shale			149	175	
Sand			175	200	
Shale			200	230	1" stream fresh H <sub>2</sub> O @ 220'
Sand & Shale			230	336	
Coal			336	340	
Sand & Shale			340	595	
Coal			595	605	
Sand & Shale			605	1370	
Sand			1370	1416	
Sand & Shale			1416	1612	Hole damp @ 1444' ... SW
Sand			1612	1684	
Shale			1654	1856	
<u>Electric Log Tops</u>					
Little Lime			1871	1878	
Pencil Cave			1878	1883	
Big Lime			1888	1910	
Big Injun			1966	2095	
Fifty Foot			2570	2620	
Thirty Foot			2645	2677	
Gordon Stray			2702	2740	Chk. gas @ 2663'-40/10" with H <sub>2</sub> O
Gordon			2794	2855	
Fourth Sand			2882	2918	
T.D.				3008'	

**RECEIVED**  
JUL 21 1987

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

B&W Coal Company  
Well Operator

By: William M. Long

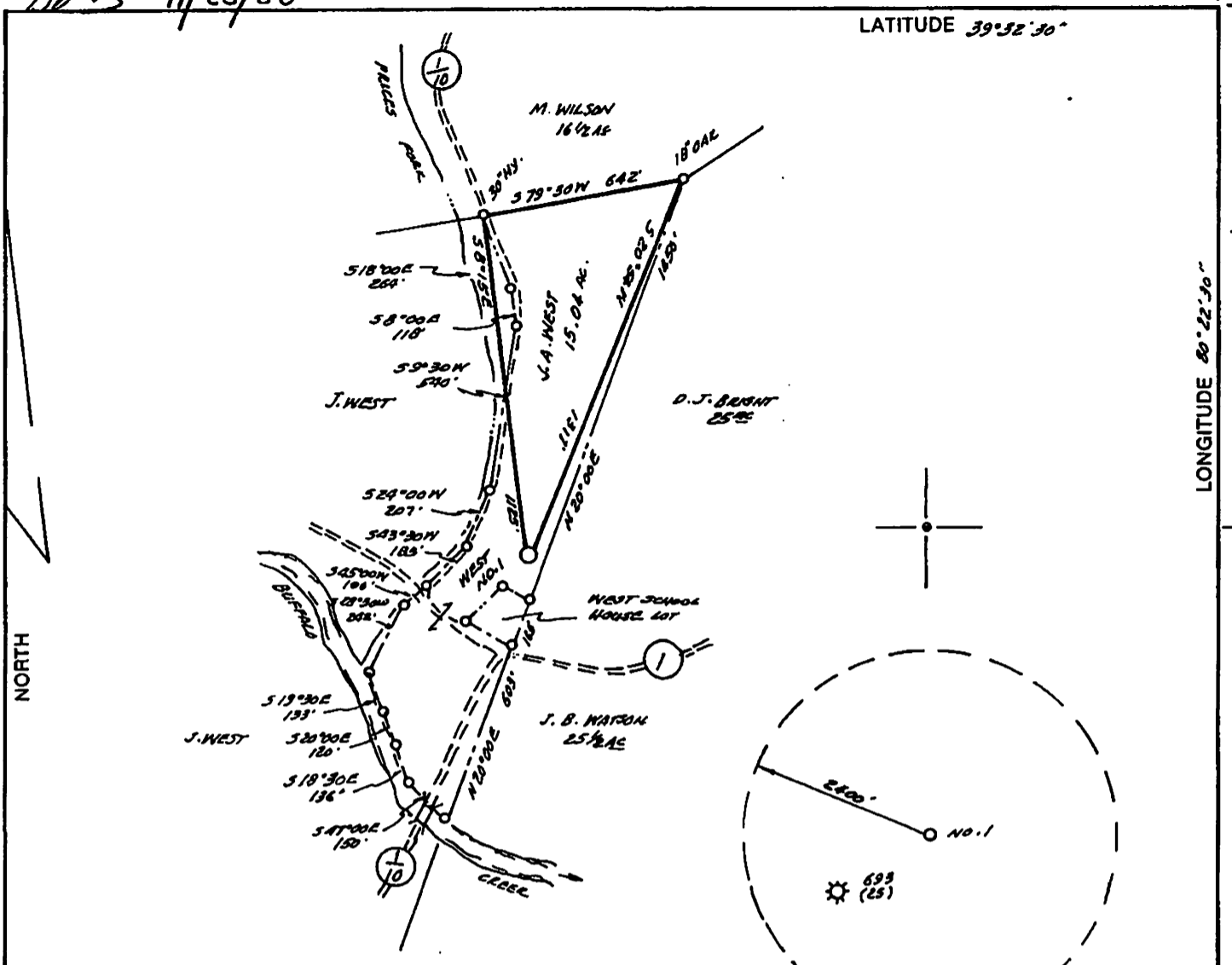
Date: 1/30/87

**Notes:** Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

8703 11/25/86

3760'

LATITUDE 39°52'30"



LONGITUDE 80°27'00"

NORTH

WELL REF:

312°55E 153' CHERRY STUMP SCHOOL HOUSE LOT COR.  
329°46W 127' PART OIL. SCHOOL HOUSE LOT

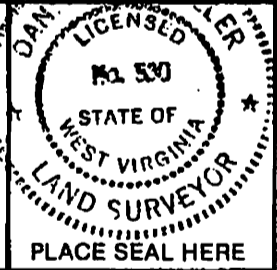
D.L. WHEELER & ASSOCIATES, INC.  
RT. 1, BOX 306  
CLARKSBURG, W.V. 26301  
PHONE: 304-623-5215

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=500'  
 MINIMUM DEGREE OF ACCURACY 1 IN 800  
 PROVEN SOURCE OF ELEVATION ON BENCH MARK  
50.410 ± 1 ELEV. 900'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF ENERGY.

(SIGNED) Daniel L. Wheeler  
 R.P.E. \_\_\_\_\_ L.L.S. 530  
 DANIEL L. WHEELER



**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION

DATE NOVEMBER 18, 19 86  
 OPERATOR'S WELL NO. WEST NO. 1  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1035' WATER SHED BUFFALO CREEK  
 DISTRICT MANNINGTON COUNTY MARION  
 QUADRANGLE GLOVER GAP T.S.

SURFACE OWNER JOHN WEST ACREAGE 16.04  
 OIL & GAS ROYALTY OWNER JOHN WEST LEASE ACREAGE 15.04  
 LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON  CLEAN OUT AND REPLUG

TARGET FORMATION FIFTH SAND ESTIMATED DEPTH 3000'  
 WELL OPERATOR WILLIAM M. COMPTON DESIGNATED AGENT WILLIAM M. COMPTON  
 ADDRESS PO. BOX 569 ADDRESS PO. BOX 569  
CLARKSBURG, W.V. 26301 CLARKSBURG, W.V. 26301

04/07/2017

MARION COUNTY NAME PERMIT 084



49 00834P

FORM WW-4(A)  
Revised 6-07

1) Date: February 20, 2017  
2) Operator's Well No. 7072  
3) API Well No. 47-49-00834  
State 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  
(a) Name Perry M. & Nancy West, Thomas C. & Linda West  
Address 829 Donegal Dr.  
Follansbee, WV 26037

5)a) COAL OPERATOR  
Name CONSOLIDATION COAL CO.  
Address 1 Bridge St.  
Monongah, WV 26554

(b) Name \_\_\_\_\_  
Address \_\_\_\_\_

(b) COAL OWNER(S) WITH DECLARATION:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) COAL LESSEE WITH DECLARATION:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

(6) INSPECTOR \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone \_\_\_\_\_

TO THE PERSON(S) 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 and its location 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 REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM WW-4(B) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice 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 delivery by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery by the Chief.

WELL OPERATOR Consolidation Coal Company  
By Ronnie Harsh  
Its Project Engineer / Agent  
Address 1 Bridge St.  
Monongah, West Virginia 26554  
Telephone (304) - 534 - 4748

*Ronnie Harsh*

Subscribed and sworn before me this 21st day of February, 2017

Janet Le Lieving Notary Public  
Marion County, State of West Virginia

My commission expires June 13, 2024



Oil and Gas Privacy Notice

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

04/07/2017



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 Coal Company OP Code 10950

Watershed Price Run of Buffalo Creek Quadrangle Glover Gap

Elevation 1034.67' County Marion District Mannington

Description of anticipated Pit Waste: N/A

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

Will a synthetic liner be used in the pit? N/A. If so, what mil.? \_\_\_\_\_

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number \_\_\_\_\_)
- Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Tanks, see attached letter)

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Freshwater

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

Additives to be used? Bentonite, Bicarbonate of Soda

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Reused or Disposed (see attached letter)

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

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

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

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

Company Official Signature Ronnie Harsh

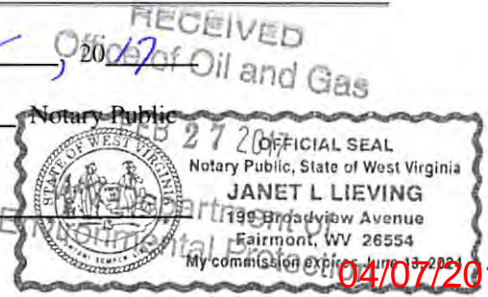
Company Official (Typed Name) Ronnie Harsh

Company Official Title Project Engineer

Subscribed and sworn before me this 21st day of February, 2017

Janet L. Lieving

My commission expires June 13, 2024



04/07/2017

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](mailto:ronnieharsh@consolenergy.com)  
web: [www.coalsource.com](http://www.coalsource.com)

\*Name: RONNIE HARSH  
\*title: Project Engineer

April. 7, 2014

Department of Environmental Protection  
Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304-2345  
Phone: (304) 926-0499  
Fax: (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

RECEIVED  
Office of Oil and Gas

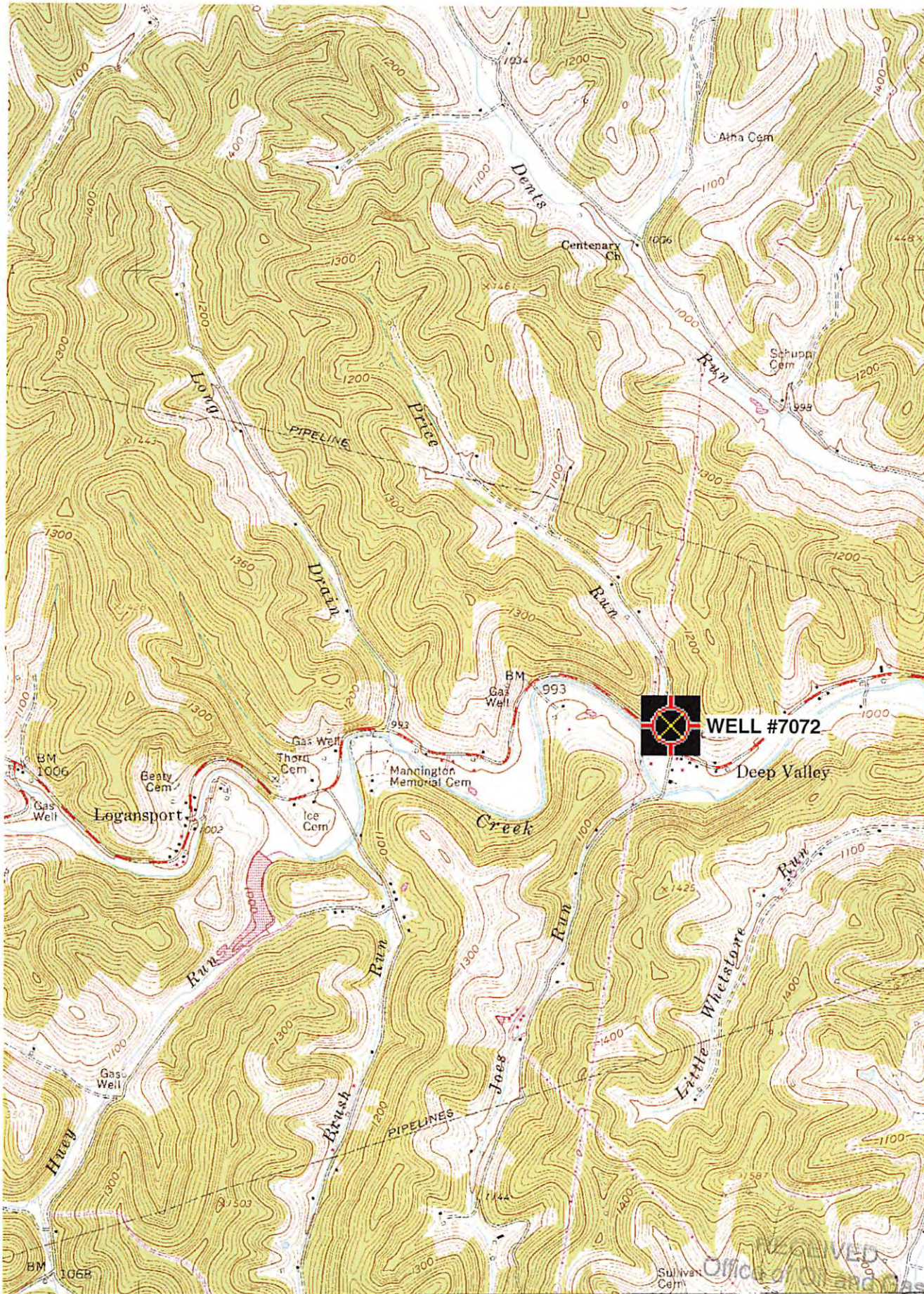
FEB 27 2017

WV Department of  
Environmental Protection

04/07/2017



4900834 P



4378  
4377  
32'30"  
4376  
4375  
4374  
4373  
39°30'  
80°22'30"

MARWINGTON 9 MI.  
FARMINGTON 16 MI.

25' 51 52

JOETOWN 3 MI.

INTERIOR - GEOLOGICAL SURVEY, RESTON, VIRGINIA - 1977

80°22'30"

1 MILE  
7000 FEET  
1 METER

ROAD CLASSIFICATION  
 Heavy-duty  
 Medium-duty  
 Light-duty  
 Unimproved dirt

WV Department of Environmental Protection

FEB 27 2017

SHINNISTON 4.92 N MI.

04/07/2017

U.S. Route

'Glover Gap; WV' Scale: 1" = 0.379Mi 610Mt 2,000Ft, 1 Mi = 2.640" , 1 cm = 240Mt



4900834P

WW-7  
8-30-06



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

API: 47-049-00834 WELL NO.: 7072

FARM NAME: Delilah J. Bright

RESPONSIBLE PARTY NAME: Consolidation Coal Company

COUNTY: Marion DISTRICT: Mannington

QUADRANGLE: Glover Gap

SURFACE OWNER: Consolidation Coal Company

ROYALTY OWNER: \_\_\_\_\_

UTM GPS NORTHING: 4,375,023 m

UTM GPS EASTING: 552,575 m GPS ELEVATION: 315 m (1035')

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:

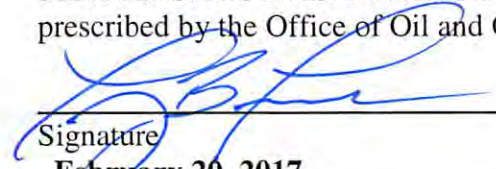
1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS \_\_\_\_: Post Processed Differential \_\_\_\_  
Real-Time Differential \_\_\_\_

Mapping Grade GPS X: Post Processed Differential X  
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.



Signature  
February 20, 2017  
Date

Professional Surveyor  
Title

Office of Oil and Gas  
FEB 27 2017  
WV Department of Environmental Protection

04/07/2017



LATITUDE 39° 32' 30"

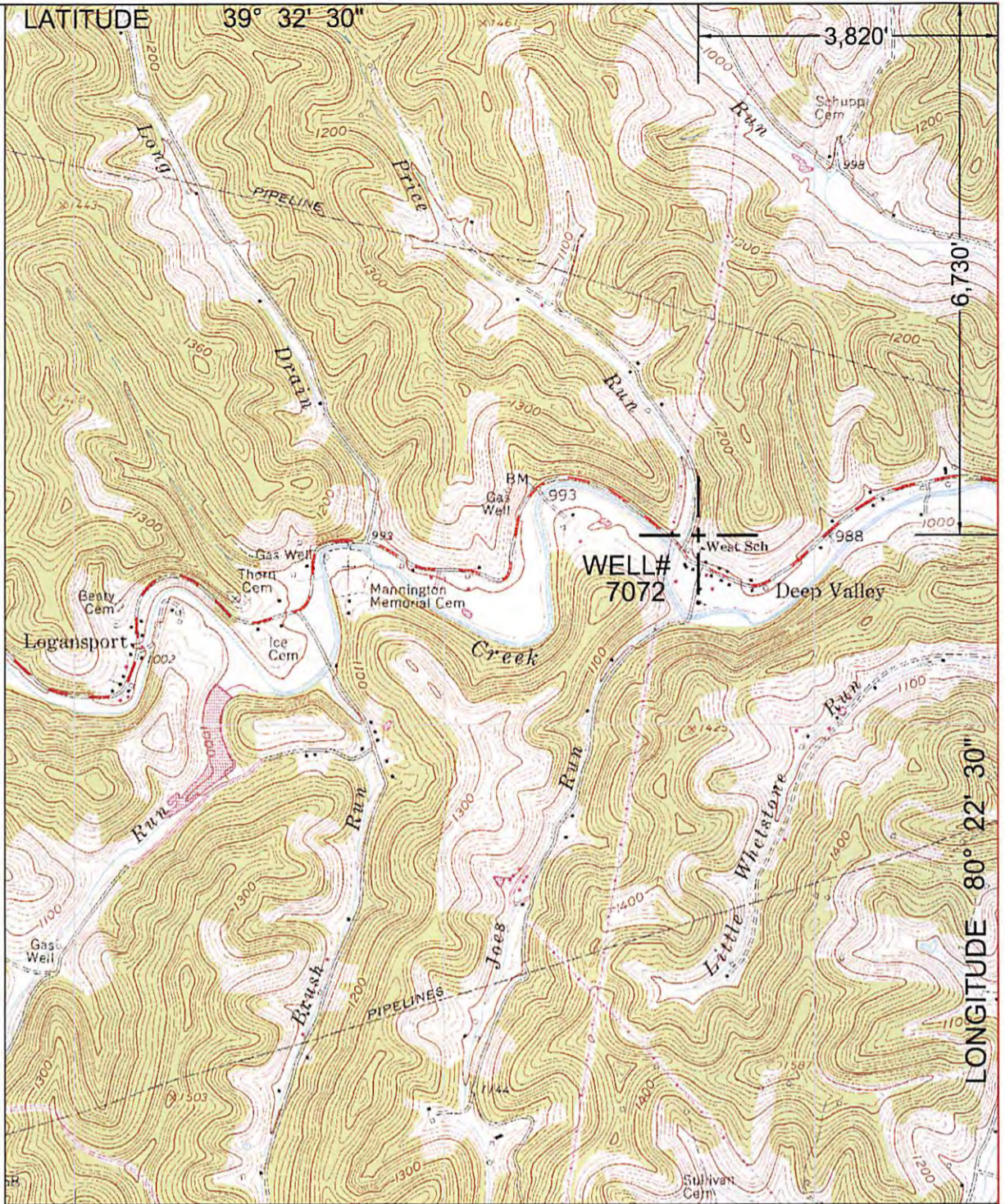
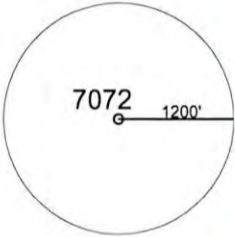
3,820'

6,730'

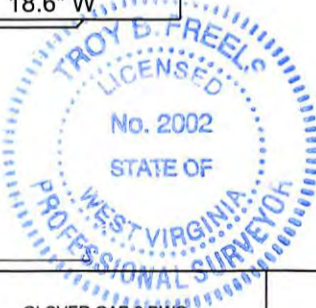
LONGITUDE 80° 22' 30"

NORTH

SURROUNDING WELLS WITHIN 1200' RADIUS



UTM ZONE 17N NAD83 CONUS	LAT/LONG NAD27 CONUS
NORTHING 4,375,023 METERS	39° 31' 23.4" N
EASTING 552,575 METERS	80° 23' 18.6" W



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.  
P.S. 2002

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE FEBRUARY 20, 20 15

OPERATORS WELL NO. 7072

API WELL NO. 47 - 49 - 00834 P  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY: 1 / 2500  
FILE NO.: GLOVER GAP 9.DWG  
SCALE: 1"=2000'  
PROVEN SOURCE OF ELEVATION: GPS METADATA OR COMPANY NETWORK TIED INTO U.S.G.S.

WV DEP OFFICE OF OIL AND GAS

601 57TH ST., CHARLESTON, WV 25304



WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION: 1034.67' WATERSHED: PRICE RUN OF BUFFALO CREEK

DISTRICT: MANNINGTON COUNTY: MARION QUADRANGLE: GLOVER GAP, WV 7.5'

SURFACE OWNER: PERRY M. & NANCY WEST, THOMAS C. & LINDA WEST ACREAGE: 12.17± ACRES

ROYALTY OWNER: LEASE ACREAGE: LEASE NO.: 04/07/2017

PROPOSED WORK: DRILL:  CONVERT:  DRILL DEEPER:  REDRILL:  FRACTURE OR STIMULATE:  PLUG OFF OLD:

FORMATION:  PERFORATE NEW FORMATION:  PLUG AND ABANDON:  CLEAN OUT AND REPLUG:  OTHER:

PHYSICAL CHANGE IN WELL (SPECIFY): TARGET FORMATION: NONE

ESTIMATED DEPTH:

WELL OPERATOR: CONSOLIDATION COAL COMPANY DESIGNATED AGENT: RONNIE HARSH

ADDRESS: 1 BRIDGE ST., MONONGAH, WV 26554 ADDRESS: 1 BRIDGE ST., MONONGAH, WV 26554

COUNTY NAME

PERMIT

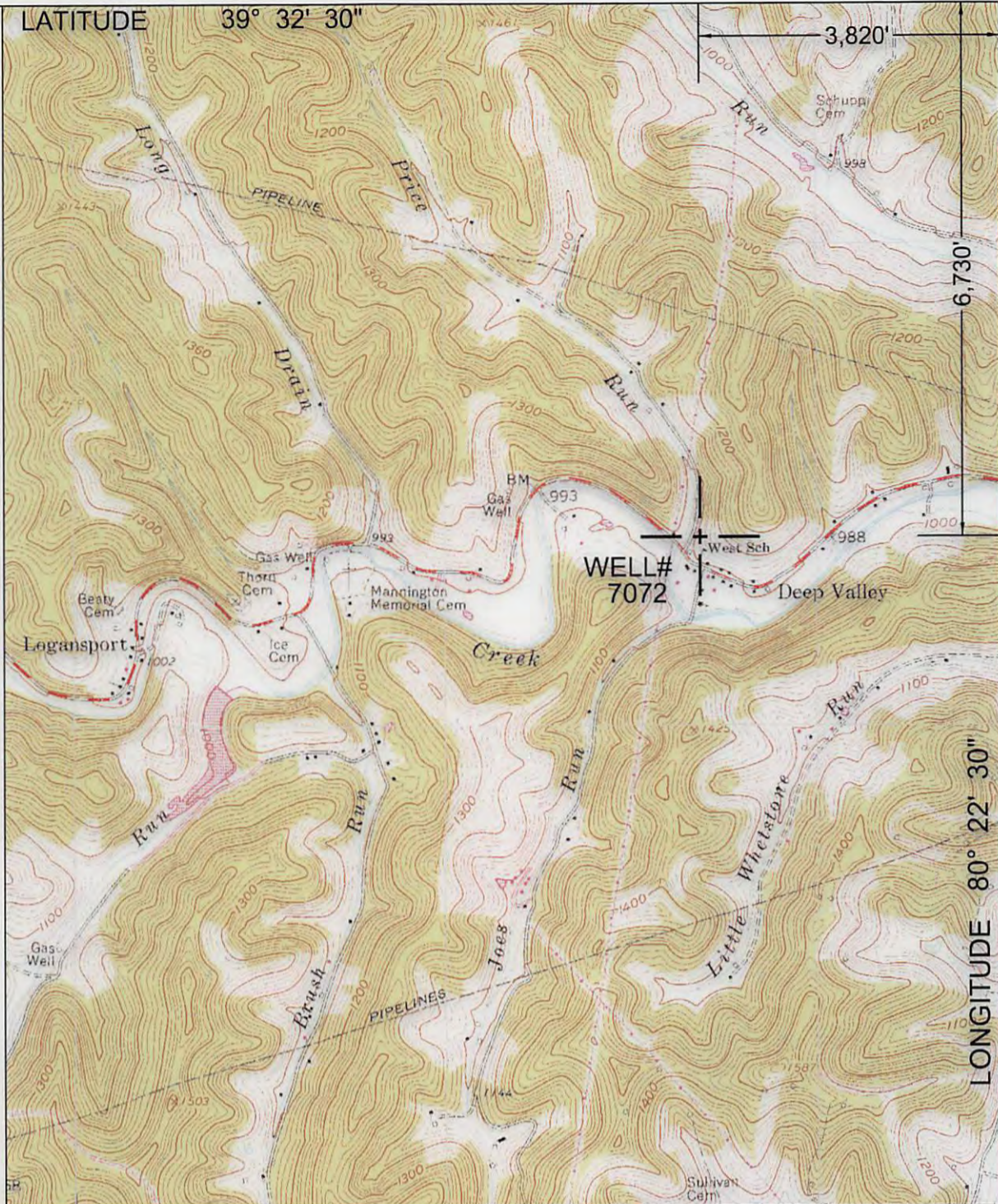


LATITUDE 39° 32' 30"

3,820'

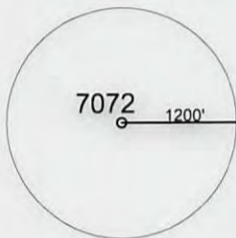
6,730'

LONGITUDE 80° 22' 30"



NORTH

SURROUNDING WELLS WITHIN 1200' RADIUS



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NORTHING 4,375,023 METERS	39° 31' 23.4" N
EASTING 552,575 METERS	80° 23' 18.6" W

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STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY: 1/2500  
FILE NO.: GLOVER GAP 9.DWG  
SCALE: 1"=2000'  
PROVEN SOURCE OF ELEVATION: GPS METADATA OR COMPANY NETWORK TIED INTO U.S.G.S.

WV DEP  
OFFICE OF OIL AND GAS  
601 57TH ST., CHARLESTON, WV 25304



WELL TYPE: OIL \_\_\_\_\_ GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_ "GAS" PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW

LOCATION: ELEVATION: 1034.67' WATERSHED: PRICE RUN OF BUFFALO CREEK

DISTRICT: MANNINGTON COUNTY: MARION QUADRANGLE: G'LOVER GAP, WV 7.5'

SURFACE OWNER: PERRY M. & NANCY WEST, THOMAS C. & LINDA WEST ACREAGE: 12.17± ACRES

ROYALTY OWNER: \_\_\_\_\_ LEASE ACREAGE: \_\_\_\_\_ LEASE NO.: 04/07/2017

PROPOSED WORK: \_\_\_\_\_

DRILL: \_\_\_\_\_ CONVERT: \_\_\_\_\_ DRILL DEEPER: \_\_\_\_\_ REDRILL: \_\_\_\_\_ FRACTURE OR STIMULATE: \_\_\_\_\_ PLUG OFF OLD: \_\_\_\_\_

FORMATION: \_\_\_\_\_ PERFORATE NEW FORMATION: \_\_\_\_\_ PLUG AND ABANDON:  CLEAN OUT AND REPLUG: \_\_\_\_\_ OTHER: \_\_\_\_\_

PHYSICAL CHANGE IN WELL (SPECIFY): \_\_\_\_\_ TARGET FORMATION: NONE

ESTIMATED DEPTH: \_\_\_\_\_

WELL OPERATOR: CONSOLIDATION COAL COMPANY DESIGNATED AGENT: RONNIE HARSH  
ADDRESS: 1 BRIDGE ST., MONONGAH, WV 26554 ADDRESS: 1 BRIDGE ST., MONONGAH, WV 26554

COUNTY NAME PERMIT



4900 834P

7015 0640 0007 8056 2814

U.S. Postal Service™ *R. Harsh*  
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Certified Mail Fee	\$
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<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

Sent To *Thomas C. + Linda West*  
 Street and Apt. No., or PO Box No. *829 Donegal Dr.*  
 City, State, ZIP+4® *Follansbee, WV 26037*

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

*MONROEVILLE WV*  
*FEB 21 2017*  
*WINGAH WV*

7015 0640 0007 8056 2821

U.S. Postal Service™ *R. Harsh*  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only *7072*

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Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

Sent To *Perry M. + Nancy West*  
 Street and Apt. No., or PO Box No. *829 Donegal Dr.*  
 City, State, ZIP+4® *Follansbee, WV 26037*

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

*MONROEVILLE WV*  
*FEB 21 2017*  
*WINGAH WV*

RECEIVED  
 Office of Oil and Gas  
 FEB 27 2017  
 WV Department of  
 Environmental Protection

04/07/2017