



west virginia department of environmental protection

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

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

February 25, 2016

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5100556, issued to CONSOLIDATION COAL COMPANY, 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 all 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. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: 12044
Farm Name: ELDER, MAY
API Well Number: 47-5100556
Permit Type: Plugging
Date Issued: 02/25/2016

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.

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.

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 X / Deep _____ / Shallow X

5.) LOCATION: Elevation: 1288.95' Watershed: Wheeling Creek
District: Webster County: Marshall Quadrangle: Majorsville, WV-PA 7.5'

6.) WELL OPERATOR Consolidation Coal Company
Address 6126 Energy Road
Moundsville, WV 26041

7.) DESIGNATED AGENT Ronnie Harsh
Address 1 Bridge Street
Monongah, WV 26554

8.) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Eric Blend
Address PO BOX 2115
Wheeling, WV 26003

9.) PLUGGING CONTRACTOR
Name _____
Address _____

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

MINE PERMIT U-1025-91 REVISION 27,431
SEE 101C
§
SEE EXHIBIT NO. 1

★ 4 1/2" CASING SET @ 1878' & CEMENTED TO SURFACE.
BOTTOM COAL APPEARS TO BE MINEABLE, AS IT IS RECORDED
TO BE 2' THICK FROM 1503' - 1505'

PLUG # 1 FROM 1947' TO 1700' WITH CLASS A CEMENT.

HIGHEST COAL (MINEABLE) APPEARS TO BE A THREE FOOT SEAM
FROM 117' - 120'.

AFTER SETTING PLUG 1, 101C EXEMPTION APPLIES.

Received

JAN 20 2016

Office of Oil and Gas
West Virginia Department of Environmental Protection

gwm 2/22/16

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

OK

Work order approved by inspector _____ Date _____

RECEIVED

U. S. Department of Labor
OCT 22 1990

W. J. SCHELLER

Mine Safety and Health Administration
4015 Wilson Boulevard
Arlington, Virginia 22203-1984

OCT 17 1990.

In the matter of
Consolidation Coal Company
Shoemaker Mine
I.D. No. 46-01436
Ireland Mine
I.D. No. 46-01438

Petition for Modification

Docket No. M-90-066-C

PROPOSED DECISION AND ORDER

On April 24, 1990, a petition was filed seeking a modification of the application of 30 CFR 75.1700 to Petitioner's Shoemaker Mine and Ireland Mine, both located in Marshall County, West Virginia. 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.

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, comments, and MSHA's investigative report and recommendation, this Proposed Decision and Order is issued.

Finding of Fact and Conclusion of Law

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

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 Shoemaker Mine and Ireland Mine.

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 in the Shoemaker Mine and Ireland Mine is hereby:

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Office of Oil and Gas

FEB 17 2016

WV Department of
Environmental Protection

02/26/2016

GRANTED, conditioned upon compliance with all provisions of the Petitioner's alternative method and the following terms and conditions:

- I. Procedures to be utilized when plugging gas or oil 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 mineable coalbed.
 - (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 mineable coalbed.
 - (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 mineable coalbed, 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 mineable coalbed 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 mineable coalbed, 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 mineable coalbed.

- (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 densifies 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 mineable coalbed to the surface with an expanding cement plug extending from at least 200 feet below the lowest mineable coalbed to the bottom of the Portland cement.) There shall be at least 200 feet of expanding cement below the base of the lowest mineable coalbed.
 - (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 4 1/2-inch or larger vent pipe shall be run into the wellbore to a depth of 100 feet below the lowest mineable coalbed 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 mineable coalbed. The top of the expanding cement shall extend upward to a point approximately 100 feet above the top of the lowest mineable coalbed.
 - (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 mineable coalbed. The top of the expanding cement shall extend upward to a point above the top of the coalbed 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, shutin valves, sampling ports, flame arrestor equipment, and security fencing.

II. The following procedures shall apply to mining through a plugged oil or gas well:

- (a) The operator shall notify the District Manager or designee:
 - (1) Prior to mining within 300 feet of the well; and
 - (2) When a specific plan is developed for mining through each well.
- (b) The MSHA District Manager or designee shall 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 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 or conventional mining methods, drilage sights shall be installed at the last open crosscut near the place to be mined to ensure intersection of the well, and again if

necessary to ensure that the sight line is not more than 50 feet from the well.

- (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. When the longwall mining method is implemented, the fire hose shall be extended to the face area of the mine through. 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 within the immediate area of the mine through.
- (h) The quantity of air required by the approved ventilation system and methane and dust control plan, but not less than 9,000 cubic feet of air per minute shall be used to ventilate the working face during the mining through operation. On longwall sections, a minimum of 20,000 cfm shall be used to ventilate the working face during the mining through operation.
- (i) Equipment shall be checked for permissibility and serviced on the shift prior to mining through the well.
- (j) The methane monitor on the longwall, continuous mining machine, or cutting machine and loading machine 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, cutting machine, or loading 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.

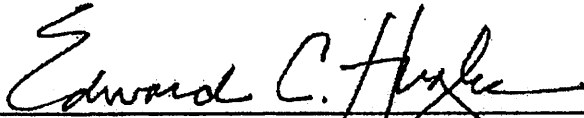
- (l) When using continuous or conventional mining methods, the working place shall be free from accumulations of coal dust and coal spillages, and rock dust shall be placed on the roof, rib, and floor to within 20 feet of the face when mining through the well. On longwall sections, rock dusting shall be conducted and placed on the roof, rib, and floor up to both the 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 Proposed Decision and Order becomes final, the Petitioner shall submit proposed revisions for their 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 alternative method stated in the petition and the special terms and conditions stated in the Proposed Decision and Order.

The terms and conditions of this Proposed Decision and Order shall supersede conflicting provisions in the Petitioner's proposed alternative method.

Any party to this action desiring a hearing on this matter must file in accordance with 30 CFR 44.14, within 30 days, a request 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.


Edward C. Hugler
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 17th day of October, 1990, to:

Walter J. Scheller III, Esq.
Consolidation Coal Company
Consol Plaza
Pittsburgh, Pennsylvania 15241

Ms. Linda Raisovich-Parsons
Special Assistant
United Mine Workers of America
900 Fifteenth Street, NW.

Robert Stropp, Esq.
United Mine Workers of America
900 Fifteenth Street, NW.
Washington, DC 20005

Mr. David Shreve
International Safety
Representative
District 6
United Mine Workers of America
56000 Dilles Bottom
Shadyside, Ohio 43947


MARY ANN GRIFFIN
Mine Safety Clerk

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 lowest minable coal seam.
- (b) If abandoned well: clean out to first plug 200 feet below lowest minable seam.
- (c) Run 4 1/2 casing from surface to minimum 200 feet below lowest minable seam and circulate 50/50 poz mix cement followed by expanding cement to surface. The expanding cement shall extend from minimum 200 feet below minable coal seam to a point 100 feet above.

The 4 1/2 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 an 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".

A4/ENGR/EXHIBIT1.REO

Received

JAN 20 2016

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WV Dept. of Environmental Protection

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Office of Oil and Gas

Form OG-10
FEB 16 2016



WV Department of
Environmental Protection

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Majorsville

WELL RECORD

Oil or Gas Well Gas
(KIND)

Permit No. MARS-556

Company Columbia Gas Transmission Corporation
Address P.O. Box 1273, Charleston, W. Va. 25325
Farm May Elder Acres 300
Location (waters) Wheeling Creek
Well No. 12044 Elev. 1288.54'
District Webster County Marshall

The surface of tract is owned in fee by Ms. May Elder, Agent
353 Orchard Drive Address Dayton, Ohio 45419
Mineral rights are owned by Ms. May Elder, Agent
353 Orchard Drive Address Dayton, Ohio 45419
Drilling commenced 9-13-74
Drilling completed 4-24-75
Date Shot N/A From - To -
With N/A

Open Flow 108 /10ths Water in 1 1/2 Inch
108 /10ths Merc. in 1 1/2 Inch
Volume 800,000 Cu. Ft.
Rock Pressure 451 lbs. 72 hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) N/A
WELL FRACTURED (DETAILS) N/A

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	None	None	Kind of Packer <u>None</u>
13	20	20	
10	790	790	Size of <u>N/A</u>
8 1/4	1291	1291	
6 3/4	None	None	Depth set <u>N/A</u>
5 3/16	None	None	
4 1/2	1878	1878	
3	None	None	Perf. top <u>N/A</u>
2	None	None	Perf. bottom <u>-</u>
Liners Used	None	None	Perf. top <u>-</u>
			Perf. bottom <u>-</u>

Attach copy of cementing record.
CASING CEMENTED 10 SIZE 790 No. Ft. 9-4-74 Date
8 SIZE 1291 No. Ft. 10-4-74 Date
Amount of cement used (bags) 10=160sks and 8=300sks
Name of Service Co. Halliburton

COAL WAS ENCOUNTERED AT 117 FEET - INCHES
287 FEET - INCHES 660 FEET - INCHES
753 FEET - INCHES 1503 FEET - INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) N/A
ROCK PRESSURE AFTER TREATMENT N/A HOURS.
Fresh Water 605 & 753 Feet Salt Water 1530 & 1710 Feet
Producing Sand Big Injun Sand Depth 1932'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Slate&Shells	-	-	0	50	-	-	-
Red Rock	-	-	50	62	-	-	-
Slate&Shells	-	-	62	117	-	-	-
Coal	-	-	117	120	-	-	-
Slate&Shells	-	-	120	145	-	-	-
Lime	-	-	145	155	-	-	-
Slate&Shells	-	-	155	170	-	-	-
Lime	-	-	170	180	-	-	-
Slate&Shells	-	-	180	190	-	-	-
Lime	-	-	190	215	-	-	-
Slate&Shells	-	-	215	225	-	-	-
Red Rock	-	-	225	235	-	-	-
Slate&Shells	-	-	235	287	-	-	-
Coal	-	-	287	290	-	-	-
Slate&Shells	-	-	290	305	-	-	-
Lime	-	-	305	322	-	-	-
Slate	-	-	322	355	-	-	-
Lime	-	Hard	355	387	-	-	-
Slate&Shells	-	-	387	422	-	-	-
Sand	-	-	422	427	-	-	-
Slate&Shells	-	-	427	452	-	-	-
Sand	-	-	452	457	-	-	-
Slate&Shells	-	-	457	472	-	-	-
Lime	-	-	472	492	-	-	-
Slate&Shells	-	-	492	535	-	-	-
Lime	-	-	535	545	-	-	-
Slate&Shells	-	-	545	560	-	-	-
Lime	-	-	560	647	Water	605	-
Slate	-	-	647	660	-	-	-

1878' of 4 1/2" cemented on 3-11-75

(over)

02/26/2016

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Coal	-	-	660	663	-	-	-
Slate	-	-	663	665	-	-	-
Lime	-	-	665	718	-	-	-
Slate	-	-	718	723	-	-	-
Lime	-	-	723	735	-	-	-
Slate&Shells	-	-	735	753	-	-	-
Coal-Pgh.	-	-	753	758	Gas & Water	753	Show of Gas
Slate	-	-	758	760	-	-	-
Lime	-	-	760	800	-	-	10" casing set @
Slate	-	-	800	807	-	-	798' and cemented
Lime	-	-	807	835	-	-	with 160 sacks.
Slate	-	-	835	845	-	-	-
Lime	-	-	845	852	-	-	-
Slate&Shells	-	-	852	864	-	-	-
Red Rock	-	-	864	885	-	-	-
Slate&Shells	-	-	885	921	-	-	-
Red Rock	-	-	921	947	-	-	-
Slate	-	-	947	978	-	-	-
Lime	-	-	978	998	-	-	-
Slate	-	-	998	1010	-	-	-
Red Rock	-	-	1010	1027	-	-	-
Slate&Shells	-	-	1027	1039	-	-	-
Lime	-	-	1039	1085	-	-	-
Slate	-	-	1085	1090	-	-	-
Lime	-	-	1090	1100	-	-	-
Slate&Shells	-	-	1100	1110	-	-	-
Lime	-	-	1110	1117	-	-	-
Red Rock	-	-	1117	1122	-	-	-
Lime	-	-	1122	1136	-	-	-
Slate	-	-	1136	1143	-	-	-
Red Rock	-	-	1143	1150	-	-	-
Slate&Shells	-	-	1150	1153	-	-	-
Sand	-	-	1153	1183	-	-	-
Slate&Shells	-	-	1183	1380	-	-	8" casing set @
Lime	-	-	1380	1408	-	-	1291' and cement
Sand-Gas Sand	-	-	1408	1448	-	-	ed with 300 sack
Slate	-	-	1448	1472	-	-	-
Lime	-	-	1472	1480	-	-	-
Slate	-	-	1480	1488	-	-	-
Sand	-	-	1488	1503	-	-	-
Coal	-	-	1503	1505	-	-	-
Slate	-	-	1505	1509	-	-	-
Lime	-	-	1509	1517	-	-	-
Sand-1 st Salt	-	-	1517	1558	Gas Water	1526 1530	Show 2 1/2 bailers/hour
Slate&Shells	-	-	1558	1669	-	-	-
Lime	-	-	1669	1710	Water	1710	5 bailers/hour
Slate	-	-	1710	1736	-	-	-
Lime	-	-	1736	1805	-	-	-
Slate	-	-	1805	1825	-	-	-
Lime	-	-	1825	1860	-	-	-
Big Injun Sand	-	-	1860	1947	Gas	1932-1947	Open Flow=800 ^{mc} / _{day}
Slate-Break	-	-	1908	1913	-	-	Rock Press=451-
Drilled Total	-	-	-	-	-	-	psig in 72hrs.
Depth	-	-	-	1947	-	-	4 1/2" tubing set @
-	-	-	-	-	-	-	1878' and cement
-	-	-	-	-	-	-	ted with 420 sks

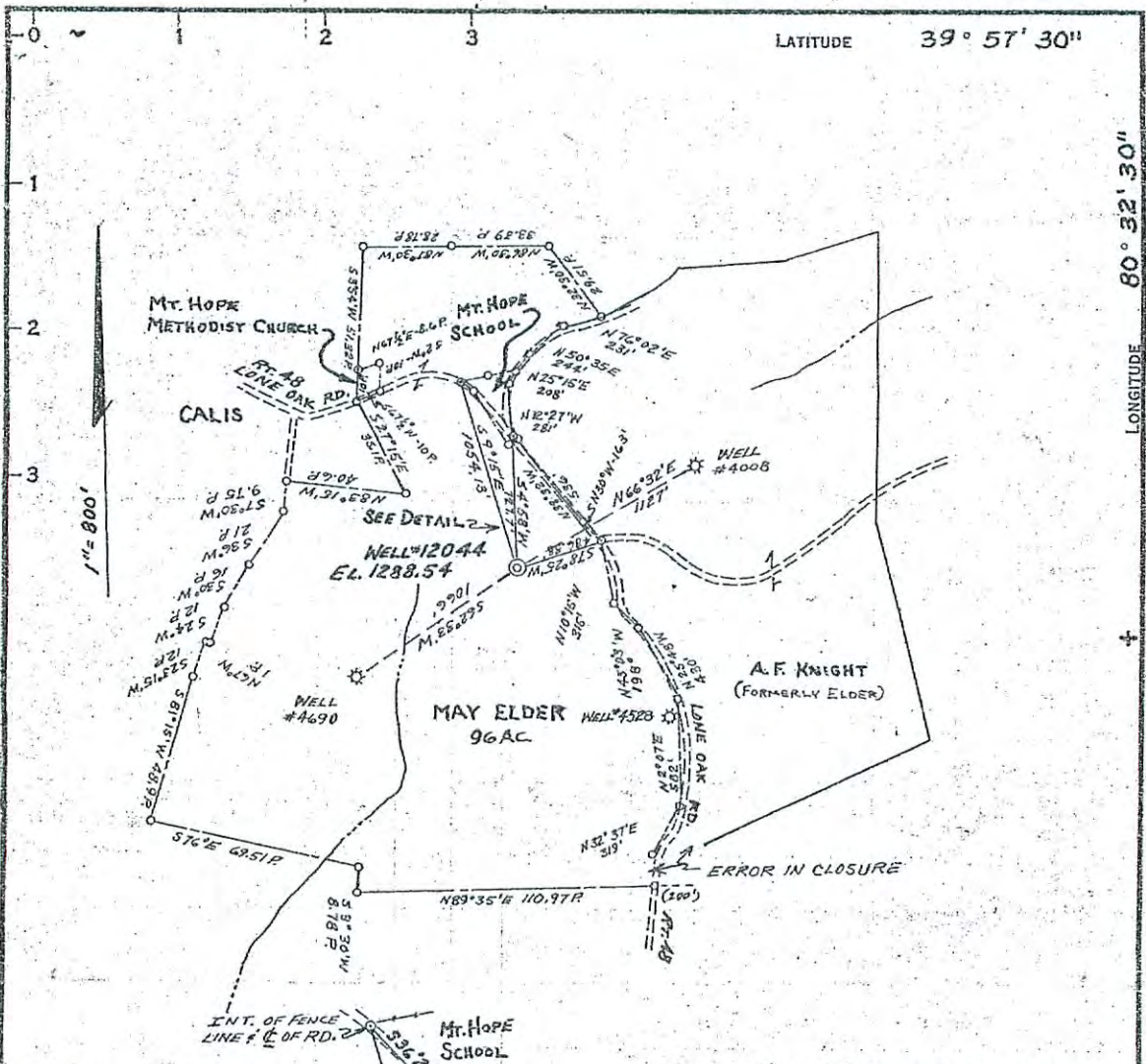
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FEB 16 2016

WV Department of
Environmental Protection

Date June 30, 1975
 Original Signed by E. M. ELLINGTON, Owner
 By _____ Division Engineer (Title)

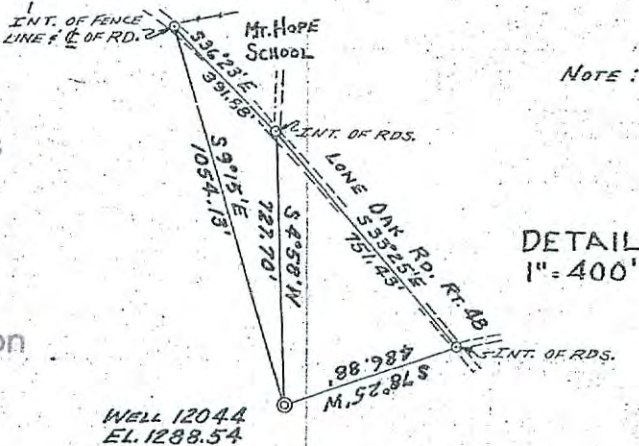
02/26/2016



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WV Department of
Environmental Protection



COAL OWNED BY _____

NEW LOCATION - STORAGE

RECONDITION

DRILL DEEPER

ABANDONMENT

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."
Minimum degree of accuracy is one part in 2000

F.B. 1234 P. 19

Signed Jake Snyder P. Reg. 7872-E

COMPANY COLUMBIA GAS TRANSMISSION CORP.

ADDRESS P.O. BOX 1273 CHARLESTON, W. VA. 25326

FARM MAY ELDER

MAP 0-25-10 ACRES 300 LEASE NO. 19447

WELL (FARM) NO. _____ SERIAL NO. 12044

ELEVATION (SPIRIT LEVEL) 1288.54

QUADRANGLE MAJORSVILLE, W. VA., PA. (7 1/2')

COUNTY MARSHALL DISTRICT WEBSTER

POINT OF PROVEN ELEVATION B.M. C. & G.S. DISC MARKED 'A' 125-1957
IN S.W. COR. OF MOUNT HOPE METHODIST CH. PROPERTY

FILE NO. _____ DRAWING NO. _____

DATE MAY 15, 1974 SCALE AS SHOWN

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP

FILE NO. _____

+ 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.

02/26/2016

510056P

WELL LOG SUMMARY

LOCATION	COMPANY Columbia Gas Trans. Corp.		DIV. FIELD Wash. Majorsville Stg.		WELL NO. 12044						
	FARM NAME May Elder.	ACRES 300	LEASE NO. 19447	DISTRICT - COUNTY Webster Marshall	STATE W. Va.						
	TOPO. MAP Majorsville		Quadrangle	Ft. of		/ and / of					
CONTRACTOR	CONTRACTOR'S NAME Company Machine		Drilled from 0 Ft. to 1947 Ft.		Type of Rig Cable Tool - Spudder						
	ADDRESS		DATE DRILLING COMMENCED 8-13-74		DATE WELL COMPLETED 4-24-75						
			COMPLETED TOTAL DEPTH 1947 Feet		TYPE COMPLETION Open Hole						
HOLE SIZE	BIT GAUGE (Inches)	16	13	10	8	6 1/2	4				
	FROM - TO (Feet)	0-28	28-798	798-1291	1291-1861	1861-1878	1878-1947				
CASING AND TUBING <small>(All Measurements less threads)</small>	SIZE (O.D.)	13 3/8	10 3/4	8 5/8	4 1/2	-	-				
	WEIGHT / FOOT	48#	32.75#	24#	12.6#	-	-				
	STEEL GRADE	H-40	H-40	K-55	K-55	-	-				
	COUPLING TYPE	Short	Short	Short	Short	-	-				
	SETTING DEPTH	28'	798'	1291'	1878'	-	-				
CEMENT	LEFT IN HOLE	20'	790'	1291'	1878'	-	-				
	NUMBER OF SACKS	10 (1)	160	300 (2)	420	-	-				
	TYPE	50/50Poz	50/50Poz	50/50Poz	50/50Poz	-	-				
	WEIGHT (# Gal.)	14.4	14.4	14.4	14.2	-	-				
CEMENTING SHOE OR PACKER	RETURN TO SURFACE (Yes-No)	Yes	No	Yes	Yes	-	-				
	PLUG DOWN PRESSURE	None	250 psig	500 psig	600 psig	-	-				
	MANUFACTURER	-	-	-	-	-	-				
WELL STIMULATION <small>(Attach Completed Form PD-17 - "Well Stimulation Report" if applicable)</small>	TYPE	-	-	-	-	-	-				
	SIZE	-	-	-	-	-	-				
	SETTING DEPTH	-	-	-	-	-	-				
	TREATMENT	-	-	-	-	-	-				
OPEN FLOW TESTS	DATE GAUGED	FORMATION	PAY ZONE	TYPE GAUGE (SPECIFY)	PRESSURE (SPECIFY UNITS)	SIZE OPENING (INCHES)	OPEN FLOW MCF/DAY	HRS. BLOWN			
	4 2575	Big Injur Sand	From 1932' To 1947'	Orifice Well Tester	Merc. 8.5"	1 1/2"	711	1			
WELLHEAD PRESSURE TESTS	4 2875	Big Injur Sand	From 1932' To 1947'	Orifice Well Tester	Merc. 10.8"	1 1/2"	800	3			
	DATE GAUGED	FORMATION	MINUTE PRESSURES - PSIG					WELLHEAD PRESSURES - PSIG			
MISC.	DEPTH MEASUREMENT TAKEN FROM:	<input checked="" type="checkbox"/> Derrick Floor <input type="checkbox"/> Ground <input type="checkbox"/> Other (Specify)					DIST. TO GROUND		ELEVATION		
	LOGGED	LOGGED BY (COMPANY)					2 Feet		1288.54' GL		
REMARKS	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
	<p>(1) Cemented 13"x16" annulus to surface at same time 10 3/4" O.D. casing was cemented. (2) 8 5/8" O.D. casing perforated @ 1250' and pressured to 550 psig - would not circulate; perforated @ 1200' and pressured to 750 psig - would not circulate; perforated @ 1150', established circulation and cemented casing to the surface. (3) NOTE: 13 3/8" and 10 3/4" casings cemented with 50/50 pozmix, 2% Ca. Cl. - 8 5/8 and 4 1/2 cemented with 50/50 Pozmix, 10% Salt.</p>										

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FEB 16 2016

APPROVED BY (DIVISION ENGINEER) Ronald A. ... DATE 6-19-75 APPROVED BY (DISTRICT MANAGER) M. Ellington DATE 6-19-75

Attach additional sheets (Form PD-44b) and forward to Manager, Production and Storage - Pittsburgh General Office

Approved by _____ (PRODUCTION - STORAGE SECTION - G.O.) DATE _____

02/26/2016

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WELL LOG SUMMARY

DIV.	FIELD	FARM	COUNTY	WELL NO.
Wash.	Majorsville Storage	May Elder	Marshall	12044

ORIGIN OF FORMATION DEPTHS Driller's Log Service Company Log Combination

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS (Oil, Gas, Water encountered - Open Flows, Rock Pressures - Zones Perforated, Number of Shots per foot, etc.)
Slate & Shells	0	50	50	
Red Rock	50	62	12	
Slate & Shells	62	117	55	
Coal	117	120	3	
Slate & Shells	120	145	25	
Lime	145	155	10	
Slate & Shells	155	170	15	
Lime	170	180	10	
Slate & Shells	180	190	10	
Lime	190	215	25	
Slate & Shells	215	225	10	
Red Rock	225	235	10	
Slate & Shells	235	287	52	
Coal	287	290	3	
Slate & Shells	290	305	15	
Lime	305	322	17	
Slate	322	355	33	
Lime (Hard)	355	387	32	
Slate & Shells	387	422	35	
Sand	422	427	5	
Slate & Shells	427	452	25	
Sand	452	457	5	
Slate & Shells	457	472	15	
Lime	472	492	20	
Slate & Shells	492	535	43	
Lime	535	545	10	
Slate & Shells	545	560	15	
Lime	560	647	87	Water @ 605'
Slate	647	660	13	
Coal	660	663	3	
Slate	663	665	2	
Lime	665	718	53	
Slate	718	723	5	
Lime	723	735	12	

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WV Department of
Environmental Protection

WELL LOG SUMMARY

3 of 4 Sheets

DIV. FIELD FARM COUNTY WELL NO.
 Wash. Majorsville Storage May Elder Marshall 12044

ORIGIN OF FORMATION DEPTHS Driller's Log Service Company Log Combination

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS. (Oil, Gas, Water encountered - Open Flows, Rock Pressures - Zones Perforated, Number of Shots per foot, etc.)
Slate & Shells	735	753	18	
Coal-Pittsburgh	753	758	5	Show of Gas & 3½ Bailers Water per hour.
Slate	758	760	2	
Lime	760	800	40	10 3/4" O.D. casing set @ 798' and cemented with 160 sacks.
Slate	800	807	7	
Lime	807	835	28	
Slate (Dark)	835	845	10	
Lime	845	852	7	
Slate & Shells	852	864	12	
Red Rock	864	885	21	
Slate & Shells	885	921	36	
Red Rock	921	947	26	
Slate	947	978	31	
Lime	978	998	20	
Slate	998	1010	12	
Red Rock	1010	1027	17	
Slate & Shells	1027	1039	12	
Lime	1039	1085	46	
Slate	1085	1090	5	
Lime (Gritty)	1090	1100	10	
Slate & Shells	1100	1110	10	
Lime (Gritty)	1110	1117	7	
Red Rock	1117	1122	5	
Lime	1122	1136	14	
Slate	1136	1143	7	
Red Rock	1143	1150	7	
Slate & Shells	1150	1153	3	
Sand	1153	1183	30	
Slate & Shells	1183	1380	197	8 5/8" O.D. casing @ 1291" and cemented with 300 sacks
Lime	1380	1408	28	
Sand (Gas Sand)	1408	1448	40	
Slate (Dark)	1448	1472	24	
Lime	1472	1480	8	
Slate	1480	1488	8	

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02/26/2016

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NOTICE OF WELL STATUS CHANGE

COMPANY Columbia Gas Trans. Corp.		FIELD Majorsville	DIV. Wash.	FOREIGN WELL NO. (IF ANY) -	COMPANY WELL NO. 12044
FARM NAME May Elder	TOWNSHIP-COUNTY-DISTRICT XXXXXXXXXX Webster	COUNTY Marshall	STATE W. Va.	LEASE-DEED NO. 19447	ACRES 300
LAST ACTIVE WELL ON FARM <input type="checkbox"/> YES <input type="checkbox"/> NO		(THIS BLOCK FOR GENERAL OFFICE USE ONLY)			
<input type="checkbox"/> SURRENDER LEASE		<input type="checkbox"/> RENEW LEASE		<input type="checkbox"/> OTHER	

STATUS PRIOR TO THIS REPORT	<input checked="" type="checkbox"/> DRILLING WELL	<input type="checkbox"/> Production	<input checked="" type="checkbox"/> Storage
	<input type="checkbox"/> ACTIVE WELL	<input type="checkbox"/> Production	<input type="checkbox"/> Storage
	<input type="checkbox"/> ABANDONED WELL		
WELL STATUS CHANGE OR WORK PERFORMED	<input checked="" type="checkbox"/> COMPLETED	<input checked="" type="checkbox"/> Gas	<input type="checkbox"/> Dry
	<input type="checkbox"/> REDRILLED FOR STORAGE	<input type="checkbox"/> Retained	<input type="checkbox"/> Abandoned
	<input type="checkbox"/> RECONDITIONED	<input type="checkbox"/> Retained	<input type="checkbox"/> Abandoned
	<input type="checkbox"/> RECONDITIONED & TRANSF. TO STORAGE		
	<input type="checkbox"/> TRANSFERRED TO	<input type="checkbox"/> Production	<input type="checkbox"/> Storage
	<input type="checkbox"/> PURCHASED FOR	<input type="checkbox"/> Production	<input type="checkbox"/> Storage
	<input type="checkbox"/> DRILLED DEEPER		
	<input type="checkbox"/> PLUGGED AND ABANDONED		
<input type="checkbox"/> SOLD			

Remarks

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WV Department of Environmental Protection

COMPLETION DATA (If applicable)	DRILLED TO 1947 feet Big Injun sand	PLUGGED BACK <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES If Yes, to depth of _____ feet _____ sand
	WELL TREATMENT <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, Type of Treatment _____	
	BEFORE TREATMENT (If applicable)	TYPE OF GAUGE <input type="checkbox"/> Orifice Well Tester <input type="checkbox"/> Pitot Tube <input type="checkbox"/> Other (Specify) _____
	FLOW	GAUGE READING _____ inches <input type="checkbox"/> Mercury <input type="checkbox"/> Water or _____ psig through _____ inch opening after blowing _____ hours
TEST READING	FINAL	TYPE OF GAUGE <input checked="" type="checkbox"/> Orifice Well Tester <input type="checkbox"/> Pitot Tube <input type="checkbox"/> Other (Specify) _____
		GAUGE READING 10.8 inches <input checked="" type="checkbox"/> Mercury <input type="checkbox"/> Water or _____ psig through 1 1/2 inch opening after blowing 3 hours
		FLOW 800,000 cubic feet per day ROCK PRESSURE 451 psig in 72 hours

AUTHORIZATION FOR WORK PERFORMED	<input type="checkbox"/> Well Order Number _____ Budget No. _____
	<input checked="" type="checkbox"/> Work Order Number 3422-3734-1238
	<input type="checkbox"/> Abandonment Order Number _____
WORK PERFORMED BY	MACHINE NUMBER 8407

For General Office Use Only			
DEPARTMENT	SECTION	NOTED BY	DATE
WHOLESALE OPERATIONS	Production		
	Storage		
	Map		
LAND, LEASING & R/W			
TREASURY	Budgets and Statistics		
	Plant Accounting		
CIVIL ENGINEERING			

Compiled By Ronald A. Schoff Date 6-9-75 WJE

ORIGINAL SIGNED BY G. L. WALZ JR.

Approved By _____ Date _____
DIVISION MANAGER

Return to Land, Leasing and R/W for filing

02/26/2016

5100586

OG-1
Rev. - 71
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Office of Oil and Gas

FEB 16 2016



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUN 13 1974

OIL & GAS DIVISION
DEPT. OF MINES

WV Department of
Environmental Protection

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE June 11, 1974

Surface Owner Ms. May Elder, Agent
Address 353 Orchard Dr. Dayton, Ohio 45419
Mineral Owner Ms. May Elder, Agent
Address 353 Orchard Dr. Dayton, Ohio 45419
Coal Owner Monongalia Improvement Co., et al
Address Morgantown, W. Va. 26505
Coal Operator Not operated
Address _____

Company Columbia Gas Transmission Corp.
Address P.O. Box 1273, Charleston, W. Va. 25325
Farm May Elder Acres 300
Location (waters) Wheeling Creek
Well No. 12044 Elevation 1288.54
District Webster County Marshall
Quadrangle Majorsville, W. Va. Pa.

THIS PERMIT IS VALID FOR THE WELL SITE

All provisions of Chapter 22, of the W. Va. Code, hereby approved for drilling operations shall expire if operations have not commenced by 10-14-74

Robert L. B.
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Garrett
Clarksburg, W. Va. PH: 622-3871

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated February 20, 1940 by Ms. May Elder made to Columbia Gas Trans. Corp. and recorded on the 8th day of March 1940, in Marshall County, Book 215 Page 46
 NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

COLUMBIA GAS TRANSMISSION CORPORATION
Very truly yours,

(Sign Name) *W. S. Edwards*
Well Operator
Director, Storage & Reservoir Engineering
P.O. Box 1273

Address of Well Operator

Charleston, Street

City or Town

West Virginia 25301

State

PHOTOGRAPHS OF ALL ORIGINAL LOGS DIRECTLY TO:
West Virginia Geological and Economic Survey
P.O. Box 570
Martinsburg, W. Va. 26105
C 304-226-1461

*SECTION 3... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or fiscal thereto by the department and that the same is approved and the well operator authorized to proceed.

MARS-556

PERMIT NUMBER

47 051

02/26/2016

BLANKET FIELD

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If known) _____ RESPONSIBLE AGENT: _____
 NAME Company Ric _____ NAME Mr. D. M. Ehlington _____
 ADDRESS _____ ADDRESS P.O. Box 496, Washington, Pa. 15 _____
 TELEPHONE _____ TELEPHONE (412) 225-8340 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 2,000' ROTARY _____ CABLE TOOLS X _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun _____
 TYPE OF WELL: OIL _____ GAS _____ COMB. _____ STORAGE X DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
XX 10-3/4	60'	60'	20 Sks.
9 - 5/8			
8 - 5/8	850'	850'	110 Sks.
7	1850'	1850'	140 Sks.
5 1/2			
4 1/2	2000'	2000'	220 Sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET 50' SALT WATER _____ FEET 1550'
 APPROXIMATE COAL DEPTHS 770'-780' (Pittsburgh)
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

FEB 16 2016

Department of Environmental Protection

Per Coal Company

Official Title

02/26/2016

5100556 P

1) Date: January 12, 2016
2) Operator's Well No. SGW-103
3) API Well No. 47-51-00556
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 Albert Paczewski JR
Address 2101 Dry Ridge Rd ✓
Cameron, WV 26033

(b) Name _____
Address _____

(c) Name _____
Address _____

(6) INSPECTOR Eric Blend
Address PO BOX 2115
Wheeling, WV 26003
Telephone (304) 552-~~3874~~ 1179

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

(b) COAL OWNER(S) WITH DECLARATION:
Name _____
Address _____

(c) COAL LESSEE WITH DECLARATION:
Name _____
Address _____

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.

Received
JAN 20 2016
Office of Oil and Gas
WV Dept. of Environmental Protection

WELL OPERATOR Consolidation Coal Company
By Mason Smith
Its Project Engineer
Address 6126 Energy Road
Moundsville WV 26041
Telephone (304) 843-3565
Mason Smith

Subscribed and sworn before me this 13th day of January, 20 16
Joseph E Williams Notary Public
Marshall County, State of West Virginia
My commission expires June 5th, 20 24



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.

02/26/2016

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 _____

Watershed Wheeling Quadrangle Majorsville, 7.5'

Elevation 1288.95' County Marshall District Webster

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)
- X Other (Explain Tanks, see attached letter)

Received

JAN 20 2016

Office of Oil and Gas
WV Dept. of Environmental Protection

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 Mason Smith 1-13-16

Company Official (Typed Name) Mason Smith

Company Official Title Project Engineer

Subscribed and sworn before me this 13th day of January, 2016

Joseph C. Williams

My commission expires June 5th, 2024



**MURRAY AMERICAN ENERGY, INC.
& CONSOLIDATION COAL COMPANY**

**MURRAY AMERICAN ENERGY,
INC. & CONSOLIDATION COAL
COMPANY**

46226 National Road
St. Clairsville, OH 43950

phone: 304.843.3565

fax: 304.843.3546

e-mail: MasonSmith@coalsource.com

MASON SMITH

Project Engineer

January 12, 2016

Department of Environmental Protection
Office of Oil and Gas
601-57th Street
Charleston, WV 25320

To Whom It May Concern,

As per the Division of Environmental Protection, Office of Oil and Gas request, Consolidation Coal Company submits the following procedures utilizing pit waste.

Upon submitting a well work application (without a general permit for Oil & Gas Pit Waste Discharge Application), Consolidation Coal Company 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 facilities number U-0033-83, O-1001-00, U-1035-91U-46-84, U-78-83, O-1044-9, or U-100-83.

Sincerely,



Mason Smith
Project Engineer

Received

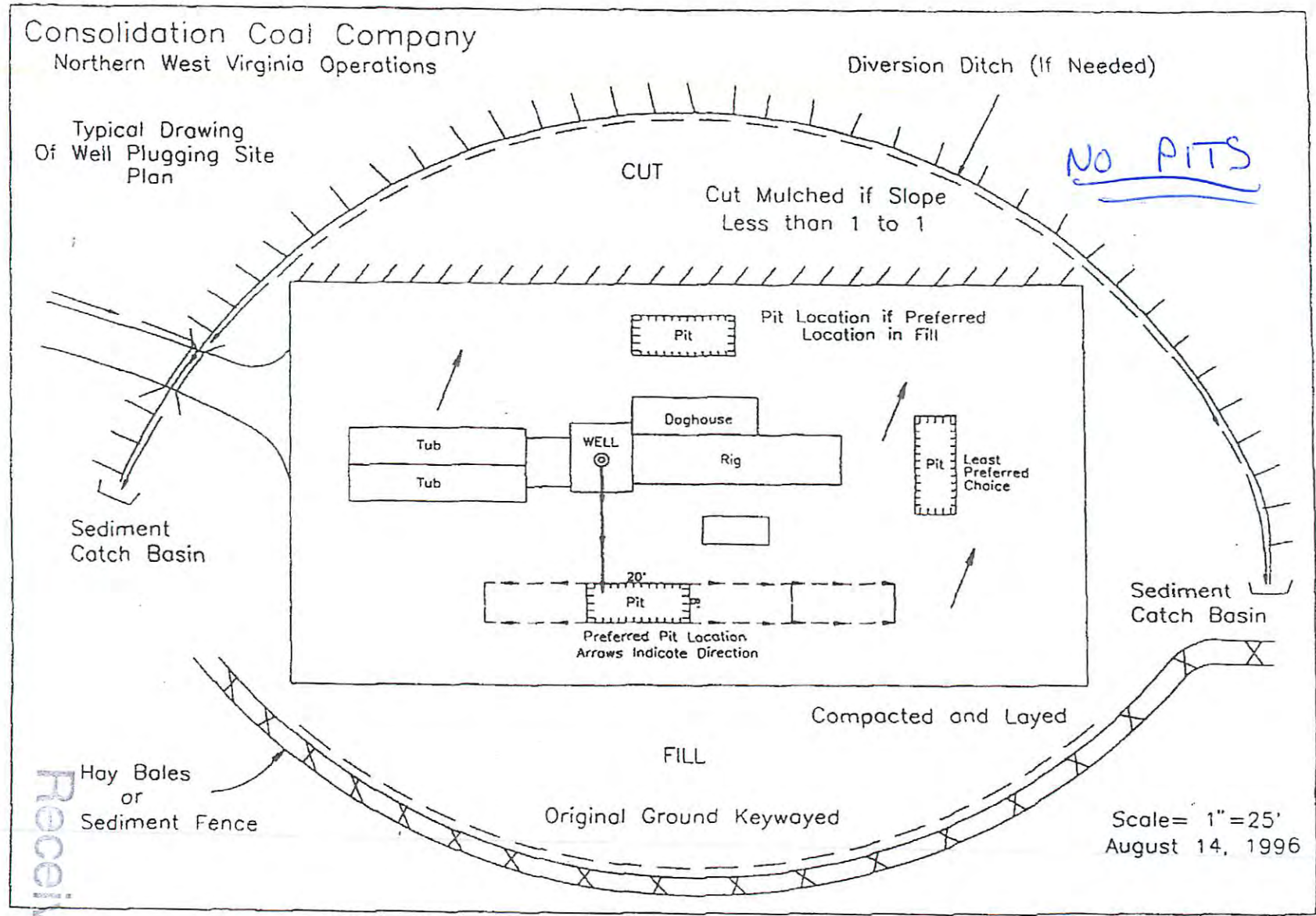
JAN 20 2016

Office of Oil and Gas
WV Dept. of Environmental Protection

02/26/2016

Consolidation Coal Company
Northern West Virginia Operations

Typical Drawing
Of Well Plugging Site
Plan



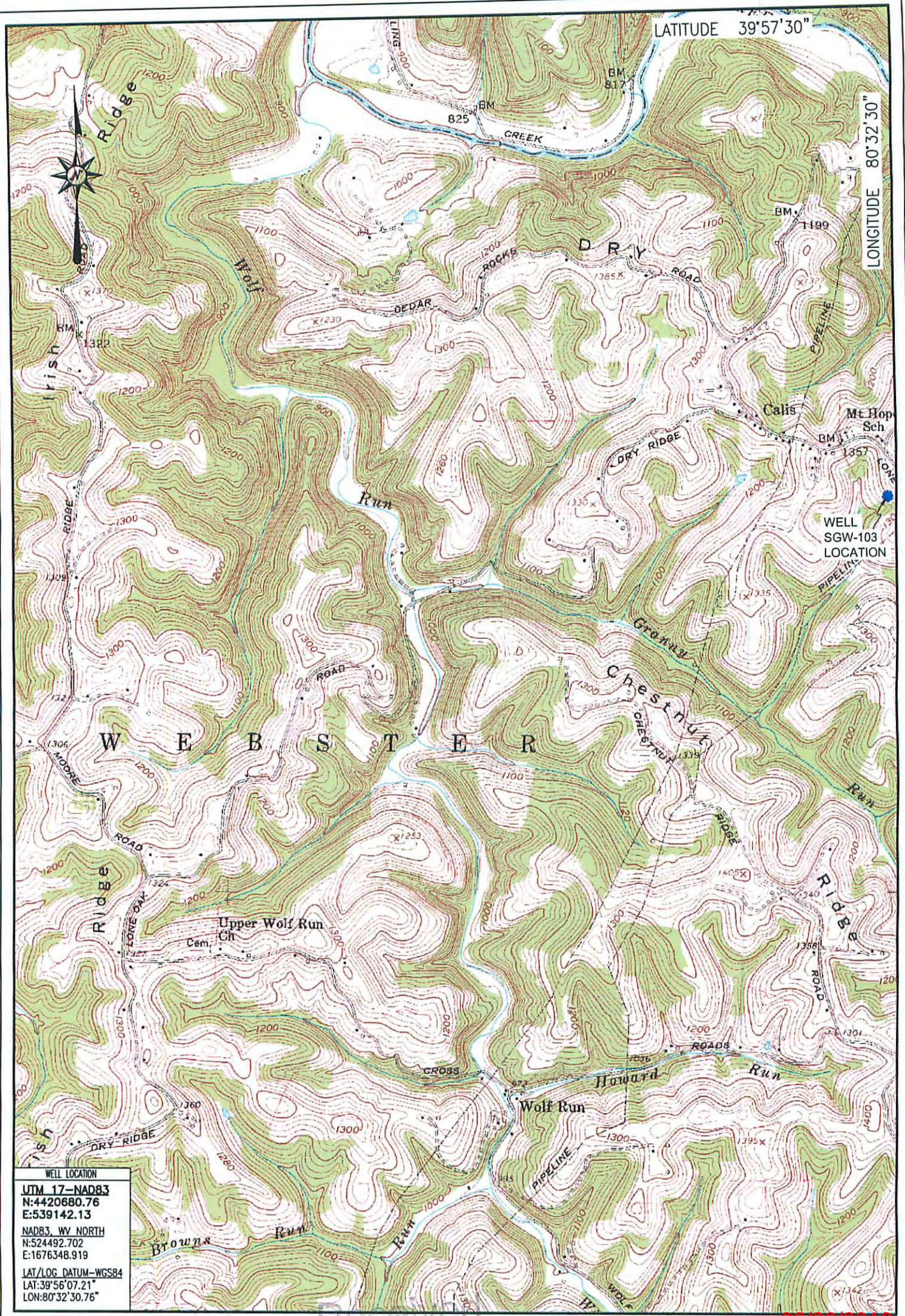
NO PITS

Office of Oil and Gas
WV Dept. of Environmental Protection

JAN 20 2016

Received

SI00556P



WELL LOCATION
 UTM 17-NAD83
 N:4420680.76
 E:539142.13
 NAD83, WV NORTH
 N:524492.702
 E:1676348.919
 LAT/LOG DATUM-WGS84
 LAT:39°56'07.21"
 LON:80°32'30.76"

02/26/2016

Blue Mountain Inc.
 10125 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 662-6486

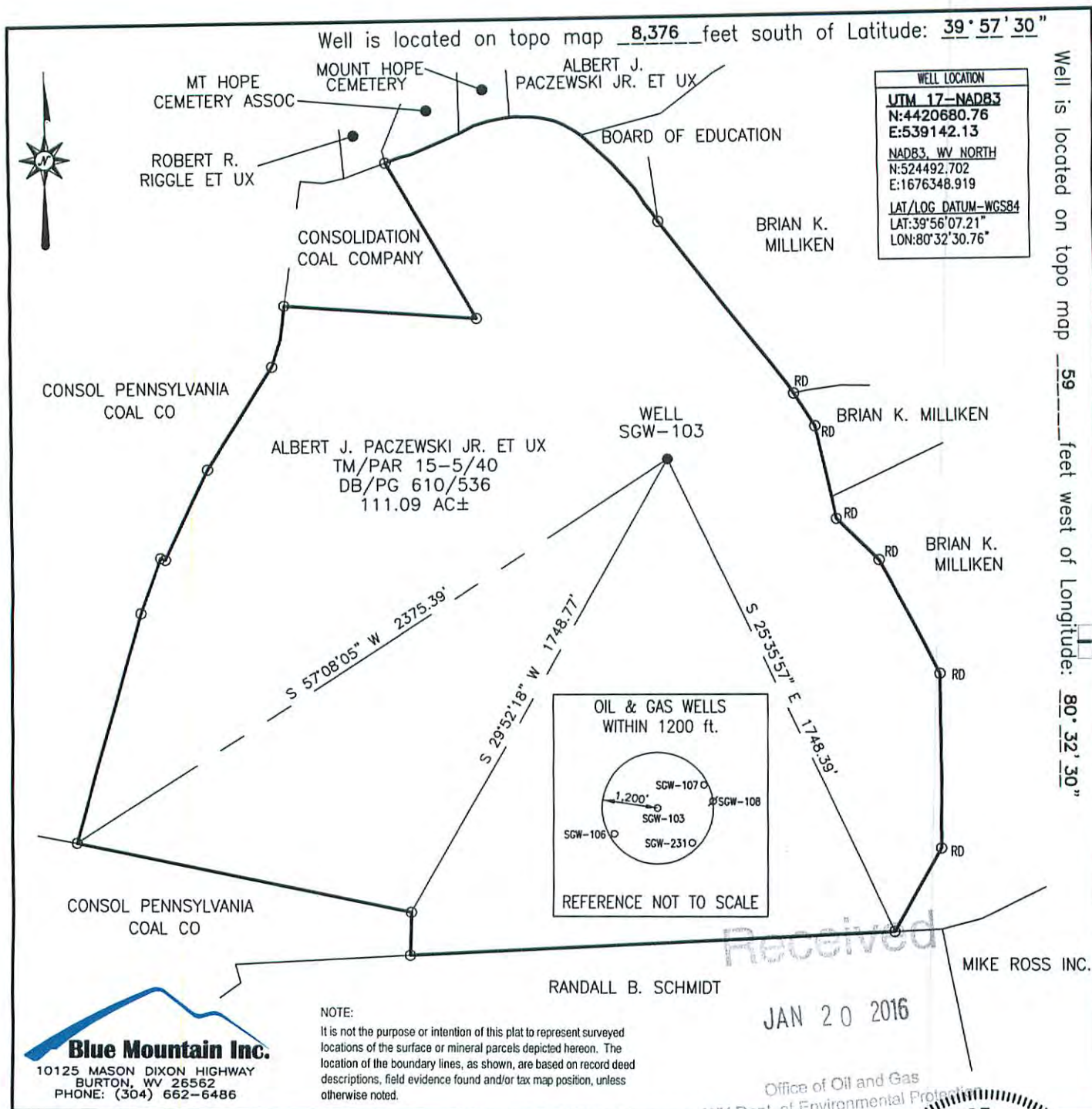
JAN 20 2016

LOCATION MAP
JANUARY 7, 2016

SGW-103
 MAJORSVILLE, QUADRANGLE
 WEST VIRGINIA
 WV Dept. of Environmental Protection

SCALE 1" = 2000'
 0' 2000' 4000' 6000'





FILE #: SGW-103
 DRAWING #: SGW-103
 SCALE: 1" = 500'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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.

Signed: [Signature]
 R.P.E.: _____ L.L.S.: P.S. No. 2000

Office of Oil and Gas
 West Virginia Department of Environmental Protection

GEORGE D. SIX
 LICENSED
 No. 2000
 STATE OF WEST VIRGINIA
 PROFESSIONAL SURVEYOR

PLACE SEAL HERE

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

OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304

DATE: JANUARY 7, 2016
 OPERATOR'S WELL #: SGW-103
 API WELL #: 47 51 00556 P
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: WHEELING CREEK ELEVATION: 1288.95'
 COUNTY/DISTRICT: MARSHALL/WEBSTER QUADRANGLE: MAJORSVILLE, WV-PA 7.5'
 SURFACE OWNER: ALBERT J. PACZEWSKI JR. ET UX ACREAGE: 111.09±
 OIL & GAS ROYALTY OWNER: _____ ACREAGE: _____

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: _____ ESTIMATED DEPTH: _____

WELL OPERATOR CONSOLIDATION COAL CO., OHIO VALLEY OPERATIONS DESIGNATED AGENT RONNIE HARSH
 Address 6126 ENERGY DRIVE Address 6126 ENERGY DRIVE
 City MOUNDSVILLE State WV Zip Code 26041 City MOUNDSVILLE State WV Zip Code 26041

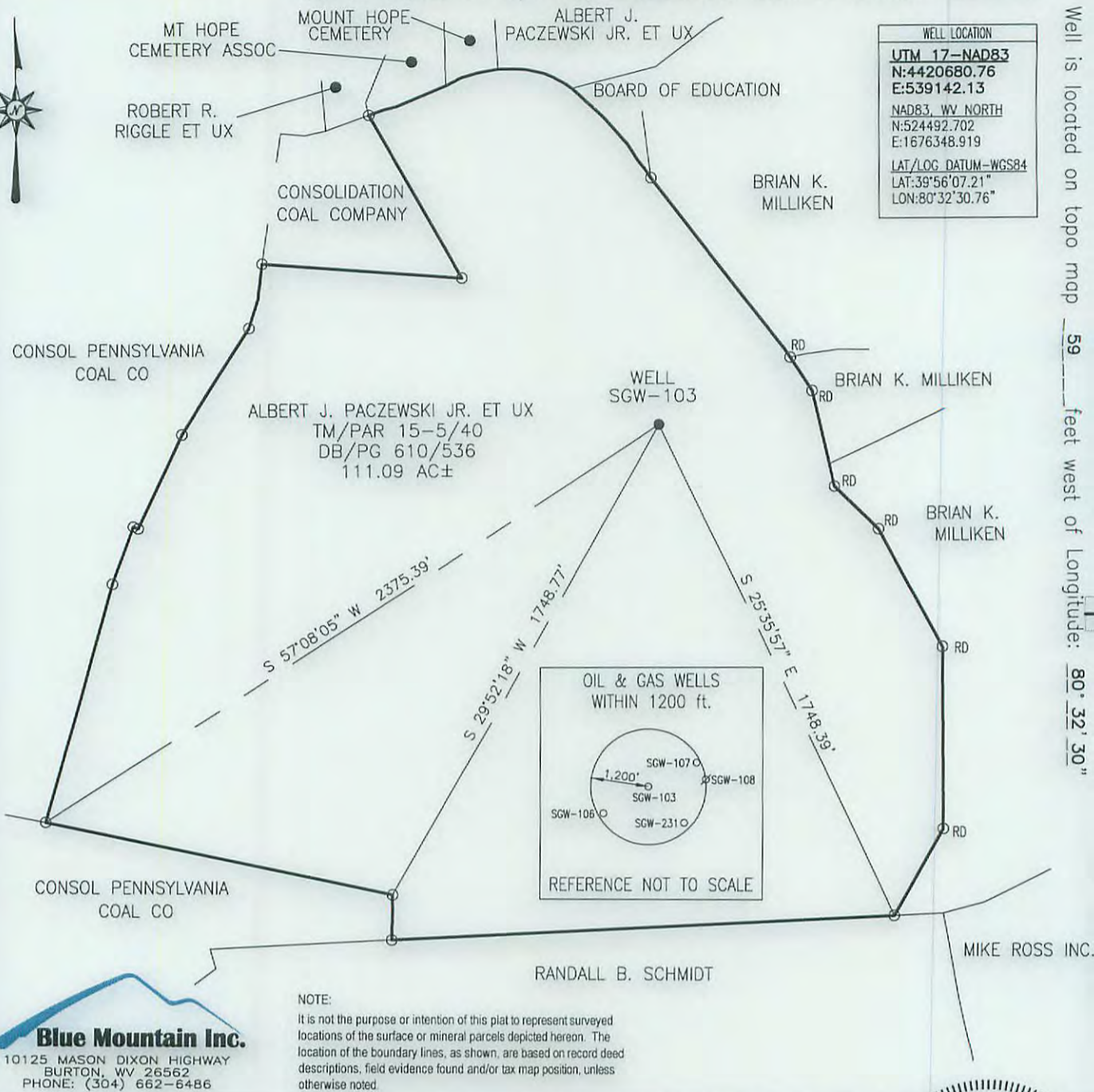
02/26/2016

Well is located on topo map 8,376 feet south of Latitude: 39° 57' 30"

Well is located on topo map 59 feet west of Longitude: 80° 32' 30"



WELL LOCATION
UTM 17-NAD83
 N:4420680.76
 E:539142.13
 NAD83, WV NORTH
 N:524492.702
 E:1676348.919
 LAT/LOG DATUM-WGS84
 LAT:39°56'07.21"
 LON:80°32'30.76"



Blue Mountain Inc.
 10125 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 662-6486

NOTE:
 It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

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02/26/2016