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

January 19, 2016

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5100518, 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 penalities 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: 1-S-18-50
Farm Name: THOMAS, C. E.
API Well Number: 47-5100518
Permit Type: Plugging
Date Issued: 01/19/2016

Promoting a healthy environment.

5100518 P

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.

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

January 15, 2016

Michael and Linda Burkey
C/O Michael Burkey
mburkey@earthlink.com

Re: Operator Comments from Consolidation Coal Company regarding API # 47-051-00518 P.

Dear Michael and Linda Burkey:

The Office of Oil and Gas (OOG) has completed its review of the above referenced permit application submitted by Consolidation Coal Company. Our staff examined the permit to ensure compliance with all applicable requirements. Also, your comments were sent to the applicant to ensure it is aware of your concerns. The applicant's responses are enclosed for your records.

After considering your comments, the applicant's responses, along with the operator transfer documents, the OOG has determined that the application meets the requirements set forth in Article 6, Chapter 22 of the West Virginia Code and Legislative Rule Title 35 Series 4. Consequently, the OOG is issuing the permit today. For your information and convenience, I am including with this letter a copy of the permit as issued.

Please contact Jeff McLaughlin at (304) 926-0499, extension 1614 if you have questions.

Sincerely,

Jeffrey W. McLaughlin

Jeffrey W. McLaughlin
Technical Analyst
WVDEP Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
304-926-0499 ext. 1614

5100518P

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 5, 2016

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

Jeffrey W. McLaughlin,

In regards to the objection comments to the plugging permit for API# 47-051-00518 Consolidation Coal Company, a subsidiary of Murray Energy Corporation, purchased the well from Mike Ross, INC. as listed on the attachment. The bond name for this company is however Ross and Wharton. With this documentation we believe we are the rightful owner of this well. Being the rightful owner, Consolidation Coal Company desires to plug this well as the owner/operator of said well.

Sincerely,

Mason Smith
Project Engineer

RECEIVED
Office of Oil and Gas

JAN 5 2016

WV Department of
Environmental Protection

RECEIVED
Office of Oil and Gas

JAN 5 2016

WV Department of
Environmental Protection

51005189

Mike Ross, Inc
Box 219
Coalton, WV 26257
2-18-97

BOOK 583 PAGE 342 BOOK 11 PAGE 439

THIS ASSIGNMENT AND BILL OF SALE is made the 3RD day of FEBRUARY, 1997, by and between CLOWSER WELL SERVICE, whose mailing address is Route #3, Box 27-A, Salem, West Virginia 26426 (hereinafter "Assignor") and MIKE ROSS, INC. whose mailing address is PO BOX 219, COALTON, WV 26257, (hereinafter "Assignee").

For and in consideration of the sum of Ten Dollars ($10.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and subject to the conditions, reservations and exceptions hereinafter set out, Assignor does hereby grant, bargain, sell, transfer, assign, convey and deliver to Assignee, the following (hereinafter "Interests"):

1. Assignor's right, title and undivided interest in and to the oil and gas leases, subject to the reservations, if any, contained herein, as well as all agreements, permits, overriding royalties, royalties, rights-of-way and easements pertaining to the leases and the lands covered thereby, situated in Marshall County, West Virginia, and more particularly set out and described on Exhibit "A", attached hereto and made a part hereof; AND

2. All of Assignor's right title and interest in and to personal property, all oil and/or gas wells as described on Exhibit "B", all well and leasehold equipment, lease inventories, and any other property of a real, personal or mixed nature insofar and only insofar as said property is associated with and related to production from a portion of the oil and gas leases as described on Exhibit "A".

TO HAVE AND TO HOLD the Interests unto Assignee, its successors or assigns forever, without any covenants or warranties of any kind, whether express, implied or statutory, including any warranty of title, warranty of merchantability, or warranty of fitness for a particular purpose. Assignor also

expressly disclaims and negates any implied or express warranty as to the accuracy of any of the information furnished with respect to the existence or extent of reserves or the value of the Interests or the condition or state of repair of any of the Interests and any express or implied representation or warranty as to the prices Assignee will be entitled to receive from the production of oil and/or gas from the Interests.

This Assignment and Bill of Sale is also made subject to the following conditions:

1. On and after the effective date of this Assignment and Bill of Sale, it is expressly understood that Assignee, for its successors or assigns, agrees to pay and assume the performance of all future leasehold commitments of Assignor associated with the Interests hereby assigned, conveyed and sold, and discharge of any and all future liabilities, obligations and debts with which such Interests are burdened including, but not limited to future leasehold royalties, overriding royalties or production payments and any express or implied obligations arising out of such lease which may be included in the Interests hereby conveyed.

2. Assignee, for the same consideration recited hereinabove, covenants and agrees with Assignor as follows:

(a) On and after the effective date of this Assignment and Bill of Sale, Assignee, its successors and assigns, shall be solely responsible for and shall comply with all applicable federal, state and local statutes, rules or regulations regarding ownership, control, operation, plugging and abandonment, if any, of all active and inactive wells located upon the Interests conveyed hereby including, but not limited to the posting of any bond required by any authority having jurisdiction;

(b) On and after the effective date of this Assignment and Bill of Sale, Assignor shall be relieved of all further responsibility for the maintenance, operation, plugging and abandonment of any wells included in the Interests being conveyed herein, such responsibility having been specifically assumed by Assignee;

(c) Assignee specifically covenants and agrees with Assignor that should Assignee elect to further assign the Interests, such assignment shall not relieve Assignee of its duty to Assignor to insure the proper plugging and abandonment of any wells included with the Interests conveyed hereunder;

(d) On and after the effective date of this Assignment, Assignee shall take all necessary actions to substitute itself for Assignor upon any bond or other obligation in favor of any federal, state or local agency, specifically assuming all such performance requirements as therein specified; such action as necessary to comply herewith shall be at Assignee's sole expense and Assignor requires proof of such compliance; and

(e) Without in any way limiting any of the responsibilities, duties and obligations undertaken elsewhere herein, on and after the effective date of this Assignment, Assignee agrees to protect, indemnify and save harmless Assignor from any and all liability and all costs, expense, fees, penalties, etc., relating to or arising out of and after the inception of Assignee's ownership and operation of the Interests including failure on Assignee's part to properly comply with any of the conditions and terms of this Assignment and Bill of sale.

Assignee executes this instrument in acknowledgement of its acceptance of this Assignment and Bill of Sale as a complete and final release of any and all claims for damages or compensation it may have against Assignor, including its parent or related

corporations, whether such claims are under the terms of the Interests, based upon or resulting from oil and gas operations on the lands covered by the Interests or other lands, or otherwise derived.

This Assignment and Bill of Sale shall be binding upon and shall inure to the benefit of the parties hereto and their successors or assigns, and all persons claiming by, through or under any of the parties hereto.

This Assignment and Conveyance shall be effective as of 7:00 A.M. (E.S.T.) on the 4th day of February, 1997.

ASSIGNOR
CLOWSER WELL SERVICE

BY: x John Clowser
JOHN CLOWSER, ITS PRESIDENT

ASSIGNEE
MIKE ROSS, INC.

BY: Mike Ross

ITS: Chairman of the Board

STATE OF West Virginia,
COUNTY OF x Upshur, TO-WIT:

I, x Irene Murray, a Notary Public in and for the County and State aforesaid, do hereby certify that John Clowser, President, whose name is signed to the foregoing Assignment and Bill of Sale, bearing date on the x 3rd day of February, 1997, has this day acknowledged the same before me in my said County and State, on behalf of Clowser Well Service.

My commission expires: November 3, 2003.

(OFFICIAL SEAL)

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
IRENE MURRAY
10 EAGLE ST.
BUCKHANNON, WV 26201
My Commission Expires Nov. 3, 2003

Irene Murray
Notary Public

5100518P

BOOK 583 PAGE 346 BOOK 11 PAGE 443

STATE OF West Virginia,

COUNTY OF Upshur, TO-WIT:

I, Ilene Murray, a Notary Public in and for the County and State aforesaid, do hereby certify that Mike Ross, Inc by Mike Ross, its C.O.B, whose name is signed to the foregoing Assignment and Bill of Sale, bearing date on the 3rd day of February, 1997, has this day acknowledged the same before me in my said County and State, on behalf of Mike Ross Inc.

My commission expires: November 3, 2003.

(OFFICIAL SEAL) OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA ILENE MURRAY 93 EAGLE ST. BUCKHANNON, WV 26201 My Commission Expires Nov 3

Ilene Murray
Notary Public

Prepared by:

Roy D. Law
Attorney at Law
P. O. Drawer T
Buckhannon, WV 26201
(304-472-2955)

/Q1/AW4/HARRISONJR/LF041494

5100518P

(Court House) 304. 845.2130
(County Clerk) 304. 845.1220

BOOK 11 PAGE 444

BOOK 583 PAGE 347

EXHIBIT "A"

Attached to and made a part of the Assignment and Bill of Sale from Clowser Well Service to

---

AEI LL NO.:	48209-00
PROD. LEASE NO.:	347508 208 Acs
DATE OF LEASE:	March 25, 1961
LESSOR:	Richard J. Fitzsimmons, et ux
LESSEE:	Union Carbide Corporation
RECORDING DATA:	Deed Book 361, Page 21 of the Records of the Clerk of the County Court of Marshall County West Virginia
DESCRIPTION:	All lands described in said lease

AEI LL NO.:	48312-00
PROD. LEASE NO.:	347508 55 Acs
DATE OF LEASE:	April 20, 1963
LESSOR:	William Hazlett
LESSEE:	Union Carbide Corporation
RECORDING DATA:	Deed Book 361, Page 521 of the Records of the Clerk of the County Court of Marshall County, West Virginia
DESCRIPTION:	All lands described in said lease

AEI LL NO.:	48314-00
PROD. LEASE NO.:	347508 84 Acc
DATE OF LEASE:	April 20, 1963
LESSOR:	Clarence E. Thomas, et ux
LESSEE:	Union Carbide Corporation
RECORDING DATA:	Deed Book 361, Page 529 of the Records of the Clerk of the County Court of Marshall County, West Virginia
DESCRIPTION:	All lands described in said lease

AEI LL NO.:	48316-00
PROD. LEASE NO.:	347508 20 Acs
DATE OF LEASE:	April 18, 1963
LESSOR:	Alice Fitzsimmons
LESSEE:	Union Carbide Corporation
RECORDING DATA:	Deed Book 361, Page 537 of the Records of the Clerk of the County Court of Marshall County, West Virginia
DESCRIPTION:	All lands described in said lease

AEI LL NO.:	48326-00
PROD. LEASE NO.:	347508 14.11 Acs
DATE OF LEASE:	May 16, 1963
LESSOR:	George James, et ux
LESSEE:	Union Carbide Corporation
RECORDING DATA:	Deed Book 361, Page 579 of the Records of the Clerk of the County Court of Marshall County, West Virginia
DESCRIPTION:	All lands described in said lease

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BOOK 583 PAGE 348

BOOK 11 PAGE 445

AEI LL NO.: 48353-00
PROD. LEASE NO.: 347508 1 Ac
DATE OF LEASE: June 25, 1963
LESSOR: Thomas J. West, et ux
LESSEE: Union Carbide Corporation
RECORDING DATA: Deed Book 363, Page 99 of the Records of the Clerk of the County Court of Marshall County, West Virginia
DESCRIPTION: All lands described in said lease

AEI LL NO.: 48354-00
PROD. LEASE NO.: 347508 128 Ac
DATE OF LEASE: May 28, 1963
LESSOR: Richard J. Fitzsimmons, et ux, et al
LESSEE: Union Carbide Corporation
RECORDING DATA: Deed Book 363, Page 107 of the Records of the Clerk of the County Court of Marshall County, West Virginia
DESCRIPTION: All lands described in said lease

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BOOK 11 PAGE 446

BOOK 583 PAGE 349

EXHIBIT "B"

Attached to and made a part of the Assignment and Bill of Sale from Clowser Well Service to

WELL NAME & NO.	AEI PL NO.	API PERMIT NO.	AEI WELL NO.
R. J. Fitzsimmons Well No. 1	347508	47-051-0515	155920
R. J. Fitzsimmons Well No. 2	347508	47-051-0517	155930
C. Thomas Well No. 1	347508	47-051-0518	155940

STATE OF WEST VIRGINIA, MARSHALL COUNTY, SCT.:

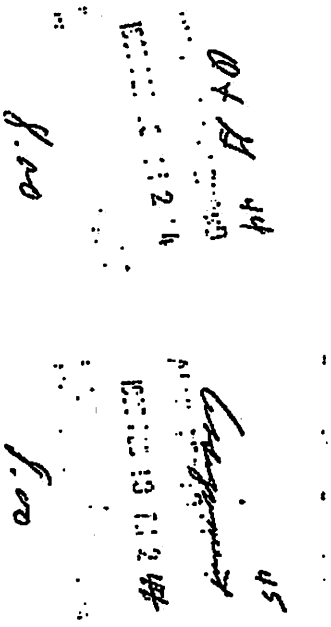
I, NORMA GLOVER SINE, Clerk of the County Commission of said County, do hereby certify that the annexed writing, bearing date on the 3rd day of February, 1992, was presented for and by me, admitted to record in my office upon the above certificate as to the parties therein named this 13th day of February 1992 at 2:44 o'clock P.M.

CPS 1GN 1-90

TESTE: Norma Glover Sine Clerk

5100518P

Ret to Mike Ross, Sec
Box 219
Coalton WV 26257



51 00518 P

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

1.) Date: October 1, 2015
2.) Operator's Well No. SGW-237
3.) API Well No. 47 - 51 - 00518.
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: 1308.80' Watershed: Wheeling Creek

District: Webster County: Marshall Quadrangle: Majorsville 7.5'

6.) WELL OPERATOR Consolidation Coal Company
Address 1 Bridge Street
Monongah, WV 26551

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

8.) OIL & GAS INSPECTOR TO BE NOTIFIED
Name James Nicholson
Address PO BOX 44
Moundsville, WV 26041

9.) PLUGGING CONTRACTOR
Name _____
Address _____

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

SEE EXHIBIT NO. 1

MSHA 101C APPROVED METHOD.
FOR MINE THROUGH.

BY WV STATE CODE, ALL PLUGS MUST BE A MINIMUM OF 100' IN THICKNESS AND CLASS A CEMENT. MECHANICAL PLUGS MAY BE USED, BUT MUST BE USED IN CONJUNCTION WITH A CLASS A CEMENT PLUG.

JWM

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

Received
Office of Oil & Gas
OCT 07 2015

OK

JWM

Work order approved by inspector _____ Date _____

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EXHIBIT NO. 1

101C

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.

4½ 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 4½ 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 4½ 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".

Received
Office of Oil & Gas
OCT 07 2015

A4/ENGR/EXHIBIT1.RED

5100518P

RECEIVED
OCT 22 1990
W. J. SCHELLER

U. S. Department of Labor
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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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~~ cement 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~~ cement

5100518P

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, drivage sights shall be installed at the last open crosscut near the place to be mined to ensure intersection of the well, and again if

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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 tail-gate 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 inby 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.

5100518P

(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

Edward C. Hugler
Deputy Administrator
for Coal Mine Safety and Health

5100518P

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

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

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

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

Mary Ann Griffin

MARY ANN GRIFFIN
Mine Safety Clerk

5100578P

Form OG-10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 24

WELL RECORD

Rotary ☐
Spudder ☐
Cable Tools ☑
Storage ☐

Quadrangle Cameron

Permit No. MARS-518

Oil or Gas Well Gas (KIND)

Company Union Carbide Corp., Olefins Div.
Address P. O. Box 8004, So. Chas., W. Va.
Farm Clarence E. Thomas Acres 128.58
Location (waters) Wolf Creek
Well No. 1, Serial No. 18-50 Elev. ~~1314' Gr.~~ 1317' DF
District Webster County Marshall
The surface of tract is owned in fee by Clarence E. Thomas Address RFD # 4, Oyster Rd. Alliance, Ohio
Mineral rights are owned by Same Address
Drilling commenced November 20, 1963
Drilling completed January 30, 1964
Date Shot From To
With
Open Flow 60 /10ths Water in 2 1/2" Inch
/10ths Merc. in Inch
Volume 379,448 Cu. Ft.
Rock Pressure 485# lbs. 24 hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED
WELL FRACTURED

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13 3/8"	20'	20'	
10 3/4"	154'1"	154'1"	Size of
8¼	1256'11"	1256'11"	
6⅝	1773'	1773'	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED ____ SIZE ____ No. Ft. ____ Date

COAL WAS ENCOUNTERED AT 715 FEET 36 INCHES
792 FEET 96 INCHES ____ FEET ____ INCHES
____ FEET ____ INCHES ____ FEET ____ INCHES

RESULT AFTER TREATMENT No treatment
ROCK PRESSURE AFTER TREATMENT
Fresh Water 92-97 Feet ~~1568~~ Salt Water 1560 Feet 1632

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay	Brown	S	0'	7'			
Clay	Gray	S	7	14			
Clay	Pink		14	18			
Shell	Gray	H	18	23			
Clay	Gray	H	23	45			
Clay	Brown		45	92			
Shale	Gray		92	101	Water	92-97	2 BPH
Shale	Pink		101	115			
Shale	Brown		115	125			
Sand			125	130			
Shale	Blue		130	156			
Shale	Pink		156	159			
Sand			159	166			
Shale	Dark		166	195			
Sandy Lime	Gray	H	195	235			
Shale	Gray		235	245			
Lime, Sandy		H	245	260			
Shale & Shells			260	273			
Shale	Pink		273	277			
Lime	Gray		277	290			
Shale	Pink		290	300			
Lime & Shale			300	315			
Sandy Lime	White		315	357			
Shale	Pink		357	360			
Lime	White	H	360	370			
Shale			370	396			
Slate			396	410			
Sandy Lime & Shells			410	430			

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(over)

5100518 P

Formation	Color	Hard or Soft	Top 14	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale	Gray		430	436			
Lime		H	436	446			
Shale	Gray		446	455			
Lime & Shells			455	464			
Shale	Gray		464	490			
Sand		H	490	515			
Slate	Dark		515	519			
Lime			519	528			
Shale			528	532			
Sandy Lime			532	540			
Shale			540	555			
Lime		H	555	585			
Shale	Gray	S	585	610			
Lime			610	615			
Shale & Lime			615	669			
Shale & Shells			669	705			
Lime			705	715			
Mapletown Coal			715	718			
Shale			718	730			
Lime Shells			730	740			
Lime			740	760			
Shale			760	782			
Lime			782	788			
Slate			788	792			
Pittsburgh Coal			792	800			
Lime & Shells			800	832			
Lime			832	845			
Shale			845	865			
Shale	Red		865	870			
Lime			870	880			
Shale	Red		880	885			
Lime			885	892			
Shale	Red		892	912			
Lime		H	912	916			
Shale			916	922			
Shale	Red		922	963			
Broken Lime			963	985			
Shale	Red		985	992			
Shale			992	1008			
Shale	Red		1008	1017			
Lime		H	1017	1023			
Shale	Red		1023	1055			
Shale			1055	1068			
Shale	Red		1068	1076			
Lime			1076	1103			
Shale			1103	1110			
Sandy Lime			1110	1135			
Shale			1135	1140			
Shale	Red		1140	1155			
Sandy Lime			1155	1173			
Shale	Red		1173	1185			
Broken Lime			1185	1215			
Slate			1215	1220			
Shale			1220	1253			
Big Dunkard			1253	1282			
Broken Lime			1282	1327			
Sandy Lime			1327	1340			
Lime			1340	1362			
Broken Lime & Shells			1302	1379			
Lime			1379	1395			
Shale			1395	1404			
Gas Sand			1404	1470			

Date Feb 3, 1964

APPROVED Union Carbide Corp, Olefins Div Owner

By K R Gosnell
(Title)

5100518P

Form OC 10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 24A
Page 2

WELL RECORD

Rotary ☐
Spudder ☐
Cable Tools ☑
Storage ☐

Quadrangle Cameron

Permit No. MARS-518

Oil or Gas Well _____ (KIND)

Company Union Carbide Corp., Olefins Div.
Address
Farm _____ Acres
Location (waters)
Well No. _____ Elev.
District _____ County
The surface of tract is owned in fee by
_____ Address
Mineral rights are owned by
_____ Address
Drilling commenced
Drilling completed
Date Shot _____ From _____ To
With
Open Flow /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED
WELL FRACTURED

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
1			Kind of Packer
13			
10			Size of
8¼			
6⅝			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT
ROCK PRESSURE AFTER TREATMENT
Fresh Water _____ Feet _____ Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Cont.							
Slate			1470	1482			
Lime			1482	1490			
Shale			1490	1505			
Lime Shells			1505	1530			
Shale	Gray	S	1530	1554			
1st Salt Sand			1554	1564	Water	1560'	6 BPH
Slate			1564	1576			
Lime	White	H	1576	1583			
Slate	Dark		1583	1589			
Lime		H	1589	1600			
Sandy Lime			1600	1615			
2d Salt Sand			1615	1648	Water	1632'	HF
Clay			1648	1653			
Lime			1653	1675			
Shale			1675	1678			
Lime		H	1678	1685			
Shale			1685	1690			
Lime			1690	1703			
3d Salt Sand			1703	1757	Gas Water	1705-1707 1736	379 MCF HF
Shale			1757	1770			
Lime			1770	1775			
Slate			1775	1788			
Maxton Sand			1788	1829			
Lime			1829	1840			
Shale			1840	1860			
Lime			1860	1865			
Sand			1865	1878			

(over)

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West Virginia
Dept. of Mines

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Formation	Color	Hard or Soft	Top 24A	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	Black		1878	1891			
Big Lime			1891	1894			
Injun Sand			1894	2049			
Shale			2049	2053			
Injun Sand			2053	2130			
Shale			2130	2149			
Lime			2149	2151			
				2151 TD			

NOTE: Well will be plugged back to 1770'; the 7" casing pulled and 4 1/2" casing cemented to 1770'. The well will then be completed in the Third Salt Sand.

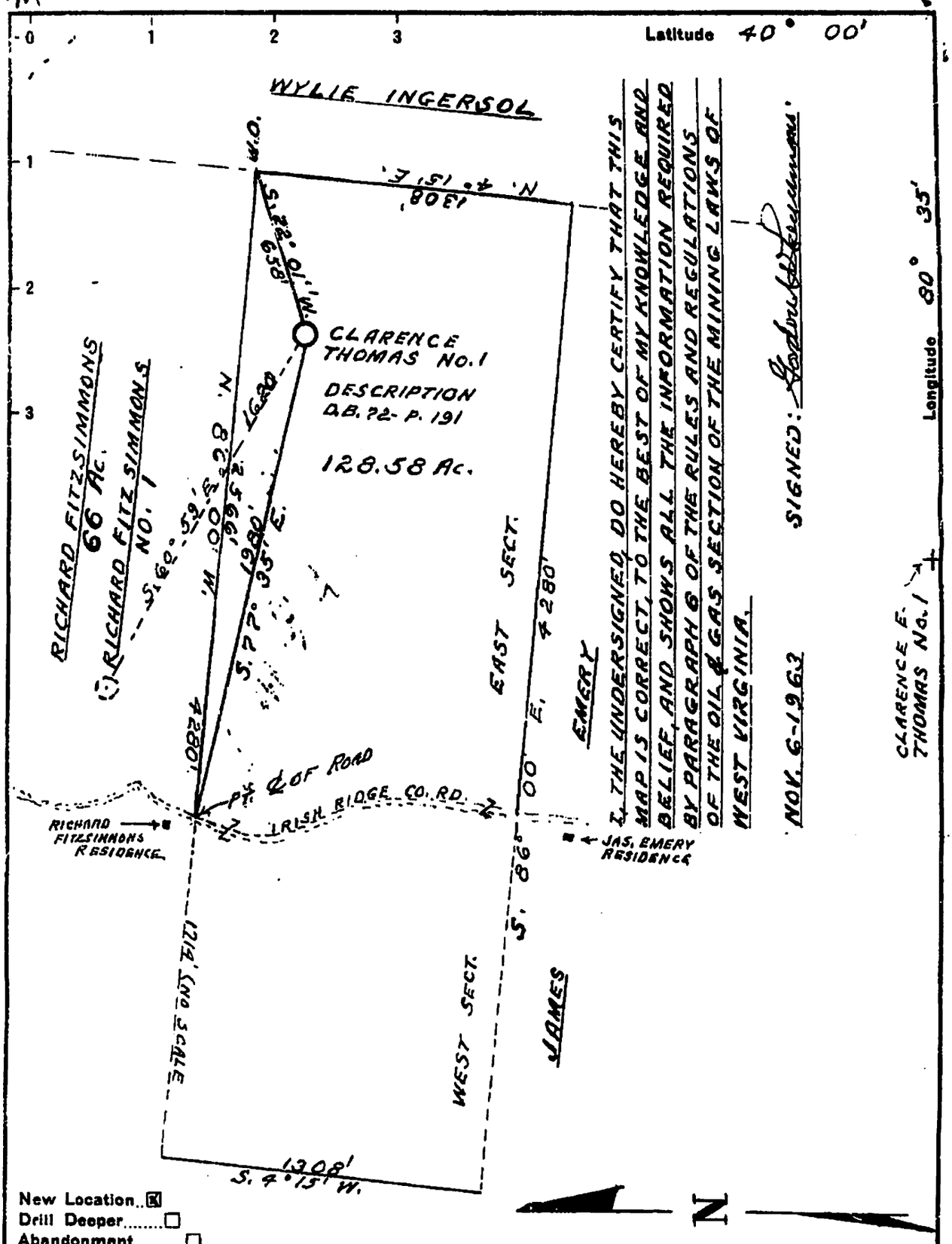
Date February 3, 1964

APPROVED Union Carbide Corp., Olefins Div., Owner

By K. R. Gosnell

K. R. Gosnell (Title) Dist. Prod. Engr.

5100518P



I, THE UNDERSIGNED, DO 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 & GAS SECTION OF THE MINING LAWS OF WEST VIRGINIA.

SIGNED: Gordon W. Sammons

NOV. 6-1963

New Location ☒
Drill Deeper ☐
Abandonment ☐

Company UNION CARBIDE-CORP-OLEFINS DIVISION
Address P.O. BOX 8004 SOUTH CHARLESTON - W. VA.
Farm CLARENCE E. THOMAS
Tract _____ Acres 128.58 Lease No. _____
Well (Farm) No. 1 Serial No. _____
Elevation (Spirit Level) 1314
Quadrangle CAMERON - NC
County MARSHALL District WEBSTER
Engineer Gordon W. Sammons GORDON W. SAMMONS
Engineer's Registration No. 509
File No. _____ Drawing No. _____
Date Nov.-6-1963 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. MARS-518 P.P.

+ 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.

5P0518P

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. Marshall 518 PP Well No. 1-518-50

COMPANY Union Carbide Corp ADDRESS P.O. Box 8004 So Charleston

FARM Clarence E. Hunter DISTRICT Webster COUNTY Marshall

Filling Material Used Clay, Stone and Cement

Liner Location Amount Packer Location

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
Brush Bridge 1900'					13"	20'
Clay 1900 - 1780					18"	154'-1"
Clay & Stone 1780 - 1770				1773	6 5/8"	None
					8 1/4"	1856'11"
4 1/2" Cemented 75 sks					4 1/2"	1765'
producing in 3rd Salt Sand						
8 1/2" Casing protecting coal at						
715' - 36" & 792' - 96"						

Drillers' Names Edison Trimmings Paul Hieronymous

Remarks: Final inspection

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2-28-64 I hereby certify I visited the above well on this date.

DATE

Bryan Sherman

DISTRICT WELL INSPECTOR

5100518P

FORM 20-4

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
PARTIAL
AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

Consolidation Coal Company
COAL OPERATOR OR OWNER
Attn: T. J. Henderson
Cadiz, Ohio
ADDRESS

Emerald Coal Company
COAL OPERATOR OR OWNER
Attn: Hugh H. Jones
1900 Grant Bldg., Pittsburgh, Pa.
ADDRESS

Clarence E. Thomas
LEASE OR PROPERTY OWNER
RFD # 4, Oyster Road
Alliance, Ohio
ADDRESS

Union Carbide Corp., Olefins Division
NAME OF WELL OPERATOR
P. O. Box 8004, So. Charleston, W. Va.
COMPLETE ADDRESS

February 11, 19 64

WELL AND LOCATION

Webster District

Marshall County

Well No. 1, Serial No. 18-50

Clarence E. Thomas Farm

STATE INSPECTOR SUPERVISING PLUGGING Mr. Bryan Shuman

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Marshall } ss:

Edison Isiminger and Paul Hieronymous

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Union Carbide Corporation, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 3rd day of February, 19 64, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED	CASING	
FORMATION		SIZE & KIND	SIZE PULLED	SIZE LEFT IN
Injun Sand	1. Brush Bridge at 1900'			
Maxton Sand	2. Clay 1900 to 1780'			
	3. Pulled 7" casing		1775'	
	4. Clay & Stone 1780 to 1770'			
	Note: 4 1/2" casing was set at 1765', cemented with 75 sacks and the well completed in the Third Salt Sand.			

RECEIVED FEB 1964 West Virginia Dept. of Mines

COAL SEAMS		DESCRIPTION OF MONUMENT
(NAME)		
(NAME)		
(NAME)		
(NAME)		

and that the work of plugging and filling said well was completed on the 4th day of February, 19 64.

And further deponents saith not.

Edison Isiminger
Paul Hieronymous

Sworn to and subscribed before me this 14th day of February, 19 64

Hardy C. Hazel
Notary Public

My commission expires:
July 12, 1971

Permit No. MARS-518-PP

5100518P

FORM WW-4(A)
Revised 6-07

1) Date: October 1, 2015 .
2) Operator's Well No. SGW-237
3) API Well No. 47 – 51– 00518 .
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 Michael J. & Linda Burkey
Address 906 Third St
Moundsville, WV 26041

(b) Name
Address

(c) Name
Address

(6) INSPECTOR James Nicolson
Address PO BOX 44
Moundsville, WV 26041
Telephone (304) 552-3874

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 From 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
Office of Oil & Gas
OCT 07 2015

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 1st day of October, 2015
Joseph E. Williams Joseph E Williams Notary Public
Marshall County, State of West Virginia
My commission expires June 5th, 2024

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Joseph E Williams
1512 Fifth Street
Moundsville, WV 26041
My Commission Expires June 5, 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.

51 00 518P

WW-9
Rev. 5/08

Page _____ of _____
API Number 47 - 051 - 00518
Operator's Well No. SGW-237

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 **Ohio County Coal Company** OP Code _____

Watershed **Wheeling Creek** Quadrangle Majorsville, 7.5'

Elevation **1308.80'** 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**

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 10-1-15

Company Official (Typed Name) **Mason Smith**

Company Official Title **Project Engineer**

Received
Office of Oil & Gas
OCT 07 2015

Subscribed and sworn before me this 1st day of October, 20 15

Joseph E. Williams Joseph E Williams
Notary Public

My commission expires June 5th 2024

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Joseph E Williams
1512 Fifth Street
Moundsville, WV 26041
My Commission Expires June 5, 2024

5100518P

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

October 1, 2015

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.

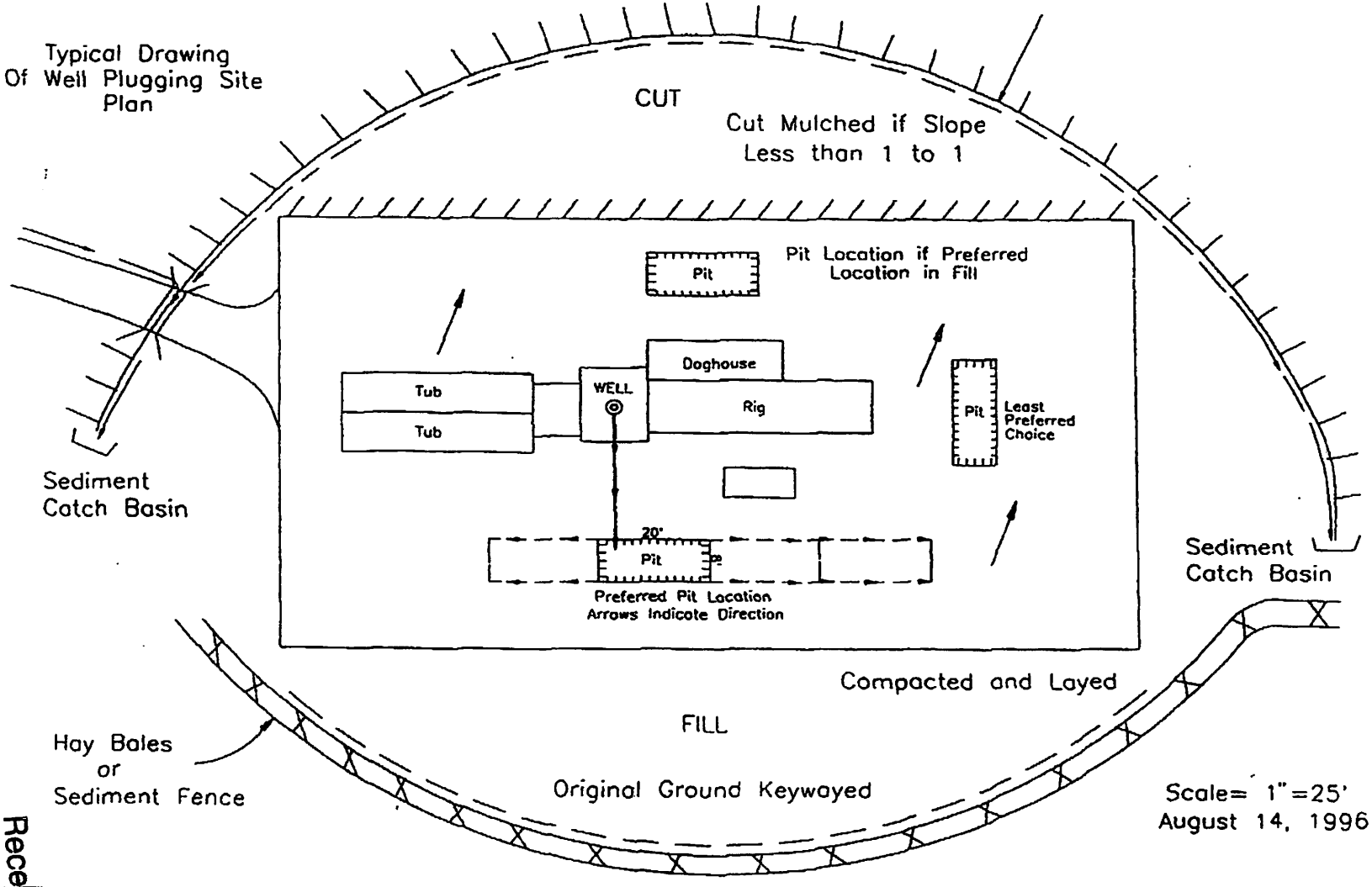
Sincerely,

Mason Smith
Project Engineer

Received
Office of Oil & Gas
OCT 07 2015

Consolidation Coal Company
Northern West Virginia Operations

Typical Drawing
Of Well Plugging Site
Plan



Received
Office of Oil & Gas
OCT 07 2015

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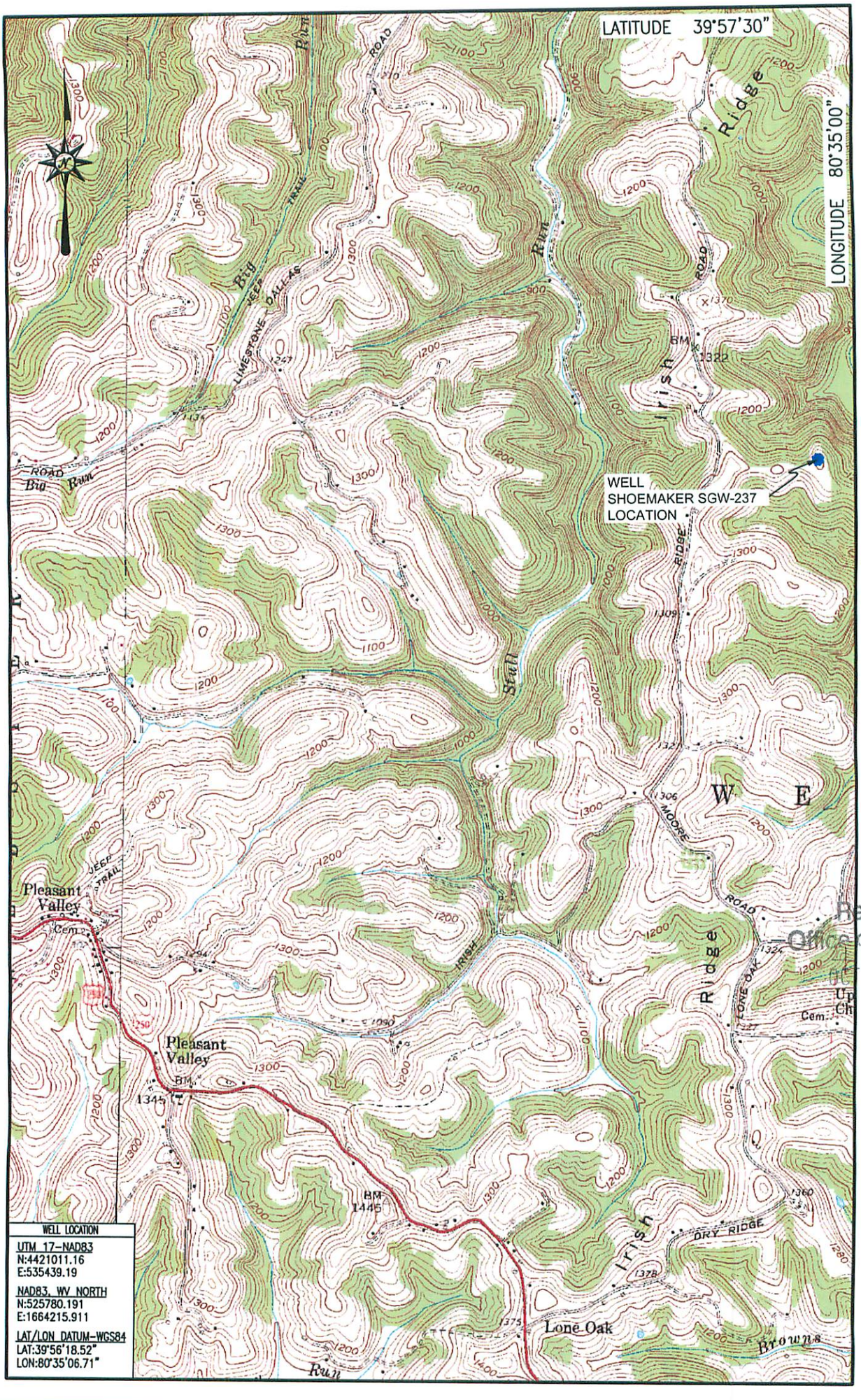


Received
Office of Oil & G
OCT 07 2015

LOCATION MAP
SEPTEMBER 25, 2015

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

SHOEMAKER WELL # SGW-237
MAJORSVILLE QUADRANGLE
WEST VIRGINIA – PENNSYLVANIA

SCALE 1" = 2000'

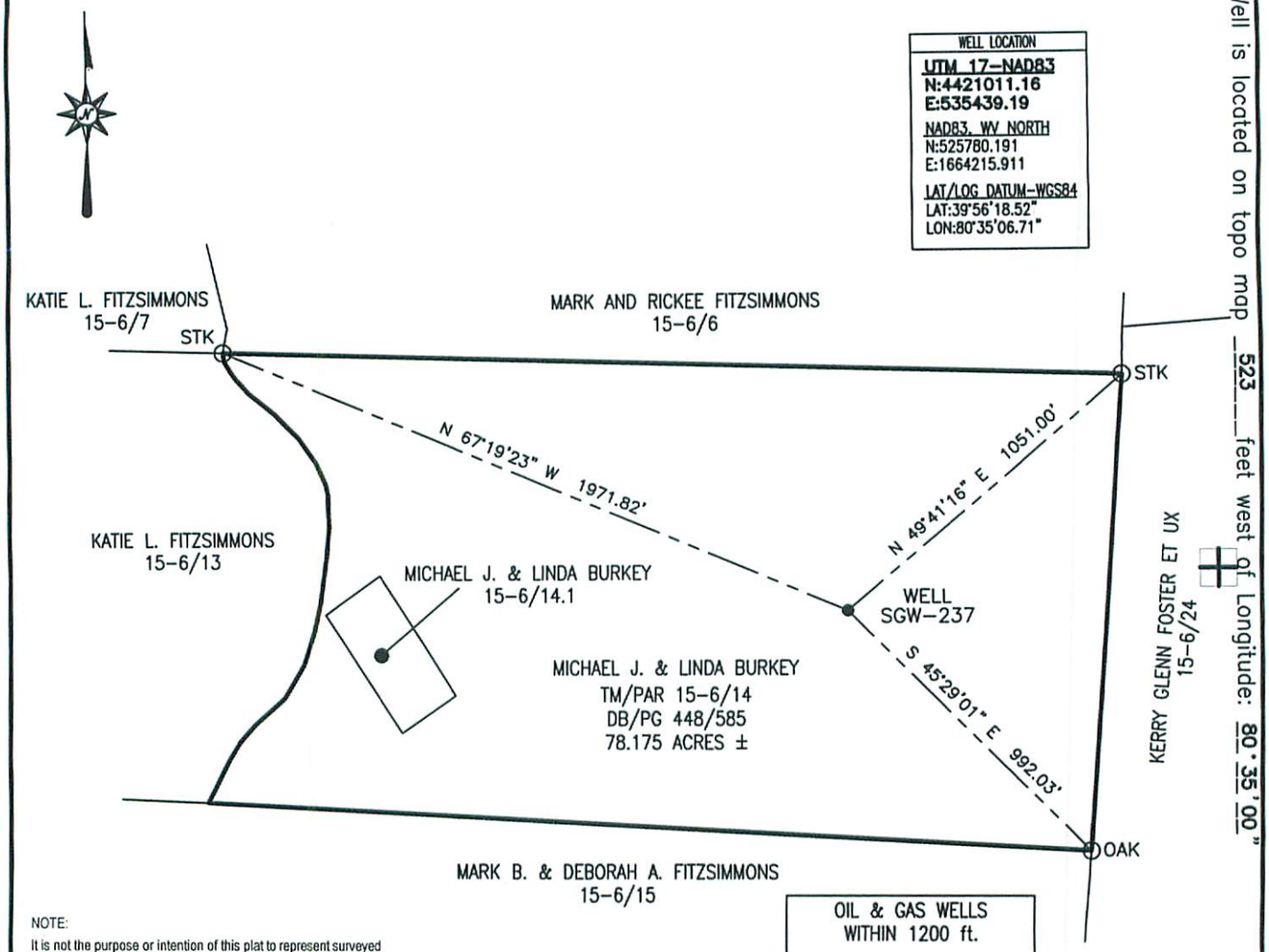
0' 2000' 4000' 6000'

BLUE MOUNTAIN ENGINEERING

5100518 P

Well is located on topo map 7,233 feet south of Latitude: 39°57'30"

Well is located on topo map 523 feet west of Longitude: 80°35'00"



NOTE:
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OIL & GAS WELLS WITHIN 1200 ft.

REFERENCE NOT TO SCALE

Received
Office of Oil & Gas
OCT 07 2015

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

FILE #: SGW-237
DRAWING #: SGW-237
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: George A. Six

R.P.E.: _____ L.L.S.: P.S. No. 2000

GEORGE A. 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: SEPTEMBER 25, 2015
OPERATOR'S WELL #: SGW-237
API WELL #: 47 (STATE) 51 (COUNTY) 00518 (PERMIT)

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

WATERSHED: WHEELING CREEK ELEVATION: 1308.80'
COUNTY/DISTRICT: MARSHALL/WEBSTER QUADRANGLE: MAJORSVILLE, WV-PA 7.5'
SURFACE OWNER: MICHAEL J. & LINDA BURKEY ACREAGE: 78.175 ±
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): _____

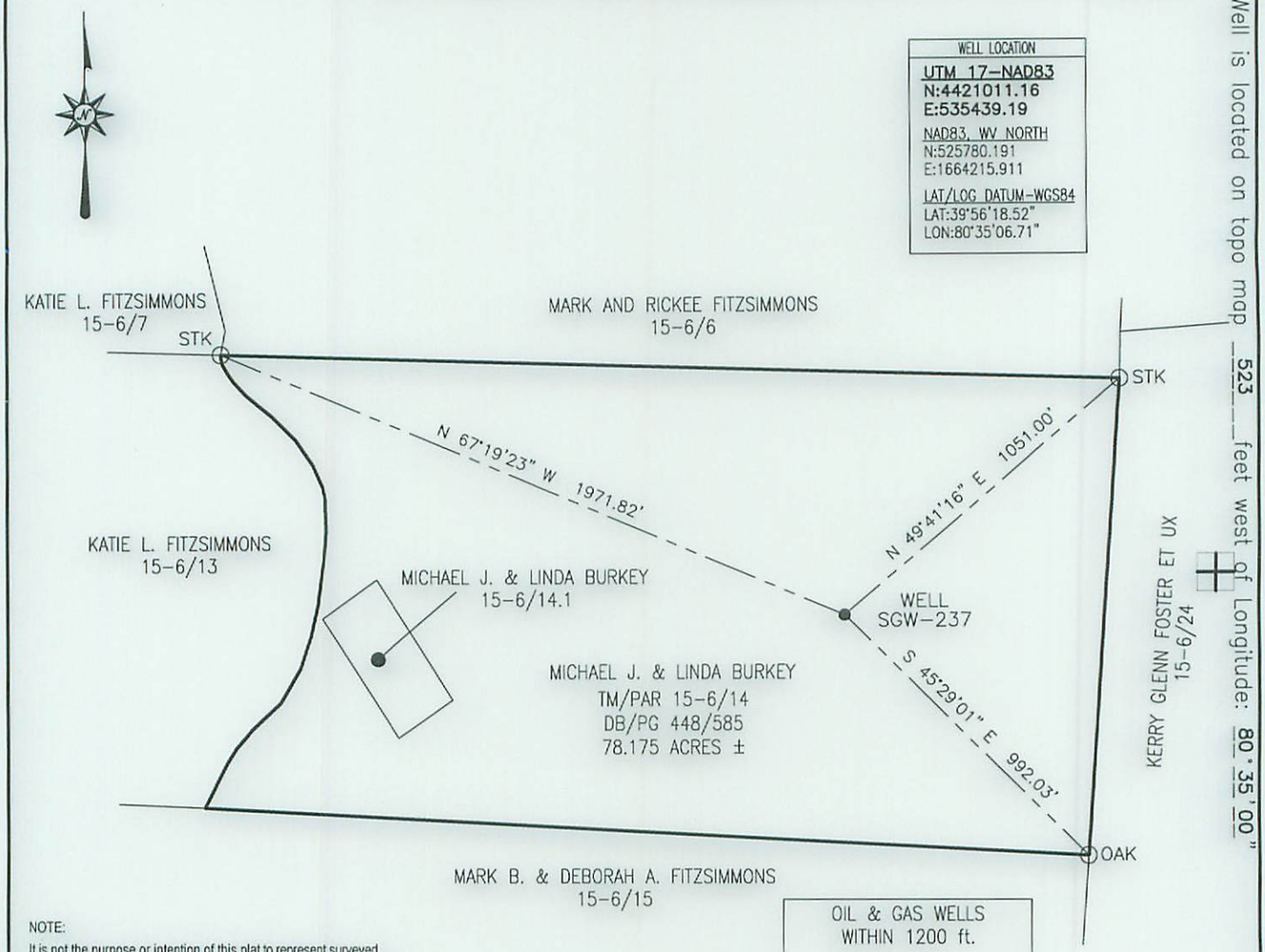
TARGET FORMATION: _____ ESTIMATED DEPTH: _____

WELL OPERATOR CONSOLIDATION COAL COMPANY
Address 6126 ENERGY DRIVE
City MOUNDSVILLE State WV Zip Code 26041

DESIGNATED AGENT RONNIE HARSH
Address 1 BRIDGE STREET
City MONONGAH State WV Zip Code 26554

Well is located on topo map 7,233 feet south of Latitude: 39 ° 57 ' 30 "

Well is located on topo map 523 feet west of Longitude: 80 ° 35 ' 00 "



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