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

Promoting a healthy environment.
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
THIS ASSIGNMENT AND BILL OF SALE is made the 3rd day of February, 1977, by and between CLOWSER WELL SERVICE, whose mailing address is Route 1, Box 27-A, Salem, West Virginia 26426 (hereinafter "Assignor") and MIKE ROSS, INC. (hereinafter "Assignee") whose mailing address is PO BOX 219, COALTON, WV 26627.

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 hereinafore, 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:  
JOHN CLOWSER, ITS PRESIDENT

ASSIGNEE
MIKE ROSS, INC.

BY:  
ITS:  Chairman of the Board

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

I, Ola 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 4th day of February, 1997, has this day acknowledged the same before me in my said County and State, on behalf of Clowser Well Service.


Ola Murray
Notary Public
STATE OF WEST VIRGINA,
COUNTY OF Upshur, TO-WIT:

I, ____Irene Murray____, a Notary Public in and for the County and State aforesaid, do hereby certify that

Mike Law Inc

by

Mike Law

its C.O.E.

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 Law Inc.

My commission expires: November 3, 2003

(Official Seal)

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

//Q1/A#4/HARRISONJR/LF041494

Page - 5
EXHIBIT "A"

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

<table>
<thead>
<tr>
<th>ARI LL NO.</th>
<th>PROD. LEASE NO.</th>
<th>DATE OF LEASE</th>
<th>LESSOR</th>
<th>LESSEE</th>
<th>RECORDING DATA</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>48209-00</td>
<td>347508</td>
<td>March 25, 1961</td>
<td>Richard J. Fitzsimmons, et ux</td>
<td>Union Carbide Corporation</td>
<td>Deed Book 361, Page 21 of the Records of the Clerk of the County Court of Marshall County, West Virginia</td>
<td>All lands described in said lease</td>
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<tr>
<td>48312-00</td>
<td>347508</td>
<td>April 20, 1963</td>
<td>William Baslett</td>
<td>Union Carbide Corporation</td>
<td>Deed Book 361, Page 82 of the Records of the Clerk of the County Court of Marshall County, West Virginia</td>
<td>All lands described in said lease</td>
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<tr>
<td>48314-00</td>
<td>347508</td>
<td>April 20, 1963</td>
<td>Clarence E. Thomas, et ux</td>
<td>Union Carbide Corporation</td>
<td>Deed Book 361, Page 528 of the Records of the Clerk of the County Court of Marshall County, West Virginia</td>
<td>All lands described in said lease</td>
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<tr>
<td>48316-00</td>
<td>347508</td>
<td>April 18, 1963</td>
<td>Alice Fitzsimmons</td>
<td>Union Carbide Corporation</td>
<td>Deed Book 361, Page 579 of the Records of the Clerk of the County Court of Marshall County, West Virginia</td>
<td>All lands described in said lease</td>
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<tr>
<td>48326-00</td>
<td>347508</td>
<td>May 16, 1963</td>
<td>George James, et ux</td>
<td>Union Carbide Corporation</td>
<td>Deed Book 361, Page 579 of the Records of the Clerk of the County Court of Marshall County, West Virginia</td>
<td>All lands described in said lease</td>
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</tbody>
</table>
AEI LL NO.: 48353-00  
PROD. LEASE NO.: 347508  
DATE OF LEASE: June 25, 1963  
LESSOR: Thomas J. West, et ux  
LESSOR: 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  
DATE OF LEASE: May 28, 1963  
LESSOR: Richard J. Fitzsimmons, et ux, et al  
LESSOR: 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
**EXHIBIT "B"**

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

<table>
<thead>
<tr>
<th>WELL NAME &amp; NO.</th>
<th>AEI</th>
<th>API</th>
<th>PERMIT NO.</th>
<th>WELL NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. J. Fitzsimmons Well No. 1</td>
<td>347508</td>
<td>47-051-0515</td>
<td>155920</td>
<td></td>
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<tr>
<td>R. J. Fitzsimmons Well No. 2</td>
<td>347508</td>
<td>47-051-0517</td>
<td>155930</td>
<td></td>
</tr>
<tr>
<td>C. Thomas Well No. 1</td>
<td>347508</td>
<td>47-051-0518</td>
<td>155940</td>
<td></td>
</tr>
</tbody>
</table>

**STATE OF WEST VIRGINIA, MARSHALL COUNTY, S.C.:**

I, NORMA GLOVER SINE, Clerk of the County Commission of said County, do hereby certify that the annexed writing, bearing date on the 19th day of December, 1922, was presented for and by me, admitted to record in my office upon the above certificate as to the parties therein named this 19th day of December, 1922, and recorded.

TESTY: [Signature]

CLERK: [Signature]
STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
APPLICATION FOR A PERMIT TO PLUG & ABANDON

4.) WELL TYPE: Oil / Gas / Liquid injection / Waste disposal / Gas X / (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.

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

Work order approved by inspector ____________________________ Date ____________________________
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.

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
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:
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 swaged 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 subse-
quently 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, shut-in 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
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 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.
(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 19th 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
WELL RECORD

STATE OF WEST VIRGINA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL: NARS-518

Quadrangle: Cameron
Permit No.: NARS-518

Address: P. O. Box 8004, So. Charleston, W. Va.

Farm: Clarence E. Thomas
Acres: 120.50

Location (watern): Wolf Creek
Well No.: 3, Serial No. 18-50
Elev. 1317.4 DP

District: Webster County, Marshall

The surface of the tract is owned by Clarence E. Thomas
Address: RFD # 4, Oyster Rd.

Alliance, Ohio
Same

Mineral rights are owned by

Drilling commenced: November 20, 1963
Drilling completed: January 30, 1964

Open Flow: 60/10ths Water

Volume: 379,448.6 Cu. Ft.
Rock Pressure: 485#/lbs

WELL ACIDIZED.

WELL FRACTURED.

RESULT AFTER TREATMENT: No treatment

ROCK PRESSURE AFTER TREATMENT:
Fresh Water: 92-97 Feet
Salt Water: 156.0 Feet

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**County** | 24A
**Elev.** | 10
**Depth set** | 10
**Site of** | 10
**Perf. top** | 10
**Liners Used** | 10
**Perf. bottom** | 10

**GOAL WAS ENCOUNTERED AT** | 10
**FEET** | 10
**INCHES** | 10

**RESULT AFTER TREATMENT**

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**RECEIVED**
West Virginia Dept. of Mines

[Stamp: 31/22/2016]
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<tr>
<th>Formation</th>
<th>Color</th>
<th>Hard or Soft</th>
<th>Top 2/4</th>
<th>Bottom</th>
<th>Oil, Gas or Water</th>
<th>Depth Found</th>
<th>Remarks</th>
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<td>2151 TD</td>
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</tr>
</tbody>
</table>

NOTE: Well will be plugged back to 1/70'; the 7" casing pulled and 1/2" casing cemented to 1/70'. The well will then be completed in the Third Salt Sand.
**INSPECTOR'S PLUGGING REPORT**

- **Well No.:** 1-518-50
- **Parent No.:** Marshall S18 PP
- **Company:** Union Carbide Corp.
- **Address:** Gas Bros. Co., Charleston
- **Park:** West Virginia Oil and Gas Division
- **District:** Weirton
- **County:** Marshall

<table>
<thead>
<tr>
<th>Layer</th>
<th>Location</th>
<th>Amount</th>
<th>Parker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

**PLUGS USED AND DATE PLACED**

<table>
<thead>
<tr>
<th>CEMENT-TY GM</th>
<th>WOOD-RING</th>
<th>LEAD</th>
<th>CONSTRUCTION-LOCATION</th>
<th>RECOVERED</th>
<th>RISE</th>
<th>LOFT</th>
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</thead>
<tbody>
<tr>
<td>Blanket Sands 1900</td>
<td>13'</td>
<td>20'</td>
<td></td>
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<tr>
<td>Clay 1800-1780</td>
<td>15 1/4''</td>
<td></td>
<td></td>
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<tr>
<td>Clay 17.8-17.70</td>
<td>17'3 9/16''</td>
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<td></td>
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</tr>
<tr>
<td>Clay &amp; Stone 17.3-17.70</td>
<td>17'3 9/16''</td>
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</tr>
<tr>
<td>4'4&quot; Cement 18.5 Kpa 1/2</td>
<td>17'11 1/2''</td>
<td></td>
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</tr>
</tbody>
</table>

- **Producing in 3rd Salt Sand**
- 7 1/2" Casing, Positive Test at 715'-56" to 792'-96"

**Remarks:**

- Edison. Steinmeyer and Wever manuscripts.

- Final Inspection

**Driller's Name:** Edison. Steinmeyer and Wever manuscripts.

**Remarks:**

- Hereby certify I visited the above well on this date.
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OR PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPlicate. ONE COPY SIGNED BY THE DEPARTMENT. ONE COPY TO BE RETAINED BY THE OWNER AND THE THIRD COPY (ANTED TO BE HANDED TO SOME ONE EMPLOYED AT THESE RESPECTIVE LOCATIONS.

Consolidation Coal Company  Union Carbide Corp., Martin Division
Applicant                      Area, Main Commission


WELLA   No. 1, Section No. 18-50

Clarence H. Thomas  Mr. Bryan Shuman

Well No. 1, Section No. 18-50

COUNTY  Farm

Clarence H. Thomas

STATE INSPECTOR SUPERVISING PLUGGING

STATE OF WEST VIRGINIA

County of Marshall

being duly sworn according to law, do 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 to operate, and participated in the work of plugging and filling the above well, that said work was commenced on the 1st day of February 1965, and that the well was plugged and filled in the following manner:

<table>
<thead>
<tr>
<th>FORMATION</th>
<th>FILLING MATERIAL</th>
<th>PLUG USED</th>
<th>CASING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tabor Sand</td>
<td>1. Brush Bridge at 1900'</td>
<td>1. Pull 7&quot; casing</td>
<td>1775'</td>
</tr>
<tr>
<td>Paxon Sand</td>
<td>2. Clay 1900 to 1795'</td>
<td>2. Clay &amp; Stone 1780 to 1775'</td>
<td>1775'</td>
</tr>
</tbody>
</table>

Note: A 1 1/2" casing was set at 1775', cemented with 3/4 sacks, and the well completed in the third part sand.

and that the work of plugging and filling said well was completed on the 4th day of February 1965.

Sworn to and subscribed before me this 1st day of February 1965.

Notary Public
Permit No. MAB-518-77

My commission expires: July 13, 1965.
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-4B) 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 ____________________________ 6176 Energy Road
_____________________________ Moundsville WV 26041
Telephone __________________________ (304) 843-3565

Subscribed and sworn before me this 1st day of October, 2015

Joseph E. Williams
County, State of West Virginia

My commission expires June 5th, 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
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  
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 _______ day of October, 2015.  
Joseph E. Williams  
Notary Public  
STATE OF WEST VIRGINIA  
COUNTY OF HURON  
My Commission Expires June 5th, 2024.
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