

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

April 26, 2016

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5100197, 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.

/

Chie

Operator's Well No: 4-4014

Farm Name: ELDER, MAY

API Well Number: 47-5100197

Permit Type: Plugging
Date Issued: 04/26/2016

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

4705100197

1.) Date:	M	arch 18			_, 20	0 16
2.) Operator	's We	11 No.	S	GW-1	12	
3.) API Well		47	-	51		00197
E-X 200 5 00 55		State	7	Counts	7	Dormit

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

5.) LOCATION:	Oil / Gas X (IF "Gas", Production Elevation:1286.70'	Watersh	ned:Dunkard Fork of W	heeling Creek	
	District: Webster	County: Marshall	Quadrangle: Majo	orsville, WV-PA 7.5	
o.) WELL OPERAT	TORConsolidation Coal Co.		7.) DESIGNATED	AGENT Ronnie Harsh	
Address	1 Bridge St.		Address	1 Bridge St.	
	Monongah, WV 26554	<u></u>		Monongah, WV 265	554 .
3.) OIL & GAS INS	PECTOR TO BE NOTIFIED		9.) PLUGGING C	ONTRACTOR	
Name	Eric Blend		Name _		
Address	PO BOX 2115		Address	<u> </u>	
	Wheeling, WV 26003				
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WV Department of Environmental Pro04/29/2016

U. S. Department of (Labor 1990

W. J. SCHELLER

4015 Wilson Boulevard Arlington, Virginia 22203-1984

Mine Safety and Health Administration 47 0 5 1 0 0

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:

- GRANTED, conditioned upon compliance with all provisions of the Petitioner's alternative method and the following terms and conditions:
 - Procedures to be utilized when plugging gas or oil wells.
 - (a) Cleaning out and preparing oil and gas wells.

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

plug described in subparagraph (a)(3) shall be used to isolate the hydrocarbon producing stratum from the expanding cement plug. Nevertheless, a minimum of 200 feet of expanding cement shall be placed below the lowest mineable coalbed.

- (6) The wellbore shall be completely filled and circulated with a gel that inhibits any flow of gas, supports the walls of the borehole, and densifies the expanding cement. This gel shall be pumped through open-end tubing run to a point approximately 20 feet above the bottom of the cleaned out area of the borehole or bridge plug.
- (b) Plugging oil or gas wells to the surface. The following procedures shall be utilized when plugging gas or oil wells to the surface:
 - (1) A cement plug shall be set in the wellbore by pumping an expanding cement slurry down the tubing to displace the gel and fill the borehole to the surface. (As an alternative, the cement slurry may be pumped down the tubing so that the borehole is filled with Portland cement or a Portland cement-fly ash mixture from a point approximately 100 feet above the top of the lowest mineable coalbed to the surface with an expanding cement plug extending from at least 200 feet below the lowest mineable coalbed to the bottom of the Portland cement.) There shall be at least 200 feet of expanding cement below the base of the lowest mineable coalbed.
 - (2) A small quantity of steel turnings, or other small magnetic particles, shall be embedded in the top of the cement near the surface to serve as a permanent magnetic monument of the borehole.
- (c) Plugging oil or gas wells using the vent pipe method. The following procedures shall be utilized when using the vent pipe method for plugging oil and gas wells:
 - (1) A 4 1/2-inch or larger vent pipe shall be run into the wellbore to a depth of 100 feet below the lowest mineable coalbed and swedged to a smaller diameter pipe, if desired, which will extend to a point approximately 20 feet

above the bottom of the cleaned out area of the borehole or bridge plug.

- (2) A cement plug shall be set in the wellbore by pumping an expanding cement slurry, Portland cement, or a Portland cement-fly ash mixture down the tubing to displace the gel so that the borehole is filled with cement. The borehole and the vent pipe shall be filled with expanding cement for a minimum of 200 feet below the base of the lowest mineable coalbed. The top of the expanding cement shall extend upward to a point approximately 100 feet above the top of the lowest mineable coalbed.
- (3) All fluid shall be evacuated from the vent pipe to facilitate testing for gases. During the evacuation of fluid, the expanding cement shall not be disturbed.
- (4) The top of the vent pipe shall be protected to prevent liquids or solids from entering the wellbore, but permit ready access to the full internal diameter of the vent pipe when necessary.
- (d) Plugging oil and gas wells for use as degasification boreholes. The following procedures shall be utilized when plugging oil or gas wells for subsequent use as degasification boreholes:
 - (1) A cement plug shall be set in the wellbore by pumping an expanding cement slurry down the tubing to displace the gel and provide at least 200 feet of expanding cement below the lowest mineable coalbed. The top of the expanding cement shall extend upward to a point above the top of the coalbed being mined. This distance shall be based on the average height of the roof strata breakage for the mine.
 - (2) To facilitate methane drainage, degasification casing of suitable diameter, slotted or perforated throughout its lower 150 to 200 feet, shall be set in the borehole to a point 10 to 30 feet above the top of the expanding cement.
 - (3) The annulus between the degasification casing and the borehole wall shall be cemented from

- a point immediately above the slots or perforations to the surface.
- (4) The degasification casing shall be cleaned out for its total length.
- (5) The top of the degasification casing shall be fitted with a wellhead equipped as required by the District Manager. Such equipment may include check valves, shutin valves, sampling ports, flame arrestor equipment, and security fencing.
- II. The following procedures shall apply to mining through a plugged oil or gas well:
 - (a) The operator shall notify the District Manager or designee:
 - (1) Prior to mining within 300 feet of the well; and
 - (2) When a specific plan is developed for mining through each well.
 - (b) The MSHA District Manager or designee shall conduct a conference prior to mining through any plugged well to review and approve the specific procedures for mining through the well. Representatives of the operator, the representative of the miners, and the appropriate State agency shall be informed, within a reasonable time prior to the conference, and be given an opportunity to attend and participate. This meeting may be called by the operator.
 - (c) Mining through a plugged well shall be done on a shift approved by the District Manager or designee.
 - (d) The District Manager or designee, representative of the miners, and the appropriate State agency shall be notified by the operator in sufficient time prior to the mining through operation in order to have an opportunity to have representatives present.
 - (e) When using continuous or conventional mining methods, 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.

- (1) 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

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 Mine Safety Clerk

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

April 1, 2016

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

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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 and Gas

APR 13 2016

WV Department of Environmental Protection

EXHIBIT NO.1

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

4 ½ VENT PIPE METHOD

)

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

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

SOLID PLUG METHOD

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

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 and Gas

APR 13 2016

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Farm	May Elder	Acres 96	C }	1486	1486
Location			4	1200	1501
District	Webster	Marshall County	•		2002
Well No.	4014	•	Anch	or Packer	
Commenced	Feb. 3,19		8} x		
Completed	Feb. 23.,1	.949	Dept	h 1483	
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Rock Pressure	125# 49 h	re.			
Clay	0	15			
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Mapletown Coal	444 640	640			
Lime	640 642	643			
Slate	643	725			
Coal Pittsburgh	725	733			
Lima	733 739	739 840			
Red Rock	840	848			
Slate Shells	848	890			
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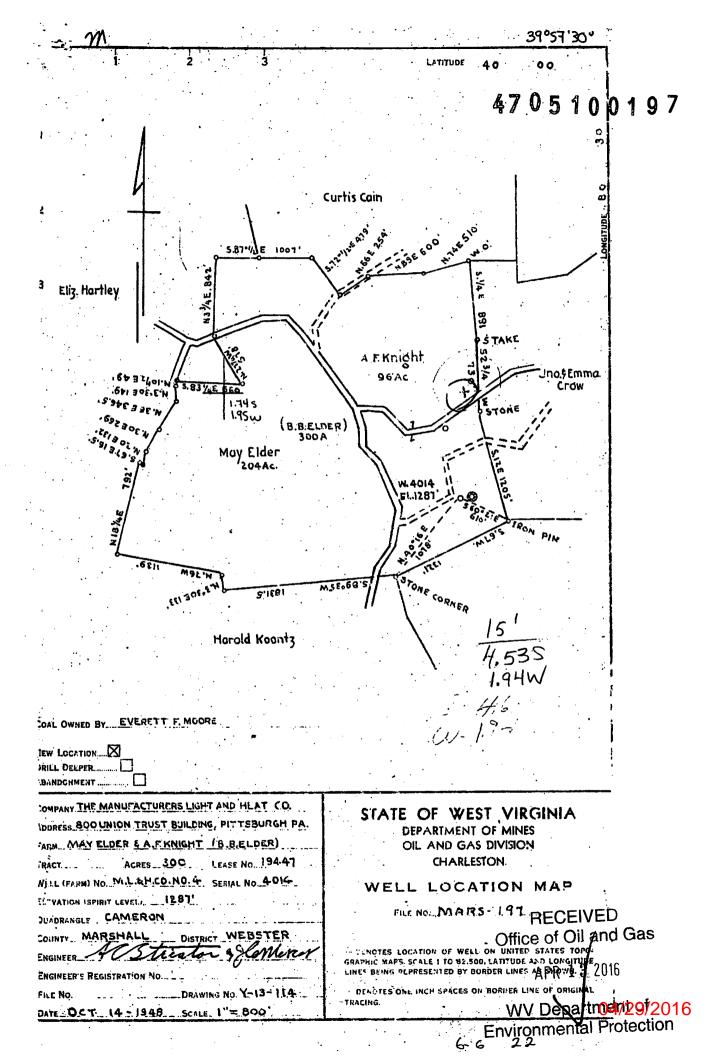
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Office of Oil and Gas

APR 13 2016

WV Department 1/29/2016
Environmental Protection



The Manufacturers Light & Heat Co.

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Examined above information and measurements and found to be correct by

Sheveral & CO Contra

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HOTE-The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for delling. All formations and known sands must be given by their proper name, will steel line measurements, and under the head of "Remarks" must be recorded in

The Manufacturers Light & Heat Co. Company Division 5

Record of well No. 4014 on May Ekder Farm 96 Acres Majorsville Storage Field District Marshall County State We Va. Rig Commenced 19 Completed 19 Drilling Commenced 19 Completed 19 Contractor Address Driller's Name CASING AND TUBING RECORD Comluctor 81'4" 0 5/8" \$ 3/10" Used in Drig left in well PACKER RECORD SHOOTING RECORD Depth Set Type Packer Type Explosive DEPTH Volume After Cu. Ft. VOLUME AND PRESSURE PRESSURE IN MIN. Liquid 24 Hour R. P. Volume Sand Max, R, P. Hour 10 30 60 TOTAL INITIAL OPEN FLOW CUBIC FEET PER 24 HOURS FORMATION TOP воттом THICKNESS REMARKS Coal 1345 1347 Shale 1347 1352 5 Coal 1352 1354 2 Sand 1354 1368 Shale 1368 1374 6 Sand 1374 11,15 112 Slate 1415 1467 52 Francort Coal 1467 11.75 8 Salt Sand 11.75 Test 110/10 Water 22=513,718 Cu. ft. Gas at 1483 S. L. 14871 Total depth 11,87 Tubed February 25, 1949 ha TUBING RECORD Perforation 81 xk" Packer Tubing 66 jts. 14811 911 1.851 911 Add for thds. 311 Total 1501 Examined above information and measurements and found to be correct by

Examined and Approved by

Cheer, Mande - 1 Programmentent Contractor

6-18-62

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	fulled	<u>au c</u>	of original hi	" whire in	cluding pack	er – 1 486'	·	i wasi ka	
	Milled	well	by Well Servi	lee with 6%	aquagel.	•			
	Run 2" tubing and set sement plug - 1290 to 11861								Y
	Cement plug set by Well Service.								Ì
DETAILS	80 bag	s ceme		: i					
C#	<u>0148</u>	5/8" c							
CLEANING CN4 TUO	1371 0	f old	8 5/8" left	in hole from	1349' to 14	861。			•
PLUGGING			with 6% aquas						· ,
OPERATIONS			olug from 789) 'SE88 CEZ		
			from 0' to 7						!
	<u></u>		einal 10 3/4"			ttsburgh (Coal for the		
					,	•			
CASING	SiZE Inches O. D.			10 3/4" 765'	8 5/8 ⁿ 1486'	17ਾ8 Q : ਮੁੱਕੋਜ਼			
AND TUBING	ORIGINAL - Feet			765' 0-76 5 '	131/9-11/861	01			
VENT PIPE AND MONUMENT			10 3/4# Pipe of _			<u> </u>	Ceal E	rritini.	· ·
MONUMENT	FROM	то			ING MATERIAL	AND PROCES			• =
	(Foat)	(Feet							
	1290	11:8							
	889	129	0 6% Aquas	<u>el</u>					
	789	88	9 50 bags	cement					
	С	78	9 6% Aquag	el					• • •
	<u> </u>	ļ	17 bags	aquadel used	1				
PLUGGING		ļ							
RECORD		 			·				-4
		<u> </u>							**
		<u> </u>							•
		<u> </u>							
		<u> </u>						RECE	IVED
		1					Of		il and Gas
								APR · 1 ·	3 2016
COMPILED BY			REVIEWED 8	MI Laborer	aux	APPACYED C	Y \ (D. y. Supr.)	MIN I	v 4010

WV Departmental Protection

4) SURFACE OWNER(S) TO BE SERVED

4705100197

5)a) COAL OPERATOR

1) Date: March 18, 2016 2) Operator's Well No. SGW-112

3) API Well No. 47 - 51 - 00197 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

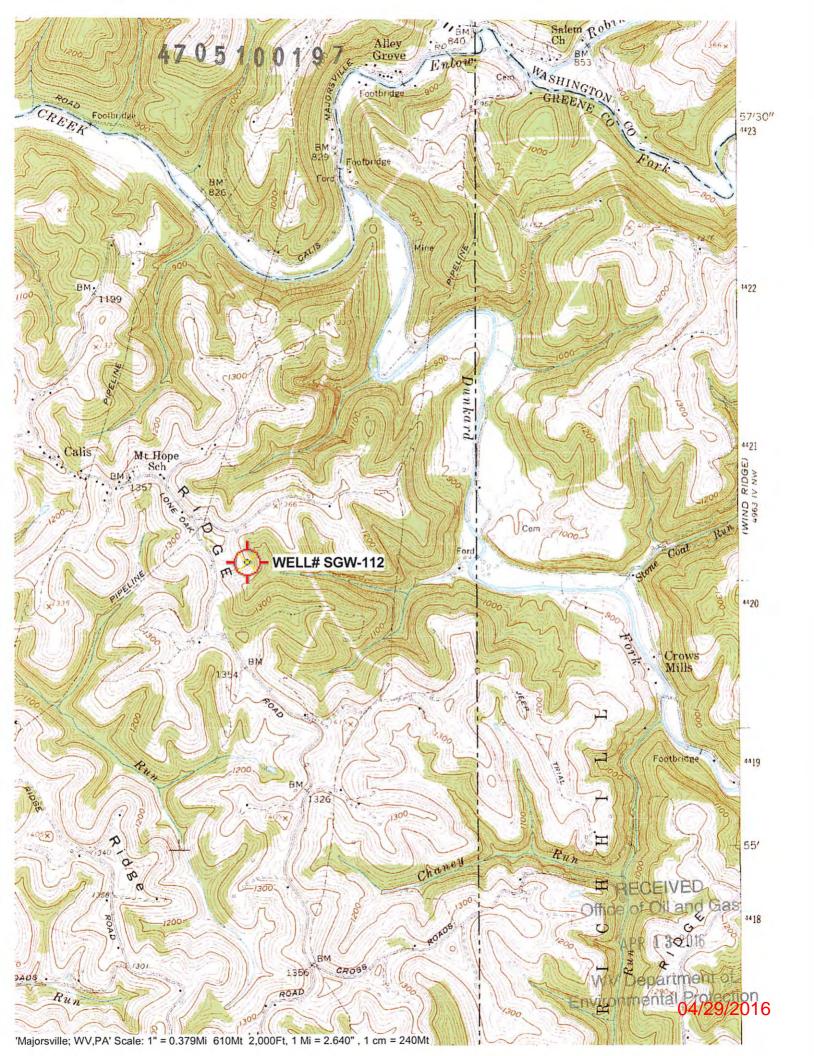
(a) Name Brian K. Milliken Address 018 Chinaperry Rd	Name CONSOLIDATION COAL CO. Address 1 Bridge Street
Clearwater FL 33764	Monongah, WV 26554
(b) Name Address	(b) COAL OWNER(S) WITH DECLARATION: Name
(c) Name	Address
Address	and the second control of the second of the
(6) INSPECTOR Eric Blend	(c) COAL LESSEE WITH DECLARATION: Name
Address PO BOX 2115	NameAddress
Wheeling, WV 26003	1,00001
Telephone (304) 552-1179	
(1) The Application to Plug and Abandon a Well on for parties involved in the work, and describes the well work order; and (2) The Plat (surveyor's map) showing the well located. THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON TO (FORM WW-4(B) DESIGNATED FOR YOU. HOWEVER, YOU Take notice under Chapter 22-6 of the West Virginia Code, the and Application and accompanying documents for a permit to plug a Virginia Department of Environmental Protection, with respect to the	Il and its location and the plugging on on Form WW-6. AT YOU HAVE RIGHTS REGARDING THE APPLICATION THE REVERSE SIDE OF THE COPY OF THE APPLICATION
hand to the person(s) named above (or by publication in certain circ	WELL OPERATOR Consolidation Coal Company By Mason Smith Museum Smith 29-16 Its Project Engineer Address 6126 Energy Road Moundsville, WV 26041 Telephone (304) – 843 – 3565
scribed and sworn before me this 30 xl day of March	Notary Public Joseph E Williams 1512 Fifth Street Houndaylie, WV 26041 My Commission Expres June 5, 2024
Toseph E. Williams	Notary Public Joseph E Williams 1512 Fifth Street
Narshall County, State of West Virginia	Moundaville, WV 26041 My Commission Expires June 5, 2024
commission expires June 5 ⁺ L , 20 24	Office of Oil and Gas
and Gas Privacy Notice	APP. 1 3 2016

	Page	of	
API Number 47 -	051	- 00197	
Operator's Well N	o SC	W-112	

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

	OP Code
watershed Dunkard Fork of Wheeling Creek	Quadrangle Majorsville, WV-PA
Elevation 1286.70' County	Marshall District Webster
Description of anticipated Pit Waste:N/A	
Do you anticipate using more than 5,000 bbls of w	rater to complete the proposed well work? Yes NoX
Will a synthetic liner be used in the pit?N/A	If so, what mil.?
Reuse (at API Number_ Off Site Disposal (Suppl	UIC Permit Number)
	shwater, oil based, etc. Freshwater eum, etc.? nte of Soda
-If left in pit and plan to solidify what me	fill, removed offsite, etc. Reused or Disposed (see attached letter) dium will be used? Cement, lime, sawdust
on August 1, 2005, by the Office of Oil and Gas of provisions of the permit are enforceable by law. law or regulation can lead to enforcement action. I certify under penalty of law that I have application form and all attachments thereto an	
Company Official (Typed Name) Masor	
Company Official Title Projec	
	day of March , 20 16 RECEIVED
Joseph E Williams	Notary Public Official Seal
My commission expires June 5th, 2024	STATE OF WEST VIRGINIA
Contraction of the contraction o	Deformation Woodson





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

API: 47-051-00197	WELL NO.: SGW-112
FARM NAME: May Elder	
RESPONSIBLE PARTY NAME: Con	solidation Coal Company
COUNTY: Marshall	DISTRICT: Webster
QUADRANGLE: Majorsville, WV F	PA
SURFACE OWNER: Brian K Milli	ken
ROYALTY OWNER:	
UTM GPS NORTHING: 4,420,437 m	n
UTM GPS EASTING: 539,628 m	GPS ELEVATION: 392 m
preparing a new well location plat for a platove well. The Office of Oil and Gas will the following requirements: 1. Datum: NAD 1983, Zone: 17 Male height above mean sea level (Nashed Survey grade GPS: Post Processes Real-Time Datum GPS: Post Processes Real-Time GPS	ed Differential
March 18, 2016 Date	WV Department of
Date	Environmenta 04/29/2016

