

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

 ORIGINAL

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE 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.

Farm name: L. HOWARD Operator Well No.: M-1105

LOCATION: Elevation: 1136.43' Quadrangle: Cameron, WV 7.5"  
District: Liberty County: Marshall  
Latitude: \_\_\_\_\_ Feet South of 39 Deg. 51 Min. 49.3 Sec.  
Longitude: \_\_\_\_\_ Feet West of 80 Deg. 36 Min. 39.7 Sec.

Well Type: OIL \_\_\_\_\_ GAS X

Company Consolidation Coal Co Coal Operator 1 Bridge St  
or Owner Monongah, WV 26554  
Coal Operator \_\_\_\_\_  
or Owner \_\_\_\_\_  
Agent Ronnie Harsh Coal Operator \_\_\_\_\_  
or Owner \_\_\_\_\_  
Permit Issued Date 09/28/17

AFFIDAVIT

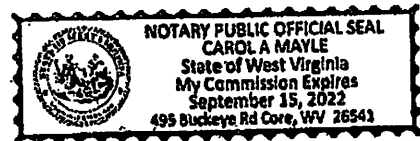
STATE OF WEST VIRGINIA,  
County of Marshall ss:

Roger D. Moore and Kevin S. Wright 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 the above named well operator, and participated in the work of plugging and filling the above well say that said work was commenced on the 30th day of November, 2017, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Thixotropic	2827'	2550'		
Expandable	2550'	951'		
Thixotropic	951'	845'		
Expandable	845'	Surface		
4 1/2"	2100'	Unknown	2100'	Unknown
7"	1450'	1903'	1450'	453'
8 5/8"	1054'	1434'	1054'	380'

Description of monument: 77' of 7" casing with company name, well #, API #, and date cemented. and that the work of plugging and filling said well was completed on the 5th day of February, 2018.

And further deponents saith not. Roger D. Moore  
Kevin S. Wright



Sworn and subscribe before me this 5th day of March, 2018

My commission expires: 9-15-22 Carol A. Mayle  
Notary Public

Affidavit reviewed by the Office of Oil and Gas Jim Nicholson Title: Oil & Gas Inspector RECEIVED  
Office of Oil and Gas

MAR 06 2018

# Plugging Report for MSHA

Well Number: M-1105 Mine: Marshall County Mine Surface

Permit Number: 47-051-00611

Date Clean Out Started: 11/30/2017

Date Well Bore Plugged: 2/5/2018

Pittsburgh Coal Seam: 745.5 ft. To 751 ft.

From	To	Type of Cement
2827'	2550'	Thixotropic Cement
2550'	951'	Expandable Cement
951'	645'	Thixotropic Cement with green dye
645'	Surface	Expandable Cement

**Casing Remaining in Well Bore**

Thix Top: **645'**

	Top	Bottom	Left	Pulled
Sucker Rods				
2 3/8" tubing				
4 1/2" casing	2100'	Unknown	Unknown	2100'
7" casing	1450'	1903'	453'	1450'
8 5/8" casing	1054'	1434'	380'	1054'
10 3/4" casing	963'	1045'	82'	963'
20" casing	Surface	12'	12'	0'
Other				

**Cement:**

Expandable \_\_\_\_\_ 400 \_\_\_\_\_ sacks

Thixotropic \_\_\_\_\_ 235 \_\_\_\_\_ sacks

Econofill \_\_\_\_\_ \_\_\_\_\_ sacks

Mud Flush \_\_\_\_\_ 1000 \_\_\_\_\_ gal

Other \_\_\_\_\_ \_\_\_\_\_

Est. Top Thix \_\_\_\_\_ 645' \_\_\_\_\_ ft

Did Cement Circ. \_\_\_\_\_ Yes \_\_\_\_\_

**Comments:**

Caving: Extreme Moderate Normal

Lost Circulation: Extreme Moderate Normal

Difficulty in Removing Casing: Extreme Moderate Normal Does Not Apply

Debris in Well Bore: Wood Steel Other: \_\_\_\_\_

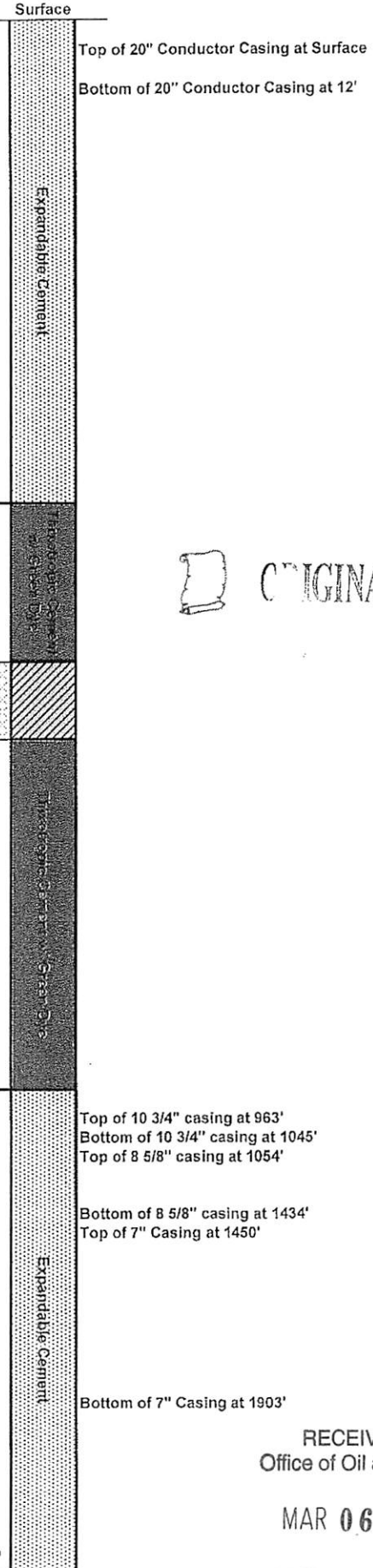
Thix Bottom: **951'**

Surface Elevation (Surveyed) 1136.38

Bottom of Coal Structure (Map) 395

Difference 741.38

Total Depth: **2827'**



ORIGINAL

Top of 10 3/4" casing at 963'  
Bottom of 10 3/4" casing at 1045'  
Top of 8 5/8" casing at 1054'

Bottom of 8 5/8" casing at 1434'  
Top of 7" Casing at 1450'

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Office of Oil and Gas

MAR 06 2018

WV Department of  
Environmental Protection

03/16/2018

FORM WR-38  
(Affidavit of Plugging)

WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OIL AND GAS WELLS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Division, 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 CO.**  
Coal Operator or Owner  
1 BRIDGE STREET MONONGAH, WV 26654  
Address  
**CONSOLIDATION COAL CO.**  
Coal Operator or Owner  
1 BRIDGE STREET MONONGAH, WV 26654  
Address  
**GLEN P. & CATHY COURTRIGHT**  
Lease or Property Owner  
13 WILLARD LANE CAMERON, WV 26033  
Address

**CONSOLIDATION COAL CO.**  
Name of Well Operator  
1 BRIDGE STREET MONONGAH, WV 26654  
Complete Address  
**CAMERON, WV 7.5"**  
Well Location  
**LIBERTY**  
District  
**MARSHALL**  
County  
**M-1105**  
Well No.  
**L. HOWARD**  
Farm



ORIGINAL

STATE INSPECTOR SUPERVISING PLUGGING Jim Nicholson

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of MONONGALIA ss:  
**ROGER D. MOORE** and **KEVIN S. WRIGHT** 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 Consolidation Coal Company well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 30th day of November, 2017 and that the well was plugged in the following manner:

Sand or Zone Record Formation	Filling Material	Casing/Tubing Size	Casing Pulled	Casing Left In
Removed 2827' of 2 3/8" tubing from surface to 2827' with extreme difficulty. Cemented bottom hole from 2827' to 2550' with 15 sacks of Thixotropic cement. Removed 2100' of 4 1/2" casing from the surface to 2100'. Left an unknown amount of 4 1/2" casing in the well from 2100' to an unknown depth. Cemented another bottom hole plug from 2650' to 1854' with 40 sacks of Expandable cement. Removed 1450' of 7" casing from the surface to 1450'. Left 453' of 7" casing in the hole from 1450' to 1903'. Removed 1054' of 8 5/8" casing from the surface to 1054'. Left 380' of 8 5/8" casing from 1054' to 1434'. Removed 963' of 10 1/2" casing from the surface to 963'. Left 82' of 10 1/2" casing from 963' to 1045'. Attempted to remove remaining 10 1/2" casing by pulling 150% of string weight. Attempts were unsuccessful. Cleaned hole with 11" bit from surface to 963'. Cleaned 11" hole through the Pittsburgh Coal Seam (745.5' - 751'). Cleaned hole with 9 7/8" bit from 963' to 1054'. Reduced hole to 7 7/8" at 1054'. Cleaned 7 7/8" hole from 1054' to 1450'. Reduced hole to 6 1/2" at 1450'. Cleaned 6 1/2" hole from 1450' to 1854'. <b>Cemented from 2827' back to the surface as follows:</b> From 2827' to 2550' with 15 sacks of Thixotropic cement. From 2550' to 951' with 235 sacks of Expandable cement. From 951' to 845' with 220 sacks of Thixotropic cement with green dye. From 845' back the surface with 165 sacks of Expandable cement. Cement did circulate at the surface. A total of 235 sacks of Thixotropic cement and 400 sacks of Expandable cement were used to cement wellbore. Left 12' of 20" conductor in the well from the surface to 12'.	4 1/2"	2100'	Unknown	
	7"	1450'	453'	
	8 5/8"	1054'	380'	
	10 1/2"	963'	82'	
	20" Conductor	0'	12'	
Coal Seams	Description of Monument			
Pittsburgh (745' - 751')	77" of 7" casing w/ company name, well number, permit number and date cemented stated on 7" casing. Well marker will be attached to cement plug at ground level.			

... and that the work of plugging and filling said well was completed on the 5th day of February, 2018

And further deponents saith not.

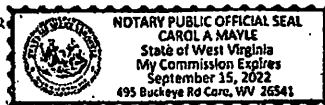
Roger D. Moore  
Roger D. Moore

Kevin S. Wright  
Kevin S. Wright

Sworn to and subscribed before me this 5<sup>th</sup> day of March 2018

Carol A. M... ..  
Notary Public

My commission expires: 9-15-22



Permit No. 47-051-00611-P  
Well No. M-1105  
Latitude: 39° 51' 49.3"N  
Longitude: 80° 36' 39.7"W

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Office of Oil and Gas

MAR 06 2018