

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 _____
Permit Issued Date 09/28/17 or Owner _____

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: 7" 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.

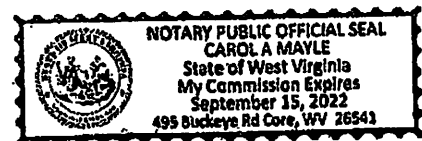
And further deponents saith not.

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 Nibbel

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 Nbr: 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.

Plugs:

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				



ORIGINAL

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'

Top of 20" Conductor Casing at Surface
 Bottom of 20" Conductor Casing at 12'

Expandable Cement

Thixotropic Cement with Green Dye

746' to 751'

Pittsburgh Coal

Thixotropic Cement with Green Dye

Expandable Cement

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'

Bottom of 7" Casing at 1903'

RECEIVED
 Office of Oil and Gas

MAR 06 2018

WV Department of
 Environmental Protection

Supplemental

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 26554
Address
CONSOLIDATION COAL CO.
Coal Operator or Owner
1 BRIDGE STREET MONONGAH, WV 26554
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 26554
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	Filling Material	Casing/Tubing Size	Casing Pulled	Casing Left In
Formation				
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'. <u>Cemented from 2827' back to the surface as follows:</u> 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 ^{5th} day of March 2018

Carol A. Mayle
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

RECEIVED
Office of Oil and Gas

MAR 06 2018

WV Department of
Environmental Protection