

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

 ORIGINAL

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPPLICATE, 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: JACOB BOWERS Operator Well No.: M-1564

LOCATION: Elevation: 1123.29' Quadrangle: Cameron, WV 7.5"  
District: Cameron County: Marshall  
Latitude: \_\_\_\_\_ Feet South of 39 Deg. 51 Min. 02.08 Sec.  
Longitude: \_\_\_\_\_ Feet West of 80 Deg. 33 Min. 00.66 Sec.

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

Company Consolidation Coal Co Coal Operator 1 Bridge St  
or Owner Monongah, WV 26554  
Coal Operator \_\_\_\_\_  
Agent Ronnie Harsh or Owner \_\_\_\_\_  
Permit Issued Date 11/01/17

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Marshall ss:

Ralph K. Harman 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 22nd day of December, 2017, and the well was plugged and filled in the following manner:

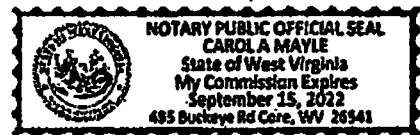
TYPE	FROM	TO	PIPE REMOVED	LEFT
Expandable	2745'	870'		
Thixotropic	870'	584'		
Expandable	584'	Surface		
4 1/2"	Surface	2745'	2432'	313'
7"	Surface	1950'	882'	1088'
16" Conductor	Surface	20'	0'	20'

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 18th day of January, 2018.

And further deponents saith not. Ralph K. Harman  
Kevin S. Wright

Sworn and subscribe before me this 27th day of Jan, 2018

My commission expires: 4-15-22 Carol A. Mayle  
Notary Public



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

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JAN 30 2018

# Plugging Report for MSHA

Well Number: M-1564

Mine: Marshall County Mine

Surface

Permit Number: 47-051-00571

Date Clean Out Started: 12/22/2017

Date Well Bore Plugged: 1/18/2018

Pittsburgh Coal Seam: 664 ft. To 669 ft.

Plugs:	From	To	Type of Cement
	2745'	870'	Expandable Cement
	870'	564'	Thixotropic Cement w/ Green Dye
	564'	Surface	Expandable Cement

**Casing Remaining in Well Bore**

	Top	Bottom	Left	Pulled
Sucker Rods				
2 3/8" tubing				
4 1/2" casing	Surface	2745'	313'	2432'
7" casing	Surface	1950'	1068'	882'
8 5/8" casing				
10 3/4" casing				
16" casing	Surface	20'	20'	0'
Other				

Thix Top: 564'

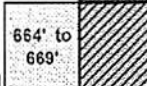
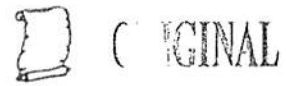
Top of 16" Conductor Casing at Surface  
Bottom of 16" Conductor Casing at 20'

Expandable Cement

Thixotropic Cement w/ Green Dye

Thixotropic Cement w/ Green Dye

Expandable Cement



Pittsburgh Coal

**Cement:**

Expandable	<u>660</u>	sacks
Thixotropic	<u>155</u>	sacks
Econofill		sacks
Mud Flush	<u>1000</u>	gal
Other		
Est. Top Thix	<u>564'</u>	ft
Did Cement Circ.	<u>Yes</u>	

**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: 870'

Top of 7" casing at 882'

Surface Elevation (Surveyed)	<u>1123.29</u>
Bottom of Coal Structure (Map)	<u>447</u>
Difference	<u>676.29</u>

Bottom of 7" casing at 1950'

Top of 4 1/2" casing at 2432'

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Total Depth: 2745'

Bottom of 4 1/2" casing at 2745'

IAN 30 2018

Supplemental  
Narrative  
Explanation

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  
LARRY D. HULL  
Lease or Property Owner  
2261 BURLEY HILL RD. 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  
CAMERON  
District  
MARSHALL  
County  
M-1564  
Well No.  
JACOB BOWERS  
Farm



ORIGINAL

STATE INSPECTOR SUPERVISING PLUGGING Jim Nicholson

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of MONONGALIA ss:  
RALPH K. HARMAN 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 22<sup>nd</sup> day of December, 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				
Cleaned 2 3/8" hole through 4 1/2" casing from the surface to 2745'. Tagged plug at 2745'. Removed 2432' of 4 1/2" casing from the surface to 2432'. Cemented bottom hole from 2745' to 1822' with 95 sacks of Expandable cement. Removed 882' of 7" casing from the surface to 882'. Cleaned 9 7/8" hole from the surface to 882' through the Pittsburgh Coal Seam (664' - 669'). Tagged 7" casing at 882'. Cleaned 6 1/4" hole from 882' to 1822'. Tagged plug at 1822'. Left 313' of 4 1/2" casing in well from 2432' to 2745'. Left 1068' of 7" casing in the well from 882' to 1950'.		4 1/2"	2432'	313'
		7"	882'	1068'
		16" Conductor	0'	20'
<u>Cemented hole back from 1822' to the surface as follows:</u> From 1822' to 870' with 150 sacks of Expandable cement. From 870' to 564' with 155 sacks of Thixotropic cement with green dye. From 564' to the surface with 245 sacks of Expandable cement. Cement did circulate at the surface. A total of 660 sacks of cement was used to plug the well. Left 20' of 16" conductor in the well from the surface to 20'.				
Coal Seams		Description of Monument		
Pittsburgh	(664' - 669')	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 18th day of January, 2018

And further deponents saith not.

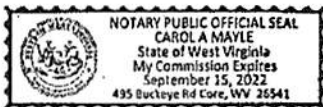
Ralph K. Harman  
Ralph K. Harman

Kevin S. Wright  
Kevin S. Wright

Sworn to and subscribed before me this 29<sup>th</sup> day of Jan 2018

Carol A. Mayle  
Notary Public

My commission expires:



Permit No. 47-051-00571  
Well No. M-1564  
Latitude: 39° 51' 02.08"N  
Longitude: 80° 33' 00.66"W

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