

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

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: Consolidation Coal Company Operator Well No.: L-5
LOCATION: Elevation: 1219.71' Quadrangle: HUNDRED WV, PA 7.5'
District: Battelle County: Monongalia
Latitude: _____ Feet South of 39 Deg. 38 Min. 15.70 Sec.
Longitude: _____ Feet West of 80 Deg. 23 Min. 19.40 Sec.

Well Type: OIL _____ GAS X

Company Consolidation Coal Co Coal Operator 1 Bridge St
or Owner Monongah, WV 26554
Coal Operator _____
Agent David Roddy or Owner _____
Permit Issued Date 12/20/17

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 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 14th day of February, 2018, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Expandable	1850'	1132'		
Thixotropic	1132'	581'		
Expandable	581'	Surface		
5 1/2"	Surface	2129'	0'	2129'
6 1/2" Fiberglass	1052'	1082'	Milled 30'	0'
8 5/8"	Surface	723'	0'	723'
16" Conductor	Surface	10'	0'	10'

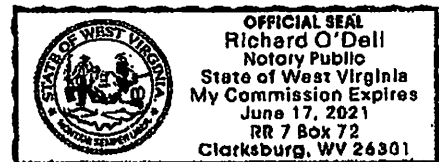
Description of monument: 77" of 7" casing with company name, well #, API #, and date cemented. and that the work of plugging and filling said well was completed on the 28th day of February, 2018.

And further deponents saith not.

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

My commission expires: 06/17/2021

Affidavit reviewed by the Office of Oil and Gas.



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MAR 06 2018

Plugging Report for MSHA

Well Number: L-5 Mine: Marion County Mine

Permit Number: 47-061-01407

Date Clean Out Started: 2/14/2018

Date Well Bore Plugged: 2/28/2018

Pittsburgh Coal Seam: 1065 ft. To 1072 ft.

Plugs:

From	To	Type of Cement
1850'	1132'	Expandable Cement w/ Gas Blocker
1132'	561'	Thixotropic Cement with green dye
561'	Surface	Expandable Cement

Casing Remaining in Well Bore

Thix Top: 561'

	Top	Bottom	Left	Pulled
Sucker Rods				
2 3/8" tubing				
5 1/2" casing	Surface	2129'	2129'	0'
7" casing				
8 5/8" casing	Surface	723'	723'	0'
10 3/4" casing				
16" casing	Surface	10'	10'	0'
5 1/2" Fiberglass	1052'	1082'	Milled 30'	0'

Cement:

Expandable	135	sacks
Thixotropic	65	sacks
Econofill		sacks
Mud Flush	1000	gal
Other		
Est. Top Thix	561'	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: Fiberglass

Thix Bottom: 1132'

Surface Elevation (Surveyed)	1221
Bottom of Coal Structure (Map)	155
Difference	1066

Total Depth: 2272'

Surface

Top of 5 1/2", 8 5/8", and 16" Conductor Casing
at Surface
Bottom of 16" Conductor Casing at 10'

Expandable Cement

Thixotropic Cement w/ Green Dye

Thixotropic Cement w/ Green Dye

Expandable Cement with Gas Blocker

Bottom of 8 5/8" casing at 723'

Cut 5 1/2" casing at 966'

Section Milled 5 1/2" Fiberglass 1052' to 1082'

Cut 5 1/2" casing at 1028'

Cut 5 1/2" casing at 1200'

Cut 5 1/2" casing at 1300'

Cut 5 1/2" casing at 1404'

Cut 5 1/2" casing at 1509'

Cut 5 1/2" casing at 1600'

Cut 5 1/2" casing at 1694'

Cut 5 1/2" casing at 1814'

Bottom of 5 1/2" casing at 2129'

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Office of Oil and Gas

MAR 06 2018

WV Department of
Environmental Protection

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

CONSOLIDATION COAL CO.
Lease or Property Owner
1 BRIDGE STREET MONONGAH, WV 26554
Address

CONSOLIDATION COAL CO.
Name of Well Operator
1 BRIDGE STREET MONONGAH, WV 26554
Complete Address

HUNDRED WV, PA 7.5"
Well Location

BATTELLE

District

MONONGALIA

County

LS

Well No.

CONSOLIDATION COAL COMPANY
/Farm

STATE INSPECTOR SUPERVISING PLUGGING

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 14th day of February, 2018 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				
Logged CBM well from surface to 1850'. Hole fill from 2272' to 1850'. Attempted to removed 5 1/2" casing by pulling 150% of string weight. Attempt was unsuccessful. Left 2129' of 5 1/2" casing from the surface to 2129'. Cut and perforated 5 1/2" casing at the following depths: 1814', 1894', 1800', 1509', 1404', 1300', 1200', 1028', and 988'. Set bottom plug from 1850' to 1132' with 65 sacks of Expandable cement with Gas Blocker. Section milled 5 1/2" fiberglass casing from 1052' to 1082' through the Pittsburgh Coal Seam (1085' - 1072'). Left 10' of 16" conductor at the surface from the surface to 10'.		5 1/2" casing	0'	2129'
		5 1/2" fiberglass casing	Milled 30'	0'
		6 5/8" casing	0'	723'
		16" Conductor	0'	10'
<u>Cemented hole from top of bottom hole plug at 1132' back to the surface as follows:</u> From 1132' to 661' with 65 sacks of Thixotropic cement with green dye. From 661' to the surface with 70 sacks of Expandable cement. Cement did circulate at the surface. A total of 200 sacks of Thixotropic and Expandable cement was used to cement entire well.				
Coal Seams		Description of Monument		
<u>Pittsburgh</u>	<u>(1085' - 1072')</u>	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 28th day of February, 2018

And further deponents saith not.

Ralph K. Harman
Ralph K. Harman

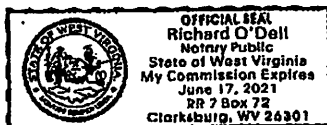
Kevin S. Wright
Kevin S. Wright

Sworn to and subscribed before me this 5th day of March

Notary Public

My commission expires:

04/17/2021



Permit No. 47-081-01407-P
Well No. LS
Latitude: 39° 38' 18.70"N
Longitude: 80° 23' 19.48"W

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Office of Oil and Gas

MAR 06 2018