

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: Ezra Sayers Operator Well No.: BAR-1032

LOCATION: Elevation: 1470' Quadrangle: Phillipi, WV 7.5'
District: Pleasant County: Barbour
Latitude: _____ Feet South of 39 Deg. 13 Min. 01 Sec.
Longitude: _____ Feet West of 80 Deg. 04 Min. 37 Sec.

Well Type: OIL X GAS _____

Company Wolf Run Mining LLC Coal Operator 100 Tygart Drive
or Owner Grafton, WV 26354
Agent Charles E. Duckworth Coal Operator _____
or Owner _____
Permit Issued Date 06/18/18

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Monongalia ss:

Ralph K. Harman and Matthew A. Yearsley 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 16th day of October, 2018, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Expandable with Gas Block	4462'	3350'		
Expandable	3350'	1232'		
Thixotropic	1232'	626'		
Expandable	626"	Surface		
4 1/2"	4301'	3350'	3350'	951'
8 5/8"	1125'	Surface	Milled 29'	1096'
16"	5'	Surface	0'	5'

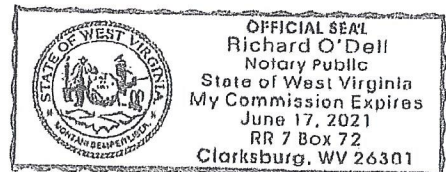
Description of monument: 77" of 7" casing with company name, well #, API #, and date cemented. and that the work of plugging and filling said well was completed on the 1st day of November, 2018.

And further deponents saith not.

Sworn and subscribe before me this 12th day of November, 2018

My commission expires: 06/17/2021

Notary Public



Affidavit reviewed by the Office of Oil and Gas: Ernest L. Reynolds Title: OIL & GAS INSPECTOR

Plugging Report for MSHA

Well Number: BAR-1032

Mine: Sentinel Mine

Permit Number: 47-001-01032

Date Clean Out Started: 10/16/2018

Date Well Bore Plugged: 11/1/2018

Kittanning Coal Seam: 826 ft. To 832 ft.

From	To	Type of Cement
4462'	3350'	Expandable Cement with Gas Block
3350'	1232'	Expandable Cement
1232'	626'	Thixotropic Cement with green dye
626'	Surface	Expandable Cement

Casing Remaining in Well Bore

	Top	Bottom	Left	Pulled
Sucker Rods				
2 3/8" tubing				
4 1/2" casing	3350'	4301'	951'	3350'
7" casing				
7" fiberglass				
8 5/8" casing	Surface	1125'	1096'	Milled 29'
10 3/4" casing				
16" Conductor	Surface	5'	5'	0'

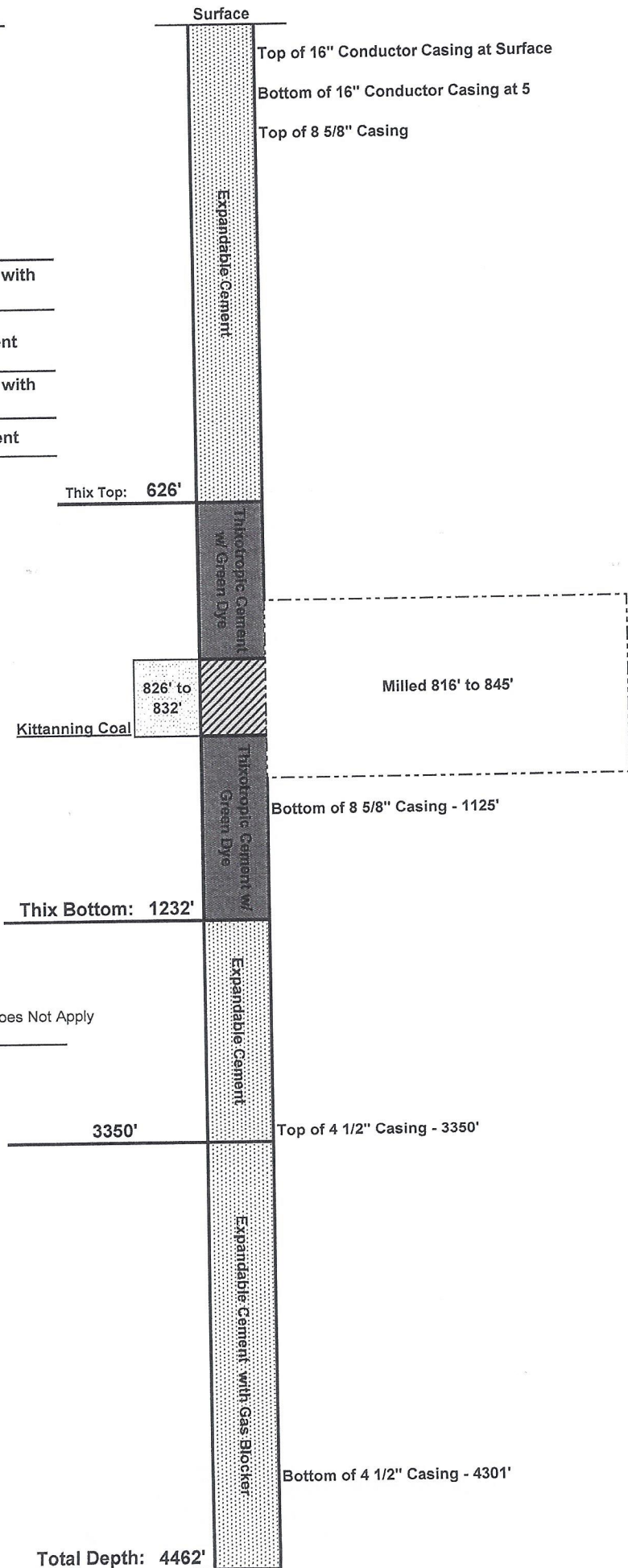
Cement:

Expandable	<u>605</u>	sacks
Thixotropic	<u>175</u>	sacks
Econofill		sacks
Mud Flush	<u>1000</u>	gal
Other		
Est. Top Thix	<u>626</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: _____

Surface Elevation (Surveyed)	<u>1,470</u>
Bottom of Coal Structure (Map)	<u>644</u>
Difference	<u>826</u>



AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, 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.

WOLF RUN MINING LLC
Coal Operator or Owner
100 TYGART DRIVE GRAFTON, WV 26354
Address

WOLF RUN MINING LLC
Coal Operator or Owner
100 TYGART DRIVE GRAFTON, WV 26354
Address

ROBERT R. & MINDY J. JACOBS
Lease or Property Owner
ROUTE 1 BOX 421-A, FLEMINGTON, WV 26347
Address

WOLF RUN MINING LLC
Name of Well Operator
100 TYGART DRIVE GRAFTON, WV 26354
Complete Address

PHILLIPI, WV 7.5'
Well Location

PLEASANT
District

BARBOUR
County

BAR-1032
Well No.

EZRA SAYERS
Farm

STATE INSPECTOR SUPERVISING PLUGGING

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of MONONGALIA ss:

RALPH K. HARMAN and MATTHEW A. YEARSLEY 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 16th day of October, 2018 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	
Cleaned 3 3/4" hole through 4 1/2" casing from surface to 4462'. Tagged plug at 4462'. Cemented bottom hole with 70 sacks of Expandable cement with gas blocker additive from 4462' to 3350'. Removed 3350' of 4 1/2" casing from surface to 3350'. Left 951' of 4 1/2" casing from 3350' to 4301'. Cleaned 7 7/8" hole from surface to 3350'. Tagged plug at 3350'. Set intermediate plug from 3350' to 1232' with 400 sacks of Expandable cement. Due to extreme bond of 8 5/8" casing, section milled 8 5/8" from 816' to 845' through the lower Kittanning Coal Seam (826' to 832'). Left 816' of 8 5/8" casing from surface to 816' and 280' from 845' to 1125'. No additional perforations or rips required per Leer Mines 101C Petition. Casing depths were taken from previous well records.		4 1/2"	3350'	951'	
			8 5/8"	Milled 29'	1096'
			16"	0'	5'
<u>Cemented hole from 1232' back to the surface as follows:</u> From 1232' to 626' with 175 sacks of Thixotropic with green dye cement and from 626' to surface with 135 sacks of Expandable cement. Cement did circulate to surface. Left 5' of 16" Conductor pipe at surface to 5'.					
Coal Seams		Description of Monument			
<u>Kittanning</u>	<u>(826' - 832')</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 1st day of November, 2018

And further deponents saith not.

Ralph K. Harman
Ralph K. Harman

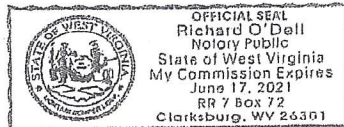
Matthew A. Yearsley
Matthew A. Yearsley

Sworn to and subscribed before me this 12th day of November, 2018

Richard O. Dell
Notary Public

My commission expires:

06/11/2021



Permit No. 47-001-01032
Well No. BAR-1032
Latitude: 39° 13' 01"N
Longitude: 80° 04' 37"W

COPY