

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: Sadie C. Lake Operator Well No.: 1302 (0633)

LOCATION: Elevation: 1290' Quadrangle: Philippi (545)
District: Pleasant County: Barbour
Latitude: 39.227222 Feet South of 39 Deg. 13 Min. 38 Sec.
Longitude: -80.109444 Feet West of -80 Deg. 06 Min. 34 Sec.

Well Type: OIL _____ GAS X

Company Wolf Run Mining, LLC Coal Operator CoalQuest Development, LLC
100 Tygart Drive or Owner 100 Tygart Drive
Grafton, WV 26354 Grafton, WV 26354
Coal Operator _____
Agent Charles E. Duckworth or Owner _____
Permit Issued Date 02/05/2020

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Monongalia ss:

Matthew A. Yearsley 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 29th day of September, 2020, and the well was plugged and filled in the following manner:

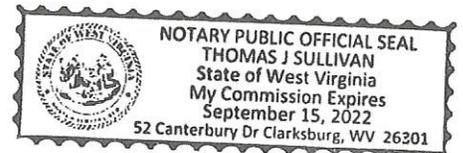
TYPE	FROM	TO	PIPE REMOVED	LEFT
Expandable Cement w/ Gas Blocker	4418'	2200'		
Expandable Cement	2200'	1221'		
Thixotropic w/ Green Dye	1221'	615'		
Expandable Cement	615'	Surface		
4 1/2" Casing	2200'	4536'	2200'	2336'
8 5/8" Casing	Surface	1001'	Milled 26'	975'
16" Conductor Casing	Surface	5'	0'	5'

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 16th day of October, 2020.

And further deponents saith not. Matthew A. Yearsley
Kevin S. Wright

Sworn and subscribe before me this 26th day of Oct, 2020

My commission expires: 09/15/22 [Signature]
Notary Public



Affidavit reviewed by the Office of Oil and Gas: [Signature] Title: COG Inspector

03/12/2021

Plugging Report for MSHA

Well Number: 1321 (0633) Mine: Arch Coal - Sentinel Mine

Permit Number: 47-001-00633

Date Clean Out Started: 9/29/2020

Date Well Bore Plugged: 10/16/2020

Lower Kittanning Coal Seam: 815 ft. To 821 ft.

Plugs:

From	To	Type of Cement
4418'	2200'	135 sks of Expandable Cement w/ Gas Blocker
2200'	1221'	240 sks of Expandable Cement
1221'	615'	180 sks of Thixotropic Cement w/ Green Dye
615'	Surface	150 sks of Expandable Cement

Casing Remaining in Well Bore

Thix Top: 615'

	Top	Bottom	Left	Pulled
Sucker Rods				
2 3/8" tubing				
4 1/2" casing	2200'	4536'	2336'	2200'
7" casing				
7" fiberglass				
8 5/8" casing	Surface	1001'	975'	Milled 26'
11 3/4" casing				
16" Conductor	Surface	5'	5'	0

Cement:

Expandable	<u>525</u>	sacks
Thixotropic	<u>180</u>	sacks
Econofill		sacks
Mud Flush	<u>1000</u>	gal
Other		
Est. Top Thix		ft
Did Cement Circ.	<u>Yes</u>	

Comments:

Caving: Extreme Moderate **Normal**
 Lost Circulation: **Extreme** Moderate Normal
 Difficulty in Removing Casing: **Extreme** Moderate Normal
 Debris in Well Bore: Wood **Steel** Other: _____

Surface Elevation (Surveyed)	<u>1290'</u>
Bottom of Coal Structure (Map)	<u>475'</u>
Difference	<u>815'</u>

Total Depth: 4418'

Surface

Top of 8 5/8" and 16" Conductor Casing at Surface
 Bottom of 16" Conductor Casing at 5'

Expandable Cement

Thixotropic Cement w/ Green Dye

Thixotropic Cement w/ Green Dye

Expandable Cement

Expandable Cement w/ Gas Blocker

Lower Kittanning Coal

815' - 821'

Milled 26' (805' - 831')

Bottom of 8 5/8" Casing at 1001'

Top of 4 1/2" Casing at 2200'

Bottom of 4 1/2" Casing at 4536'

Note: All depths shown were measured from 10' above the surface.

03/12/2021

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COALQUEST DEVELOPMENT, LLC.
Coal Operator or Owner
100 TYGART DRIVE GRAFTON, WV 26354
Address

COALQUEST DEVELOPMENT, LLC.
Coal Operator or Owner
100 TYGART DRIVE GRAFTON, WV 26354
Address

BECKWITH LUMBER COMPANY, INC.
Lease or Property Owner
P.O. BOX 39 SLATY FORK, WV 26291
Address

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

PHILIPPI (645)
Well Location
PLEASANT
District
BARBOUR
County
1302
Well No.
SADIE C. LAKE
Farm

STATE INSPECTOR SUPERVISING PLUGGING

S. D. Wright

AFFIDAVIT

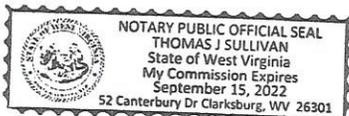
STATE OF WEST VIRGINIA,
County of MONONGALIA ss:

MATTHEW A. YEARSLEY 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 ICG Tygart Valley, LLC well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 29th day of September, 2020 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 a 3 1/4" hole through the 4 1/2" casing from the surface to 4418'. Tagged solid plug at 4418'. Cemented bottom hole with 135 sacks of Expandable Cement with a gas blocker additive from 4418' to 2200'. Removed 2200' of 4 1/2" casing from surface to 2200'. Left 2336' of 4 1/2" casing from 2200' to 4536'. Cleaned a 7 7/8" hole from the surface to 2200'. Tagged bottom hole cement plug at 2200'. Set intermediate cement plug from 2200' to 1221' with 240 sacks of Expandable Cement. Section milled window in 8 5/8" casing through the Lower Kittanning Coal Seam (815' - 821') from 805' to 831'. Left 975' of 8 5/8" casing in the hole from the surface to 805' and from 831' to 1001' due to extreme cement bond on the 8 5/8" casing. No additional perforations or rips were required per the Sentinel Mine 101C Petition. All casing depths were taken from previous well records. All electronic logs and depths were measured from 10' above the surface.		4 1/2" Casing	2200'	2336'	
			8 5/8" Casing	Milled 26'	975'
			16" Conductor	0'	5'
<u>Cemented hole from 1221' to surface as follows:</u> From 1221' to 615' with 180 sacks of Thixotropic Cement with Green Dye. From 615' to surface with 150 sacks of Expandable Cement. Cement did circulate at surface. A total of 705 sacks of cement were used to fill the well to surface. Left 5' of 16" conductor pipe in the well at surface.					
<u>Coal Seams</u>		<u>Description of Monument</u>			
<u>Kittanning Coal Seam</u>	815' - 821'	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 16th day of October, 2020

And further deponents saith not.



Sworn to and subscribed before me this 26th day of Oct, 2020

Matthew A. Yearsley

Matthew A. Yearsley

Kevin S. Wright

Kevin S. Wright

[Signature]

Notary Public

My commission expires: 09/15/22

Permit No. 47-001-00633
Well No. 1302
Latitude: 39° 13' 38" N
Longitude: -80° 06' 34" W

03/12/2021