

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: Clark Freeman Operator Well No.: D-0619 (2848)

LOCATION: Elevation: 1261.99' Quadrangle: Philippi (545)
District: Pleasant County: Barbour
Latitude: _____ Feet South of 39 Deg. 13 Min. 2.8 Sec.
Longitude: _____ Feet West of 80 Deg. 05 Min. 57.63 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
Agent Charles E. Duckworth Coal Operator _____
Permit Issued Date 1/24/2020 or Owner _____

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 22nd day of June, 2020, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Expandable Cement w/ Gas Blocker	4360'	1600'		
Expandable Cement	1600'	1107'		
Thixotropic w/ Green Dye	1107'	495'		
Expandable Cement	495'	Surface		
4 1/2" Casing	4458'	1600'	1600'	2858'
7" Casing	Surface	977'	Milled 25'	952'
9 5/8" Casing	Surface	30'	0'	30'

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 3rd day of July, 2020.

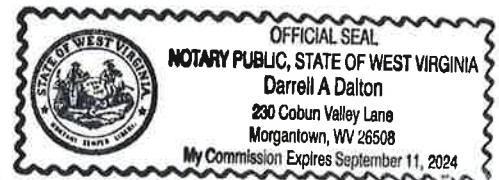
And further deponents saith not. Matthew A. Yearsley

Kevin S. Wright

Sworn and subscribe before me this 9th day of July, 2020

My commission expires: Sept. 11, 2024

Darrell A. Dalton
Notary Public



Affidavit reviewed by the Office of Oil and Gas: Timothy S. Hughes Title: OIL & GAS INSPECTOR

Handwritten initials

Plugging Report for MSHA

Well Number: D-0619 (2848) Mine: Arch Coal - Sentinel Mine

Permit Number: 47-001-02848

Date Clean Out Started: 6/22/2020

Date Well Bore Plugged: 7/3/2020

Lower Kittanning Coal Seam: 695 ft. To 700 ft.

Plugs:

From	To	Type of Cement
4360'	1600'	165 sks of Expandable Cement w/ Gas Blocker
1600'	1107'	75 sks of Expandable Cement
1107'	495'	125 sks of Thixotropic Cement w/ Green Dye
495'	Surface	110 sks of Expandable Cement

Casing Remaining in Well Bore

	Top	Bottom	Left	Pulled
Sucker Rods				
2 3/8" tubing				
4 1/2" casing	1600'	4458'	2858	1600'
7" casing	Surface	977'	952	Milled 25'
7" fiberglass				
9 5/8" casing	Surface	30'	30'	0'
13 3/8" casing				
16" Conductor	Surface	5'	5'	0

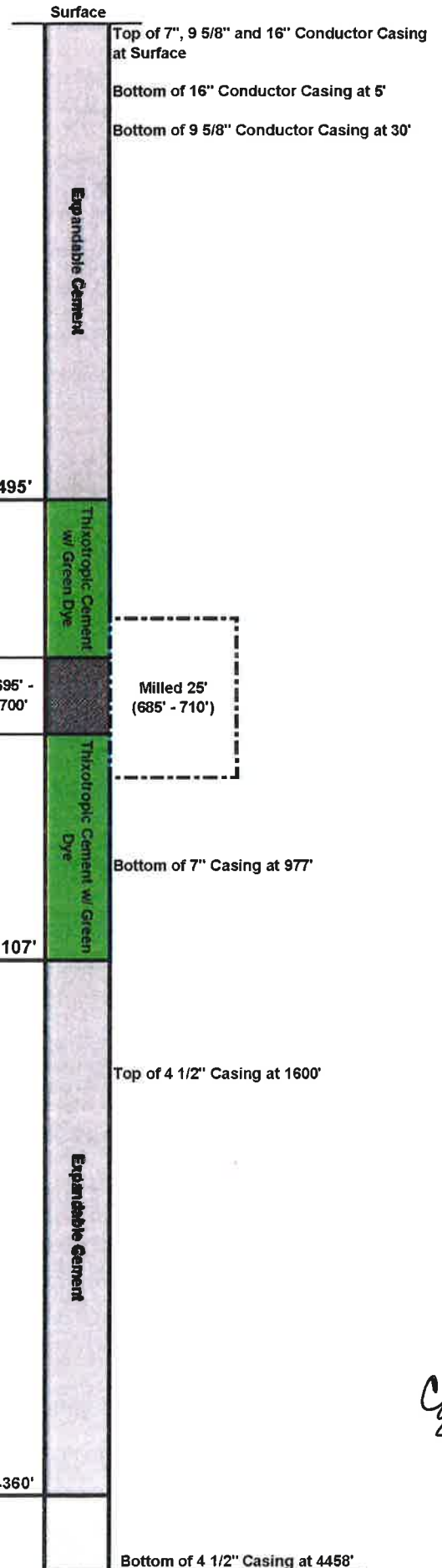
Cement:

Expandable	<u>350</u>	sacks
Thixotropic	<u>125</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>1267'</u>
Bottom of Coal Structure (Map)	<u>567'</u>
Difference	<u>700'</u>



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

CMF

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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
CLARK V. FREEMAN
Lease or Property Owner
RR 1 BOX 430, FLEMINGTON, WV 26347
Address

WOLF RUN MINING LLC
Name of Well Operator
100 TYGART DRIVE GRAFTON, WV 26354
Complete Address
PHILIPPI (545)
Well Location
PLEASANT
District
BARBOUR
County
D-0619
Well No.
CLARK FREEMAN
Farm

STATE INSPECTOR SUPERVISING PLUGGING

Handwritten signature of State Inspector

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 Wolf Run Mining, LLC well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 22nd day of June, 2020 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 a 3 3/4" hole through 4 1/2" casing from surface to 4360'. Tagged solid plug at 4360'. Cemented bottom hole with 165 sacks of Expandable Cement with a gas blocker additive from 4360' to 1600'. Removed 1600' of 4 1/2" casing from surface to 1600'. Left 2858' of 4 1/2" casing from 1600' to 4458'. Cleaned a 6 1/4" hole from surface to 1600'. Tagged bottom hole cement plug at 1600'. Set intermediate plug from 1600' to 1107' with 75 sacks of Expandable Cement. Section milled 7" from 685' to 710' through the Lower Kittanning Coal Seam (695' - 700'). Left 952' of 7" casing from surface to 685' and from 710' to 977' due to extreme cement bond on the 7" 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 depth were measured from 10' above the surface.	4 1/2" Casing 7" Casing 9 5/8" Casing 16" Conductor	1600' Milled 25' 0 0	2858' 952' 30' 5'
Coal Seams		Description of Monument		
<u>Kittanning Coal Seam</u>	695' - 700'	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 3rd day of July, 2020

And further deponents saith not. OFFICIAL SEAL
NOTARY PUBLIC, STATE OF WEST VIRGINIA
Darrell A Dalton
230 Cobun Valley Lane
Morgantown, WV 26508
My Commission Expires September 11, 2024

Sworn to and subscribed before me this 9th day of July, 2020

Matthew A. Yearsley
Matthew A. Yearsley
Kevin S. Wright
Kevin S. Wright

Handwritten signature of Notary Public
Notary Public

My commission expires: Sept. 11, 2024

Permit No. 47-001-02848
Well No. D-0619
Latitude: 39° 13' 2.8" N
Longitude: 80° 05' 57.63" W

Handwritten initials