

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: H.D. Cleavenger Operator Well No.: 2-1323 (0671)

LOCATION: Elevation: 1340' Quadrangle: Philippi (545)  
District: Pleasant County: Barbour  
Latitude: \_\_\_\_\_ Feet South of 39 Deg. 13 Min. 15 Sec.  
Longitude: \_\_\_\_\_ Feet West of 80 Deg. 05 Min. 16 Sec.

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

Company CoalQuest Development Coal Operator 100 Tygart Drive, Grafton, WV 26354  
or Owner \_\_\_\_\_  
Agent Charles E. Duckworth Coal Operator \_\_\_\_\_  
or Owner \_\_\_\_\_  
Permit Issued Date 02/05/2020

AFFIDAVIT

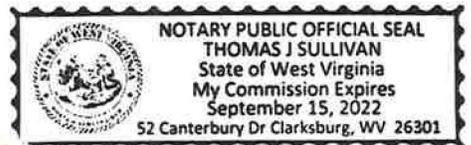
STATE OF WEST VIRGINIA,  
County of Monongalia ss:

Kevin S. Wright 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 2nd day of June, 2020, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Expandable Cement	4453'	1270'		
Triaxotropic Cement w/ Green Dye	1270'	600'		
Expandable Cement	600'	Surface		
4 1/2" Casing	1596'	4521'	1596'	2925'
8 5/8" Casing	Surface	1022'	Milled 25'	997'
13 3/8" Casing	Surface	9'	0'	9'
16" Conductor	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 19th day of June, 2020.

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



Sworn and subscribe before me this 29th day of June, 2020  
My commission expires: 09/15/22  
[Signature]  
Notary Public

Affidavit reviewed by the Office of Oil and Gas: [Signature] Title: OIL & GAS INSPECTOR

## Plugging Report for MSHA

Well Number: 2-1323 (0671) Mine: Arch Coal - Sentinel Mine

Permit Number: 47-001-00671

Date Clean Out Started: 6/2/2020

Date Well Bore Plugged: 6/19/2020

Lower Kittanning Coal Seam: 800 ft. To 805 ft.

**Plugs:**

From	To	Type of Cement
4453'	1596'	180 sks of Expandable Cement w/ Gas Blocker
1596'	1270'	100 sks of Expandable Cement
1270'	600'	195 sks of Thixotropic Cement w/ Green Dye
600'	Surface	155 sks of Expandable Cement

**Casing Remaining in Well Bore**

Thix Top: 600'

	Top	Bottom	Left	Pulled
Sucker Rods				
2 3/8" tubing				
4 1/2" casing	1596'	4521'	2925'	1596'
7" casing				
7" fiberglass				
8 5/8" casing	Surface	1022'	997'	Milled 25'
13 3/8" casing	Surface	9'	9'	0
16" Conductor	Surface	5'	5'	0

Lower Kittanning Coal

800' - 805'

Milled 25' (790' - 815')

**Cement:**

Expandable	<u>435</u>	sacks
Thixotropic	<u>195</u>	sacks
Econofill		sacks
Mud Flush	<u>1000</u>	gal
Other		
Est. Top Thix		ft
Did Cement Circ.	<u>Yes</u>	

Bottom of 8 5/8" Casing at 1022'

**Comments:**

Thix Bottom: 1270'

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

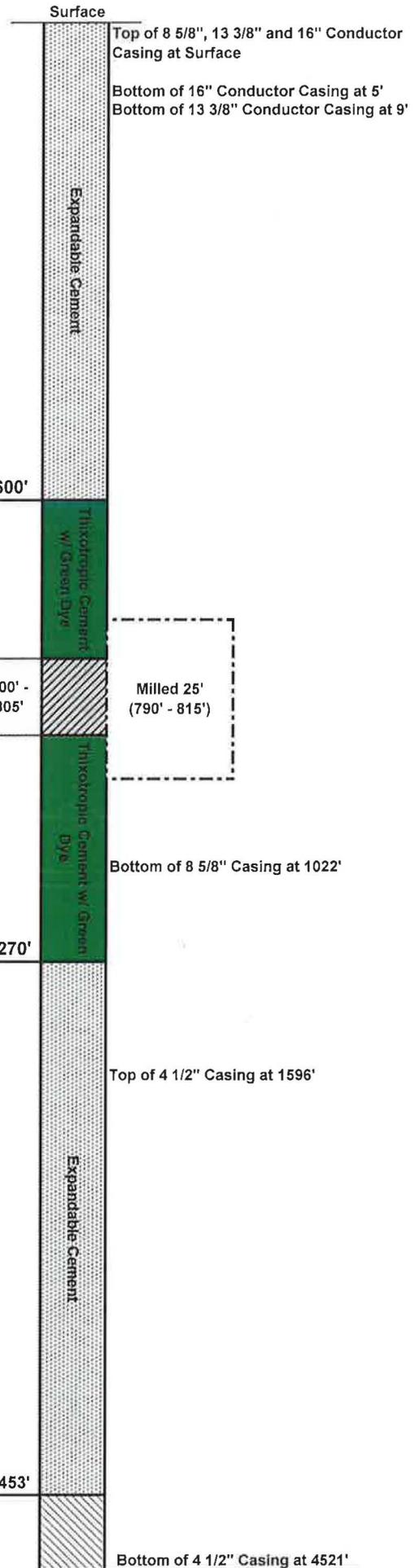
Top of 4 1/2" Casing at 1596'

Surface Elevation (Surveyed)	<u>1340'</u>
Bottom of Coal Structure (Map)	<u>535'</u>
Difference	<u>805'</u>

Total Depth: 4453'

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

Bottom of 4 1/2" Casing at 4521'



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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

CHARLES E. CLEAVENGER, ET AL  
Lease or Property Owner  
185 MARYS LANE PHILIPPI, WV 26416  
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  
2-1323  
Well No.

H.D. CLEAVENGER  
Farm

STATE INSPECTOR SUPERVISING PLUGGING *Thomas J. Sullivan*

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 2<sup>nd</sup> day of June, 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 3/4" hole through 4 1/2" casing from surface to 4453'. Tagged solid plug at 4453'. Cemented bottom hole with 180 sacks of Expandable Cement with a gas blocker additive from 4453' to 1596'. Removed 1596' of 4 1/2" casing from surface to 1596'. Left 2925' of 4 1/2" casing from 1596' to 4521'. Cleaned a 7 7/8" hole from surface to 1596'. Tagged bottom hole cement plug at 1596'. Set intermediate plug from 1596' to 1270' with 100 sacks of Expandable Cement. Section milled 8 5/8" from 790' to 815' through the Lower Kittanning Coal Seam (800' - 805'). Left 790' of 8 5/8" casing from surface to 790' and 207' from 815' to 1022' due to extreme cement bond on 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 depth were measured from 10' above the surface.		4 1/2" Casing	1596'	2925'	
			8 5/8" Casing	Milled 25'	997'
			13 3/8" Casing	0	9'
			16" Conductor	0	5'
<b>Coal Seams</b>		<b>Description of Monument</b>			
<u>Kittanning Coal Seam</u>	<u>800' - 805'</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 19<sup>th</sup> day of June, 2020

And further deponents saith not.

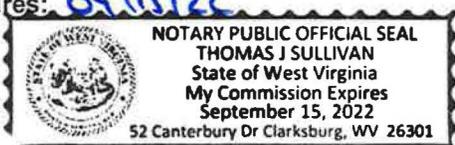
*Matthew A. Yearsley*  
Matthew A. Yearsley

*Kevin S. Wright*  
Kevin S. Wright

Sworn to and subscribed before me this 29<sup>th</sup> day of June, 2020

*Thomas J. Sullivan*  
Notary Public

My commission expires: 09/15/22



Permit No. 47-001-00671  
Well No. 2-1323  
Latitude: 39° 13' 15" N  
Longitude: 80° 05' 16" W