

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: Herman J. Poling Operator Well No.: 1-1581-U

LOCATION: Elevation: 1505' Quadrangle: Philippi  
District: Pleasant County: Barbour  
Latitude: \_\_\_\_\_ Feet South of 39 Deg. 11 Min. 31 Sec.  
Longitude: \_\_\_\_\_ Feet West of 80 Deg. 04 Min. 02 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 07/30/2019

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 19th day of September, 2019, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Expandable Cement	4332'	Surface		
4 1/2" Casing	1995'	4401'	1995'	2406'
8 5/8" casing	Surface	1017'	0	1017'
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 7th day of October, 2019.

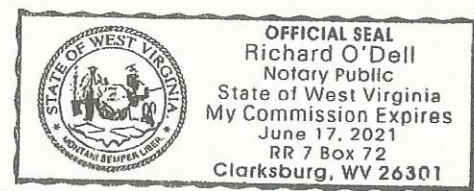
And further deponents saith not. [Signature]

[Signature]

Sworn and subscribe before me this 21st day of October, 2019

My commission expires: 06/17/2021

[Signature]  
Notary Public



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

# Plugging Report for MSHA

Well Number: 1-1581-U

Mine: Arch - Sentinel Mine

Permit Number: 47-001-01320

Date Clean Out Started: 9/19/2019

Date Well Bore Plugged: 10/7/2019

Pittsburgh Coal Seam: 658 ft. To 663 ft.

**Plugs:**

From	To	Type of Cement
<u>4332'</u>	<u>Surface</u>	<u>Expandable Cement</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

**Casing Remaining in Well Bore**

	Top	Bottom	Left	Pulled
Sucker Rods				
2 3/8" tubing				
4 1/2" casing	1995'	4401'	2406'	1995'
7" casing				
7" fiberglass				
8 5/8" casing	Surface	1017'	1017'	0
10 3/4" casing				
16" Conductor	Surface	5'	5'	0

**Cement:**

Expandable	<u>660</u>	sacks
Thixotropic	_____	sacks
Econofill	_____	sacks
Mud Flush	<u>1000</u>	gal
Other	_____	
Est. Top Thix	_____	ft
Did Cement Circ.	<u>yes</u>	

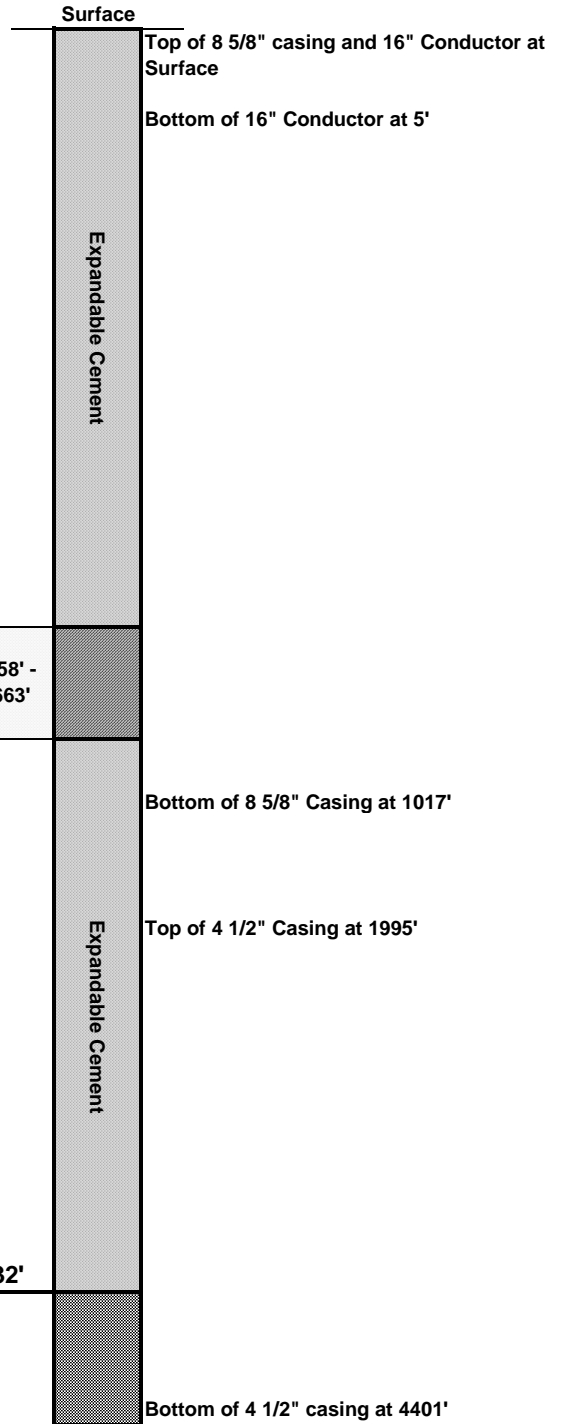
**Comments:**

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) \_\_\_\_\_  
 Bottom of Coal Structure (Map) \_\_\_\_\_  
 Difference \_\_\_\_\_

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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

WOLF RUN MINING LLC.  
Lease or Property Owner  
100 TYGART DRIVE GRAFTON, WV 26354  
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  
1-1581-U  
Well No.

HERMAN J. POLING  
Farm

STATE INSPECTOR SUPERVISING PLUGGING

*[Signature]*

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 19<sup>TH</sup> day of September, 2019 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
Removed 4273' of 1 1/2" tubing from surface. Cleaned a 3 3/4" hole through 4 1/2" casing from surface to 4332'. Tagged solid plug at 4332'. Cemented bottom hole with 140 sacks of Expandable Cement with gas blocker additive from 4332' to 1995'. Removed 1995' of 4 1/2" casing from surface to 1995'. Left 2406' of 4 1/2" casing from 1995' to 4401' due to extreme bond. Cleaned a 7 7/8" hole from surface to 1995'. Tagged solid plug at 1995'. Cemented intermediate plug from 1995' to 1000' with 245 sacks of Expandable Cement. Lower Kittanning Coal Seam (658' to 663'). Left 1017' of 8 5/8" casing from surface to 1017'. Due to extreme bond on 8 5/8" casing, no additional perforations or rips required per leer mines 101C Petition. Casing depths were taken from previous well records.		1 1/2" Tubing	4273'	0
		4 1/2" Casing	1995'	2406'
		8 5/8" Casing	0	1017'
		16" Conductor	0	5'
<b>Cemented hole from 1000' to surface as follows:</b>				
From 1000' to surface with 275 sacks of Expandable Cement. Cement did circulate at surface. Left 5' of 16" conductor in hole at surface.				
<b>Coal Seams</b>		<b>Description of Monument</b>		
<u>Pittsburgh</u>	658'-663'	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 7<sup>th</sup> day of October, 2019

And further deponents saith not.

*[Signature]*  
Ralph K. Harman

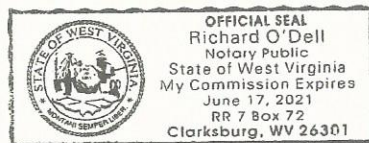
*[Signature]*  
Matthew A. Yearsley

Sworn to and subscribed before me this 21<sup>st</sup> day of October, 2019

*[Signature]*  
Notary Public

My commission expires:

06/17/2021



Permit No. 47-001-01320  
Well No. 1-1581-U  
Latitude: 39° 11' 31" N  
Longitude: 80° 04' 02" W