

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: John Richman Operator Well No.: D-42

LOCATION: Elevation: 1450' Quadrangle: Thornton, WV 7.5'
District: Knottsville County: Taylor
Latitude: _____ Feet South of 39 Deg. 18 Min. 26 Sec.
Longitude: _____ Feet West of 79 Deg. 57 Min. 44 Sec.

Well Type: OIL _____ GAS XX

Company CoalQuest Development Coal Operator 100 Tygart Drive Grafton, WV 26354
or Owner _____
Coal Operator _____
Agent Charles E. Duckworth or Owner _____
Permit Issued Date 10/16/2019

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Monongalia ss:

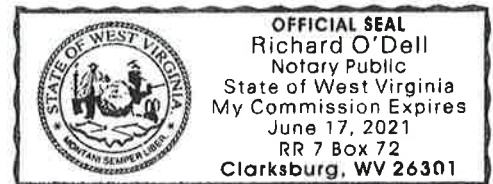
Ralph K. Harman and Matthew A. Yearsley being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well say that said work was commenced on the 31st day of January, 2020, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Expandable Cement	5130'	880'		
Thixotropic w/ Green Dye	880'	269'		
Expandable Cement	269'	Surface		
4 1/2" Casing	2160'	5222'	2160'	3062'
8 5/8" Casing	Surface	1147'	Milled 25'	1122'
11 3/4" Casing	Surface	222'	0	222'
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 24th day of February, 2020.

And further deponents saith not. [Signature]

Sworn and subscribe before me this 27th day of February, 2020



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: D-42 (0644)

Mine: Arch Coal - Leer Mine

Permit Number: 47-091-00644

Date Clean Out Started: 1/31/2020

Date Well Bore Plugged: 2/24/2020

Lower Kittanning Coal Seam: 469 ft. To 474 ft.

Plugs:

From	To	Type of Cement
<u>5130'</u>	<u>880'</u>	<u>Expandable Cement</u>
<u>880'</u>	<u>269'</u>	<u>Thixotropic Cement w/ Green Dye</u>
<u>269'</u>	<u>Surface</u>	<u>Expandable Cement</u>

Casing Remaining in Well Bore

Thix Top: 269'

	Top	Bottom	Left	Pulled
Sucker Rods				
2 3/8" tubing				
4 1/2" casing	2160'	5222'	3062'	2160'
7" casing				
7" fiberglass				
8 5/8" casing	Surface	1147'	1122'	Milled 25'
11 3/4" casing	Surface	222'	222'	0
16" Conductor	Surface	5'	5'	0

Cement:

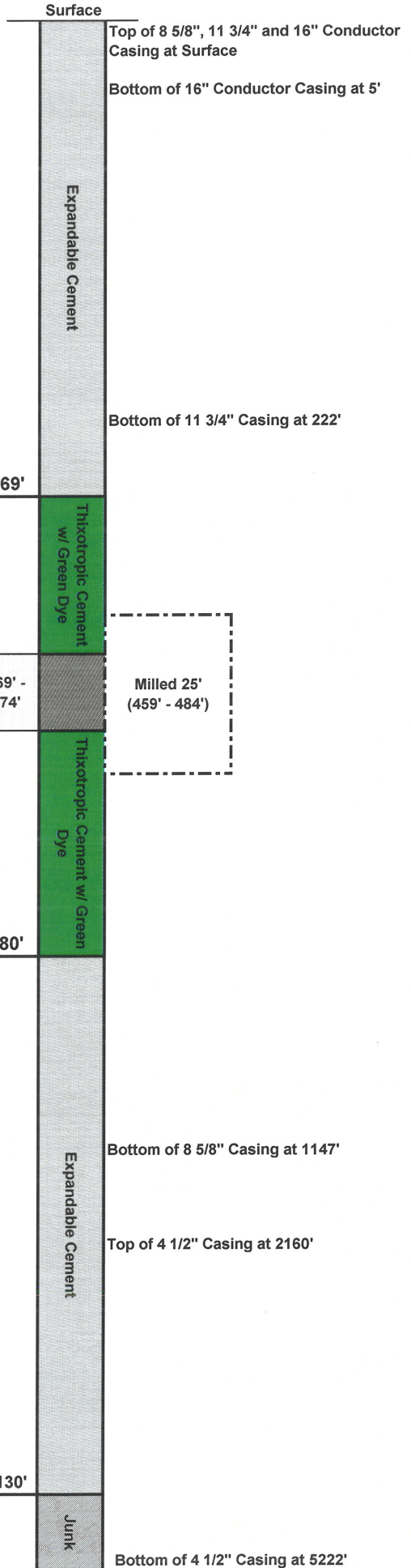
Expandable	<u>540</u>	sacks
Thixotropic	<u>185</u>	sacks
Econofill		sacks
Mud Flush	<u>1000</u>	gal
Other		
Est. Top Thix		ft
Did Cement Circ.	<u>Yes</u>	

Comments:

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

Surface Elevation (Surveyed)	<u>1450'</u>
Bottom of Coal Structure (Map)	<u>976'</u>
Difference	<u>474</u>

Total Depth: 5130'



CUD

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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
JOHN RICHMAN
Lease or Property Owner
335 SANDY CREEK ROAD GRAFTON, WV 26354
Address

ICG TYGART VALLEY, LLC
Name of Well Operator
100 TYGART DRIVE GRAFTON, WV 26354
Complete Address
THORNTON
Well Location
KNOTTSVILLE
District
TAYLOR
County
D-42
Well No.
JOHN RICHMAN
Farm

STATE INSPECTOR SUPERVISING PLUGGING *Richard L. Stegels*
AFFIDAVIT

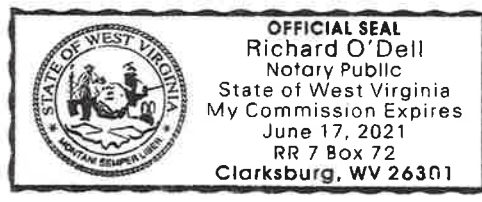
STATE OF WEST VIRGINIA,
County of MONONGALIA ss:
RALPH K. HARMAN and MATTHEW A. YEARSLEY being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Consolidation Coal Company well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 31ST day of January, 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 5130'. Tagged solid plug at 5130'. Cemented bottom hole with 175 sacks of Expandable Cement with gas blocker additive from 5130' to 2160'. Removed 2160' of 4 1/2" casing from surface to 2160'. Left 3062' of 4 1/2" casing from 2160' to 5222'. Cleaned a 7 7/8" hole from surface to 2160'. Set an intermediate plug from 2160' to 880' with 295 sacks of Expandable Cement. Section milled 8 5/8" casing from 459' to 484' through the lower Kittanning Coal Seam (469' to 474'). Left 459' of 8 5/8" casing from surface to 459' and 663' from 484' to 1147'. Due to extreme bond of 8 5/8" casing, no additional perforations or rips were required per Leer Mines 101C Petition. Casing depths were taken from previous well records.		4 1/2" Casing	2160'	3062'	
			8 5/8" Casing	Milled 25'	1122'
			11 3/4" Casing	0	222'
			16" Conductor	0	5'
Cement hole from 880' to surface as follows:					
From 880' to 269' with 185 sacks of Thixotropic Cement with Green Dye. From 269' to surface with 70 sacks of Expandable Cement. Cement did circulate at surface. Left 5' of 16" conductor pipe in well from surface to 5'.					
Coal Seams		Description of Monument			
<u>Lower Kittanning Coal Seam</u>	<u>469' - 474'</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 24th day of February, 2020
And further deponents saith not.
Ralph K. Harman
Ralph K. Harman
Matthew A. Yearsley
Matthew A. Yearsley

Sworn to and subscribed before me this 27th day of February, 2020
[Signature]
Notary Public

My commission expires:
06/17/2021



Permit No. 47-091-00644
Well No. D-42
Latitude: 39° 18' 26" N
Longitude: 79° 57' 44" W

DMG