

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: Lundy Operator Well No.: J-1303 (0540)

LOCATION: Elevation: 1510 Quadrangle: Thorton (638)
District: Knottsville County: Taylor
Latitude: _____ Feet South of 39 Deg. 17 Min. 53 Sec.
Longitude: _____ Feet West of -79 Deg. 57 Min. 52 Sec.

Well Type: OIL _____ GAS X

Company ICG Tygart Valley, 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 09/17/2020

AFFIDAVIT

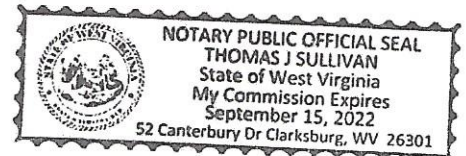
STATE OF WEST VIRGINIA,
County of Monongalia ss:

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 2nd day of December, 2020, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Expandable Cement w/Gas Blocker	5175'	3500'		
Expandable Cement	3500'	872'		
Thixotropic Cement w/ Green Dye	872'	253'		
Expandable Cement	253'	Surface'		
4 1/2" Casing	5290'	2300'	2300'	2990'
8 5/8" Casing	Surface	1051'	Milled 28'	1023'
16" Conductor Pipe	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 30th day of December, 2020.

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



Sworn and subscribe before me this 11th day of Jan, 2021

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

Affidavit reviewed by the Office of Oil and Gas: Bryan Ham Title: Inspector

03/12/2021

Plugging Report for MSHA

Well Number: J-1303 (0540) Mine: Arch Coal - Leer Mine

Permit Number: 47-091-00540

Date Clean Out Started: 12/2/2020

Date Well Bore Plugged: 12/30/2020

Lower Kittanning Coal Seam: 467 ft. To 471.5 ft.

Plugs:

From	To	Type of Cement
5175'	3500'	100 sacks of Expandable Cement w/ Gas Blocker
3500'	2300'	75 sacks of Expandable Cement
2300'	872'	345 sacks of Expandable Cement
872'	253'	190 sacks of Thixotropic Cement w/ Green Dye
253'	Surface	85 sacks of Expandable Cement

Casing Remaining in Well Bore

	Top	Bottom	Left	Pulled
1 1/2" Tubing			0'	5165'
2 3/8" tubing				
4 1/2" casing	2300'	5290'	2990'	2300'
7" casing				
7" fiberglass				
8 5/8" casing	Surface	1051'	1023'	Milled 28'
11 3/4" casing				
16" Conductor	Surface	5'	5'	0

Cement:

Expandable _____ 605 _____ sacks

Thixotropic _____ 190 _____ sacks

Econofill _____ _____ sacks

Mud Flush _____ 1000 _____ gal

Other _____ _____

Est. Top Thix _____ ft

Did Cement Circ. _____ Yes _____

Comments:

Caving: Extreme Moderate **Normal**

Lost Circulation: Extreme Moderate **Normal**

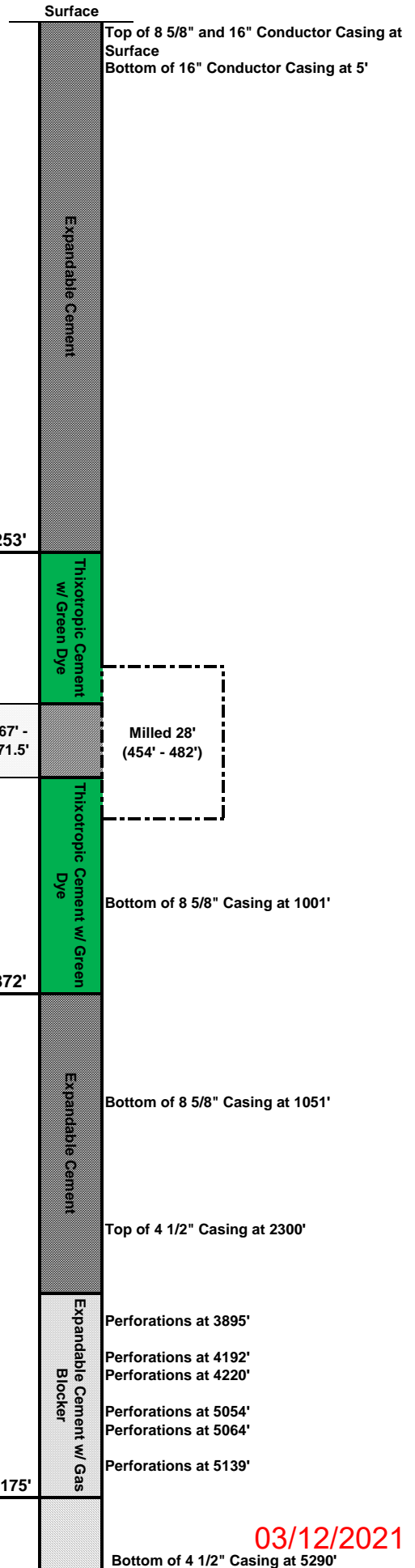
Difficulty in Removing Casing: **Extreme** Moderate Normal

Debris in Well Bore: Wood **Steel** Other: _____

Surface Elevation (Surveyed) 1510'

Bottom of Coal Structure (Map) 1039'

Difference 471'



Thix Top: 253'

Lower Kittanning Coal

467' - 471.5'

Milled 28' (454' - 482')

Bottom of 8 5/8" Casing at 1001'

Thix Bottom: 872'

Bottom of 8 5/8" Casing at 1051'

Top of 4 1/2" Casing at 2300'

Perforations at 3895'

Perforations at 4192'

Perforations at 4220'

Perforations at 5054'

Perforations at 5064'

Perforations at 5139'

Total Depth: 5175'

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

03/12/2021

Bottom of 4 1/2" Casing at 5290'

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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
BRANDON & LAURIE MCDANIEL
Lease or Property Owner
300 LUDWIG ROAD GRAFTON, WV 26354
Address

ICG TYGART VALLEY, LLC
Name of Well Operator
100 TYGART DRIVE GRAFTON, WV 26354
Complete Address
THORTON (638)
Well Location
KNOTSVILLE
District
TAYLOR
County
J-1303
Well No.
LUNDY
Farm

STATE INSPECTOR SUPERVISING PLUGGING

Debra Harris

AFFIDAVIT

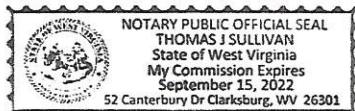
STATE OF WEST VIRGINIA,
County of MONONGALIA ss:

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 2nd day of December, 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
Removed 5165' of 1 1/2" tubing from the surface to 5165'. Cleaned out the existing 4 1/2" casing with a 3 3/4" bit from the surface to 5175'. Cemented the bottom hole from 5175' to 3500' with 100 sacks of Expandable Cement with a gas blocker additive. Tagged top of bottom hole plug at 3500'. Removed 2300' of 4 1/2" casing from the surface to 2300'. Left 2990' of 4 1/2" casing in the hole from 2300' to 5290'. The 4 1/2" casing had existing perforations at 5139', 5064', 5054', 4220', 4192' and 3895'. Set intermediate cement plug from top of bottom hole plug at 3500' to 2300' with 75 sacks of Expandable Cement. Tagged top of intermediate plug at 2300'. Set an additional intermediate plug from 2300' to 872' with 345 sacks of Expandable Cement. Due to cement bonding a 28' window was sectioned milled in the existing 8 5/8" casing through the Lower Kittanning Coal Seam (467' - 471.5') from 454' to 482'. A total of 1023' of 8 5/8" casing was left in the hole from the surface to 1051'. Due to cement bonding of the 8 5/8" casing no additional rips or perforation were required per the Leer Mine 101C Petition. Left 5' of 16" conductor pipe in the hole from the surface to 5'. All electronic logs and depths were taken 10' above the surface. Cemented hole from 872' to surface as follows: From 872' to 253' with 190 sacks of Thixotropic Cement with Green Dye. From 253' to surface with 85 sacks of Expandable Cement. Cement did circulate at surface. A total of 795 sacks of cement were used to fill the well from 5175' to surface.	1 1/2" Tubing	5165'	0'	
	4 1/2" Casing	2300'	2990'	
	8 5/8" Casing	Milled 28'	1023'	
	16" Conductor	0'	5'	
Coal Seams		Description of Monument		
<u>Kittanning Coal Seam</u>	<u>467' - 471.5'</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 30th day of December, 2020

And further deponents saith not.



Sworn to and subscribed before me this 11th day of Jan 2021

Matthew A. Yearsley

Matthew A. Yearsley

Kevin S. Wright

Kevin S. Wright

Debra Harris
Notary Public

My commission expires: 09/15/22

Permit No. 47-091-00540
Well No. J-1303
Latitude: 39° 17' 53" N
Longitude: -79° 57' 52" W

03/12/2021