

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: Mable Boyles Operator Well No.: J-1221 (0506)

LOCATION: Elevation: 1510' Quadrangle: Thornton (638)
District: Knottsville County: Taylor
Latitude: 39.296644 Feet South of 39 Deg. 17 Min. 47.668 Sec.
Longitude: -79.95100 Feet West of -79 Deg. 57 Min. 04.391 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 10/21/2019

AFFIDAVIT

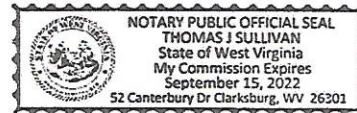
STATE OF WEST VIRGINIA,
County of Monongalia ss:

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 19th day of August, 2020, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Expandable Cement w/ Gas Blocker	5080'	2301'		
Expandable Cement	2301'	861'		
Thixotropic w/ Green Dye	861'	140'		
Expandable Cement	140'	Surface		
4 1/2" Casing	2301'	5123'	2301'	2822'
8 5/8" Casing	Surface	977'	Milled 27'	950'
11 3/4" 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 4th day of September, 2020.

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



Sworn and subscribe before me this 15th day of Sep, 2020

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

Affidavit reviewed by the Office of Oil and Gas: Suzan Harris Title: 9-16-20
Inspector

Plugging Report for MSHA

Well Number: J-1221 (0506)

Mine: Arch Coal - Leer Mine

Permit Number: 47-091-00506

Date Clean Out Started: 8/19/2020

Date Well Bore Plugged: 9/4/2020

Lower Kittanning Coal Seam: 340 ft. To 347 ft.

Plugs:

From	To	Type of Cement
5080'	2301'	165 sks of Expandable Cement w/ Gas Blocker
2301'	861'	365 sks of Expandable Cement
861'	140'	215 sks of Thixotropic Cement w/ Green Dye
140'	Surface	100 sks of Expandable Cement

Casing Remaining in Well Bore

Thix Top: 140'

	Top	Bottom	Left	Pulled
Sucker Rods				
2 3/8" tubing				
4 1/2" casing	2301'	5123'	2822'	2301'
7" casing				
7" fiberglass				
8 5/8" casing	Surface	977'	950'	Milled 27'
11 3/4" casing	Surface	30'	30'	0'
16" Conductor	Surface	5'	5'	0

Lower Kittanning Coal

340' - 347'

Milled 27'
(330' - 357')

Cement:

Expandable	<u>630</u>	sacks
Thixotropic	<u>215</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: _____

Thix Bottom: 861'

Surface Elevation (Surveyed)	<u>1510'</u>
Bottom of Coal Structure (Map)	<u>1163'</u>
Difference	<u>347'</u>

Total Depth: 5080'

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

Surface

Top of 8 5/8", 11 3/4" and 16" Conductor Casing at Surface

Bottom of 16" Conductor Casing at 5'

Bottom of 11 3/4" Casing at 30'

Expandable Cement

Thixotropic Cement w/ Green Dye

Thixotropic Cement w/ Green Dye

Expandable Cement

Expandable Cement w/ Gas Blocker

Bottom of 8 5/8" Casing at 977'

Top of 4 1/2" Casing at 2301'

Bottom of 4 1/2" Casing at 5123'

AFFIDAVIT OF PLUGGING AND FILLING WELL

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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
DARRELL & KATHRYN LOUGHRY
Lease or Property Owner
153 PRUNTYTOWN PIKE GRAFTON, WV 26354
Address

ICG TYGART VALLEY, LLC
Name of Well Operator
100 TYGART DRIVE GRAFTON, WV 26354
Complete Address
THORNTON (638)
Well Location
KNOTSVILLE
District
TAYLOR
County
J-1221
Well No.
MABLE BOYLES
Farm

STATE INSPECTOR SUPERVISING PLUGGING

Duane Mann

AFFIDAVIT

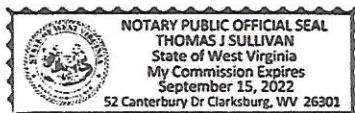
STATE OF WEST VIRGINIA,
County of MONONGALIA ss:

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 19th day of August, 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 5080'. Tagged solid plug at 5080'. Cemented bottom hole with 165 sacks of Expandable Cement with a gas blocker additive from 5080' to 2301'. Removed 2301' of 4 1/2" casing from surface to 2301'. Left 2822' of 4 1/2" casing from 2301' to 5123'. Cleaned a 7 7/8" hole from the surface to 2301'. Tagged bottom hole cement plug at 2301'. Set intermediate cement plug from 2301' to 861' with 365 sacks of Expandable Cement. Section milled window in 8 5/8" casing through the Lower Kittanning Coal Seam (340' - 347') from 330' to 357'. Left 950' of 8 5/8" casing in the hole from the surface to 330' and from 357' to 977' due to extreme cement bond on the 8 5/8" casing. No additional perforations or rips were required per the Leer Mine 101C Petition. Left 30' of 11 3/4" casing in the hole from 30' to surface. All casing depths were taken from previous well records. All electronic logs and depths were measured from 10' above the surface.		4 1/2" Casing	2301'	2822'	
			8 5/8" Casing	Milled 27'	950'
			11 3/4" Casing	0'	30'
			16" Conductor	0	5'
Cemented hole from 861' to surface as follows:					
From 861' to 140' with 215 sacks of Thixotropic Cement with Green Dye. From 140' to surface with 100 sacks of Expandable Cement. Cement did circulate at surface. A total of 845 sacks of cement were used to cement the well to surface. Left 5' of 16" conductor pipe in the well at surface.					
Coal Seams		Description of Monument			
<u>Kittanning Coal Seam</u>	<u>340' - 347'</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 4th day of September, 2020

And further deponents saith not.



Sworn to and subscribed before me this 15th day of Sep, 2020

Matthew A. Yearsley

Matthew A. Yearsley

Kevin S. Wright

Kevin S. Wright

[Signature]

Notary Public

My commission expires: 09/15/22

Permit No. 47-091-0506
Well No. J-1221
Latitude: 39° 17' 47.668" N
Longitude: -79° 57' 04.391" W