

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPPLICATE, 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: Betty Boyles Operator Well No.: S-871 Betty Boyles #1

LOCATION: Elevation: 1474' Quadrangle: Thornton (638)  
District: Knottsville County: Taylor  
Latitude: \_\_\_\_\_ Feet South of 39 Deg. 17 Min. 58 Sec.  
Longitude: \_\_\_\_\_ Feet West of -79 Deg. 57 Min. 30 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 02/26/2020

AFFIDAVIT

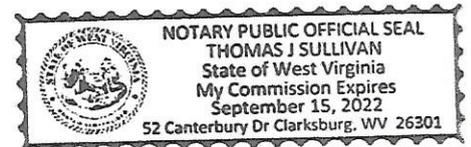
STATE OF WEST VIRGINIA,  
County of Monongalia ss:

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 7th day of January, 2021, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Expandable Cement w/ Gas Blocker	4314'	1600'		
Expandable Cement	1600'	830'		
Thixotropic Cement w/ Green Dye	830'	195'		
Expandable Cement	195'	Surface		
4 1/2" Casing	1354'	4314'	1354'	2960'
8 5/8" Casing	Surface	983'	Milled 26'	957'
11 3/4" Casing	Surface	224'	0'	224'

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 22nd day of January, 2021.

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



Sworn and subscribe before me this 29th day of Jan, 2021

My commission expires: 09/15/22  
Thomas J. Sullivan  
Notary Public

Affidavit reviewed by the Office of Oil and Gas: Supervisor O'Hara Title: Inspector 1-29-21

# Plugging Report for MSHA

Well Number: S-871 Betty Boyles #1

Mine: Arch Coal - Leer Mine

Permit Number: 47-001-00674

Date Clean Out Started: 1/7/2021

Date Well Bore Plugged: 1/22/2021

Lower Kittanning Coal Seam: 395 ft. To 401 ft.

**Plugs:**

From	To	Type of Cement
4314'	1600'	150 sks of Expandable Cement w/ Gas Blocker
1600'	830'	145 sks of Expandable Cement
830'	195'	190 sks of Thixotropic Cement w/ Green Dye
195'	Surface	60 sks of Expandable Cement

**Casing Remaining in Well Bore**

Thix Top: 195'

	Top	Bottom	Left	Pulled
Sucker Rods				
2 3/8" tubing				
4 1/2" casing	1354'	4314'	2960'	1354'
7" casing				
7" fiberglass				
8 5/8" casing	Surface	983'	957'	Milled 26'
11 3/4" casing	Surface	224'	224'	0'
16" Conductor	Surface	5'	5'	0

Lower Kittanning Coal

**Cement:**

Expandable	355	sacks
Thixotropic	190	sacks
Econofill		sacks
Mud Flush	1000	gal
Other		
Est. Top Thix		ft
Did Cement Circ.	Yes	

**Comments:**

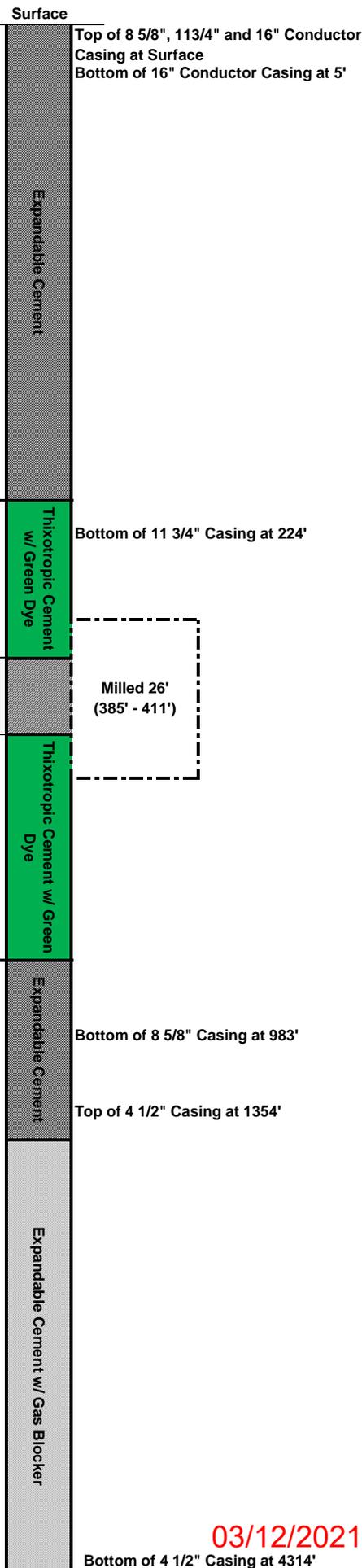
Caving: Extreme Moderate **Normal**  
 Lost Circulation: **Extreme** Moderate Normal  
 Difficulty in Removing Casing: **Extreme** Moderate Normal  
 Debris in Well Bore: Wood **Steel** Other: \_\_\_\_\_

Thix Bottom: 830'

Surface Elevation (Surveyed)	1474'
Bottom of Coal Structure (Map)	1073'
Difference	401'

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

Total Depth: 4314'



03/12/2021

Bottom of 4 1/2" Casing at 4314'

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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  
DWAYNE and ANITA BOLYARD  
Lease or Property Owner  
873 SANDY CREEK 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  
KNOTTSVILLE  
District  
TAYLOR  
County  
S-871 BETTY BOYLES #1  
Well No.  
BETTY BOYLES  
Farm,

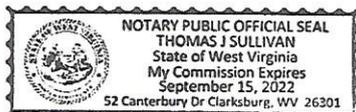
STATE INSPECTOR SUPERVISING PLUGGING Duane O'Hara 1-29-21  
AFFIDAVIT

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 7<sup>th</sup> day of January, 2021 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 the 4 1/2" casing from the surface to 4314'. Tagged solid plug at 4314'. Cemented bottom hole with 150 sacks of Expandable Cement with a gas blocker additive from 4314' to 1600'. Removed 1354' of 4 1/2" casing from surface to 1354'. Left 2960' of 4 1/2" casing in the hole from 1354' to 4314'. Cleaned a 7 7/8" hole from the surface to 1354'. Reduced the hole to 3 3/4" at 1354'. Cleaned a 3 3/4" hole from 1354' to 1600'. Tagged bottom hole cement plug at 1600'. Set intermediate cement plug from 1600' to 830' with 145 sacks of Expandable Cement. Section milled window in 8 5/8" casing through the Lower Kittanning Coal Seam (395' - 401') from 385' to 411'. Left 957' of 8 5/8" casing in the hole from the surface to 385' and from 411' to 983' due to extreme cement bond on the 8 5/8" casing. No additional perforations or rips were required per the Leer Mine 101C Petition. 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	1354'	2960'	
			8 5/8" Casing	Milled 26'	957'
			11 3/4" Casing	0'	224'
			16" Conductor	0'	5'
<b>Cemented hole from 830' to surface as follows:</b> From 830' to 195' with 190 sacks of Thixotropic Cement with Green Dye. From 195' to surface with 60 sacks of Expandable Cement. Cement did circulate at surface. A total of 545 sacks of cement were used to fill the well 4314' to surface. Left 5' of 16" conductor pipe in the well at surface.					
<b>Coal Seams</b>		<b>Description of Monument</b>			
<u>Kittanning Coal Seam</u>	<u>395' - 401'</u>	<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.</u>			

... and that the work of plugging and filling said well was completed on the 22nd day of January, 2021

And further deponents saith not.



Sworn to and subscribed before me this 27th day of Jan, 2021

Matthew A. Yearsley

Matthew A. Yearsley

Kevin S. Wright

Kevin S. Wright

[Signature]

Notary Public

My commission expires: 09/15/22

Permit No. 47-001-00674  
Well No. S-871 Betty Boyles #1  
Latitude: 39° 17' 58" N  
Longitude: -79° 57' 30" W