

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: Johnson, Holly & Maxine Operator Well No.: 517

LOCATION: Elevation: 1568.50' Quadrangle: Thornton (638)
District: Knottsville County: Taylor
Latitude: _____ Feet South of 39 Deg. 18 Min. 02 Sec.
Longitude: _____ Feet West of 79 Deg. 59 Min. 08 Sec.

Well Type: OIL _____ GAS X

Company ICG Tygart Valley, LLC Coal Operator 100 Tygart Drive
or Owner Grafton WV, 26354
Agent Charles Duckworth Coal Operator _____
or Owner _____
Permit Issued Date 01/30/17

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Taylor ss:

Michael W. Campbell 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 1st day of June, 2017, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Expandable	5181'	1151'		
Thixotropic	1151'	492'		
Expandable	492'	Surface		
4 1/2"	1151'	Unknown	1151'	Unknown
8 5/8"	Surface	672'	0'	672'
8 5/8"	704'	1020'	Milled 30'	316'
16" Conductor	Surface	5'	0'	5'

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MAR 30 2018

WV Department of
Environmental Protection

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 15th day of June, 2017.

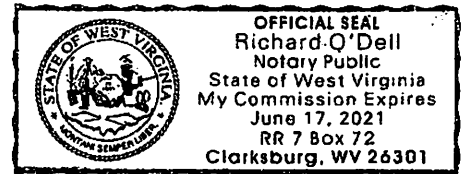
And further deponents saith not. [Signature]

[Signature]

Sworn and subscribe before me this 26th day of March, 2018

My commission expires: 06/17/2021

[Signature]
Notary Public



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

Plugging Report for MSHA

Well Number: 517 Mine: ICG Tygart Valley, LLC
 Permit Number: 47-091-00517-P
 Date Clean Out Started: 6/1/2017
 Date Well Bore Plugged: 6/15/2017
 Lower Kittanning Coal Seam: 686 ft. To 692 ft.

From	To	Type of Cement
5181'	2617'	Expandable Cement w/ Gas Blocker
2617'	1151'	Expandable Cement
1151'	492'	Thixotropic Cement w/ Green Dye
492'	Surface	Expandable Cement

Thix Top: 492'

Thix Bottom: 1151'

Casing Remaining in Well Bore

	Top	Bottom	Left	Pulled
1 1/2" tubing				
2 3/8" tubing				
4 1/2" casing				
7" casing				
8 5/8" casing	Surface	672	672	0
8 5/8" casing	704	1020	316	0
11 3/4" casing				
16" conductor casing	Surface	5'	5'	0'
Other				

Lower Kittanning Coal 686' to 692'

Surface
 Top of 16" Conductor & 8 5/8" Casing at Surface
 Bottom of 16" Conductor Casing at 5'

COPY

Section Mill 8 5/8" casing from 672' to 704'

Top of 8 5/8" casing at 704'

Bottom of 8 5/8" casing at 1020'

Cement:

Expansive		sacks
Thixotropic	190	sacks
Econofill	360	sacks
Mud Flush	0	Gal.
Other	GAS BLOCKER	
Est. Top Thix	492'	
Did Cement Circ.	Yes	

Comments:

Caving: Extreme Moderate Normal
 Lost Circulation: Extreme Moderate Normal
 Difficulty In Removing Casing: Extreme Moderate Normal Does not apply
 Debris in Well Bore: Wood Steel Other: _____

Surface Elevation (Surveyed)	1568.5
Bottom of Coal Structure (Map)	692
Difference	876.5

Total Depth: 5181'

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CWJ

Supplemental

FORM WR-38
(Affidavit of Plugging)

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS WELLS DIVISION

COPY

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Division, 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.

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

CALVIN R. JOHNSON
Lease or Property Owner
313 WESLEY CHAPEL ROAD GRAFTON, WV 26354
Address

ICG TYGART VALLEY, LLC
Name of Well Operator
100 TYGART DRIVE, GRAFTON, WV 26354
Complete Address

JOHNSON PROPERTY (517)
Well Location
KNOTTSTVILLE
District
TAYLOR
County
517
Well No.
JOHNSON, HOLLY & MAXINE
Farm

STATE INSPECTOR SUPERVISING PLUGGING *Lawrence L. Reynolds*
AFFIDAVIT

STATE OF WEST VIRGINIA,
County of TAYLOR ss:

MICHAEL CAMPBELL 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 1st day of June, 2017 and that the well was plugged in the following manner:

Formation	Filling Material	Casing Size & Kind	Casing Pulled	Casing Left In
Cleaned a 3 3/4" hole through the 4 1/2" casing from surface to 5181'. Tagged solid plug at 5181'. Cemented bottom hole plug from 5181' to 2400' with 165 sacks of Expandable Cement with a Gas Blocker Additive. Tagged top of bottom hole plug with open ended drill pipe at 2617'. Cemented from 2617' to 1150' with 85 sacks of Expandable Cement. Tagged cement plug at 1151'. Removed 1151' of 4 1/2" casing from surface to 1151'. Left an unknown amount of 4 1/2" casing in the hole from 1151' to an unknown depth due to extreme bond. Cleaned 7 7/8" hole from Surface to 1151'. Tagged top of 4 1/2" casing and cement plug at 1151'. The bond log verifies extreme bonding throughout the MSHA area of concern, therefore it was necessary to section mill 32" of 8 5/8" casing from 672' to 704'. Section milled 8 5/8" casing through the Lower Kittanning Coal seam from 686' to 692'. Left 672' of 8 5/8" casing in the hole from Surface to 672'. Left 316' of 8 5/8" casing from 704' to 1020' due to extreme bond on 8 5/8" casing. Left 5' of 16" conductor casing from surface to 5'. Cemented hole from 1151' back to Surface as follows: From 1151' to 492' with 190 sacks of Thixotropic Cement with green dye. From 492' back to the Surface with 110 sacks of Expandable Cement. Cement did circulate at the Surface.	16" Conductor Casing	0'	5'	
	8 5/8" Casing	32' Milled	672'	
	8 5/8" Casing	0'	316'	
	4 1/2" Casing	X 1151'	Unknown	
Coal Seams		Description of Monument		
LOWER KITTANNING	686' to 692'	77" of 7" casing w/company name, well number, permit number and date cemented stated on 7"		
(Name)		casing. Well marker will be attached to the		
(Name)		cement plug at ground level.		

... And that the work of plugging and filling said well was completed on the 15th day of June, 2017

And further deponents saith not.

Michael Campbell
Michael Campbell

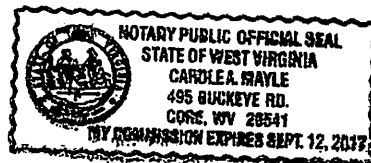
Kevin S. Wright
Kevin S. Wright

Sworn to and subscribed before me this 19th day of June 2017

Carole A. Mayle
Notary Public

My commission expires: 9-12-17

Permit No. 47-91-00517-P
Well No. 517



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