

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATED, 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: Frank Kunst Operator Well No.: B-556

LOCATION: Elevation: 1562' Quadrangle: Thornton (638)
District: Knottsville County: Taylor
Latitude: _____ Feet South of 39 Deg. 18 Min. 03 Sec.
Longitude: _____ Feet West of 79 Deg. 59 Min. 55 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 10/28/16

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Taylor ss:

Delbert E. Moore 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 November, 2016, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Expandable	5560'	1117'		
Thixotropic	1117'	502'		
Expandable	502'	Surface		
1 1/2"	Surface	5484'	5484'	0'
4 1/2"	3447'	Unknown	3447'	Unknown
8 5/8"	Surface	1214'	Milled 27'	1187'
16" Conductor	Surface	5'	0'	5'

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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 1st day of December, 2016.

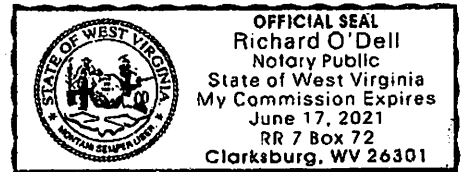
And further deponents saith not. Delbert E. Moore

Kevin S. Wright

Sworn and subscribe before me this 7th day of March, 2018

My commission expires: 06/17/2021

Richard O'Dell
Notary Public



Affidavit reviewed by the Office of Oil and Gas: Thomas J. Skypala Title: OIL & GAS INSPECTION

Logging Report for MSHA

COPY

Well Number: B-556 Mine: ICG Tygart Valley, LLC
 Permit Number: 47-91-00395-P
 Date Clean Out Started: 11/7/2016
 Date Well Bore Plugged: 12/1/2016
 Lower Kittanning Coal Seam: 702 ft. To 708 ft.

From	To	Type of Cement
5560'	3447'	Expandable Cement w/ Gas Blocker
3447'	1117'	Expandable Cement
1117'	502'	Thixotropic Cement with Green Dye
502'	Surface	Expandable Cement

Casing Remaining in Well Bore

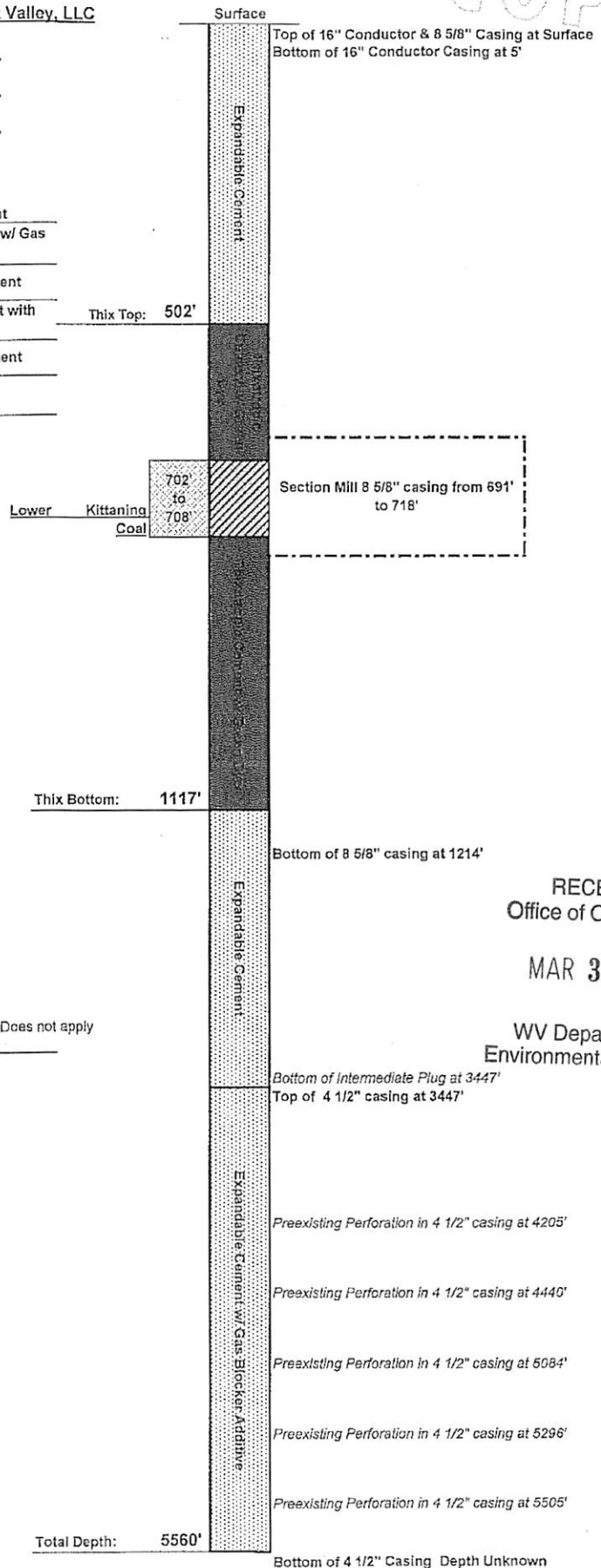
	Top	Bottom	Left	Pulled
1 1/2" tubing	Surface	5484'	0'	5484'
2 3/8" tubing				
4 1/2" casing	3447'	Unknown	Unknown	3447'
7" casing				
8 5/8" casing	Surface	1214'	1187'	Milled 27'
11 3/4" casing				
16" conductor casing	Surface	5'	5'	0'
Other				

Cement:

Expansive	670	sacks
Thixotropic	190	sacks
Econofill	0	sacks
Mud Flush	1000	Gal.
Other		
Est. Top Thix	502'	
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: _____



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FORM WR-38
(Affidavit of Plugging)

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

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

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

COALQUEST DEVELOPMENT, LLC
Coal Operator or Owner
100 TYGART DRIVE, GRAFTON, WV 26354
Address

THORNTON (638)
Well Location
KNOTTSVILLE
District

STEPHEN and ANNAMELIA GERKIN
Lease or Property Owner
2389 OAK GROVE RD, INDEPENDENCE, WV 26374
Address

TAYLOR
County
B-556
Well No.
KUNST, FRANK L.
Farm

STATE INSPECTOR SUPERVISING PLUGGING

Conrad L. ... 12-21-16

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of MONONGALIA ss:

DELBERT MOORE 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 7th day of November, 2016 and that the well was plugged in the following manner:

Formation	Filling Material	Casing Size & Kind	Casing Pulled	Casing Left In
Removed 5484' of 1 1/2" tubing from Surface to 5484'. Tripped in the hole with 3 3/4" bit and tagged solid plug at 5560'. Cemented bottom hole plug from 5560' to 3447' with 130 sacks of Expandable Cement with Gas Blocker additive. Removed 3447' of 4 1/2" casing from Surface to 3447'. Left an unknown amount of 4 1/2" casing in the hole from 3447' to an unknown depth due to extreme bond. Remaining 4 1/2" casing has preexisting perforations at the following depths: 5505', 5296', 5084', 4440' and 4205'. Cleaned 7 7/8" hole from Surface to 3447'. Tagged top of 4 1/2" casing and cement plug at 3447'. Cemented intermediate plug from 3447' to 1117' with 430 sacks of Expandable Cement. The bond log verifies extreme bonding throughout the MSHA area of concern, therefore it was necessary to section mill 27' of 8 5/8" casing from 691' to 718'. Section milled 8 5/8" casing through the Lower Kittanning Coal seam from 702' to 708'. Left 1187' of 8 5/8" casing in the hole from Surface to 1214'. Cleaned 7 7/8" hole from Surface to 1117'. Tagged intermediate plug with 7 7/8" bit at 1117'. Left 5' of 16" conductor casing in the hole from Surface to 5'. <u>Cemented hole from 1117' back to Surface as follows:</u> From 1117' to 502' with 190 sacks of Thixotropic Cement with green dye. From 502' 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	Milled 27'	1187'	
	4 1/2" Casing	3447'	Unknown	
	1 1/2" Tubing	5484'	0'	
<u>Coal Seams</u>	<u>LOWER KITTANNING</u> 702' to 708'	<u>Description of Monument</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 the cement plug at ground level.		
(Name)				
(Name)				
(Name)				

... And that the work of plugging and filling said well was completed on the 1st day of December, 2016

And further deponents saith not.

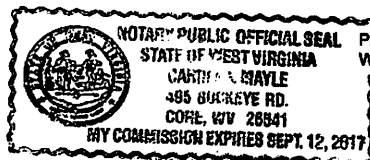
Delbert Moore
Delbert Moore

Kevin S. Wright
Kevin S. Wright

Sworn to and subscribed before me this 21st day of Dec 2016

Carole A. ...
Notary Public

My commission expires: 9-12-17



Permit No. 47-91-00395-P
Well No. B-556

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Environmental Protection