

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

ORIGINAL

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: Vera Boylen Operator Well No.: Boylen #1

LOCATION: Elevation: 1444.89' Quadrangle: Philippi
District: Pleasant County: Barbour
Latitude: _____ Feet South of 39 Deg. 12 Min. 47 Sec.
Longitude: _____ Feet West of 80 Deg. 05 Min. 11 Sec.

Well Type: OIL _____ GAS X

Company CoalQuest Development Coal Operator 100 Tygart Drive, Grafton, WV 26354
or Owner _____
Agent Charles E. Duckworth Coal Operator _____
or Owner _____
Permit Issued Date 02/25/2020

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 13th day of April, 2020, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Expandable Cement	4414'	Surface	4 1/2" Casing - Surface to 1550'	3572'
6% Bentonite Gel	1570'	1365'	Bottom Hole Assembly - None (1365' to 1458')	93' (Drill Pipe, Drill Collars, Subs and 7 7/8" Bit)
Expandable Cement	1365'	1214'	8 5/8" Casing - Milled 793' to 819"	793' - Surface to 793' - Milled 26'
Thixotropic w/ Green Dye	1214'	603'	8 5/8" Casing - Milled 793' to 819"	407' - 819' to 1226' - Milled 26'
Expandable Cement	603'	Surface	11 3/4" Casing - None	31'
			16" Conductor Pipe - None	10

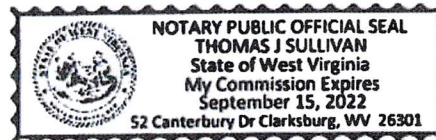
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Office of Oil and Gas

MAY 18 2020

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 24th day of April, 2020.

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



Sworn and subscribe before me this 8th day of May, 2020

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

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

Plugging Report for MSHA

Well Number: Vera Boylen #1 Mine: Sentinel Mine

Permit Number: 47-001-01179

Date Clean Out Started: 4/13/2020

Date Well Bore Plugged: 4/24/2020

Lower Kittanning Coal Seam: 803 ft. To 809 ft.

Plugs:

From	To	Type of Cement
4414'	1570'	Expandable Cement
1570'	1365'	6% Bentonite Gel
1365'	1214'	Expandable Cement
1214'	603'	Thixotropic Cement w/ Green Dye
603'	Surface	Expandable Cement

Casing Remaining in Well Bore

	Top	Bottom	Left	Pulled
Sucker Rods				
2 3/8" tubing				
4 1/2" Casing	1550'	5122'	3572'	1550'
7" Casing				
7" Fiberglass				
8 5/8" Casing	Surface	1226'	1200'	Milled 26'
11 3/4" Casing	Surface	31'	31'	0
16" Conductor	Surface	10'	10'	0

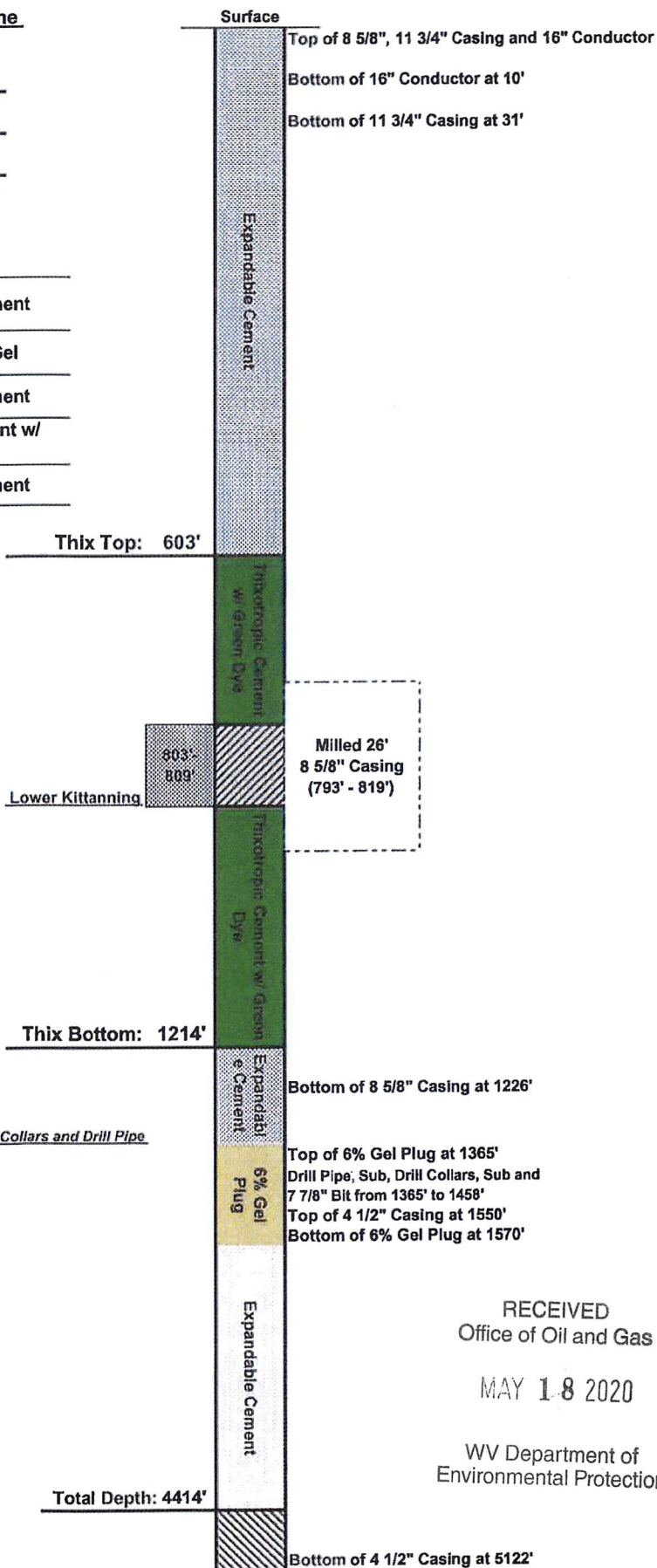
Cement:

Expandable	430	sacks
Thixotropic	180	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: Bit, Drill Collars and Drill Pipe

Surface Elevation (Surveyed)	1430'
Bottom of Coal Structure (Map)	621'
Difference	809'



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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
ROBERT R. & MINDI JACOBS
Lease or Property Owner
46 BEVERLY PIKE, GRAFTON, WV 26354
Address

WOLF RUN MINING LLC
Name of Well Operator
100 TYGART DRIVE GRAFTON, WV 26354
Complete Address
PHILIPPI (545)
Well Location
PLEASANT
District
BARBOUR
County
VERA BOYLEN #1
Well No.
VERA BOYLEN
Farm

STATE INSPECTOR SUPERVISING PLUGGING

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 Consolidation Coal Company well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 13th day of April, 2020 and that the well was plugged in the following manner:

Sand or Zone Record	Filling Material	Casing/Tubing Size	Casing Pulled	Casing Left In
Formation				
Cleaned a 3 1/4" hole through 4 1/2" casing from surface to 4414'. Tagged solid plug at 4414'. Cemented bottom hole with 170 sacks of Expandable Cement with a gas blocker additive from 4414' to 1570'. Removed 1550' of 4 1/2" casing from surface to 1550'. Left 3572' of 4 1/2" casing from 1550' to 5122'. Cleaned a 7 7/8" hole from surface to 1458'. Left bottom hole assembly (7 7/8" bit, 7 7/8" bit sub, 2 5.3/4" X 30' drill collars, change over sub and one 3 1/2" X 31' joint of drill pipe) in the hole from 1458' to 1365'. Attempted to remove bottom hole assembly from wellbore but all attempts were unsuccessful. Left 6% gel spacer in the hole from 1570' to 1365'. Set intermediate cement plug from 1365' to 1214' with 95 sacks of Expandable Cement. Section milled 8 5/8" from 793' to 819' through the Lower Kittanning Coal Seam (803' - 809'). Left 793' of 8 5/8" casing from surface to 793' and 407' from 819' to 1226' due to extreme cement bond on 8 5/8" casing. No additional perforations or rips were required per the Sentinel Mine 101C Petition. All casing depths were taken from previous well records.	4 1/2" Casing	1550'	3572'	
		8 5/8" Casing	Milled 26'	1200'
		11 3/4" Casing	0	31'
		16" Conductor	0	10'
Cemented hole from 1214' to surface as follows: From 1214' to 603' with 180 sacks of Thixotropic Cement with Green Dye. From 603' to surface with 165 sacks of Expandable Cement. Cement did circulate at surface. A total of 610 sacks of cement were used to cement the well to surface. Left 10' of 16" conductor pipe in the well at surface.				
Coal Seams		Description of Monument		
Kittanning Coal Seam	803' - 809'	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.		

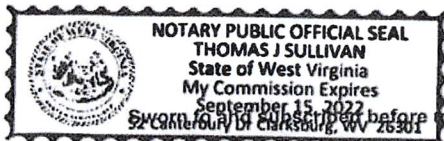
... and that the work of plugging and filling said well was completed on the 24th day of April, 2020

And further deponents saith not.

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Environmental Protection



My commission expires: 09/15/22

24th May 2020

Matthew A. Yearsley

Matthew A. Yearsley

Kevin S. Wright

Kevin S. Wright

Notary Public

Permit No. 47-001-01179
Well No. Vera Boylen #1
Latitude: 39° 12' 47" N
Longitude: 80° 05' 11" W