

JR

WR-35
Rev. 8/23/13

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

RECEIVED
Office of Oil and Gas

NOV 18 2014

WV Department of
Environmental Protection

API 47-033-00891W County Harrison District Grant
Quad Mount Clare 7.5 Pad Name Dominion Field/Pool Name Lost Creek
Farm name Worthy C. Hall Well Number 11938
Operator (as registered with the OOG) Dominion Transmission Inc.
Address P.O. Box 2450 City Clarksburg State WV Zip 26302

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 39.16458 Easting 80.33752
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1274' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other Rework
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine
Mud Type(s) and Additive(s)

Date permit issued 04/14/2014 Date drilling commenced 09/19/2014 Date drilling ceased 10/24/2014
Date completion activities began 10/24/2014 Date completion activities ceased 10/24/14
Verbal plugging (Y/N) N Date permission granted 10/24/2014 Granted by Sam Ward

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft N/A Rework Open mine(s) (Y/N) depths N
Salt water depth(s) ft N/A Rework Void(s) encountered (Y/N) depths N
Coal depth(s) ft N/A Rework Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N/A

Reviewed by:

12/05/2014

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CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details No casing set rework well

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	CLASS A	280	15.6	1.23		1900'	8 hours
Tubing							

Drillers TD (ft) 3500

Loggers TD (ft) 3480

Deepest formation penetrated BALLTOWN

Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) N/A

Check all wireline logs run

- caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No

Conventional Sidewall

Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

WAS WELL COMPLETED AS SHOT HOLE

Yes No

DETAILS _____

WAS WELL COMPLETED OPEN HOLE?

Yes No

DETAILS

Perf old 4-1/2" pipe

WERE TRACERS USED

Yes No

TYPE OF TRACER(S) USED _____

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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>BALLTOWN</u>	<u>3388</u>	TVD _____ MD _____
<u>SPEECHLEY</u>	<u>3024</u>	_____
<u>BAYARD</u>	<u>2400</u>	_____
<u>5TH SAND</u>	<u>2324</u>	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 250 psi Bottom Hole 1922 psi DURATION OF TEST 72 hrs

OPEN FLOW Gas 189 mcfpd Oil 0 bpd NGL 0 bpd Water 0 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	<u>0</u>		<u>0</u>		
					NO FORMATIONS TESTED
					REWORK WELL ONLY!

Please insert additional pages as applicable.

Drilling Contractor N/A
Address _____ City _____ State _____ Zip _____

Logging Company NABORS
Address 82 OLD ELKINS ROAD City BUCKHANNON State WV Zip 26201

Cementing Company BAKER HUGHES
Address 837 PHILIPPI PIKE City CLARKSBURG State WV Zip 26301

Stimulating Company NABORS
Address 528 INDUSTRIAL PARK ROAD City JANE LEW State WV Zip 26378

Please insert additional pages as applicable.

Completed by JAMES D. BLASINGAME Telephone 304-627-3362
Signature James D. Blasingame Title DTL Designated Agent Date 11/17/14
Director, Gas Storage

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry