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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 47-033-00784 W County Harrison District Grant
Quad Berlin 7.5 Pad Name Dominion Field/Pool Name Lost Creek
Farm name Velma Shock Well Number 11754
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 39.124566 Easting 80.362460
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1223' 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 11/28/2014 ^{RW 11/17/14} Date drilling commenced 09/02/2014 Date drilling ceased 09/10/2014
Date completion activities began 08/26/2014 Date completion activities ceased 09/10/2014
Verbal plugging (Y/N) N Date permission granted 09/10/2014 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

API 47-033 - 00784

Farm name Velma Shock

Well number 11754

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	200	15.6	1.23		1900'	8 hours
Tubing							

Drillers TD (ft) 2354

Loggers TD (ft) 2360

Deepest formation penetrated Bayard 2360

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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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	09/10/2014	2354	2360	20	BAYARD

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	09/10/14	16	1555	1384	1580	20,000	337	N/A

Please insert additional pages as applicable.

12/05/2014

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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>BAYARD</u>	<u>2360</u>	<u>TVD</u>	<u>MD</u>
_____	_____	_____	_____
_____	_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 550 psi Bottom Hole 1863 psi DURATION OF TEST 72 hrs

OPEN FLOW Gas 119 mcfpd Oil SHOW 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 DTI Designated Agent Date 11/17/14
Director, Gas Storage

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