

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



API 47 - 033 - 05569 County Harrison District Grant
Quad West Milford Pad Name _____ Field/Pool Name Lost Creek
Farm name John Vanscoy Heirs Well Number 13126
Operator (as registered with the OOG) Dominion Transmission, Inc.
Address 445 W. Main St City Clarksburg State WV Zip 26301

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4337182.0000 Easting 549133.7000
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 983' 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 _____
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 5-15-12 Date drilling commenced 11-26-12 Date drilling ceased 12-9-12
Date completion activities began 12-19-12 Date completion activities ceased 12-26-12
Verbal plugging (Y/N) _____ Date permission granted _____ Granted by _____

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

Freshwater depth(s) ft 50', 107', 478' Open mine(s) (Y/N) depths _____
Salt water depth(s) ft 1016' Void(s) encountered (Y/N) depths _____
Coal depth(s) ft None Cavern(s) encountered (Y/N) depths _____
Is coal being mined in area (Y/N) N

RECEIVED
Office of Oil & Gas
None
DEC 18 2013
None
None
WV Department of
Environmental Protection
Reviewed by: _____

02/28/2014

API 47- 033 - 05569 Farm name John Vanscoy Heirs Well number 13126

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	17-1/2"	13-3/8"	32'	N	48#, A-500		Sanded in
Surface	12-1/4"	9-5/8"	784'	N	36#, J-55		Yes
Coal							
Intermediate 1	8-3/4"	7"	1717'	N	20#, J-55		Yes
Intermediate 2							
Intermediate 3							
Production	6-1/4"	4-1/2"	4283'	N	10.5#, M-65		N
Tubing							
Packer type and depth set							

Comment Details Surface job circulated 20 bbls of cement to surface. Intermediate job circulated 10 bbls to surface. Production job not designed to bring cement to surface (cement top @ approximately 850').

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	Class A	290	15.6	1.20	348	CTS	8
Coal							
Intermediate 1	Class A	285	15.4	1.23	350	CTS	24
Intermediate 2		85	15.9	1.15	97		
Intermediate 3		205	15.4	1.23	252		
Production	Poz	280	13.5	1.53	428	850	240
Tubing							

Drillers TD (ft) 4300' Loggers TD (ft) 4290'
 Deepest formation penetrated Siltstone immediately below Benson Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) _____

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 See attached sheet

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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	12-17-12	4064'	4084'	20	Benson
2	12-19-12	3466'	3492'	20	Bradford
3	12-19-12	2898'	3006'	20	Balltown
4	12-19-12	2519'	2776'	20	Speechley
5	12-19-12	2108'	2150'	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	12-19-12	24.1	2666	3007	1400	34129	165	503036 scf
2	12-19-12	23.0	2875	3142	2200	20435	127	437598 scf
3	12-19-12	26.1	2406	2596	2200	29886	155	505037 scf
4	12-19-12	27.0	2311	2459	1950	29740	158	502084 scf
5	12-19-12	23.9	2457	2626	1900	19686	139	327153scf

Please insert additional pages as applicable.

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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Comingled:</u>	<u>2108' - 4084'</u> TVD	<u>2108' - 4084'</u> MD
<u>(Benson, Bradford, Balltown, Speechley, Bayard). See included frac/perf information and formation log.</u>	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump
 SHUT-IN PRESSURE Surface 450 psi Bottom Hole Not measured psi DURATION OF TEST 12 hrs
 OPEN FLOW Gas 919 mcfpd Oil _____ bpd NGL _____ bpd Water _____ 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>		
<u>See Attached Sheet</u>					

Please insert additional pages as applicable.

Drilling Contractor Nexus Drilling, Inc.
 Address P.O. Box 903 City Jane Lew State WV Zip 26378
 Logging Company Weatherford International, Ltd.
 Address 121 Hillpointe Drive, Suite 300 City Canonsburg State PA Zip 15317
 Cementing Company Nabors Completion and Production Services Company
 Address 1650 Hackers Creek Road City Jane Lew State WV Zip 26378
 Stimulating Company Halliburton
 Address 1628 Jackson's Mill Road City Jane Lew State WV Zip 26378

Please insert additional pages as applicable.

Completed by Jason Baeh Telephone 304.669.4850
 Signature _____ Title Technical Specialist III Date 12-17-13

Centralizer Placement

47-033-05569

13126

Casing String

Centralizer Placement (Jt#)

9-5/8"

4, 8, 12, 27

7"

1,2,3,4,5,6,8,12,15,18,20,21,22,23,24,

4-1/2"

3,4,5,6,17,18,28,29,30,31,34,35,43,44,57,58,59,60,61,62

Formation Description
Dominion Transmission
Well # 13126

Formation	Top	Bottom	Show
Fill	0	15	
Shale	15	25	Damp @ 50'
Shale & Red Rock	25	510	1/2" Stream @ 107 & 478
Sand & Shale	510	548	
Sand	580	760	
Shale	760	830	
Salt Sands	830	1000	
Shale	1000	1130	
Little Lime	1130	1150	
Shale	1150	1180	
Big Lime	1180	1250	
Big Injun	1250	1335	
Shale	1335	1546	Gas Check @ 1505 : Ordor
Gantz	1546	1563	
Shale	1563	1656	
Fifty Foot	1656	1712	
Shale	1712	1744	
Thirty Foot	1744	1756	Gas Check @ 1758 : 60 Mcf
Shale	1756	1800	
Gordons	1800	1960	
Shale	1960	1993	
4th Sand	1993	2010	Gas Check @ 2107 : 133 Mcf
Shale	2010	2058	
5th Sand	2058	2084	
Shale	2084	2108	
Bayard	2108	2150	
Shale	2150	2450	
Speechley	2450	2540	
Shale & Siltstone	2540	2610	
Balltowns	2610	3008	
Shale & Siltstone	3008	3466	Gas Check @ 3089 : 103 Mcf
Bradford	3466	3494	
Shale	3494	3920	
Riley	3920	3926	
Shale	3926	4064	
Benson	4064	4084	
Shale	4084	TD	
TD	4290		Gas Check @ DC : 60 Mcf