

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

DATE: 8-26-2012  
API #: 47-041-05655

Farm name: Helen Garrett Operator Well No.: 13127

LOCATION: Elevation: 1372.14 Quadrangle: Camden

District: Freemans Creek County: Lewis  
Latitude: 10925 Feet South of 39 Deg. 07 Min. 30 Sec.  
Longitude 2850 Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Dominion Transmission, Inc

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>445 West Main St</u> <u>Clarksburg, WV 26301</u>				
Agent: <u>James D. Blasingmae</u>	<u>13 3/8</u>	<u>34</u>	<u>34</u>	<u>Sanded In</u>
Inspector: <u>Bryan Harris</u>	<u>9 5/8</u>	<u>699</u>	<u>699</u>	<u>CTS (285 sks)</u>
Date Permit Issued: <u>10-18-2011</u>	<u>7</u>	<u>2267</u>	<u>2267</u>	<u>CTS (400 sks)</u>
Date Well Work Commenced: <u>12-19-2011</u>	<u>4 1/2</u>	<u>4650</u>	<u>4650</u>	<u>Cement Top 1320</u>
Date Well Work Completed: <u>1-19-2012</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>4747</u>				
Total Measured Depth (ft): <u>4747</u>				
Fresh Water Depth (ft.): <u>52</u>				
Salt Water Depth (ft.): <u>1311</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>183-186 : 617-622 : 1105-1110</u>				
Void(s) encountered (N/Y) <u>Depth(s) N</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Balltowns - Benson Pay zone depth (ft) 3534-4530

Gas: Initial open flow 84 MCF/d Oil: Initial open flow Odor Bbl/d

Final open flow 949 MCF/d Final open flow Show Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure 920 psi (surface pressure) after 24 Hours

Second producing formation Bard - Speechley Pay zone depth (ft) 2612-3269

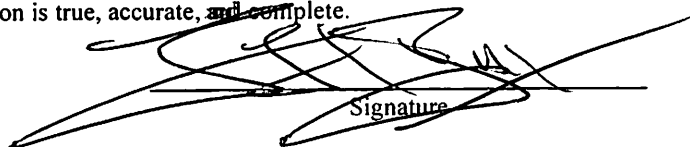
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow Commingled MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psi (surface pressure) after \_\_\_\_\_ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

  
Signature

1-5-13  
Date

RECEIVED  
Office of Oil & Gas  
JAN 9 2013  
West Virginia Department of  
Environmental Protection

02/08/2013

Were core samples taken? Yes \_\_\_\_\_ No

Were cuttings caught during drilling? Yes  No \_\_\_\_\_

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Photo Density, Compensated Neutron  
Gamma Ray, Temperature, Array Induction

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

1st Stage: Benson 4520-4530 ( 21 Shots) : X-Link N2 Assist ; 302 Sks 20/40 Sand ; 500 Gal Acid

2nd Stage : Balltowns 3390-3534 (49 Shots) : X-Link N2 Assist ; 300 Sks 20/40 Sand ; 500 Gal Acid

3rd Stage : Speechley 3246-3269 ( 24 Shots) : X-Link N2 Assist ; 200 Sks 20/40 Sand ; 500 Gal Acid

4th Stage : Bayard 2612-2622 (21 Shots) : X-Link N2 Assist ; 291 Sks 20/40 Sand ; 500 Gal Acid

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: \_\_\_\_\_ Top Depth / \_\_\_\_\_ Bottom Depth  
Surface:

SEE ATTACHMENT

## Formation Description

Formation	Top	Bottom	Show
Fill	0	3	
Sand & Shale	3	183	
Coal	183	186	Damp @ 52'
Sand & Shale	186	300	
Shales & Red Rock	300	516	
Sand & Shale	516	617	
Coal	617	622	
Sand & Shale	622	830	
Sand	830	855	
Shale	855	920	
Sand	920	1115	
Shale	1115	1403	
Salt Sands	1403	1535	Salt Water @ 1311
Shale	1535	1640	
Little Lime	1640	1662	
Shale	1662	1690	
Big Lime	1690	1760	
Big Injun	1760	1850	
Shale	1850	2040	
Gantz	2040	2060	
Shale	2060	2240	
Sand	2240	2260	
Shale	2260	2310	
Fifty Foot	2310	2390	
Shale	2390	2540	
5th Sand	2540	2560	
Shale	2560	2615	
Bayard	2615	2620	
Shale & Siltstone	2620	3112	
Speechley	3112	3153	
Shale & Siltstone	3153	3390	
Balltowns	3390	3535	
Shale & Siltstone	3535	4380	
Riley	4380	4410	
Shale	4410	4508	
Benson	4508	4530	Gas Check @ 4621
Shale	4530	TD	84 Mcf
TD	4747		