

WR-35  
Rev (9-11)

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

DATE: MAY 16<sup>TH</sup> 2013  
API #: 47-085-09909

Farm name: Tech Service Operator Well No.: 3

LOCATION: Elevation: 1010' Quadrangle: Ellenboro 7.5'

District: Clay County: Ritchie  
Latitude: 1650 Feet South of 39 Deg. 17 Min. 30 Sec.  
Longitude 4140 Feet West of 80 Deg. 00 Min. 00 Sec.

Company: Hall Drilling, LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>P.O. Box 289, Ellenboro, WV 26346</u>				
Agent: <u>Mike Hall</u>				
Inspector: <u>David Cowan</u>	<u>9 5/8"</u>	<u>148'</u>	<u>148'</u>	<u>CTS</u>
Date Permit Issued: <u>08/09/2011</u>				
Date Well Work Commenced: <u>05/14/2012</u>	<u>7"</u>	<u>3100'</u>	<u>3100'</u>	<u>CTS</u>
Date Well Work Completed: <u>06/07/2012</u>				
Verbal Plugging:	<u>4.5"</u>	<u>6611'</u>	<u>6611'</u>	<u>335 SKS</u>
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>	<u>2 3/8"</u>	<u>5990'</u>	<u>5990'</u>	<u>On Packer</u>
Total Vertical Depth (ft): <u>7067'</u>				
Total Measured Depth (ft): <u>7067'</u>				
Fresh Water Depth (ft.): <u>50'</u>				
Salt Water Depth (ft.): <u>1010'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>N/A</u>				
Void(s) encountered (N/Y) Depth(s) <u>N</u>				

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

Producing formation Oriskany Pay zone depth (ft) 6454'  
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 0 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests N/A Hours  
Static rock Pressure 0 psig (surface pressure) after 0 Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

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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

05/16/2013  
Date

05/24/2013

85.09909

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 \_\_\_\_\_

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:

Perforated from 6485' to 6491'

Sand - 42,680 lbs to total

Fluid - 2,370 bbl total

Slurry Rat - 31 bpm avg.

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

75 SKS - 7056' to 6640'

Formations Encountered: Surface:	Top Depth	Bottom Depth
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Lime/Sand/Shale	0'	6158'
Marcellus	6158'	6218'
Lime/Sand/Shale	6218'	6454'
Oriskany	6454'	6516'
Lime/Sand/Shale	6516'	7056' TD

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