

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: 4/3/2013  
API #: 47-033-05453-00

Farm name: Post, Mary et al Operator Well No.: Robert Haught South Unit 1H

LOCATION: Elevation: 1060' Quadrangle: Salem

District: Tenn County: Harrison  
Latitude: 10.980' Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude 12.294' Feet West of 80 Deg. 30 Min. 00 Sec.

Company: Hall Drilling Co., LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>P.O. Box 249</u> <u>Ellenboro, WV 26346</u>	<u>24" 120#</u>	<u>23'</u>	<u>23'</u>	<u>13 Cu. Ft. Grout</u>
Agent: <u>Mike Hall</u>	<u>20" 94#</u>	<u>120'</u>	<u>120'</u>	<u>55 Cu. Ft. Grout</u>
Inspector: <u>Tristan Jenkins</u>	<u>13-3/8" 54.5#</u>	<u>420'</u>	<u>420'</u>	<u>590 Cu. Ft. Class A</u>
Date Permit Issued: <u>8/16/2010</u>	<u>9-5/8" 36#</u>	<u>3079'</u>	<u>3079'</u>	<u>1176 Cu. Ft. Class A</u>
Date Well Work Commenced: <u>8/12/2010</u>	<u>5-1/2" 20#</u>	<u>14,436'</u>	<u>14,436'</u>	<u>3571 Cu. Ft. Class H</u>
Date Well Work Completed: <u>2/15/2011</u>				
Verbal Plugging: <u>N/A</u>	<u>2-3/8" 4.7#</u>	<u>7312'</u>		
Date Permission granted on: <u>N/A</u>	Cement Plug	Top	Bottom	
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>		<u>420'</u>	<u>690'</u>	<u>221 Cu Ft. Class A</u>
Total Vertical Depth (ft): <u>7212' TVD (deepest point drilled)</u>				
Total Measured Depth (ft): <u>14,453' MD, 7167' TVD (BHL)</u>				
Fresh Water Depth (ft.): <u>est. 70'</u>				
Salt Water Depth (ft.): <u>620'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>215', 505', 785'</u>				
Void(s) encountered (N/Y) Depth(s) <u>N, N/A</u>				

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

Producing formation Marcellus Pay zone depth (ft) 7190' TVD (Top)

Gas: Initial open flow --- MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 10,242 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3800 psig (surface pressure) after --- 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

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.

MT Hall U.P.  
Signature

4-3-13  
Date

APR 10 2013  
06/21/2013

Were core samples taken? Yes \_\_\_\_\_ No X                      Were cuttings caught during drilling? Yes X No \_\_\_\_\_

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes- CBL

**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:

Perforations: 7585' - 14,373' MD (1224 holes)

Frac'd w/ 5178 gals 15% HCL Acid, 129,552 bbls Slick Water carrying 657,080# 100 mesh, 23,151,700# 40/70 and 1,884,560# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Big Lime	2068'	2135'
Big Injun	2136'	2514'
Gantz Sand	2515'	2647'
Fifty Foot Sand	2648'	2737'
Gordon	2738'	3086'
Fifth Sandstone	3087'	3114'
Bayard	3115'	3854'
Speechley	3855'	4159'
Balltown	4160'	4498'
Bradford	4499'	5048'
Benson	5049'	5339'
Alexander	5340'	5544'
Elk	5545'	6137'
Rhinestreet	6138'	6504'
Sycamore Gas	6505'	6868'
Middlesex	6869'	7017'
Burket	7018'	7045'
Tully	7046'	7189'
Marcellus	7190'	7212' TVD

Received  
Office of Oil & Gas

APR 13 2013  
06/21/2013