

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: 12/6/2011
API #: 47-085-09916

Farm name: Loren & Michele Bartlett Operator Well No.: W-1623

LOCATION: Elevation: 860' Quadrangle: Harrisville

District: Murphy County: Ritchie
Latitude: 10770 Feet South of 39 Deg. 10 Min. 00 Sec.
Longitude 2730 Feet West of 81 Deg. 02 Min. 30 Sec.

Company: Haught Energy Corporation

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
HC 68 Box 14 Smithville, WV 26178	13-3/8"	21'	21'	
Agent: Warren R. Haught	9-5/8"	340'	340'	To Surface
Inspector: David Cowan	7"	1820'	1820'	To Surface
Date Permit Issued: December 14, 2010	4-1/2"	5613'	5613'	3683' (135 Sk)
Date Well Work Commenced: <u>2/22/2011</u>				
Date Well Work Completed: <u>08/21/2011</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): <u>5,630'</u>				
Total Measured Depth (ft): <u>5,633'</u>				
Fresh Water Depth (ft.): <u>110'</u>				
Salt Water Depth (ft.): <u>520'</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>None</u>				
Void(s) encountered (N/Y) Depth(s) <u>None</u>				

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

Producing formation Benson Pay zone depth (ft) 4300'

Gas: Initial open flow show MCF/d Oil: Initial open flow - Bbl/d

Final open flow 100 MCF/d Final open flow - Bbl/d

Time of open flow between initial and final tests 12 Hours

Static rock Pressure 750 psig (surface pressure) after 24 Hours

Second producing formation Hamilton Shale Pay zone depth (ft) 5450' - 5600'

Gas: Initial open flow show MCF/d Oil: Initial open flow - Bbl/d

Final open flow 75 MCF/d Final open flow - Bbl/d

Time of open flow between initial and final tests 12 Hours

Static rock Pressure 750 psig (surface pressure) after 24 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.

Warren R. Haught
Signature

12/3/11
Date

02/15/2013

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes _____ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Gamma Ray, Neutron, Density, Induction, Temp., Audio

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 by Timco Wireline Services 5/12/2011 - 5/13/2011

Perforations at: 3800'-4025' ; 4304' - 4630' ; 5450' - 5592'

Fractured by Universal Well Services 05/13/2011

3 Stage Nitrogen Frac totaling 1,950,000 cubic feet

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

Formations Encountered:	Top Depth	/	Bottom Depth
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Surface:

See attached worksheet

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McNeil W-1623
API # 47-085-09916

Formation	Top	Bottom	Remarks
Red Rock & Shale	0	410	
Sand	410	436	
Red Rock	436	510	
Sand	510	534	
Red Rock	534	602	
Slate	602	778	
Dunkard Sand	778	796	
Slate & Shells	796	1010	
Gas Sand	1010	1102	
Slate	1102	1170	
1st Salt Sand	1170	1240	
Shale	1240	1272	
2nd Salt Sand	1272	1298	
Shale	1298	1354	
3rd Salt Sand	1354	1468	
Slate	1468	1572	
Maxon Sand	1572	1612	
Shale	1612	1698	
Little lime	1698	1716	
Pencil Cave	1716	1729	
Big Lime	1729	1867	Gas Smell
Big Injun Sand	1867	1914	at 1880'
Slate Break	1914	1930	
Squaw Sand	1930	1940	
Slate & Shells	2180	2510	
Coffee Shale	2247	2280	
Slate & Shells	2280	2385	
Sand	2385	2406	
Slate & Shells	2406	2664	
Gordon	2664	2671	
Slate & Shells	2671	4578	
Benson Sand	4311	4340	
Slate & Shells	4340	4886	
Alexander Sand	4886	4902	
Slate & Shells	4902	5289	
Sand	5289	5300	
Slate & Shells	5300	5450	
Hamilton Shale	5450	5485	
Slate & Shells	5485	5560	
Devonian Shale	5560	5604	
TD	5630		

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