

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: 3/12/2012
API #: 47-033-05437

Farm name: Mazer, Douglas A. Operator Well No.: O. Rice South Unit 1H

LOCATION: Elevation: 1038' Quadrangle: Salem 7.5'

District: Tennile County: Harrison
Latitude: 8867 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude: 8854 Feet West of 80 Deg. 30 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 249</u> <u>Ellenboro, WV 26346</u>	<u>20" 94#</u>	<u>40'</u>	<u>40'</u>	<u>38 Cu. Ft. Grout</u>
Agent: <u>Michael T. Hall</u>	<u>13-3/8" 64.5#</u>	<u>425'</u>	<u>425'</u>	<u>680 Cu. Ft. Class A</u>
Inspector: <u>Tristan Jenkins</u>	<u>9-5/8" 38#</u>	<u>2714'</u>	<u>2714'</u>	<u>1105 Cu. Ft. Class A</u>
Date Permit Issued: <u>6/15/2010</u>	<u>5-1/2" 20#</u>	<u>14750'</u>	<u>14750'</u>	<u>3592 Cu. Ft. Class H</u>
Date Well Work Commenced: <u>11/15/2010</u>				
Date Well Work Completed: <u>7/14/2011</u>	<u>2-3/8" 4.7#</u>	<u>7455'</u>		
Verbal Plugging: <u>N/A</u>				
Date Permission granted on: <u>N/A</u>				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7237' TVD (deepest point drilled)</u>				
Total Measured Depth (ft): <u>14,750' MD, 7182' TVD (BHL)</u>				
Fresh Water Depth (ft.): <u>215'</u>				
Salt Water Depth (ft.): <u>*N/A</u>				
Is coal being mined in area (N/Y)? <u>No</u>	<u>*Due to air drilling, Hall was unable to identify accurate salt water and/or coal depths for reporting.</u>			
Coal Depths (ft.): <u>*N/A</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) 7215' TVD (Top)

Gas: Initial open flow --- MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 14326 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure 3521 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
Signature

3-12-12
Date

Received
Office of Oil & Gas

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 - Cement Bond/Gamma Ray/CCI Log, Photo Density/Compensated Neutron/Gamma Ray and Dual Laterlog/Gamma Ray

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: 7,581' – 14,683' MD (1,212 holes)

Frac'd w/5,250 gals 15% HCl Acid, 119,472bbls Slick Water carrying 601,400# 100 mesh, 2,451,200# 40/70 and 1,458,000# 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	1986'	2082'
Big Injun	2083'	2539'
Gantz	2540'	2653'
Fifty Foot	2654'	2755'
Gordon	2758'	3098'
Fifth Sand	3099'	3144'
Bayard	3145'	3638'
Speechley	3639'	3852'
Balltown	3853'	4291'
Bradford	4292'	4925'
Benson	4926'	5241'
Alexander	5242'	5524'
Elk	5525'	6612'
Sycamore	6613'	7068'
Tully	7069'	7161'
Hamilton	7162'	7214'
Marcellus	7215'	7237'

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