

JK

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: 09/25/2014
API #: 47-095-02118

Farm name: Leo M. & Nancy M. Schumacher Operator Well No.: W-1640

LOCATION: Elevation: 912' Quadrangle: Center Point

District: McElroy County: Tyler
Latitude: 5960 Feet South of 39 Deg. 30 Min. 00 Sec.
Longitude 6750 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: Montani Energy LLC.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
12864 Staunton Turnpike Smithville, WV 26178				
Agent: <u>Brian G. Haught</u>	9-5/8"	41'	41'	Grouted In
Inspector: <u>Joe Taylor / Mike Goff</u>	7"	885.5'	885.5'	To Surface
Date Permit Issued: <u>July 10, 2013</u>	4-1/2"	3096'	3096'	1500' Fill Up(95 SKS)
Date Well Work Commenced: <u>11/12/2013</u>				
Date Well Work Completed: <u>05/11/2014</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>3200'</u>				
Total Measured Depth (ft): <u>3200'</u>				
Fresh Water Depth (ft.): <u>N/A</u>				
Salt Water Depth (ft.): <u>N/A</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 Gordon Pay zone depth (ft) 2661' - 2716'
Gas: Initial open flow show MCF/d Oil: Initial open flow - Bbl/d
Final open flow 50 MCF/d Final open flow - Bbl/d
Time of open flow between initial and final tests 72 Hours
Static rock Pressure 200 psig (surface pressure) after 12 Hours

Second producing formation Fifth Sand Pay zone depth (ft) 2866'-2896'
Gas: Initial open flow show MCF/d Oil: Initial open flow - Bbl/d
Final open flow 50 MCF/d Final open flow - Bbl/d
Time of open flow between initial and final tests 72 Hours
Static rock Pressure 200 psig (surface pressure) after 12 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

10/3/14
Date

10/31/2014

95-02118

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 Nabors Well Services - 21 Perfs from 2661' - 2716' & 16 Perfs from 2886' -2896'

Fractured by Universal Well Services - 146 Bbl's water with 600,000 SCF Nitrogen creating 80 quality foam

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

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		

See attached worksheet

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Schumacher W-1640

API # 47-095-02118

Formation	Top	Bottom	Remarks
Red Rock & Shale	0	252	
Sand	252	273	
Red Rock	273	605	
Sand	605	631	
Red Rock	631	739	
Slate	739	897	
Dunkard Sand	897	918	
Slate & Shells	918	1163	
Gas Sand	1163	1175	
Slate	1175	1239	
Sand	1239	1259	
Shale	1259	1367	
Sand	1367	1389	
Shale	1389	1467	
Sand	1467	1551	
Slate	1551	1647	
Sand	1647	1669	
Shale	1669	1772	
Maxton	1772	1787	
Slate & Shells	1787	1817	
Big Lime	1817	1943	
Big Injun Sand	1943	2095	
Slate Break	2095	2109	
Slate & Shells	2109	2454	
Gantz	2454	2464	
Slate & Shells	2464	2667	
Gordon Stray	2670	2687	
Slate & Shells	2687	2704	
Gordon	2704	2720	
Slate & Shells	2720	2886	
Fifth Sand	2886	2896	
Slate & Shells	2896	3200	
TD	3200		

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