

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Nicholson, Michael Operator Well No.: Arps #7

LOCATION: Elevation: 1250' Quadrangle: New Milton 7.5'

District: New Milton County: Doddridge
Latitude: 1030 Feet South of 39 Deg. 15 Min. 00 Sec.
Longitude 11180 Feet West of 80 Deg. 40 Min. 00 Sec.

Company: Murvin & Meier Oil Co.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P. O. Box 396 Olney, Illinois 62450				
Agent: P. Nathan Bowles, Jr.				
Inspector: Mr. David Scranage	9 5/8"	42.4'	42.4'	
Date Permit Issued: 04/20/2009				
Date Well Work Commenced: 06/09/2009	7"	1269.6'	1269.6'	259
Date Well Work Completed: 06/20/2009				
Verbal Plugging:	4 1/2"	2802.8'	2802.8'	150.9
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet): 2796'				
Fresh Water Depth (ft.): None				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): <u>None</u>				

OPEN FLOW DATA

Producing formation Weir, Berea, Gordon Pay zone depth (ft) 2329' to 2740'
Gas: Initial open flow show MCF/d Oil: Initial open flow - Bbl/d
Final open flow 30 MCF/d Final open flow show Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 230 psig (surface pressure) after 48 Hours

Second producing formation Blue Monday, Keener, Injun Pay zone depth (ft) 1987' to 2128'
Gas: Initial open flow show MCF/d Oil: Initial open flow - Bbl/d
Final open flow 30 MCF/d Final open flow show Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 230 psig (surface pressure) after 48 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Received

JUN 11 2013

Signed: MURVIN & MEIER OIL CO.

By: Gary L. Hall Vice-Pres.

Date: July 16, 2009

Office of Oil and Gas
West Virginia Department of Environmental Protection

08/09/2013

6/19/2009

17-05838

Ran SBL and perforated the Gordon Formation from 2734' to 2740' with 12 holes. Fractured perms with an X-Link Gel using 500 gals 15% HCL, 300 bbls total fluid, 59 MSCF nitrogen, and 20,000 lbs 20/40.

Perforated the Berea Formation from 2516' to 2522' with 12 holes. Fractured perms with an X-Link Gel using 500 gals 15% HCL, 258 bbls fluid, 40 MSCF nitrogen, and 15,000 lbs 20/40.

Perforated the Weir Formation from 2329' to 2375' with 15 holes. Fractured perms with an X-Link Gel using 500 gals 15% HCL, 362 bbls fluid, 62 MSCF nitrogen, and 21,000 lbs 20/40.

Perforated the Keener and Big Injun Formations from 2069' to 2128' with 24 holes. Fractured perms with an X-Link Gel using 1,000 gals 15% HCL, 790 bbls fluid, 133 MSCF nitrogen, and 60,000 lbs 20/40.

Perforated the Blue Monday Formation from 1987' to 2008' with 14 holes. Fractured perms with an X-Link Gel using 500 gals 15% HCL, 313 bbls fluid, 55 MSCF nitrogen, and 8,500 lbs 20/40.

WELL LOG

Formation	Top	Bottom
Red Rock/Sand	0	40
Sand/Shale	40	136
Shale	136	141
Sand/Shale	141	1944
Little Lime	1944	1985
Blue Monday	1985	2012
Lime	2012	2069
Keener	2069	2096
Lime	2096	2113
Big Injun	2113	2138
Shale	2138	2325
Weir	2325	2380
Shale	2380	2516
Berea	2516	2519
Shale	2519	2734
Gordon	2734	2740
Shale	2740	2796

Total Depth 2796

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