

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

Well Operator's Report of Well Work

Farm name: Dotson, Fred Operator Well No.: H.H. Joseph Hrs. #3

LOCATION: Elevation: 1133' Quadrangle: West Union 7.5'

District: Centerville County: Tyler
Latitude: 9,820 Feet South of 39 Deg. 22 Min 30 Sec.
Longitude 7,550 Feet West of 80 Deg. 50 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. Joe Taylor	11 3/4"	170'	170'	177.0
Date Permit Issued: 01/29/2010				
Date Well Work Commenced: 08/29/2011	8 5/8"	1315.3'	1315.3'	480.0
Date Well Work Completed: 10/07/2011				
Verbal Plugging:	4 1/2"	2666.1'	2666.1'	300.3
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet): 2,765'				
Fresh Water Depth (ft.): 50', 485'				
Salt Water Depth (ft.): 1543'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 85-88				

OPEN FLOW DATA

Producing formation Berea and Weir Pay zone depth (ft) 2320' to 2510'
Gas: Initial open flow show MCF/d Oil: Initial open flow - Bbl/d
Final open flow 50 MCF/d Final open flow show Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 100 psig (surface pressure) after 72 Hours

Second producing formation Keener and Injun Pay zone depth (ft) 2024' to 2152'
Gas: Initial open flow show MCF/d Oil: Initial open flow - Bbl/d
Final open flow 50 MCF/d Final open flow show Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 100 psig (surface pressure) after 72 Hours

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NOTE: ON BACK OF THIS FORM 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 ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: MURVIN & MEIER OIL CO.
By: Cary L. Hill Vice-Pres.
Date: October 25, 2011

01/10/2014

9/27/2011

Ran SBL and perforated Berea and Weir Formations from 2320' to 2510' with 34 holes. Fractured perms using a 60Q x-link foam system containing 1000 gals 15% HCL, 366 bbls fluid, 443 MSCF nitrogen, and 40,000 lbs 20/40 sand.

Perforated Injun Formation from 2114' to 2152' with 18 holes. Fractured perms with a 60Q x-link foam system containing 500 gals 28% HCL, 165 bbls fluid, 175 MSCF nitrogen, and 20,000 lbs 20/40 sand.

Perforated Keener and Upper Injun Formations from 2024' to 2074' with 20 holes. Fractured perms using a 60Q x-link foam consisting of 500 gals 28% HCL, 230 bbls fluid, 232 MSCF nitrogen, and 30,000 lbs 20/40 sand.

WELL LOG

Formation	Top	Bottom
Dirt	0	2
Red Rock	2	70
Sand	70	85
Coal	85	88
Sand	88	120
Sand/Shale/Red Rock	120	185
Sand	185	220
Sand/Shale/Red Rock	220	248
Sand	248	303
Sand/Shale/Red Rock	303	384
Sand	384	445
Sand/Shale/Red Rock	445	750
Lime	750	775
Sand/Shale/Red Rock	775	832
Sand	832	864
Sand/Shale/Red Rock	864	1056
Sand	1056	1122
Sand/Shale/Red Rock	1122	1541
3rd Salt Sand	1541	1571
Sand/Shale	1571	1835
Maxon	1835	1850
Sand/Shale	1850	1930
Little Lime	1930	1960

01/10/2014

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Shale	1960	1970
Big Lime	1970	2026
Keener	2026	2040
Shale	2040	2047
Upper Big Injun	2047	2065
Lower Big Injun	2065	2160
Sand/Shale	2160	2320
Upper Weir	2320	2344
Sand/Shale	2344	2388
Lower Weir	2388	2418
Shale	2418	2507
Berea	2507	2547
Shale	2547	2765
Total Depth	2765	

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