

Farm name: Margaret Kirby, Etal Operator Well No.: Kirby Etal #1

LOCATION: Elevation: 1149' Quadrangle: Smithville 7.5'

District: Murphy County: Ritchie
Latitude: 1834 Feet South of 39 Deg. 02 Min 30 Sec.
Longitude 3715 Feet West of 81 Deg. 02 Min 30 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 Cowan	11 3/4"	210.6	210.6	156.9
Date Permit Issued: 08/06/2012				
Date Well Work Commenced: 10/08/2012	8 5/8"	1398.8	1398.8	462.0
Date Well Work Completed: 12/20/2012				
Verbal Plugging:	4 1/2"	6324.8	6324.8	823.9
Date Permission granted on:				
Rotary Cable Rig				
Total Vertical Depth (ft): 6348'				
Total Measured Depth (ft): 6348'				
Fresh Water Depth (ft.): 50', 992'				
Salt Water Depth (ft.): 2040'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): None				
Void(s) encounter (N/Y) Depth(s) N				

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

Producing formation 2nd Elk, Lower Rhinestreet Pay zone depth (ft) 5680' to 6270'
Gas: Initial open flow show MCF/d Oil: Initial open flow - Bbl/d
Final open flow 100 MCF/d Final open flow show Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 1450 psig (surface pressure) after 72 Hours

Second producing formation Bradford, Benson, Alexander Pay zone depth (ft) 4591' to 5172'
Gas: Initial open flow show MCF/d Oil: Initial open flow - Bbl/d
Final open flow 100 MCF/d Final open flow show Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 1450 psig (surface pressure) after 72 Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all of 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.

Signed: MURVIN & MEIER OIL CO.
By: Kate M. Stach Exec. Vice-Pres.
Date: January 31, 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:

Photo Density, Compensated Neutron Array Induction

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:

6158' to 6270': 1 500 gals 15%, 756 bbls, 80 MSCF Nitrogen, 5000 lbs 80/100, 24,500 lbs 20/40
 5680' to 5736': 500 gals 15%, 290 bbls, 659 MSCF Nitrogen, 25,000 lbs 20/40
 4900' to 5172': 500 gals 15%, 700 MSCF Nitrogen
 4591' to 4623': 500 gals 15%, 700 MSCF Nitrogen

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

Formations Encountered	Top Depth	Bottom Depth
Fill	0	4
Shale/Sand	4	100
Sand	100	120
Sand/Shale/Red Rock	120	222
Sand/Shale	222	1940
Maxon	1940	2000
Shale/Sand	2000	2071
Big Lime	2071	2150
Big Injun	2150	2245
Sand/Shale	2245	2427
Weir	2427	2480
Sand/Shale	2480	2555
Berea	2555	2600
Sand/Shale	2600	2760
Gordon	2760	2800
Sand/Shale	2800	3530
Warren	3530	3620
Sand/Shale	3620	4125
Speechly	4125	4190
Sand/Shale	4190	4250
Balltown	4250	4500
Sand/Shale	4500	4540
Bradford	4540	4620

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Sand/Shale	4620	4730
Riley	4730	4760
Sand/Shale	4760	4875
Benson	4875	4890
Sand/Shale	4890	5030
Alexander	5030	5165
Sand/Shale	5165	5435
1st Elk	5435	5490
Sand/Shale	5490	5650
2nd Elk	5650	5675
Sand/Shale	5675	5875
Rhinestreet	5875	6015
Sand/Shale	6015	6336
Lime	6336	6348
Total Depth	6348	