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August 15, 2011

API # 47 - 085- 09899

WV Department of
Environmental Protection

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: **Mary E. Props**

Operator Well No. : **Four (4)**

LOCATION: Elevation: **986**
District: **Murphy**
Latitude: **1,130** Feet South of **39** Deg. **07** Min. **30** Sec.
Longitude: **3,420** Feet West of **81** Deg. **02** Min. **30** Sec.

Quadrangle: **Smithville**
County: **Ritchie**

Company: **J.F.DEEM OIL & GAS, LLC**
4541 EMERSON AVE., #1
PARKERSBURG, WV 26104

Casing & Tubing Size	Used In Drilling	Left In Well	Cement Fill Up Cu Ft
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Agent: **Frank Deem**
Inspector: **Dave Cowan**

16" 20'

Permit Issued:
Well Work Commenced: **07-25-11**
Well Work Completed: **08-12-11**

11-3/4" 155' 155' 84 Cu Ft

Verbal Plugging
Permission granted on:
Rotary X Cable Rig

8-5/8" 1818' 1818' 668 Cu Ft

Total Depth (feet) **5600**

4-1/2" 5553' 452 Cu Ft

Fresh water depths (ft) **NR**

Salt water depths (ft) **NR**

Is coal being mined in area (Y / N)? **No**

Coal Depths (ft): **1150**

OPEN FLOW DATA	Balltown	4149-4310
	Riley	4494-4502
	Benson	4683-4688
	Alexander	5073-5080

Producing formation	Eik	Pay zone depth (ft)	5475-5481
Gas: Initial open flow	Show	MCF / D	Oil: Initial open flow -0- Bbl / D
Final open flow	460	MCF / D	Oil: Final open flow Show Bbl / D
Time of open flow between initial and final tests	9 Days		
Static rock pressure	1,400	psig (surface pressure) after	19 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	Oil: Final open flow * Bbl / D
Time of open flow between initial and final tests	*		Hours
Static rock pressure	*	psig (surface pressure) after	* Hours

***All Formations Comingled.**

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.

For: **J.F.DEEM OIL & GAS, LLC**

By: *J.F. Deem* PRESIDENT

Date: **August 15, 2011**

12/16/2011

Mary Props No. 4 (47-085-09899)

TREATMENT:

Elk & Alexander (13 Holes) 5076-5481	750 GA & 1,000,000 SCF N2
Benson & Riley (12 Holes) 4684-4815	500 GA & 800,000 SCF N2
Riley & Balltown (13 Holes) 4150-4502	500 GA & 1,000,000 SCF N2

FORMATIONS:

Clay	0	17	
Shale/Red Rock	17	80	
Sand	80	150	
Shale/Red Rock	150	170	
Sand	170	175	
Shale	175	230	
Sand	230	290	
Shale	290	300	
Sand	300	430	
Shale/Red Rock	430	560	
Sand	560	625	
Red Rock/Shale	625	660	
Sand	660	695	
Shale/Red Rock	695	960	
Sand	960	1060	
Shale/Red Rock	1060	1100	
Sand	1100	1150	
Coal	1150	1160	
Sand	1160	1180	
Shale/Red Rock	1180	1190	
Shale	1190	1460	
Sand	1460	1540	
Shale	1540	1550	
Sand	1550	1670	
Sand/Shale	1670	1910	
Little Lime	1910	1945	
Shale	1945	1950	
Big Lime	1950	2085	
Big Injun	2085	2120	
Shale	2120	2190	Odor @ 2150
Sand	2190	2240	
Sand/Shale	2240	2990	
Silt	2990	3455	Odor @ 3440
Warren	3455	3470	
Silt	3470	5020	Odor @ 4500
Alexander	5020	5030	
Silt	5030	5040	
Sand	5040	5070	
Silt	5070	5410	
Elk	5410	5450	
Silt	5450	5600	
RTD	5600		