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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 Props**

Operator Well No. : **Three (3)**

LOCATION: Elevation: **982**  
District: **Murphy**  
Latitude: **2,420** Feet South of **39** Deg. **07** Min. **30** Sec.  
Longitude: **2,590** 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
11-3/4"	158	158	77 Cu Ft
8-5/8"	1990	1990	483 Cu Ft
4-1/2"		5518	374 Cu Ft

Agent: **Frank Deem**  
Inspector: **Dave Cowan**

Permit Issued:

Well Work Commenced: **04-20-10**

Well Work Completed: **05-03-10**

Verbal Plugging

Permission granted on:

Rotary  Cable  Rig

Total Depth ( feet ) **5540**

Fresh water depths ( ft ) **NR**

Salt water depths ( ft ) **1845**

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

Coal Depths ( ft ): **NR**

OPEN FLOW DATA

Riley	4454-4648
Benson	4773-4777
Alexander	4939-5042
Eik	5325-5445

Producing formation	Pay zone depth ( ft )
Gas: Initial open flow <b>60</b> MCF / D	Oil: Initial open flow <b>-0-</b> Bbl /
Final open flow <b>490</b> MCF / D	Oil: Final open flow <b>Show</b> Bbl / D
Time of open flow between initial and final tests <b>N/A</b>	Hours
Static rock pressure <b>1,220</b> psig ( surface pressure ) after <b>72</b>	Hours

Second producing formation	Pay zone depth ( ft )
Gas: Initial open flow * <b>MCF / D</b>	Oil: Initial open flow * <b>Bbl / D</b>
Final open flow * <b>MCF / D</b>	Oil: Final open flow * <b>Bbl / D</b>
Time of open flow between initial and final tests *	Hours
Static rock pressure * <b>psig ( surface pressure ) after *</b>	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: **May 17, 2010**

Mary Props No. 3 (47-085-09854)

TREATMENT:

Elk & Alexander (12 Holes) 4943-5441	500 GA & 800,000 SCF N2
Benson & Riley (12 Holes) 4646-4775	500 GA & 700,000 SCF N2
Riley & Balltown (12 Holes) 4454-4471	500 GA & 800,000 SCF N2

FORMATIONS:

Sand/Shale	0	117	
Shale	117	680	
Sand/Shale	680	740	
Shale	740	910	
Sand/Shale	910	1840	
Sand	1840	1870	Water @ 1845' - Oil
Sand/Shale	1870	1930	
Big Lime	1930	2060	
Injun	2060	3415	
Warren	3415	3975	Gas Ck @ 3428' - N/S Odor
Balltown	3975	4454	Gas Ck @ 4418' - N/S Odor
Riley	4454	4773	
Benson	4773	4936	
Alexander	4936	5429	
Elk	5429	5440	
Sand/Shale	5440	5540	
RTD	5540		