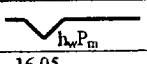


Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

**MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Operator <b>Gruy Petroleum Mgt.</b>					Lease or Unit Name <b>Annie Myers "B"</b>					
Type Test x <input type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 7-19-01		Well No. <b>9</b>			
Completion Date 6/20/01		Total Depth 3945		Plug Back TD 3280		Elevation 3338 GL		Unit Ltr. - Sec. - TWP - Rge. D- S-13-T24- R36		
Csg. Size 5 1/2	Wt. 15.5	d	Set At 3868	Perforations: From: 3036 To: 3060			County <b>Lea</b>			
Thg. Size 2 7/8	Wt. 6.5	D 2.441	Set At 3131	Perforations: From: <b>Bull Plug MA</b> To:			Pool <b>Langlie Matrix</b>			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple <b>SINGLE</b>					Packer Set At <b>None</b>		Formation <b>Yates/7RV/Queen</b>			
Producing Thru CASING		Reservoir Temp °F 109 @ 3500		Mean Annual Temp. °F 60		Baro. Press - P <sub>a</sub> 13.2		Connection <b>Sid Richardson</b>		
L 3036	H 3036	Gg 693	%CO <sub>2</sub> 1.3	%N <sub>2</sub> 4.0	%H <sub>2</sub> S	Prover		Meter Run 4.026	Taps Flange	
FLOW DATA					TUBING DATA			CASING DATA		Duration Of Flow
No.	Prover Line Size	Orifice X Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI		24 hour SI				Rod Pump	100	500		
1.	4.026 X 1.500		9	11.6	100	Rods	100	18		24 Hours
2.										
3.										
4.										
5.										
RATE OF FLOW CALCULATIONS										
No.	COEFFICIENT (24 HOUR)		Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd			
1.	10.84	16.05	22.2	.9636	1.201	Nil	201			
2.										
3.										
4.										
5.										
No.	P <sub>r</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.					
1.	.05	560	1.47	Nil	A. P. I. Gravity of Liquid Hydrocarbons 29.3 @ 60 _____ Deg.					
2.					Specific Gravity Separator Gas .693 _____ XXXXXXXXXXXX					
3.					Specific Gravity Flowing Fluid _____ XXXXXX					
4.					Critical Pressure 690 _____ P.S.I.A.			P.S.I.A.		
5.					Critical Temperature 380 _____ R.			R		
P <sub>c</sub> 513		P <sub>c</sub> <sup>2</sup> 26.3								
No.	P <sub>i</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	(1) P <sub>c2</sub> = 1.019 (2) P <sub>c</sub> <sup>2-n</sup> = [1.019]					
1.		21.2	.500	25.8	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> [ ]					
2.					AOF = Q [ P <sub>c</sub> <sup>2</sup> / (P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> ) ] = 205					
3.										
4.										
5.										
Absolute Open Flow 205 Mcfd @ 15.025					Angle of Slope θ: 45			Slope, n: 1.00		
Remarks: 24 Hour stable flow test. Trace of oil and 9 BBLs of water made during test. A 45 deg. Slope drawn through flow rate.										
Approved By Division			Conducted by: Danny Emerson			Calculated By: Reggie Reston			Checked By:	

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