

# NEW MEXICO OIL CONSERVATION COMMISSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

Operator <b>WILLIAMS PRODUCTION COMPANY</b>						Lease or Unit Name <b>ROSA UNIT</b>			
Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special			Test Date <b>7-11-1998</b>			Well Number <b>#66M</b>			
Completion Date		Total Depth		Plug Back TD		Elevation		Unit Sec Twp Rng <b>13 31N 6W</b>	
Casing Size		Weight		d		Set At		County <b>SAN JUAN</b>	
Tubing Size		Weight		d		Set at		County <b>BLANCO</b>	
Type Well - Single - Bradenhead - GG or GO Multiple				Packer Set At			Formation <b>DAKOTA</b>		
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Barometer Pressure - P <sub>a</sub>		Connection	
L	H	Gq <b>.6</b>	%CO <sub>2</sub>	%N <sub>2</sub>	%H <sub>2</sub> S	Prover 3/4"	Meter Run	Taps	

  

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Duration Of Flow
SI		2" X 3/4"			816				0
1					58	56°			0.5 hr
2					16	64°			1.0 hr
3					9	66°			1.5 hrs
4					19	65°			2.0 hrs
5					15	66°			3.0 hrs

  

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor F <sub>l</sub>	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd
1	9.604		27	.9943	1.29	1.004	334
2							
3							
4							

  

NO.	P <sub>r</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deq.	
2.					Specific Gravity Separator _____	
3.					Specific Gravity Flowing Fluid _____ XXXXXX	
4.					Critical Pressure _____ p.s.i.a. _____ p.s.i.a.	
5.					Critical Temperature _____ R _____ R	

  

P <sub>c</sub> 828		P <sub>c</sub> <sup>2</sup> 685,584		
NO.	P <sub>1</sub>	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.		27	729	684,855
2.				
3.				
4.				

  

Absolute Open Flow <b>334</b> Mcfd @ 15.025		Angle of Slope ° _____		Slope, n <b>.75</b>	
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Remarks:			
Approved By Commission:	Conducted By:	Calculated By: Susan Griguin	Checked By: