

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

Operator Williams Production Company					Lease or Unit Name Rosa Unit				
Test Type X Initial Annual Special			Test Date 11/1/2006		Well Number (API #) #310A (API # 30-039-29779)				
Completion Date 10/31/2006		Total Depth 4101'		Plug Back TD		Elevation 6986'		Unit Sec Twp Rng F 26 31N 04W	
Casing Size 7"		Weight 23#		Set At 3913'		Perforations:		County Rio Arriba	
Tubing Size 2 7/8"		Weight 6.5#		Set At 3902'		Perforations:		Pool Basin	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At		Formation Fruitland Coal		
Producing Thru Tubing		Reservoir Temp. oF		Mean Annual Temp. oF		Barometer Pressure - Pa		Connection	
L	H	Gq 0.6	%CO2	%N2	%H2S	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 oF	Pressure p.s.i.q	Temperature oF	Pressure p.s.i.q	Temperature oF	Duration of Flow
SI	2" X 3/4"				360		165		0
1					10	68	65		0.5 hr
2					10	68	65		1.0 hr
3					5	68	50		1.5 hrs
4					5	68	50		2.0 hrs
5					5	72	45		3.0 hrs

RATE OF FLOW CALCULATION									
NO	Coefficient (24 Hours)			hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604				17	0.9887	1.29	1.004	209
2									
3									
4									

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl. Deq.
1					A.P.I Gravity of Liquid Hydrocarbons _____	XXXXXX ____ p.s.i.a. ____ R
2					Specific Gravity Separator _____	
3					Specific Gravity Flowing Fluid <u>XXXXXXXXXX</u>	
4					Critical Pressure _____ p.s.i.a.	
5					Critical Temperature _____ R	

Pc	177	Pc2	31329	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		57	3249	28080
2				
3				
4				

Absolute Open Flow 227		Mcf/d @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission:	Conducted By: Mark Lepich	Calculated By: Tracy Ross	Checked By: