

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 8/23/2001		Well Number #184A				
Completion Date 8/17/2001		Total Depth 6504'		Plug Back TD 6400'		Elevation 6757'		Unit Sec Twp Rng G 34 31N 5W	
Casing Size 4 1/2"		Weight 10.5#		Set At 6308'		Perforations: 6796' - 6031'		County Rio Arriba	
Tubing Size 2-3/8"		Weight 4.7#		Set At 6331'		Perforations: 6067' - 6175'		Pool Blanco MV	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At		Formation MV		
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"				950	64	1060		0
1					270	70	990		0.5 hr
2					265	70	950		1.0 hr
3					255	70	920		1.5 hrs
4					250	71	900		2.0 hrs
5					235	71	860		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				247	0.9896	1.29	1.028	3113
2									
3									
4									

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

Pc	1072	Pc2	1149184	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		872	760384	388800
2				
3				
4				

Absolute Open Flow 7018		Mcf/d @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission:	Conducted By: Larry Higgins	Calculated By: Tracy Ross	Checked By: