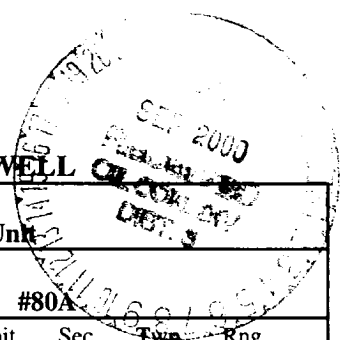


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Operator Williams Production Company					Lease or Unit Name Rosa Unit				
Test Type X Initial Annual Special			Test Date 8/24/2000		Well Number #80A				
Completion Date 8/11/2000		Total Depth 6011'		Plug Back TD 5950'		Elevation 6283'		Unit Sec Twp Rng F 8 31N 5W	
Casing Size 4-1/2"		Weight 10.5#		Set At 6011'		Perforations: 4580' - 5531'		County Rio Arriba	
Tubing Size 2-3/8"		Weight 4.7#		Set At 5865'		Perforations: 5559' - 5877'		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"				815		1000		0
1					245	68	955		0.5 hr
2					240	68	915		1.0 hr
3					240	68	890		1.5 hrs
4					240	68	860		2.0 hrs
5					240	68	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					252	0.9924	1.29	1.029	3188
2										
3										
4										

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

Pc	1012	Pc2	1024144	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		872	760384	263760
2				
3				
4				

Absolute Open Flow 8819		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: David Spitz