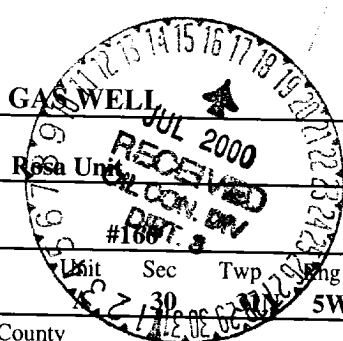


**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**



Operator Williams Production Company					Lease or Unit Name Rosa Unit				
Test Type X Initial Annual Special			Test Date 7/3/2000		Well Number				
Completion Date 6/27/2000		Total Depth 6188'		Plug Back TD 6100'		Elevation 6360'		Unit Sec Twp Rng 30 30 22 23	
Casing Size 4-1/2"		Weight 10.5#		Set At 6188'		Perforations: 4484' - 5639'		County Rio Arriba	
Tubing Size 2-3/8"		Weight 4.7#		Set At 5970'		Perforations: 5680' - 6030'		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
SI	2" X 3/4"				775		965	
1					312	67	885	0
2					310	67	860	0.5 hr
3					310	67	820	1.0 hr
4					310	67	800	1.5 hrs
5					300	70	760	2.0 hrs
								3.0 hrs

RATE OF FLOW CALCULATION										
NO	Coefficient (24 Hours)				hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fq	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604					312	0.9905	1.29	1.041	3986
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 _____				XXXXXXX
3					Specific Gravity Flowing Fluid xxxxxxxxxx				
4					Critical Pressure _____ p.s.i.a.				_____ p.s.i.a.
5					Critical Temperature _____ R				_____ R

NO	Pc	Pt1	Pw	Pw2	Pc2-Pw2	(1) $\frac{Pc2}{Pc2-Pw2} =$		(2) $\frac{Pc2^n}{Pc2-Pw2} =$	
1	977		772	595984	358545	2.6622293		2.0841746	
2									
3									
4									

Absolute Open Flow 8307		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