

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 8/13/2002		Well Number #24C				
Completion Date 8/5/2002		Total Depth 8145'		Plug Back TD 8134'		Elevation 6500'		Unit Sec Twp Rng C 32 31N 5W	
Casing Size 5 1/2"		Weight 17#		Set At 8146'		Perforations: 7980' - 8100'		County Rio Arriba	
Tubing Size 2 1/16"		Weight 3.25#		Set At 8093'		Perforations:		Pool Basin	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At 6100'		Formation DK		
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"				1260	101	1010		0
1					105	74	1010		0.5 hr
2					85	73	1010		1.0 hr
3					75	72	1010		1.5 hrs
4					70	73	1010		2.0 hrs
5					60	72	1010		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					72	0.9887	1.29	1.010	891
2										
3										
4										

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration				Mcf/bbl.
1					A.P.I Gravity of Liquid Hydrocarbons _____				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

Pc	1022	Pc2	1044484	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		1022	1044484	0
2				
3				
4				

Absolute Open Flow		#DIV/0!	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: