

**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 8/12/2002		Well Number #8C				
Completion Date 7/30/2002		Total Depth 6112'		Plug Back TD 6085'		Elevation 6429'		Unit Sec Twp Rng N 26 31N 6W	
Casing Size 4 1/2"		Weight 17#		Set At 6112'		Perforations: 5169' - 5598'		County Rio Arriba	
Tubing Size 2 1/16"		Weight 3.25#		Set At 5788'		Perforations: 5652' - 5898'		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"			1120	92	1120		0
1					315	60	1025		0.5 hr
2					305	62	995		1.0 hr
3					300	64	970		1.5 hrs
4					295	66	950		2.0 hrs
5					285	68	920		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					297	0.9924	1.29	1.030	3761
2										
3										
4										

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

Pc	1132	Pc2	1281424	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		932	868624	412800
2				
3				
4				

Absolute Open Flow 8796		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: