

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 6/17/2002		Well Number #5B				
Completion Date 6/10/2002		Total Depth 7952'		Plug Back TD 7932'		Elevation 6309'		Unit Sec Twp Rng B 26 31N 6W	
Casing Size 5 1/2"		Weight 17#		Set At 7952'		Perforations: 7804' - 7904'		County Rio Arriba	
Tubing Size 2 1/16"		Weight 3.25#		Set At 7860'		Perforations:		Pool Basin DK	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At 5893'		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"				1640	98	885		0
1					350	47	885		0.5 hr
2					160	71	885		1.0 hr
3					120	71	885		1.5 hrs
4					110	71	885		2.0 hrs
5					75	72	885		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				87	0.9887	1.29	1.010	1076
2									
3									
4									

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I Gravity of Liquid Hydrocarbons _____	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	897	Pc2	804609	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		897	804609	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: