

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 7/17/2002		Well Number #17B				
Completion Date 7/8/2002		Total Depth 8116'		Plug Back TD 8101'		Elevation 6414'		Unit Sec Twp Rng 1 20 31N 5W	
Casing Size 5 1/2"		Weight 17#		Set At 8116'		Perforations: 7954' - 8039'		County Rio Arriba	
Tubing Size 2 1/16"		Weight 3.25#		Set At 8038'		Perforations:		Pool Basin DK	
						Packer Set At		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"				2370	80	945		0
1					305	62	950		0.5 hr
2					190	67	955		1.0 hr
3					145	67	955		1.5 hrs
4					125	68	955		2.0 hrs
5					100	69	955		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					112	0.9877	1.29	1.033	1416
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
2					Specific Gravity Separator _____	
3					Specific Gravity Flowing Fluid xxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	____ p.s.i.a.
5					Critical Temperature _____ R	____ R

Pc	957	Pc2	915849	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		967	935089	-19240
2				
3				
4				

Absolute Open Flow		#NUM!	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: