

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 8/21/2006		Well Number #63A (API # 30-039-29776)				
Completion Date 8/18/2006		Total Depth 3534'		Plug Back TD		Elevation 6546'		Unit Sec Twp Rng J 30 31N 4W	
Casing Size 7"		Weight 23#		Set At 3322'		Perforations:		County RIO ARRIBA	
Tubing Size 2-7/8"		Weight 6.5#		Set At 3319'		Perforations:		Pool BASIN	
Type Well - Single-Bradenhead-GG or GO Multiple				Packer Set At SEP 2006		Formation FT			
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.g	Temperature oF	Pressure p.s.i.g	Temperature oF	Pressure p.s.i.g	Temperature oF	Duration of Flow
SI	2" X 3/4"				360		165		0
1					10	68	65		0.5 hr
2					10	68	65		1.0 hr
3					5	68	50		1.5 hrs
4					5	68	50		2.0 hrs
5					5	72	45		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					17	0.9887	1.29	1.004	209
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 _____					
3					Specific Gravity Flowing Fluid xxxxxxxxxx					XXXXXX
4					Critical Pressure _____ p.s.i.a.					____ p.s.i.a.
5					Critical Temperature _____ R					____ R
Pc 177		Pc ² 31329								
NO	Ptl	Pw	Pw ²	Pc ² -Pw ²	(1) $\frac{Pc^2}{Pc^2-Pw^2} =$ 1.1157051		(2) $\frac{Pc^{2n}}{Pc^2-Pw^2} =$ 1.0856			
1		57	3249	28080						
2										
3										
4										
Absolute Open Flow 227		Mcf/d @ 15.025		Angle of Slope _____			Slope, n 0.75			

Remarks:			
Approved By Commission:	Conducted By: Mark Lepich	Calculated By: Tracy Ross	Checked By:

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