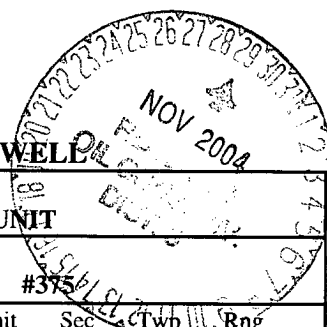


30-039-26948

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS**



Operator Williams Production Company					Lease or Unit Name ROSA UNIT				
Test Type X Initial Annual Special			Test Date 10/20/2004		Well Number #375				
Completion Date 9/14/2004		Total Depth 3534'		Plug Back TD		Elevation 6596'		Unit Sec Twp Rng K 24 31N 5W	
Casing Size 5-1/2"		Weight 17#		Set At 3441'		Perforations: 33446' - 3432'		County RIO ARRIBA	
Tubing Size 2-7/8"		Weight 6.5#		Set At 3433'		Perforations:		Pool BASIN	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At		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.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"				290		155		0
1					5	68	54		0.5 hr
2					5	68	69		1.0 hr
3					9	68	52		1.5 hrs
4					7	68	38		2.0 hrs
5					5	72	37		3.0 hrs

RATE OF FLOW CALCULATION										
NO	Coefficient (24 Hours)				hwPm	Pressure Pm	Flow Temp. Factor FI	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 A.P.I Gravity of Liquid Hydrocarbons _____ Specific Gravity Separator _____ Specific Gravity Flowing Fluid xxxxxxxxxx Critical Pressure _____ p.s.i.a. Critical Temperature _____ R					Mcf/bbl. Deq. XXXXXX _____ p.s.i.a. _____ R
Pc	167	Pc ²	27889							
NO	Ptl	Pw	Pw ²	Pc ² -Pw ²	(1) $\frac{Pc^2}{Pc^2 - Pw^2} = \underline{1.0942012}$					(2) $\frac{Pc^{2n}}{Pc^2 - Pw^2} = \underline{1.0698}$
1		49	2401	25488						
2										
3										
4					AOF = Q $\frac{Pc^{2n}}{Pc^2 - Pw^2} = \underline{224}$					
Absolute Open Flow		224	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: