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

Operator				Lease or Unit Name			
Williams Production Company				ROSA UNIT			
Test Type			Test Date	Well Number			
X Initial	Annual	Special	11/28/98	#160A			
Completion Date	Total Depth	Plug Back TD	Elevation	Unit	Sec	Twp	Rng
11/13/98				N	25	31N	6W
Casing Size	Weight	d	Set At	Perforations: From To	County		
					RIO ARRIBA		
Tubing Size	Weight	d	Set At	Perforations: From To	Pool		
					BLANCO		
Type Well - Single-Bradenhead-GG or GO Multiple				Packer Set At	Formation		
					MV		
Producing Thru	Reservoir Temp. oF	Mean Annual Temp. oF	Barometer Pressure - Pa	Connection			
Tubing							

L	H	Gq	%CO2	%N2	%H2S	Prover	Meter Run	Taps
		0.6				3/4"		

	FLOW DATA			TUBING DATA		CASING DATA		
NO	Prover Line 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"			997		1012		0
1				384	58	931		0.5 hr
2				369	63	902		1.0 hr
3				363	63	873		1.5 hrs
4				352	65	857		2.0 hrs
5				341	68	824		3.0 hrs

RATE OF FLOW CALCULATION

NO	Coefficient (24 Hours)	hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fq	Super Compress. Factor, Fpv	Rate of Flow Q,Mcfd
1	9.604		353	0.9924	1.29	1.04	4514
2							
3							
4							

NO	Pr	Temp. oR	Tr	Z
1				
2				
3				
4				
5				

Gas Liquid Hydrocarbon Ration ____ Mcf/bbl.
A.P.I Gravity of Liquid Hydrocabrons ____ Deq.
Specific Gravity Separator ____
Specific Gravity Flowing Fluid xxxxxxxxxx XXXXXX
Critical Pressure ____ p.s.i.a. ____ p.s.i.a.
Critical Temperature ____ R ____ R

Pc 1024 Pc^2 1048576

NO	Pt	Pw	Pw^2	Pc^2-Pw^2
1		836	698896	349680
2				
3				
4				

(1) $\frac{Pc^2}{Pc^2-Pw^2} = 2.9986731$ (2) $\frac{Pc^{2\wedge n}}{Pc^2-Pw^2} = 2.2788$

AOF = Q $\frac{Pc^{2\wedge n}}{Pc^2 - Pw^2} = 10286$

Absolute Open Flow 10286 Mcfd @ 15.025 Angle of Slope ____ Slope, n 0.75

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By: