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	10/3/98	#170			
Completion Date	Total Depth		Plug Back TD	Elevation	Unit	Sec	Twp	Rng
9/5/98					N	21	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 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"			1052		1059		0
1				381	57	956		0.5 hr
2				367	60	891		1.0 hr
3				352	62	848		1.5 hrs
4				344	64	818		2.0 hrs
5				322	66	771		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		334	0.9943	1.29	1.036	4263
2							
3							
4							

NO	Pr	Temp. oR	Tr	Z
1				
2				
3				
4				
5				
Pc	1071	Pc^2	1147041	

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

NO	PtI	Pw	Pw^2	Pc^2-Pw^2
1		783	613089	533952
2				
3				
4				

(1) $\frac{Pc^2}{Pc^2-Pw^2}$ = 2.14821 (2) $\frac{Pc^2\text{^}n}{Pc^2-Pw^2}$ = 1.7744

AOF = Q $\frac{Pc^{2\text{^}n}}{Pc^2 - Pw^2}$ = 7564

Absolute Open Flow	7564	Mcfd @ 15.025	Angle of Slope _____.	Slope, n	0.75

Remarks:

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

RECEIVED
OCT - 8 1998
OIL CON. DIV.
DIST. 3