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**	**11/29/98**		**#151A**	

Completion Date	Total Depth		Plug Back TD	Elevation	Unit	Sec	Twp	Rng
11/17/98					**L**	**33**	**32N**	**6W**

Casing Size	Weight	d	Set At	Perforations: From To	County
					SAN JUAN

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"			1062		1064		0
1				387	58	944		0.5 hr
2				374	60	892		1.0 hr
3				355	62	864		1.5 hrs
4				337	64	836		2.0 hrs
5				328	66	802		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		340	0.9943	1.29	1.036	4339
2							
3							
4							

NO	Pr	Temp. oR	Tr	Z		Mcf/bbl.
1					Gas Liquid Hydrocarbon Ration	Deq.
2					A.P.I Gravity of Liquid Hydrocabrons _____	
3					Specific Gravity Separator _____	
4					Specific Gravity Flowing Fluid xxxxxxxxxxx	XXXXXX
5					Critical Pressure _____ p.s.i.a.	___ p.s.i.a.
					Critical Temperature _____ R	___ R

Pc	1076	Pc²	1157776		

NO	Ptl	Pw	Pw²	Pc²-Pw²
1		814	662596	495180
2				
3				
4				

(1) $\dfrac{Pc^2}{Pc^2-Pw^2}$ = 2.3380912

(2) $\dfrac{Pc^2 n}{Pc^2-Pw^2}$ = 1.8908

AOF = Q $\dfrac{Pc^{2\wedge n}}{Pc^2 - Pw^2}$ = 8204

Absolute Open Flow	**8204**	Mcfd @ 15.025	Angle of Slope _____	Slope, n	0.75

Remarks:

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