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**	6/25/99			**#34A**			

Completion Date	Total Depth		Plug Back TD	Elevation		Unit	Sec	Twp	Rng
6/11/99				RECEIVED		**I**	**36**	**32N**	**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 **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"			964		968		0
1				222	60	921		0.5 hr
2				262	65	901		1.0 hr
3				304	68	884		1.5 hrs
4				319	70	862		2.0 hrs
5				341	71	838		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	0.9905	1.29	1.033	4475
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	**980**	Pc²	**960400**

NO	Pt1	Pw	Pw²	Pc²-Pw²			
1		850	722500	237900	(1) $\dfrac{Pc^2}{Pc^2-Pw^2}$ = **4.0369903**	(2) $\dfrac{Pc^{2\wedge n}}{Pc^2-Pw^2}$ = **2.8480**	
2							
3					AOF = Q $\dfrac{Pc^{2\wedge n}}{Pc^2 - Pw^2}$ = **12744**		
4							

Absolute Open Flow	**12744**	Mcfd @ 15.025	Angle of Slope _____.	Slope, n	**0.75**

Remarks:

Approved By Commission:	Conducted By: **Chik Charley**	Calculated By: **Tracy Ross**	Checked By: **David Spitz**