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**	6/12/2000		**#160**	

Completion Date	Total Depth		Plug Back TD	Elevation		Unit	Sec	Twp	Rng
5/30/2000						**O**	**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
		PC

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"			730		1095		0
1				150	95	732		0.5 hr
2				70	96	605		1.0 hr
3				10	94	580		1.5 hrs
4				0	94	580		2.0 hrs
5				155	77	180		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		167	0.984	1.29	1.024	2085
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	1107	Pc^2	1225449

NO	Pt1	Pw	Pw^2	Pc^2-Pw^2
1		192	36864	1188585
2				
3				
4				

(1) $\dfrac{Pc^2}{Pc^2-Pw^2}$ = 1.031015   (2) $\dfrac{Pc^{2 \wedge n}}{Pc^2-Pw^2}$ = 1.0263

$AOF = Q$ $\dfrac{Pc^{2 \wedge n}}{Pc^2 - Pw^2}$ = 2140

Absolute Open Flow	**2140**	Mcfd @ 15.025	Angle of Slope _____.	Slope, n	**0.85**

Remarks:

Approved By Commission:	Conducted By: Mark Lepich	Calculated By: Tracy Ross	Checked By: Stergie Katirgis