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

Operator **Williams Production Company**				Lease or Unit Name **Rosa Unit**				

Test Type _X Initial_ Annual Special		Test Date **12/4/2001**	Well Number **#24B**					

Completion Date **11/22/2001**	Total Depth **8130'**	Plug Back TD **8118'**	Elevation **6518'**	Unit **N**	Sec **32**	Twp **31N**	Rng **5W**

Casing Size **5-1/2"**	Weight **17#**	d	Set At **6903'**	Perforations: **7948' - 8042'**	County **Rio Arriba**

Tubing Size **2-1/16"**	Weight **3.25#**	d	Set At **8029'**	Perforations:	Pool **Basin**

Type Well - Single-Bradenhead-GG or GO Multiple	Packer Set At	Formation **DK**

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				2750	40	850		0
1				230	59	835		0.5 hr
2				155	63	835		1.0 hr
3				130	66	835		1.5 hrs
4				110	68	835		2.0 hrs
5				100	71	840		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		112	0.9896	1.29	1.016	1395
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 _____ .	XXXXXX
3					Specific Gravity Flowing Fluid xxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	____ p.s.i.a.
5					Critical Temperature _____ R	____ R

Pc	**862**	Pc2	**743044**			

NO	Ptl	Pw	Pw2	Pc2-Pw2	
1		852	725904	17140	
2					
3					
4					

(1) $\dfrac{Pc2}{Pc2-Pw2} =$ **43.351459**   (2) $\dfrac{Pc2^n}{Pc2-Pw2} =$ **16.89479**

$AOF = Q \quad \dfrac{Pc2^n}{Pc2 - Pw2} =$ **23570**

Absolute Open Flow **23570**	Mcfd @ 15.025	Angle of Slope _____ .	Slope, n **0.75**

Remarks:

Approved By Commission:	Conducted By: **Larry Higgins**	Calculated By: **Tracy Ross**	Checked By: