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: **6/27/2000**		Well Number: **#159A**				
Completion Date	Total Depth		Plug Back TD		Elevation	Unit: **M**	Sec: **19**	Twp: **31N**	Rng: **5W**
Casing Size	Weight	d	Set At	Perforations:		County: **Rio Arriba**			
Tubing Size	Weight	d	Set At	Perforations:		Pool: **Blanco MV**			
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	

RECEIVED JUL 2000 OIL CON. DIV. DIST. 3

	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"**			**205**	**86**	**1060**		**0**
1				**340**	**68**	**995**		**0.5 hr**
2				**325**	**69**	**955**		**1.0 hr**
3				**317**	**69**	**935**		**1.5 hrs**
4				**308**	**71**	**905**		**2.0 hrs**
5				**295**	**72**	**875**		**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**		**307**	**0.9887**	**1.29**	**1.041**	**3915**
2							
3							
4							

NO	Pr	Temp. oR	Tr	Z
1				
2				
3				
4				
5				

Gas Liquid Hydrocarbon Ration ____ Mcf/bbl.
A.P.I Gravity of Liquid Hydrocabrons ____ Deq.
Specific Gravity Separator ____ XXXXXX
Specific Gravity Flowing Fluid xxxxxxxxxx
Critical Pressure ____ p.s.i.a. ____ p.s.i.a.
Critical Temperature ____ R ____ R

Pc **1072** Pc2 **1149184**

NO	Pt1	Pw	Pw2	Pc2-Pw2
1		**887**	**786769**	**362415**
2				
3				
4				

(1) Pc2 / Pc2-Pw2 = **3.1709063** (2) Pc2^n / Pc2-Pw2 = **2.376225**

AOF = Q Pc2^n / Pc2 - Pw2 = **9302**

Absolute Open Flow **9302** Mcfd @ 15.025 Angle of Slope ____ Slope, n **0.75**

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Mark Lepich	Tracy Ross	David Spitz