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**	**9/15/2000**		**#185A**				
Completion Date	Total Depth	Plug Back TD	Elevation	Unit	Sec	Twp	Rng
8/29/2000	**8371'**	**8367'**	**6408'**	**M**	**16**	**31N**	**6W**
Casing Size / Weight / d	Set At	Perforations:	County				
5-1/2" / 17#	**8371'**	**8236' - 8346'**	**San Juan**				
Tubing Size / Weight / d	Set At	Perforations:	Pool				
2-1/16" / 3.25#	**8327'**		**Basin DK**				
Type Well - Single-Bradenhead-GG or GO Multiple		Packer Set At	Formation				
			DK				
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"**				**80**	**925**		**0**
1					**74**	**100**		**0.5 hr**
2					**70**	**70**		**1.0 hr**
3					**76**	**40**		**1.5 hrs**
4					**76**	**35**		**2.0 hrs**
5					**76**	**20**		**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**		**32**	**0.985**	**1.29**	**1.004**	**392**
2							
3							
4							

NO	Pr	Temp. oR	Tr	Z
1				
2				
3				
4				
5				
Pc	**937**	Pc2	**877969**	

NO	Pt1	Pw	Pw2	Pc2-Pw2
1		**32**	**1024**	**876945**
2				
3				
4				

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

(1) $\frac{Pc2}{Pc2-Pw2} = \mathbf{1.0011677}$ (2) $\frac{Pc2^n}{Pc2-Pw2} = \mathbf{1.0008756}$

AOF = Q $\frac{Pc2^n}{Pc2 - Pw2} = \mathbf{392}$

Absolute Open Flow **392** 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