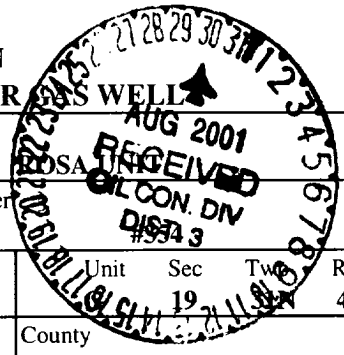
NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Operator				Lease or Unit Name				
Williams Production Company				ROSA UNIT				
Test Type			Test Date		Well Number			
X Initial	Annual	Special	6/14/2001		#994			
Completion Date	Total Depth		Plug Back TD	Elevation	Unit	Sec	Twp	Rng
6/2/2001	3525'		3485'	6634'		19		4W
Casing Size	Weight	d	Set At	Perforations:		County		
7"	20#		3380'	From To		Rio Arriba		
Tubing Size	Weight	d	Set At	Perforations:		Pool		
2-7/8"	6.7#		3497'	From To		BASIN		
Type Well - Single-Bradenhead-GG or GO Multiple				Packer Set At		Formation		
						FT		
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"			0		1325		0
1				0	64	1225		0.5 hr
2				630	66	975		1.0 hr
3				245	68	765		1.5 hrs
4				110	69	390		2.0 hrs
5				35	70	300		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		47	0.9905	1.29	1.004	579
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 _____.
Specific Gravity Flowing Fluid xxxxxxxxxx XXXXXX
Critical Pressure _____ p.s.i.a. ____p.s.i.a.
Critical Temperature _____ R ____ R

Pc 1337 Pc^2 1787569

NO	Pt	Pw	Pw^2	Pc^2-Pw^2
1		312	97344	1690225
2				
3				
4				

(1) $\frac{Pc^2}{Pc^2-Pw^2} = 1.0575923$ (2) $\frac{Pc^{2\wedge n}}{Pc^2-Pw^2} = 1.0429$

AOF = Q $\frac{Pc^{2\wedge n}}{Pc^2 - Pw^2} = 604$

Absolute Open Flow 604 Mcfd @ 15.025 Angle of Slope _____. Slope, n 0.75

Remarks:

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

K