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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	11/29/98	#156A			
Completion Date	Total Depth	Plug Back TD	Elevation	Unit	Sec	Twp	Rng
11/9/98				I	9	31N	6W
Casing Size	Weight	d	Set At	Perforations: From To		County	
						SAN JUAN	
Tubing Size	Weight	d	Set At	Perforations: From To		Pool	
						BLANCO	
Type Well - Single-Bradenhead-GG or GO Multiple				Packer Set At		Formation	
						MV	
Producing Thru	Reservoir Temp. oF		Mean Annual Temp. oF	Barometer Pressure - Pa		Connection	
Tubing							

RECEIVED
DEC - 3 1998
OIL CON. DIV.
DIST. 3

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"				1173		1181		0
1					404	56	1032		0.5 hr
2					396	60	973		1.0 hr
3					367	65	942		1.5 hrs
4					350	66	891		2.0 hrs
5					336	66	832		3.0 hrs

RATE OF FLOW CALCULATION

NO	Coefficient (24 Hours)	hwPm	Pressure Pm	Flow Temp. Factor Ft	Gravity Factor Fq	Super Compress. Factor, Fpv	Rate of Flow Q,Mcfd
1	9.604		348	0.9943	1.29	1.036	4441
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 1193 Pc^2 1423249

NO	Pt1	Pw	Pw^2	Pc^2-Pw^2
1		844	712336	710913
2				
3				
4				

(1) $\frac{Pc^2}{Pc^2-Pw^2} = 2.0020017$ (2) $\frac{Pc^{2\wedge n}}{Pc^2-Pw^2} = 1.6831$

AOF = Q $\frac{Pc^{2\wedge n}}{Pc^2-Pw^2} = 7475$

Absolute Open Flow 7475 Mcfd @ 15.025 Angle of Slope _____. Slope, n 0.75

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By: