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 X Initial Annual		Special	Test Date 9/6/98			Well Number		1 .48A			
Completion Date Total Depth		Plug Back TD			Flevation	L	Unit	Sec Twp	Rng		
8/16/98		Total Depth		I lug Dack I		Elevation	BEIN	は D z	2 31N	6W	
Casing Size Weight		Weight	d	Set At	Perforations: From To	U U SEI	1 4 1998		RIO ARRIBA	4	
Tubing Size Weight		d	Set At	Perforations: From To		0M, DI	Pool	BLANCO			
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At	D	III. 3	Ponation	MV		
Producing Thru Reservoir Te Tubing		mp. oF			Barometer P						
L	Н	Gq	%CO2		%N2	%H2S		Prover	Meter Run	Taps	
		0.6						3/4''			
	FLOW			V DATA		TUBING DATA		CASIN	IG DATA		
	Prover	X Orifice			Temperature		Temperature		Temperature		
	Line	Size		Pressure	oF	Pressure	oF	Pressure	oF	Duration of	
NO	Size			p.s.i.q		p.s.i.q		p.s.i.q		Flow	
SI	2" X 3/4"			Ĭ		1071		1021		0	
1						382	54	974		0.5 hr	
2				ľ		376	62	921		1.0 hr	
3					Ì	372	63	902		1.5 hrs	
4	<u> </u>					371	65	888		2.0 hrs	
5	-				<u> </u>	366	68	869		3.0 hrs	
	<u> </u>		•	RATEO	F FLOW CAL		·	<u></u>	<u> </u>	1	
	T	-			I		Flow Temp.	Gravity	Super	Rate of	
		Coef	ficient			Pressure	Factor	Factor	Compress.	Flow	
NO	(24 Hours)				hwPm	Pm	FI	Fq	Factor, Fpv	Q.Mcfd	
1	9.604				1.001.11	378	0.9924	1.29	1.04	4833	
- 1/2	7.004					3,0	0.7724	1,27	1.04	1000	
3	<u> </u>								 		
4	Pr	Tame of	Tr	Z	Cos Liquid U	ideographon Po	tion.	<u> </u>	<u> </u>	Mcf/bbl.	
NO	Pr	Temp. oR	11	L	Gas Liquid Hydrocarbon Ration						
<u> </u>	A.P.I Gravity of Liquid Hydrocabrons Specific Gravity Separator							Deq. 1			
2	 										
3		<u> </u>		 							
4	ļ				Critical Pressurep.s.i.a. Critical Temperature R					p.s.i.a.	
5	<u> </u>				Critical Tempe	erature		R		R	
Pc	1033	 	1067089	2 - 2	(4)	_ 2	4.6500	(0)	_ 7.		
NO	Pt1	Pw	Pw ²	Pc ² -Pw ²	(1)	$\frac{Pc^2}{}$ =	<u>3.66788</u>	(2)		<u>2.6504</u>	
1		881	776161	290928]	Pc^2-Pw^2			Pc^2-Pw^2		
2				ļ	1						
3				<u> </u>	AOF = Q	$\frac{Pc^2 \wedge^n}{Pc^2 - Pw^2} =$	<u>12810</u>				
4						$Pc^2 - Pw^2$					
Absolute Open Flow 12810			Mcfd @ 15.025 Angle of S			e Slope, n 0.75					
Remarks:											
Approved By Commission:			Conducted E	ly:		Calculated By:		Checked By:			
						Luciania					