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

Operator	Operator Williams Production Company						Lease or Unit Name ROSA UNIT				
			ucuo <u>n Con</u>	Test Date		L	Well Number			22	
Test Type X Initial Annual			Special	1			Well Ivalliber	1	361	~ (j	
			Special	Plug Back TD		Elevation	L	Unit "	Sec Twp	Rig	
· · ·		00'		D	6260'		K	•	₹ %		
		<u>d</u>	Set At Perforations:		0200		County				
Casing Size Weight 4-1/2" 10.5#		ľ	5000'		2864' - 5000)		RIO ARRIBA	<u> </u>		
Tubing Size Weight		d	Set At	Perforations:	2004 - 2000	·	Pool	1110			
2-3/8" Weight			lu 	2431'	Terrorations.				BASIN		
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At			Formation			
Type wen - Single-Bradelinead-OO of OO Multiple					acker Set 7tt			l ormanon	FT		
Producing Thru Reservoir Ten			mp. oF Mean Annual		l Temp oF Barome		Barometer I	Pressure - Pa Connection			
Tubing		mp. or	. or								
L	H	Gq	%CO2		%N2	%H2S		Prover	Meter Run	Taps	
	' '	0.6	1.002		1,01,12			3/4"			
			/ DATA			TUBING DATA			CASING DATA		
	Prover X Orifice				Temperature		Temperature		Temperature		
	Line	Size		Pressure	oF	Pressure	oF	Pressure	oF	Duration of	
NO	Size	Size		p.s.i.q		p.s.i.q		p.s.i.q		Flow	
SI	GIZO	2" X 3/4"		1		340		165		0	
1	 				-	3	68	55		0.5 hr	
2						3	68	70		1.0 hr	
3						10	68	55		1.5 hrs	
4						5	68	40		2.0 hrs	
5			-			3	72	38		3.0 hrs	
<u> </u>				RATE	OF FLOW CAL	CULATION					
							Flow Temp.	Gravity	Super	Rate of	
		Coef	ficient			Pressure	Factor	Factor	Compress.	Flow	
NO	(24 Hours)			hwPm	Pm	Fl	Fq	Factor, Fpv	Q,Mcfd		
1	9.604					15	0.9887	1.29	1.004	184	
2											
3											
4								<u></u>	<u> </u>	<u> </u>	
NO	Pr Temp. oR Tr Z Gas					Gas Liquid Hydrocarbon Ration				Mcf/bbl.	
1					· · · · · · · · · · · · · · · · · · ·					Deq.	
2					Specific Gravity Separator						
3										XXXXXX	
4					Critical Pressi	Critical Pressure				p.s.i.a.	
5					Critical Temp	erature		R		R	
Pc	177	Pc ²	31329		<u> </u>						
NO	Pt1	Pw	Pw ²	Pc ² -Pw ²	(1)	$\underline{Pc^2} =$	<u>1.0867182</u>	(2)	$) \underline{Pc^2 \wedge n} =$	<u>1.0644</u>	
1		50	2500	28829	7	Pc^2-Pw^2			Pc^2-Pw^2		
2											
3					AOF = Q	$\frac{Pc^2 \wedge^n}{Pc^2 - Pw^2} =$	<u>196</u>				
4					7	$Pc^2 - Pw^2$					
	Open Flow	196	Mcfd @ 15	.025	Angle of Slop		<u>.</u>	Slope, n	0.75		
Remarks:											
	y Commissio	n:	Conducted	By:		Calculated B	By:	Checked By	:		
	-		L	Mark Lepic	ch	Trac	y Ross	<u> </u>			
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