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

Operator	perator						Lease or Unit Name				
	Williams Production Company						Rosa Unit				
Test Type				Test Date			Well Number				
<u>X</u> Initial Annual		Special	7/11/99		153			164			
Completion Date Total Depth		Plug Back TI		D	Elevation	· BIV	Unit J	Sec Twp 1 31	Rng N 6W		
Casing Size W		Weight	d	Set At	Perforations: From To	שני שני של	· 1 5 19 9 9		La Plata		
Tubing Size		Weight	d	Set At		(DIII ((a) (v)	Pool	Blanco MV		
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At DISTO 3 Fernation MV						
Producing Thru Reservoir Te Tubing			mp. oF Mean Annual		l Temp. oF	Barometer		Pressure - Pa Connection			
L	Н	Gq 0.6	%CO2		%N2	%H2S		Prover 3/4"	Meter Run	Taps	
		FLOW	DATA			TUBING DATA		CASING DATA			
	Prover Line	X Orifice Size		Pressure	Temperature oF	Pressure	Temperature oF	Pressure	Temperature oF	Duration of	
NO	Size			p.s.i.q	ļ	p.s.i.q	l	p.s.i.q		Flow	
SI		2" X 3/4"				1110		1112		0	
1						401	58	1109		0.5 hr	
2						353	64	968		1.0 hr	
3						326	69	949		1.5 hrs	
4						328	66	936		2.0 hrs	
5						314	65	900		3.0 hrs	
	RATE OF FLOW CALCULATION							•			
							Flow Temp.	Gravity	Super	Rate of	
	Coefficient			icient		Pressure	Factor	Factor	Compress.	Flow	
NO	(24 Hours)				hwPm	Pm	Fl	Fq	Factor, Fpv	Q,Mcfd	
1	9.604					326	0.9952	1.29	1.036	4164	
2	ļ									<u> </u>	
3					ļ						
4	ļ	· •					<u> </u>	L		<u> </u>	
NO	Pr	Temp. oR	Tr	Z	Gas Liquid H	•				Mcf/bbl.	
1				<u> </u>	A.P.I Gravity of Liquid Hydrocabrons					Deq.	
2		 		<u>-</u>	Specific Gravity Separator XXXXXX						
3			1	<u> </u>	Specific Gravity Flowing Fluid xxxxxxxxxx					ļ	
4		4			={	Critical Pressurep.s.i.a.				p.s.i.a.	
5	1124 Pe2 12/227/			Critical Temp	erature		R		R		
Pc	1124	Pc2	126337 <u>6</u>	D 0 D 0	(4)	D-0	2.02/07/49	(0)	D-24:	2 2277.629	
NO	Pt1	Pw	Pw2	Pc2-Pw2	(1)		<u>2.9269748</u>	(2)		<u>2.2377638</u>	
1		912	831744	431632	-	Pc2-Pw2			Pc2-Pw2		
2	 			-	1	Do2A= -	0210				
3 4	1				AOF = Q	$\frac{\text{Pc2}^{\text{n}} =}{\text{Pc2} - \text{Pw2}}$	<u>9318</u>				
	0 51	9318	Mosd @ 15	025	Angle of Slop			Slope, n	0.75		
Absolute Open Flow 9318 Mcfd @ 15.025 Angle of Slope Slope Slope, n 0.75 Remarks:											
Approved By Commission: Conducted By:						Calculated B	W.	Checked By:		* "	
Whiteher B	y Commussion		Conducted	•	1/	Calculated By:		David Spitz			
			Chic Charley			Tracy Ross		David Spitz			