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

Operator	perator						Lease or Unit Name				
	V	Villiams Produ	etion Com			ROSA UNIT					
	Test Type Test Date				Well Numbe						
X Ini	~		Special	9/24/98		·	#12A				
Completion Date 9/14/98		Total Depth	Total Depth		Plug Back TD		Elevation		Sec Twp	Rng 6W	
Casing Size		Weight	d	Set At	Perforations: From To			County	RIO ARRIBA	Λ	
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 Tubing		Reservoir Temp. oF		Mean Annua	ual Temp. oF		Barometer I			<u> </u>	
L	Н	Gq 0.6	%CO2		%N2	%H2S		Prover 3/4''	Meter Run	Taps	
		FLOW DATA			TUBING DATA		IG DATA	CASING DATA			
	Prover	X Orifice Size		Pressure	Temperature oF	Pressure	Temperature oF	Pressure	Temperature oF	Duration of	
NO	Line Size	3120		p.s.i.q		p.sq		p.s.i.q		Flow	
SI	3126	2" X 3/4"		F		1012		1010		0	
1	 -	2 14 514				371	60	883		0.5 hr	
2	 					342	63	811		1.0 hr	
3	 					322	66	764		1.5 hrs	
1	+					304	68	731		2.0 hrs	
5						282	72	684		3.0 hrs	
				RATEC	OF FLOW CAL	CULATION					
							Flow Temp.	Gravity	Super	Rate of	
		Coef	fficient			Pressure	Factor	Factor	Compress.	Flow	
NO	(24 Hours)				hwPm	Prn	FI	Fq	Factor, Fpv	Q.Mefd	
1	9.604				294	0.9887	1.29	1.034	3724		
2											
3											
1											
NO	Pr	Temp. oR	Tr	Z	Gas Liquid F	Hydrocarbon R	Ration			Mcf/bbl.	
1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					ravity of Liquid Hydrocabrons				Deq.	
2					Specific Gravity Separator						
3					Specific Gravity Flowing Fluid xxxxxxxxx			XXX		XXXXXX	
4	+				Critical Press	sure		_p.s.i.a.		p.s.i.a.	
5		_			Critical Tem	perature		R		R	
Pc	1022	Pc ²	1044484								
NO	Pt1	Pw	Pw ²	Pc ² -Pw ²	(1) $Pc^2 =$	1.8649235	(2		1.5959	
	1 11	696	484416		i '	Pc^2-Pw^2			Pc^2-Pw^2		
1		030	+04410		7						
2			+		AOF = Q	$\underline{Pc}^{2 \wedge n} =$	<u>5943</u>				
3			+		⊢ ````````````````````````````````````	$Pc^2 - Pw^2$					
+		50.13	Mefd @ 1	5.025	Angle of Slo			Slope, n	0.75		
	Open Flow	<u>5943</u>	Twicia w i	J.U4J	L' Migic Or Sic	· r ·					
Approved By Commission: Conducted By:						Calculated	By:	Checked B	y:		