

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

Operator WILLIAMS PRODUCTION COMPANY						Lease or Unit Name ROSA UNIT			
Type Test ☒ Initial ☐ Annual ☐ Special			Test Date 6-25-1998			Well Number #66M			
Completion Date		Total Depth		Plug Back TD		Elevation		Sec Twp Rng 13 31N 6W	
Casing Size		Weight		d		Set At		Perforations: From To	
Tubing Size		Weight		d		Set at		Perforations: From To	
Type Well - Single - Bradenhead - GG or GO Multiple				Packer Set At				Formation MESAVERDE	
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Barometer Pressure - P _a		Connection	
L	H	Gq .6	%CO ₂	%N ₂	%H ₂ S	Prover 3/4"	Meter Run	Taps	

RECEIVED
JUL 23 1998
OIL CON. DIV.
DIST. 3

FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover X Line Size	Orifice Size	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F
SI	2" X 3/4"				1074		1076	
1					329	57°	912	
2					324	60°	873	
3					311	63°	851	
4					309	62°	830	
5					302	62°	798	

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _I	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		314	.9981	1.29	1.030	3999
2							
3							
4							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator	
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	p.s.i.a.
5.					Critical Temperature	R

P _c 1088		P _c ² 1183744	
NO.	P ₁ ¹	P _w	P _w ²
1.		810	656,100
2.			
3.			
4.			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2435$ (2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8331$

AOF = Q $\frac{P_c^2}{P_c^2 - P_w^2} = 7331$

Absolute Open Flow 7331 Mcfd @ 15.025		Angle of Slope °		Slope, n .75	
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Remarks:

Approved By Commission:	Conducted By:	Calculated By: Susan Griguin	Checked By:
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