

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

Form C-122-2
Revised 9-1-65

RECEIVED

DEC 16 1983

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12-14-83		(OWWO)	
Company El Paso Natural Gas Co.				Connection El Paso Natural Gas Co.			
Pool Basin				Formation Dakota		Unit	
Completion Date 12-7-83		Total Depth 7629		Plug Back TD 7581		Elevation 6479 GL	
Farm or Lease Name San Juan 27-5 Unit				Well No. 97			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7629	Perforations: From 7316 To 7537		Unit Sec. Twp. Rge. M 31 27 5	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7415	Perforations: From To		County Rio Arriba	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		State New Mexico	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12	
L	H	G _q	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							705		1108		7 days
1.											
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1.					Specific Gravity Separator Gas _____	X X X X X X X X
2.					Specific Gravity Flowing Fluid _____	X X X X X
3.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
4.					Critical Temperature _____ R	_____ R
5.						

NO.	P _t ²	P _w ²	P _c ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \text{_____}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \text{_____}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \text{_____}$

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope Θ _____	Slope, n _____
Approved By Commission: _____		Conducted By: Ernie Minert	Calculated By: Ed Mabe
		Checked By: _____	