

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11-9-81			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Basin Basin				Formation Dakota				Unit S. J. 28-7 Unit	
Completion Date 11-2-81		Total Depth 7182		Plug Back TD 7175		Elevation 6025		Farm or Lease Name S. J. 28-7 Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7182	Perforations: From 6948 To 7148		Well No. 134E			
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 7144	Perforations: From To		Unit Sec. Twp. Rge. E 21 28 7			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g .660	% 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							1517		2550		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 Ft	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcf/d
1.							
2.							
3.							
4.							
5.							

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

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²
1.					
2.					
3.					
4.					
5.					

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

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

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

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope @ _____	Slope, n .75
--	--	------------------------	--------------

Approved By Commission: _____	Conducted By: N. L. Waggoner	Calculated By: Ed Mabe	Checked by: _____
-------------------------------	---------------------------------	---------------------------	-------------------