

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 6-26-80				
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool So. Blanco				Formation Pictured Cliff				Unit	
Completion Date 6-4-80		Total Depth 6209		Plug Back TD 6192		Elevation 6878 G1		Farm or Lease Name S. J. 28-7 Unit	
Csg. Size 7.000	Wt. 20	d 6.456	Set At 3807	Perforations: From 3520 To 3648			Well No. #8A (PC)		
Tbg. Size 1.660	Wt. 2.4	d 1.380	Set At 3649	Perforations: From To			Unit Sec. Twp. Rge. I 18 28 7		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual					Packer Set At 3718		County Rio Arriba		
Producing Thru Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g 12		State New Mexico	
L	H	Gg 0.650	% 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.	
1.	2" X		0.750	137		68	952		952	
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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.365		149	0.9924	0.9608	1.013	1780
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 _____
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 964	P _c ² 929296		
NO.	P _r ²	P _w	P _w ²
1.	22201	149	22201
2.			
3.			
4.			
5.			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0245$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1817$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0208$

Absolute Open Flow 1817	Mcf/d @ 15.025	Angle of Slope θ _____	Slope, n 0.85
Remarks: _____			
Approved By Commission:	Conducted By: John Easley	Calculated By: H. E. McAnally	Checked By: