

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-27-81				
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool S. Blanco				Formation Pictured Cliff				Unit Rincon	
Completion Date 1-12-81		Total Depth 4099		Plug Back TD 4084		Elevation 6698 GR		Farm or Lease Name Rincon Unit	
Csg. Size 5.500	Wt. 15.50	d 4.950	Set At 4099	Perforations: From 3072 To 3129			Well No. #18 R		
Tbg. Size 1.660	Wt. 2.33	d 1.380	Set At 3113	Perforations: From To			Unit Sec. Twp. Rge. C 35 27 7		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual					Packer Set At 3695		County Rio Arriba		
Producing Thru Tbg.		Reservoir Temp. °F #		Mean Annual Temp. °F -		Baro. Press. - P _a 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.		Temp. °F
SI							732		732		15 Days
1.	Choke	0.750		83		63			173		3 Hours
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	12.365		95	0.9971	0.9608	1.009	1135
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	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 744	P _c ² 553536	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0659$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0557$
NO	P _i ²	P _w	P _w ²
1		185	34225
2			
3			
4			
5			

Absolute Open Flow 1198 Mcfd @ 15.025		Angle of Slope θ	Slope, n 0.85
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Remarks: Gas Vented - 138 MCF The Well Produced A Very Light Fog of Water Throughout The Test.

Approved By Division	Conducted By: Glen Spencer	Calculated By: H. E. McAnally	Checked By:
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