

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL 11-18-83

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-20-83	
Company William C. Russell				Connection El Paso Natural Gas Co.	
Pool Undesignated Chacra				Formation Chacra	
Completion Date 9-8-83		Total Depth 3320'		Plug back TD 3202'	
Elevation 5986' RKB		Farm or Lease Name Graham			
Csq. Size 4 1/2"	Wt. 11.6	d 4.000	Set At 3280	Perforations: From 3146' To 3186	
Trq. Size 1 1/2"	Wt. 2.9	d 1.610	Set At 3141	Perforations: From To	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru Tubing				Baro. Press. - P _a 12 psi (est)	
L		H	G _g .67 (est)	% 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.	Temp. °F
SI	8 days			912	60
1.	2"		3/4	82	60
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
1	12.3650		94	1.0000	0.9463
2.					
3.					
4.					
5.					
NO.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio
1.					A.P.I. Gravity of Liquid Hydrocarbons
2.					Specific Gravity Separator Gas
3.					Specific Gravity Flowing Fluid
4.					Critical Pressure
5.					Critical Temperature
P _c 912 P _c ² 831,744					
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1614$
1		340	115,600	716,144	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1188$
2					
3					
4					
5					
Absolute Open Flow 1244 Mcd @ 15.025 Angle of Slope 0 Slope, n .75					
Remarks:					
Approved By Division		Conducted By: Robert Dintelman		Calculated By: Robert Dintelman	
				Checked By: Kevin H. McCord	