

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10-22-82																														
Company Curtis J. Little			Connection El Paso Natural Gas Co.																																
Pool Ballard			Formation Pictured Cliff																																
Completion Date 10-15-82		Total Depth 2325		Plug Back TD 2312																															
Elevation 6365 G.L.		Farm or Lease Name Salazar																																	
Csg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 2325	Perforations: From 2164 To 2252																															
Well No. 6																																			
Trg. Size	Wt.	d	Set At	Perforations: From To																															
Slim Hole																																			
Type Well - Single - Drdhead - G.G. or G.O. Multiple Single				Packer Set At None																															
Producing Thru Casing		Reservoir Temp. °F #		Mean Annual Temp. °F																															
				Baro. Press. - P _a 12 psia																															
L		H	G _g .650	% CO ₂	% N ₂																														
				% H ₂ S	Prover																														
					Meter Run																														
					Taps																														
FLOW DATA			TUBING DATA		CASING DATA																														
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w																														
1	7 days																																		
2	2 inch	750	195																																
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																														
1	12.3650		207	1.000	.9608																														
2																																			
3																																			
4																																			
5																																			
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio																														
1					Mcf/bbl.																														
2					A.P.I. Gravity of Liquid Hydrocarbon																														
3					Specific Gravity Separator Gas																														
4					Specific Gravity Flowing Fluid																														
5					Critical Pressure																														
					Critical Temperature																														
P_c 626 P_c² 391876 <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>P_t²</th> <th>P_w</th> <th>P_w²</th> <th>P_c² - P_w²</th> </tr> <tr> <td>1</td> <td></td> <td>248</td> <td>61650</td> <td>330226</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td>Calculated</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.18669$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1566$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2901$						NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	1		248	61650	330226	2					3		Calculated			4					5				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²																															
1		248	61650	330226																															
2																																			
3		Calculated																																	
4																																			
5																																			
Absolute Open Flow 2901			Mcf @ 15.025		Angle of Slope θ																														
Remarks: Dry gas			Slope, n .85																																
Approved By Division		Conducted By: Joe Elledge		Calculated By: Joe Elledge																															
				Checked By: Curtis J. Little																															