

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4-19-82	
Company Curtis J. Little				Connection El Paso Natural Gas Co.	
Pool Ballard				Formation Pictured Cliff	
Completion Date 4-9-82		Total Depth 2292		Plug Back TD 2244	
Casing Size 2.875		Set At 2.441		Elevation 6223 G.L.	
Perforations: From 2158 To 2229		Well No. 4		Form or Lease Name Foster	
Perforations: From To		Unit E		Sec. Twp. Rge. 18 26 7	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Interval Casing		Reservoir Temp. °F B		Baro. Press. - P _a 12 psia	
Mean Annual Temp. °F		County Rio Arriba		State New Mexico	
L H C _g		% CO ₂		% N ₂	
.650					
Prover		Meter Run		Taps	
FLOW DATA				TUBING DATA	
Casing Data				Duration of Flow	
NO.	Prover Line Size	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F
1	10 days				
2	2 inch	.750	28		
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		40	1.000	.9608
2					
3					
4					
5					
Gas Liquid Hydrocarbon Ratio _____ Mcl/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ R					
NO.	P ₁ ²	P _w	P ₂ ²	P ₂ ² - P _w ²	
1	483		233289		
2		48	2285	234004	
3		calculated			
4					
5					
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.00989$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.00839$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 483$					
Absolute Open Flow 483				Mold # 15.025	
Angle of Slope θ				Slope, n .85	
Remarks: Gas completely dry.					
Approved By Division		Conducted By: Joe Elledge		Checked By: Curtis J. Little	