

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-9-80			
Company El Paso Natural Gas Company						Connection Northwest Pipeline Corp.			
Pool Tapacito						Formation Pictured Cliff		Unit San Juan 27-4	
Completion Date 11-24-80		Total Depth 6323		Plug Back TD 6306		Elevation 6771 G.L.		Farm or Lease Name San Juan 27-4 Unit	
Csg. Size 7.000	Wt. 20.0	d 6.456	Set At 3980	Perforations: From 3661 To 3746		Well No. #124A			
Thq. Size 1.660	Wt. 2.33	d 1.380	Set At 3735	Perforations: From To		Unit D 8 27 4		Sec. Twp. Rge.	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual						Packer Set At 3830		County Rio Arriba	
Producing Thru Csg.		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g 0.670	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run 4"	Taps Flange	

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.	
SI							1065		1065	
1.	4 X 2.750			26	250	26	84		75	
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	129.96	4.87		1.0344	1.222	1.005	804
2.							
3.							
4.							
5.							

NO.	P _t	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 1077	P _c ² 1159929		
NO	P _t ²	P _w	P _w ²
1		96	9216
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0080$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 809$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0068$

Absolute Open Flow 809 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 0.85
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Remarks: Vented Gas - 185 MCF. The Well Produced No Liquids During The Test.

Approved By Division	Conducted By: Roger Hardy	Calculated By: H. E. McAnally	Checked By:
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