

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 11-10-80	
Company El Paso Natural Gas Company		Connection Northwest Pipeline Corp.	
Pool Tapacito		Formation Pictured Cliffs	
Completion Date 8-10-80		Total Depth 6235'	
Plug Back TD 6219'		Elevation 6715'	
Farm or Lease Name San Juan 27-4 Unit		Unit San Juan 27-4 Unit	
Csg. Size 7.00	Wt. 20.0	d 6.456	Set At 3903'
Perforations: From *3608 To 3680		Well No. #134	
Thq. Size 1.666	Wt. 2.90	d 1.380	Set At 3668
Perforations: From To		Unit Sec. Twp. Rgeo. N 9 27 4	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual		Packer Set At 3773'	
County Rio Arriba		State New Mexico	
Producing Thru Csg.	Reservoir Temp. °F P	Mean Annual Temp. °F	Baro. Press. - P _a 12
L	H	G _g 0.670	% CO ₂ % N ₂ % H ₂ S
Prover		Meter Run 4"	Taps Flg.

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	
SI							1106		62 Days
1.	4" X 2.750"		97	6.10	51	239	221		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 Ft.	Gravity Factor F _g	Rate of Flow Q, Mcfd
1	41.10	63.68	109	1.009	1.222	3227
2.						
3.						
4.						
5.						

Super Compress. Factor, F_{pv}

NOV. 009 1980

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DIST. 3

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1118	P _c ² 1,249,924	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0531$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0449$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		251	63001	1,186,923
2				
3				
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3372$

Absolute Open Flow 3,372	Mcf/d @ 15.025	Angle of Slope θ	Slope, n 0.85
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Remarks: * 4½" Liner 3763 - 5235'

No Liquids Produced - Gas Vented - 444 MCF

Approved By Division	Conducted By: Ron Headrick	Calculated By: Bill Clark	Checked By:
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