

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-18-80			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				Unit San Juan 29-7	
Completion Date 7-25-80		Total Depth 8102		Plug Back TD 8095		Elevation 6844 G.L.		Farm or Lease Name San Juan 29-7 Unit	
Csg. Size 7.000	Wt. 23.0	d 6.366	Set At 6404	Perforations: From 5238 To 6158		Well No. #40A (MV)			
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 6147	Perforations: From To		Unit Sec. Twp. Rge. I 28 29 7			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual						Packer Set At 6240		County Rio Arriba	
Producing Thru Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g 0.680	% 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.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							859		869		24 Days
1.	Choke	0.750		573		70	610				3 Hr.
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	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		585	0.9905	0.9393	1.064	7161
2.							
3.							
4.							
5.							

NO.	P _r	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	
5.					Critical Temperature	

P _c 881	P _c ² 776161	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9939$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6779$
NO	P _t ²	P _w	P _w ²
1		622	386884
2			
3			
4			
5			

Absolute Open Flow 12016 Mcfd @ 15.025		Angle of Slope θ	Slope, n 0.75
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Remarks: The Well Produced 978 MCF Gas During The Test.

Approved By Commission:	Conducted By: John Easley	Calculated By: H. E. McAnally	Checked By:
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