

**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 8-7-80				
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Pictured Cliff				Unit San Juan 28-7	
Completion Date 5-25-80		Total Depth 5537		Plug Back TD 5523		Elevation 6294 GR		Farm or Lease Name San Juan 28-7 Unit	
Csg. Size 7.000	Wt. 20.0	d 6.456	Set At 3177	Perforations: From 2832 To 2947			Well No. #94A (PC)		
Tbg. Size 1.660	Wt. 2.4	d 1.380	Set At 2930	Perforations: From To			Unit E	Sec. Twp. Rge. 30 28 7	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 3055		County Rio Arriba			
Producing Thru Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.650	% 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							865		865		74 Days
1.	Choke		0.750	82		66			82		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		94	0.9943	0.9608	1.009	1120
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 877	P _c ² 769129	
NO.	P _r ²	P _w
1	8836	94
2		
3		
4		
5		

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0116$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0099$	
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1130$			

Absolute Open Flow	1130	Mcf/d @ 15.025	Angle of Slope @	Slope, n .85
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Remarks: The Well Produced 199 MCF Gas During The Test.	
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Approved By Commission:	Conducted By: John Ealsy	Calculated By: H. E. McAnally	Checked By:
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