

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 7-31-80				
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				Unit San Juan 28-7 Unit	
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 4406 To 5432			Well No. #94A (MV)		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5443	Perforations: From To			Unit Sec. Twp. Rge. E 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 Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	
			0.695						

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							962				67 Days
1.	Choke		0.750	349		74					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	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		361	0.8968	0.9292	1.039	4252
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	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. 3
5.					Critical Temperature	R

P _c 974	P _c ² 948676	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1829$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7959$
NO. 1	P _t ² 130321	P _w 717	P _w ² 514089
2			
3			
4			
5			

Absolute Open Flow 7636 Mcfd @ 15.025		Angle of Slope θ	Slope, n 0.75
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Remarks: 4.500 Liner From 3043 to 5537. The Well Produced 390 MCF Gas During The Test.

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