

**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 7-7-80			
Company El Paso Natural Gas Company					Connection			
Pool S. Blanco Ext.					Formation Pictured Cliff			
Completion Date		Total Depth 5833		Plug Back TD 5814		Elevation 6480 Gr.		Farm or Lease Name San Juan 28-6 Unit
Csg. Size 7.000	Wt. 20#	d 6.456	Set At 3447	Perforations: From 3128 To 3256			Well No. #22A (PC)	
Thq. Size 1.660	Wt. 2.3	d 1.380	Set At 3251	Perforations: From To			Unit Sec. Twp. Rge. 0 8 27 6	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual					Packer Set At 3292'		County Rio Arriba	
Producing Thru		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico
L	H	G _g .660	% 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							270		1060		23 Days
1. Choke			.750	75		36	75		730		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		87	1.024	1.231	1.000	1356
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	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A. P.S.I.A.
5.					Critical Temperature	R R

P _c 1072 P _c ² 1149184			
NO.	P _t ²	P _w	P _w ²
1		742	550564
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9197$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2361$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7408$

Absolute Open Flow	2361	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks: Gas Vented During Test - 182 MCF

Approved By Commission:	Conducted By: Ernest Minert	Calculated By: L. E. Mabe, Jr.	Checked By:
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