

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 11-3-81			
Company El Paso Natural Gas Company				Connection				
Pool Blanco				Formation Mesa Verde				Unit
Completion Date 10-9-81		Total Depth 7843		Plug Back TD 7835		Elevation 6607 GR		Farm or Lease Name San Juan 29-7 Unit
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3702	Perforations: From *5044 To 5977			Well No. #30A	
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 5953	Perforations: From To			Unit Sec. Twp. Rge. 0 35 29 7	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual					Packer Set At 6035		County Rio Arriba	
Producing Thru Csg. L		Reservoir Temp. *F a		Mean Annual Temp. *F		Baro. Press. - P _a 12		State New Mexico
H		Gg .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							715		765		24 Days
1.			.750	425		65	505		425		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		437	.9952	.9535	1.047	5369
2.							
3.							
4.							
5.							

NO.	P _r	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Wg/lbl.
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	P.S.I.A. DIST. 3
5.					Critical Temperature	R

P _c 777		P _c ² 603729			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		517	267289	336440	
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{603729}{336440}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5504$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8324$

Absolute Open Flow 8324 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
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Remarks: * - 7.000" Liner 3532' - 6175'	
* - 4.500" Liner 6068' - 7843'	

Approved By Commission:	Conducted By: John Easley	Calculated By: Ed Mabe	Checked By:
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