

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

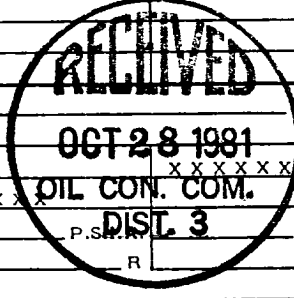
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-27-81	
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota		Unit	
Completion Date 10-20-81		Total Depth 7843		Plug Back TD 7835		Elevation 6607 GR	
Farm or Lease Name San Juan 29-7 Unit							
Coq. Size 9.625	Wt. 40	d 8.835	Set At 3702	Perforations: From *7648 To 7823		Well No. #30A	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7797	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 Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12	
State New Mexico							
L	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							1960				7 Days
1.			.750	65		60	65				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		78	1.000	.9535	1.009	928
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mc/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
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R



P _c 1972	P _c ² 3888784	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3888784}{3858855}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0058$
NO.	P _t ²	P _w	P _w ²
1		173	29929
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 933$

Absolute Open Flow	933	Mcfd @ 15.025	Angle of Slope @	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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