

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

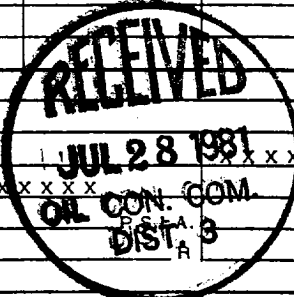
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-27-81			
Company El Paso Natural Gas Company						Connection			
Pool Basin						Formation Dakota		Unit	
Completion Date 7-19-81		Total Depth 7850		Plug Back TD 7841		Elevation 6648 GL		Farm or Lease Name San Juan 29-7 Unit	
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3730	Perforations: From *7602 To 7800		Well No. 110M			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7759	Perforations: From To		Unit I	Sec. 31	Twp. 29	Rge. 7
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual						Packer Set At		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							826				8 Days
1.			.750	103		68	103				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, Mcld
1	12.365		115	.9924	.9535	1.013	1363
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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R



P _c 838 P _c ² 702244			
NO	P _t ²	P _w	P _w ²
1	13225	254	64516
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{702244}{637728}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0750$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1465$$

Absolute Open Flow 1465 Mcld @ 15.025		Angle of Slope Θ _____	Slope, n .75
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Remarks: * 7.000" Liner 3559 - 6139	
* 4.500" Liner 6073 - 7850	

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