

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 7-22-81			
Company El Paso Natural Gas Company				Connection					
Pool Basin				Formation Dakota				Unit	
Completion Date 7-15-81		Total Depth 7521		Plug Back TD		Elevation		Farm or Lease Name San Juan 29-7 Unit	
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3420	Perforations: From *7261 To 7483				Well No. #109M	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7470	Perforations: From To				Unit Sec. Twp. Rge. J 30 29 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	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							1908				7 Days
1.	2		.750	12		63	12				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		24	.9971	.9535	1.004	283
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c	1920	P _c ²	3686400
NO	P _t ²	P _w	P _w ²
1	576	52	2704
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3686400}{3683696}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 283$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.001$

Absolute Open Flow	283	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	.75
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Remarks: * 7.000 Liner 3280 - 5784
* 4.500 Liner 5694 - 7521

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