

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

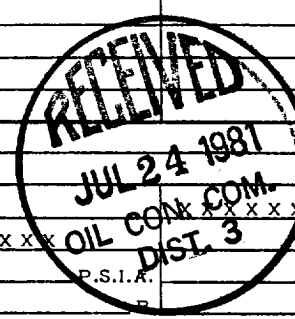
Form C-122
 Revised 9-1-65

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 7635		Plug Back TD 7627		Elevation	
Farm or Lease Name San Juan 29-7 Unit							
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3498	Perforations: From *7357 To 7572		Well No. #112 M	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7526	Perforations: From To		Unit Sec. Twp. Rge. C 29 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							2121				7 Days
1.	2 X .750			92		70	92				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		104	.9905	.9535	1.008	1224
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										



P _c 2133	P _c ² 4549689		
NO	P _t ²	P _w	P _w ²
1	10816	226	51076
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{4549689}{4498613}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.009$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1235$$

Absolute Open Flow	1235	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:	* 7.000 Liner - 3344 - 5881
	* 4.500 Liner - 5775 - 7635

Approved By Commission:	Conducted By: N.L. Waggoner	Calculated By: Ed Mabe	Checked By:
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