

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

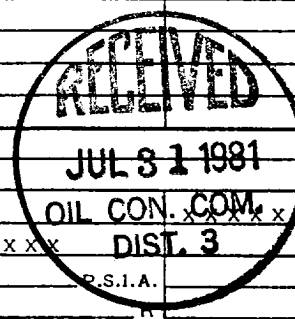
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-29-81	
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company			
Pool Blanco				Formation Mesa Verde		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 *4733 To 5702		Well No. #112M	
Tbg. Size 1.990	Wt. 2.9	d 1.610	Set At 5683	Perforations: From To		Unit C	Sec. 29
Twp. 29		Rge. 7					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 5741		County Rio Arriba	
Producing Thru Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico	
Baro. Press. - P _a 12							
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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							832		879		14 Days
1.			.750			74	703		652		3 Hr.
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		664	.9868	.9535	1.072	8281
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	X X X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



P _c 891	P _c ² 793881	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{793881}{282656}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.1696$
NO.	P _t ²	P _w	P _w ²
1		715	511225
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 17966$

Absolute Open Flow	17.966	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .76
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Remarks: * 7.000" Liner - 3344' - 5881'
 * 4.500" Liner - 5775' - 7635'

Approved By Commission:	Conducted By: Norman Waggoner	Calculated By: Ed Mabe	Checked By:
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