

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 9-18-80	
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota		Unit San Juan 29-7	
Completion Date 8-19-80		Total Depth 7956		Plug Back TD 7948		Elevation 6668 GR	
Farm or Lease Name San Juan 29-7 Unit		Well No. #44A					
Csq. Size 9.625	Wt. 40	d 8.835	Set At 3888	Perforations: From *7712 To 7888		Unit Sec. Twp. Rge. I 27 29 7	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7845	Perforations: From To		County Rio Arriba	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 6080		State New Mexico	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F 12		Baro. Press. - P _a 12	
L	H	G _g 0.625	% 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							2530				7 Days
1.	Choke	.750		82		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12,365		94	.9952	.9798	1.007	1141
2.							
3.							
4.							
5.							

NO.	P _r	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
3.					Specific Gravity Flowing Fluid	X X X X X X X X
4.					Critical Pressure	P.S.I.A. 3 P.S.I.A.
5.					Critical Temperature	R R

NO.	P _c	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{6461764}{6418404}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0051$
1	8836	208	43360		
2.					
3.					
4.					
5.					

Absolute Open Flow		1147	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:		* 7.00" Liner 3746' - 6241'
		* 4.50" Liner 6093' - 7956'

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