

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 10-7-81	
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota		Unit	
Completion Date 9-30-81		Total Depth 8022		Plug Back TD 8014		Elevation 6747 GR	
Farm or Lease Name San Juan 29-7 Unit		Well No. #61A					
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3937	Perforations: From *7779 To 7993		Unit Sec. Twp. Rge. F 34 29 7	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 8022	Perforations: From To		County Rio Arriba	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 6125		State New Mexico	
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12	
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							1700				7 Days
1.			.750	45		62	45				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		57	.9981	.9535	1.004	673
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
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 1712	P _c ² 2930944	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{2930944}{2916060}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0038}{1.0038}$
NO.	P _r ²	P _w	P _w ²
1		122	14884
2			
3			
4			
5			

Absolute Open Flow 676 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
Remarks: * 7.000" - Liner 3822' - 6291'			
* 4.500" - Liner 6140' - 8022'			

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