

**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 9-15-81			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 9-8-81		Total Depth 8047		Plug Back TD		Elevation		Farm or Lease Name San Juan 29-7 Unit	
Seq. Size 9.625	Wt. 40	d	Set At 3890	Perforations: From *7811 To 8025		Well No. #86A			
Tq. Size 2.375	Wt. 4.7	d 1.995	Set At 7989	Perforations: From To		Unit Sec. Twp. Rge. E 17 29 7			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual						Packer Set At 6240		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. *F @		Mean Annual Temp. *F		Baro. Press. - P _a 12		State New Mexico	
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							2104				7 Days
1.			.750	102		64	102				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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		114	.9962	.9535	1.014	1358
2.							
3.							
4.							
5.							

NO.	P _t	Temp. *R	T _f	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	XXXXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

NO.	P _c	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{4477456}{4412940}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.011$
1	2116	254	64516		
2					
3					
4					
5					

Absolute Open Flow 1372 Mcfd @ 15.025				Angle of Slope θ		Slope, n .75	
Remarks: *7.000" Liner - 3686' - 6379'							
*4.500" Liner - 6266' - 8047'							

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