

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 8-11-80				
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit San Juan 29-7	
Completion Date 7-25-80		Total Depth 7926		Plug Back TD 7920		Elevation 6723 G.L.		Farm or Lease Name San Juan 29-7 Unit	
Csg. Size 7.000	Wt. 20.0	d 6.456	Set At 6216	Perforations: From 7708 To 7918		Well No. 31A (DK)			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7872	Perforations: From To		Unit Sec. Twp. Rge. J 32 29 7			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual					Packer Set At 6066		County Rio Arriba		
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.670	% 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							1592				17 Days
1.	Choke	0.750		38		66					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		50	0.9943	0.9463	1.004	584
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	
3					Specific Gravity Flowing Fluid	
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _c 1604	P _c ² 2572816	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0129$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0097$
NO.	P _t ²	P _w	P _w ²
1	2500	181	32761
2			
3			
4			
5			

Absolute Open Flow 590 Mcfd @ 15.025		Angle of Slope θ		Slope, n .75	
Remarks: 4.500 Liner From 6121 to 7926 102 MCF Gas Produced During The Test.					
Approved By Commission:		Conducted By: John Easley		Calculated By: H. E. McAnally	
				Checked By:	