

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 10-14-81			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				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	
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3937	Perforations: From *5147 To 6096		Well No. #61A			
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 6063	Perforations: From To		Unit F	Sec. 34	Twp. 29	Rge. 7
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 6125		County Rio Arriba			
Producing Thru Csg. L		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							230		760		14 Days
1.			.750	325		64	195		325		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		337	.9962	.9535	1.036	4101
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	Deq.
2.					Specific Gravity Separator Gas	X X X X
3.					Specific Gravity Flowing Fluid	X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 772	P _c ² 595984	
NO.	P _t ²	P _w ²
1	342	116964
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{595984}{479020}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4831$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1780$

Absolute Open Flow 4831	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: * 7.000" Liner 3822' - 6291'
* 4.500" Liner 6150' - 8022'

Tubing Logged Off - PW Calculated

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