

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 7-30-80			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				Unit San Juan 28-7 Unit	
Completion Date 7-21-80		Total Depth 6139		Plug Back TD 6121		Elevation 6854 GR		Farm or Lease Name San Juan 28-7 Unit	
Csg. Size 7.000	Wt. 20.0	d 6.456	Set At 3827	Perforations: From 5024 To 6058		Well No. #30A (MV)			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6046	Perforations: From To		Unit E	Sec. 18	Twp. 28	Rge. 7
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual						Packer Set At		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _g 12		State New Mexico	
L	H	Gg 0.685	% 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							831				9 Days
1.	Choke	0.750	259			66					3 Hrs.
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	271		0.9943	0.9395	1.028	3218
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	73441	558	311364	399285
2.				
3.				
4.				
5.				

P_c 843 P_c² 710649

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7798$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5409$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4959$

Absolute Open Flow	4959	Mcf/d @ 15.025	Angle of Slope θ	Slope, n 0.75
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Remarks: 4.500 Liner From 3672 to 6139. The Well Produced 497 MCF Gas During The Test

Approved By Commission:	Conducted By: John Easley	Calculated By: H. E. McAnally	Checked By:
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