

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 10-8-81			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 9-24-81		Total Depth 7924		Plug Back TD 7914		Elevation 6681 GR		Farm or Lease Name San Juan 29-7 Unit	
Log. Size 9.625	Wt. 40	d 8.835	Set At 3902	Perforations: From * 5110 To 6057			Well No. #70A		
Trg. Size 1.900	Wt. 4.7	d 1.610	Set At 6038	Perforations: From To			Unit F	Sec. Twp. Rge. 35 29 7	
Type Well - Single - Braedenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 6118		County Rio Arriba			
Producing Thru csg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _g 12		State New Mexico	
L	H	Gq .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							650		730		14 Days
1.			.750	330		64	462		330		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		342	.9962	.9535	1.036	4161
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2.										
3.										
4.										
5.										

P _c 742 P _c ² 550564				$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{550564}{325888}$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4819$	
NO.	P _w	P _w ²	P _c ² - P _w ²				
1	474	224676	325888				
2.							
3.							
4.							
5.							

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6166$				
Absolute Open Flow 6166 Mcfd @ 15.025		Angle of Slope @		Slope, n .75

Remarks: * 7.000" Liner - 3736' - 6244'	
* 4.500" Liner - 6133' - 7924'	

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