

**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 11-22-82	
Company El Paso Natural Gas Company				Connection Northwest Pipeline Corp.	
Pool Blanco				Formation Mesa Verde	
Completion Date 11-8-82		Total Depth 7934		Plug Back TD 7925	
				Elevation 6688 GR	
Csq. Size 9.625	Wt. 40	d 8.835	Set At 3824	Perforations: From *5176 To 6072	
Thq. Size 1.900	Wt. 2.7	d 1.610	Set At 6075	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 6112	
Producing Thru Thq. L		Reservoir Temp. *F @		Baro. Press. - P _a 12	
H		Gg .680	% CO ₂	% N ₂	% H ₂ S
			Prover	Meter Run	Taps
Farm or Lease Name San Juan 27-5 Unit					
Well No. #96E					
Unit Sec. Twp. Rge. H 15 27 5					
County Rio Arriba					
State New Mexico					

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	
1.			.750	220		58	1070		1122		14 Days
2.							220		955		3 Hours
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		232	1.0019	.9325	1.025	2747
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 1134	P _c ² 1285956	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1285956}{350867}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.6489$
NO. 1	P _w 967	P _w ² 935089	P _c ² - P _w ² 350867
1			
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7277$

Absolute Open Flow	7277	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: * 7.000" Liner 3691' - 6270'
4.500" Liner 6152' - 7933'

Gas Ventd During Test = 377 MCF

Approved By Commission:	Conducted By: Harold Cloer	Calculated By: Ed Mabe	Checked By:
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