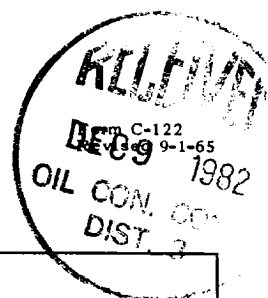


**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-8-82	
Company El Paso Natural Gas Company				Connection Northwest Pipeline Company		
Pool Blanco				Formation Mesa Verde		Unit
Completion Date 11-24-82		Total Depth 8005		Plug Back TD 7995		Elevation 6709 GR
Farm or Lease Name San Juan 27-5 Unit						
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3788	Perforations: From *5230 To 6142		Well No. #99E
Thg. Size 1.900	Wt. 2.9	d 1.610	Set At 6137	Perforations: From To		Unit Sec. Twp. Rye. C 11 27 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 6178		County Rio Arriba
Producing Thru Csg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12
State New Mexico						
L	H	Gg .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							890		940		14 Days
1.			.750	515		24	648		515		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		527	1.0365	.9463	1.073	6858
2.							
3.							
4.							
5.							

NO.	P _r	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 _____ 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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 952	P _c ² 906304	
NO.	P _r ²	P _w ²
1	660	435600
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{906304}{470704}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 11209$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6345$

Absolute Open Flow	11,209	Mcf/d @ 15.025	Angle of Slope θ	Slope, n 75
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Remarks:	* 7.000" Liner - 3676' - 6322'
	* 4.500" Liner - 6204' - 8004'

Gas Vented During Test - 896 MCF			
Approved By Commission:	Conducted By: Mel Wileman	Calculated By: Ed Mabe	Checked By: