

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY
DUAL COMPLETION

DATE **September 19, 1957**

Operator El Paso Natural Gas Company		Lease Storey No. 4	
Location 900'N, 1650'E, Sec. 34-28-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 2793	Tubing: Diameter 2	Set At: Feet 4937
Pay Zone: From 4862	To 5009	Total Depth: 5065 - c/o 5020	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75	Choke Constant: C 12.365	5-1/2" liner, 2743 to 5060	
Shut-In Pressure, Casing, PSIG PC 921	+ 12 = PSIA 933	Days Shut-In 15	Shut-In Pressure, Tubing, PSIG 1026
Flowing Pressure: P, PSIG MV 240	+ 12 = PSIA 252	Working Pressure: P _w , PSIG Calculated	+ 12 = PSIA 482
Temperature: T, °F 69	n = .75	F _{pv} (From Tables) 1.026	Gravity .665

Final SIPC (PC) - 920 psig. Packer at 2848. Sleeve at 2684

CHOKE VOLUME = Q = C x P_i x F_i x F_g x F_{pv}

Q = 12.365 x 252 x .9915 x .9498 x 1.026 = 3011 MCF/D

OPEN FLOW Aof = Q $\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$

Aof = $\left(\frac{1,077,414}{845,120} \right)^n = 1.2749^{.75} \times 3011 = 1.20 \times 3011$

Aof = 3613 MCF/D



TESTED BY R. A. Ullrich

WITNESSED BY _____

cc: E. S. Oberly (6)

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