

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 8, 1966

Operator El Paso Natural Gas Company		Lease Warren No. 8	
Location 600'S, 800'W, Section 7, T-28-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2253	Tubing: Diameter No Tubing	Set At: Feet -
Pay Zone: From 2140	To 2212	Total Depth: 2258	Shut In 6-23-66
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 754	+ 12 = PSIA 766	Days Shut-In 15	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA -
Flowing Pressure: P PSIG 134	+ 12 = PSIA 146		Working Pressure: Pw PSIG Calc	+ 12 = PSIA 174
Temperature: T = 60 °F	Ft = 1.0000	n = .85	Fpv (From Tables) 1.013	Gravity 630 Fg = .9759

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = (12.365) (146) (1.0000) (.9759) (1.013) = \underline{1785} \text{ MCF/D}$$

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

$$Aof = \left(\frac{586,756}{556,480} \right)^n = (1785) (1.0544)^{.85} = (1785) (1.0461)$$

$$Aof = \underline{1867} \text{ MCF/D}$$

NOTE: Light fog of water and
distillate throughout test.TESTED BY Walter Cassida & A. J. Loleit

CALCULATED

WITNESSED BY Tom B. Grant

H. L. Kendrick

