

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 16, 1967

Operator El Paso Natural Gas Company		Lease Feuille A No. 3	
Location 1750'N, 1650'E, Sec. 9, T-29-N, R-10-W		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2292	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2194	To 2232	Total Depth: 2292	Shut In 8-4-67
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 584	+ 12 = PSIA 596	Days Shut-In 12	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 170	+ 12 = PSIA 182	Working Pressure: P _w PSIG Calc.	+ 12 = PSIA 218		
Temperature: T = 68 °F F _t = .9924	n = .85	F _{pv} (From Tables) 1.016	Gravity .630	F _g = .9759	

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

$$Q = (12.365)(182)(.9924)(.9759)(1.016) = \underline{2214} \text{ MCF/D}$$

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

$$Aof = \left(\frac{355216}{307692} \right)^n = (2214)(1.1544)^{.85} = (2214)(1.1300)$$

NOTE: The well produced a light spray of dist. and water throughout the test.

$$Aof = \underline{2502} \text{ MCF/D}$$

TESTED BY D. R. RobertsCALCULATED
WITNESSED BY H. E. McAnallyCHECKED BY A. J. Loleit

H. L. Kendrick
H. L. Kendrick