

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 30, 1969

Operator El Paso Natural Gas		Lease Florance "C" No. 14	
Location 950'S; 1700'E; S-19; T-28N; R-8W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2295	Tubing: Diameter No tubing	Set At: Feet ---
Pay Zone: From 2190	To 2233	Total Depth: 2300	Shut In 4-19-69
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 823	+ 12 = PSIA 835	Days Shut-In 11	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 122	+ 12 = PSIA 134		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 161	
Temperature: T = 61 °F	Ft = .9990	n = .85	F _{pv} (From Tables) 1.012	Gravity .650	F _g = .9608

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

$$Q = (12.365)(134)(.9990)(.9608)(1.012) = \underline{1609} \text{ MCF/D}$$

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

$$Aof = \left(\frac{697225}{671304} \right)^n = (1609)(1.0386)^{.85} = (1609)(1.0327)$$

Note: The well produced dry gas throughout the test.

$$Aof = \underline{1662} \text{ MCF/D}$$

TESTED BY B. J. B.Calculated
WITNESSED BY H. E. M.

H. L. Kendrick
H. L. Kendrick

