

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 12, 1968

Operator El Paso Natural Gas Company		Lease Tapp No. 6	
Location 790'N, 1190'E, Sec. 22, T-28-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2964	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2842	To 2866	Total Depth: 2964	Shut In 10-28-68
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 1041	+ 12 = PSIA 1053	Days Shut-In 15	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 325	+ 12 = PSIA 337		Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 423
Temperature: T = 67 °F Ft = .9933	n = .85		Fpv (From Tables) 1.032	Gravity .655 Fg = .9571

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

$$Q = (12.365)(337)(.9933)(.9571)(1.032) = 4088 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1108809}{929880} \right)^n = (4088)(1.1924)^{.85} = (4088)(1.1615)$$

Note: The well produced a very fine mist of water throughout the test.

$$Aof = 4748 \text{ MCF/D}$$

TESTED BY B.J. BroughtonCalculated
WITNESSED BY H.E. McAnally

H. L. Kendrick
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