

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 10, 1967

Operator El Paso Natural Gas Company		Lease Liskey A No. 4	
Location T-29-N, R-10-W		County San Juan	State New Mexico
Formation Flicker		Pool Antea	
Casing: Diameter	Set At: Feet 2340	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From	To 2282	Total Depth: 2365	Shut In 8-3-67
Stimulation Method Cold Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 1.00		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 658	+ 12 = PSIA 658	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 212	+ 12 = PSIA 224	Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 269		
Temperature: T = 64 °F	Ft = .9915	n = .85	Fpv (From Tables) 1.021	Gravity .650	Fg = .9608

CHOKE VOLUME = $Q = C \times P_t \times F_t \times F_g \times F_{pv}$

$$Q = (12.365)(224)(.9915)(.9608)(1.021) = 2694 \text{ MCF/D}$$

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

$$Aof = \left(\frac{432964}{360603} \right)^{.85} = (2694)(1.2006)^{.85} = (2694)(1.1631)$$

NOTE: The well produced dry gas throughout the test.

$$Aof = 3147 \text{ MCF/D}$$

TESTED BY D. R. Roberts

WITNESSED BY T. B. Grant

CALCULATED BY H. E. McAnally

H. L. Kendrick
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