

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 20, 1967

Operator El Paso Natural Gas Company		Lease Lindrith Unit No. 64	
Location Sec. 30, T-24-N, R-4-W		County Rio Arriba	State New Mexico
Formation Tapacito		Pool Tapacito	
Casing: Diameter 10.75	Set At: Feet 3169	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 56	To 3112	Total Depth: 3169	Shut In 6-26-67
Stimulation Method Sand Seal Plug		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 154	+ 12 = PSIA 970	Days Shut-In 22	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 154	+ 12 = PSIA 154	Working Pressure: Pw PSIG Calc. (181)	+ 12 = PSIA 193		
Temperature: T = 50 °F	Ft = 1.0010	n = .85	Fpv (From Tables) 1.014	Gravity .650	Fg = .9603

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

$$Q = (12.365)(154)(1.0010)(.9603)(1.014) = 1857 \text{ MCF/D}$$

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

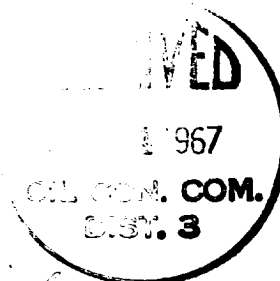
$$Aof = \left(\frac{756000}{719651} \right)^n = (1857)(1.0517)^{.85} = (1857)(1.0438)$$

NOTE: The well blew light fog of water and sand during entire test.

$$Aof = 1938 \text{ MCF/D}$$

TESTED BY J. B. Goodwin

WITNESSED BY T. B. Grant



H. L. Kendrick
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by ZSC