

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 28, 1967

Operator El Paso Natural Gas Company		Lease Tapp No. 5	
Location 800'S, 1650'E, Sec. 15, T-28-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 2969	Tubing: Diameter NO TUBING	Set At: Feet
Pay Zone: From 2844	To 2902	Total Depth: 3000	Shut In 9-19-67
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 1032	+ 12 = PSIA 1044	Days Shut-In 9	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 241	+ 12 = PSIA 253		Working Pressure: Pw PSIG Calc.	+ 12 = PSIA	317
Temperature: T = 64 °F	n = .85		Fpv (From Tables) 1.025	Gravity .650	Fg = .9608

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

$$Q = (12.365)(253)(.9962)(.9608)(1.025) = \underline{3069} \text{ MCF/D}$$

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

$$Aof = \left(\frac{1089936}{989447} \right)^n = (3069)(1.1015)^{.85} = (3069)(1.0856)$$

NOTE: The well blew dry gas throughout the test.

$$Aof = \underline{3332} \text{ MCF/D}$$

TESTED BY R. F. HoadrickCHECKED BY H. E. McAnally

H. L. Kendrick
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