

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 17, 1957

Operator El Paso Natural Gas		Lease Bolack No. 2-D	
Location 990'S, 1750'W, Sec. 13-24-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5 1/2	Set At: Feet 2180	Tubing: Diameter 1 1/4	Set At: Feet 2110
Pay Zone: From 2082	To 2152	Total Depth: c/o 2160	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75	Choke Constant, C 12.365		
Shut-In Pressure, Casing, PSIG 691	PSIA 703	Days Shut-In 16	Shut-In Pressure, Tubing, PSIG 691
Flowing Pressure, P, PSIG 192	PSIA 204		Working Pressure, Pw, PSIG 199
Temperature, T, F 64	F .85		Fpv (From Tables) 1.020
			Gravity .650

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

$$Q = 12.365 \times 204 \times .9962 \times .9608 \times 1.020$$

2463

MCF D

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

$$Aof = \left(\frac{494,209}{449,688} \right)^n \times 1.0990^{.85} \times 2463 = 1.0836 \times 2463$$

Aof 2669 MCF D

TESTED BY R. A. Ullrich

WITNESSED BY _____



L. D. Galloway
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