

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 15, 1960

Operator El Paso Natural Gas Company	Lease Lindrith No. 37
Location 1090N, 990E; 21-24-3	County Rio Arriba State New Mexico
Formation Pictured Cliffs	Pool South Blanco
Casing Diameter 5-1/2" Set At Feet 3300	Tubing Diameter 1-1/4" Set At Feet 3272
Play Zones From 3209 To 3268	Initial Length 3302 c/o 3290 Shut In 9/5/60
Stimulation Method Sand Water Frac.	Flow Through Casing X Flow Through Tubing

Choke size, inches .75	Choke Constant, C 12.365
Shut-In Pressure, Casing, PSIG 954	12 PSIA Days Shut-In 966 10
Flowing Pressure, P (Csg) 48 PSIG	12 PSIA Working Pressure, Pw (Tbg) 51 PSIG
Temperature, T 57 F	Eqv. From Tables 1.004 Gravity .688
F 1.0029	Fg .9359

$$\text{CHOKE VOLUME } Q = C \times P_c \times F_c \times F_g \times F_v$$

$$Q = 12.365 \times 60 \times 1.0029 \times .9359 \times 1.004$$

699

MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_c^2}{P_c^2 - F_c^2} \right)^n$$

$$A_{of} = \left(\frac{933156}{929187} \right)^n$$

$$1.0042^{.85} \times 699 = 1.0036 \times 699$$

Aof

702

MCF/D

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