

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 8, 1960

Operator El Paso Natural Gas Company	Lease Lindrith Unit No. 34
Location 1190N, 1700E; 25-24N-3W	County Rio Arriba State New Mexico
Formation Pictured Cliffs	Pool South Blanco
Casing: Diameter 5-1/2" Set At Feet 3213	Tubing: Diameter 1-1/4" Set At Feet 3130
Pay Zone: From 3112 To 3166	Total Depth 3213 c/o 3175 Shut-in 8/5/60
Stimulation Method Sand Water Frac.	Flow Through Casing X Flow Through Tubing

Choke Size, Inches .75	Choke Constant 12.365
Shut-in Pressure, Casing 970 PSIG 12 PSIA	Shut-in Pressure, Tubing 970 PSIG 12 PSIA
Flowing Pressure, Casing 157 PSIG 12 PSIA	Flowing Pressure, Tubing 157 PSIG 12 PSIA
Temperature 45 F	Gravity .700 Sp Gr
Flow From Casing 1.0147	Flow From Tubing 1.021
Flow Constant .850	Flow Constant .9258

CHOKE VOLUME $Q = C \times P_r \times F_c \times F_g \times F_v$

$$Q = 12.365 \times 169 \times 1.0147 \times .9258 \times 1.021$$

2004

MCF/D

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

$$A_{of} = \left(\frac{964324}{413760} \right)^n \quad 2.3306^{.85} \times 2004 = 2.0520 \times 2004$$

Aof **4112** MCF/D

TESTED BY **R. Headrick**

WITNESSED BY

Checked By **W. D. Dawson**



Lewis D. Galloway
L. D. Galloway