

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE December 28, 1959

Operator El Paso Natural Gas	Lease Vaughn No. 6
Location 990S, 1500E; 26-26-6	County Rio Arriba State New Mexico
Formation Pictured Cliffs	Pool South Blanco
Casing: Diameter 5-1/2 Set At: Feet 2967	Tubing: Diameter 1-1/4 Set At: Feet 2878
Pay Zone: From 2914 To 2948	Total Depth: 2966 c/o 2960 Shut In 12/18/59
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 932	Days Shut-In 10
Working Pressure: P, PSIG 133	Shut-In Pressure, Tubing, PSIG 932
Temperature 58	Working Pressure: P _w , PSIG 144
1.0019	Fpv (From Tables) 1.016
.85	Gravity .695 g .9292

$$\text{CHOKE VOLUME } Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$$

$$Q = 12.365 \times 145 \times 1.0019 \times .9292 \times 1.0160$$

1696

MCF D

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

$$A_{of} = \left(\frac{891136}{866800} \right)^n$$

$$1.0280^{.85} \times 1696 = 1.02369 \times 1696$$

A_{of} 1736

MCF D

D. Montemmen

Checked By S. V. Roberts

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