

OPEN FLOW TEST DATA

Date: July 9, 1956

Operator: El Paso Natural Gas Company

Lease: Florance # 6-D

Location: 1590'N, 890'W, Sec. 18-27-8

County: San Juan State: N.M.

Formation: Pictured Cliff

Pool: South Blanco

Casing: 5 1/2 " Set 2174

Tubing: 1 1/2 " Set 2099

Pay Zone: 2098 , To: 2130

Total Depth: 2157 - c/o - 2140

Choke Size: 0.75

Choke Constant = $C = \underline{14.1605}$

Stimulation Method: Sand Water Frac.

Flow Through: Casing X Tubing

Shut-In Pressure Casing: 807 psig / 12 = 819 psia (Shut-in 12 days)

Shut-In Pressure Tubing: 807 psig / 12 = 819 psia

Flowing Pressure: P : 190 psig / 12 = 202 psia

Working Pressure: P_w : 195 psig $\div 12 =$ 207 psia

Temperature: $76^{\circ} \text{F} - 460 = 536^{\circ} \text{ absolute}$

ρ_{av} (from tables) : 1.016 Gravity .636 n .85

$$\text{Choke Volume} = v = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$= 14.1605 \times 202 \times .9850 \times \frac{.9721}{1.016} = \underline{\underline{2.783}}$$

Open Flow = $\Delta \phi = \frac{P_c^2}{P_c^2 - P_w^2}$

$$\text{Ref} = 2783 \quad \left[\frac{670,761}{627,912} \right]^n = (1.0682)^{.85} \times 2783 = 1.0576 \times 2783$$

lof = 2,943

Tested By: K. C. McBride and R. A. Ullrich

Witnessed By: _____



L. D. Calloway

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