

OPEN FLOW TEST DATA

Date: July 9, 1956

Lease: Florance # 7-D

County: San Juan State: N.M.

Pool: South Blanco

Casing: 5 $\frac{1}{2}$ " Set 2205 ' , Tubing: 1 $\frac{1}{2}$ " Set 2097 ' .

Pay Zone: 2102 ' To: 2152 ' Total Depth: _____

Choke Size: .750 " Choke Constant = C = 14.1605

Stimulation Method: Sand Water Frac. Flow Through: Casing X Tubing

Shut-In Pressure Casing: 782 psig / 12 = 794 psia (Shut-in days)

Shut-In Pressure Tubing: 781 psig / 12 = 793 psia

Flowing Pressure: P : 62 psig / 12 = 74 psia

Working Pressure: P_w : 89 psig $\div 12 =$ 101 psia

Temperature: $^{\circ}\text{F}$: 77 $^{\circ}\text{F}$ / 460 = 537 $^{\circ}$ Absolute

F_{inv} (from tables) : 1.006 Gravity .636 n .5

$$\text{Choke Volume} = \frac{C \times F_t \times F_t \times F_g \times F_{pv}}{1.006} = \frac{14.1605 \times 74 \times .9840 \times .9721 \times 1.006}{1.006} = \underline{1,008} \text{ MCF/}$$

$$\text{Open Flow} = \text{Aof} = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

$$\text{Aof} = 1,008 \left[\frac{630,436}{620,235} \right]^n = (1.0164)^{.85 \times 1008} = 1.01392 \times 1008$$

of = 1,022 MCF/D

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

Witnessed By: _____



L. D. Galloway

OIL CONSERVATION COMMISSION.

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