

OPEN FLOW TEST DATA

Date: July 13, 1956

Operator: United States Smelting Refining & Mining Co. Lease: Jicarilla

Location: 490' from S. and 620' from W. lines County: Rio Arriba State: N.M.
Sec. 33-24N-4W

Formation: Pictured Cliffs Pool: Wildcat

Casing: 7" Set @ 2851' Tubing: 2-3/8" Set 2733'

Pay Zone: 2728' To: 2740' Total Depth: 2851'

Choke Size: 3/4" Choke Constant = C = 14.1605

Stimulation Method: Sand Water frac Flow Through: Casing Tubing X

Shut-In Pressure Casing: 646 psig / 12 = 658 psia (Shut-in 7 days)

Shut-In Pressure Tubing: 646 psig / 12 = 658 psia

Flowing Pressure: P : 36 psig / 12 = 48 psia

Working Pressure: P_w : 74 psig / 12 = 86 psia

Temperature: T : 64 °F / 460 = ° absolute

F_{pv} (from tables) : 1.004 Gravity .680 n .85

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

$$= 14.1605 \times 48 \times .9962 \times .9393 \times 1.004 = \underline{639} \text{ MCF/D}$$

$$\text{Open Flow} = A_{of} =$$

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$$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

$$\left[\frac{432,964}{425,568} \right]^n$$

$$= 1.0174^{.85} = QX 1.0148$$

Tested By:

Witnessed By:



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