

OPEN FLOW TEST DATA

Date: April 20, 1964

Operator: SHAW - ALAN OIL CO Lease: JICARILLA R # 1

Location: Sec. 29 - 23N - 2W County: Rio Arriba State: N. M.

Formation: Pictured Butte Pool: SOUTH BLANCO

Casing: 4 1/2 " Set @ 3015 ' Tubing: 1 1/2 " Set @ 3005

Pay Zone: 2942 ' To: 2958 ' Total Depth: 3025

Choke Size: 3/4 TMC " Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing _____ Tubing ■

Shut-in Pressure Casing: 722 psig / 12 = 734 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 720 psig / 12 = 732 psia

Flowing Pressure: P : 95 psig / 12 = 107 psia

Working Pressure: P_w : 158 psig / 12 = 170 psia

Temperature: T : 41 °F / 460 = 501 °Absolute

F_{pv} (from tables) : 1.012 Gravity Esp. 670 n 85

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

$$12.365 \times 107 \times 1.012 \times .9463 \times 1.012 = \underline{1291} \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

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

$$\left[\frac{535,324}{506,924} \right]^n$$

$$= 1.0570 = 1.0482$$

Aof =

1353

MCF/D



Tested By: _____

Witnessed By: _____

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