

OPEN FLOW TEST DATA

Date: August 2, 1962

Operator: Shar-Alan

Lease: Crane Fed. #9

Location: NE1/4, Sec. 32, T. 24 N., R. 1 W.

County: Rio Arriba State: N. Mex.

Formation: P C

Pool: Undesignated

Casing: 4 1/2 " Set @ 3205

Tubing: 1 " Set @ -

Pay Zone: 3108 To: 3113

Total Depth: 3205

Choke Size: 3/4 THC

Choke Constant = C = 12.365

Stimulation Method: _____

Flow Through: Casing _____ Tubing _____

Shut-in Pressure Casing: 735 psig / 12 = 747 psia (Shut-in 8 days)

Shut-in Pressure Tubing: _____ psig / 12 = _____ psia

Flowing Pressure: P : 350 psig / 12 = 362 psia

Working Pressure: P_w : _____ psig / 12 = _____ psia

Temperature: T : 56 °F / 460 = 516 °Absolute

F_{pv} (from tables) : 1.036 Gravity .620 Est n 85

Choke Volume = Q = C x P_t x F_t x F_g x F_{pv}

$$12.365 \times 362 \times 1.0039 \times .9837 \times 1.036 = \underline{4579} \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

$$\left[\frac{P_c^2 - P_w^2}{P_c^2} \right]^{1/n} = \left[\frac{747^2 - 362^2}{747^2} \right]^{1/n}$$

= 1.2554

Aof =

5748 MCF/D

Tested By: D. W. Stiles

Witnessed By: _____



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