

OPEN FLOW TEST DATA

Date: August 1, 1962

Operator: Star-Alco

Lease: Jicarilla No. 1

Location: N.M. Sec. 12, T. 23 N., R. 2 W.

County: San Arriba State, N.M.

Formation: P.C.

Pool: Redesignated

Casing: 4 1/2" Set @ 3323

Tubing: 1" Set @ -

Pay Zone: 3215 To: 3266

Total Depth: 3330

Choke Size: 3/4 TBC

Choke Constant: C = 12.365

Stimulation Method: - Flow Through: Casing X Tubing -

Shut-in Pressure Casing: 864 psig / 12 = 876 psia (Shut-in 8 days)

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

Flowing Pressure: P : 93 psig / 12 = 105 psia

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

Temperature: T : 42 °F / 460 = 482 °Absolute

F_{pv} (from tables) : 1.010 Gravity .620 Est n .85

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

$$12.365 \times \frac{Q}{105} \times 1.0178 \times .9837 \times 1.010 = \underline{1313} \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

$$\left[\frac{P_c^2 - P_w^2}{P_c^2} \right]^{.5} = \left[\frac{876^2 - 105^2}{876^2} \right]^{.5} = \underline{1.0123}$$

Aof =

$$\underline{1329} \text{ MCF/D}$$



Tested By: D. M. Skiles

Witnessed By: -

Gelectric, Inc.

[Signature]