

OPEN FLOW TEST DATA

Date: July 24, 1962
 Operator: Shir-Alon Lease: Peggy Rod. #1
 Location: NE 1/4 Sec. 8, T. 23 N., R. 1 W. County: Rio Arriba State: N. M.
 Formation: P C Pool: Undesignated
 Casing: 4 1/2 " Set @ 3268 Tubing: 1 " Set @ 3217
 Pay Zone: 3150 To: 3237 Total Depth: 3262
 Choke Size: 3/4 THC Choke Constant = C = 12.365
 Stimulation Method: _____ Flow Through: Casing X Tubing _____
 Shut-in Pressure Casing: 854 psig / 12 = 866 psia (Shut-in 8 days)
 Shut-in Pressure Tubing: 854 psig / 12 = 866 psia
 Flowing Pressure: P : 108 psig / 12 = 120 psia
 Working Pressure: P_w : _____ psig / 12 = _____ psia
 Temperature: T : 40 °F / 460 = 500 °Absolute
 F_{pv} (from tables) : 1.012 Gravity .620 Est n .85

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

$$12.365 \times 120 \times 1.0198 \times .9837 \times 1.012 = \underline{1506} \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

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

$$\left[\frac{866^2}{866^2 - 120^2} \right]^n$$

$$\left[\frac{749,956}{735,556} \right]^n = 1.0166$$

Aof =

1531

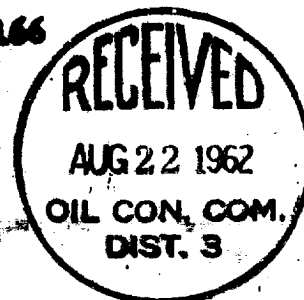
MCF/D

Tested By:

E. W. Stiles

Witnessed By: _____

Geoelectric, Inc.



12/1/62