

OPEN FLOW TEST DATA

Date: MAY 20. 1965

Operator: SEAR ALAN OIL COMPANY

Lease: JICARILLA I # 2

Location: SE 1/4 Section 23 Twp. 23 N RGE 2 W

County: Sandoval State: N.M.

Formation: P.C.

Pool: South Blance

Casing: 4 1/2 " Set @ 3060

Tubing: 1" NUE " Set @ 3020

Pay Zone: 3010 To: 3022

Total Depth: 3065

Choke Size: 3/4 THG

" Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 962 psig / 12 = 974 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 960 psig / 12 = 972 psia

Flowing Pressure: P : 247 psig / 12 = 259 psia

Working Pressure: P_w : 232 psig / 12 = 244 psia

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

F_{pv} (from tables) : _____ Gravity EST. 670 n 85

$$\text{Choke Volume} = Q = C \times P_c^2 \times F_t \times F_g \times F_{pv}$$

$$12.365 \times 259 \times 1.0198 \times .9483 \times 1.033^g$$

$$Q =$$

$$= \underline{3495} \text{ MCF/D}$$

Open Flow - Aof = Q

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

$$= \left[\frac{919.681}{835.581} \right]^n$$

$$= 1.001 - 1.0084$$

$$Aof = \underline{3523} \text{ MCF/D}$$

Tested By: _____

Witnessed By: _____



Donald Burton