

OPEN FLOW TEST DATA

Date: December 16, 1964

Operator: Shar Alan Oil Co.

Lease: Jicarilla R # 3

Location: NW/4 28-23N-2W

County: SJ State: N. M.

Formation: Pictured Cliff

Pool: S. Blanco

Casing: 4 1/8 " Set @ 3160 ' Tubing: 1 " Set @ 3085

Pay Zone: 3082 ' To: 3102 ' Total Depth: _____

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

Stimulation Method: _____ Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 652 psig / 12 = 664 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 0 psig / 12 = 0 psia

Flowing Pressure: P : 116 psig / 12 = 128 psia

Working Pressure: P_w : 116 psig / 12 = 128 psia

Temperature: T : 40 °F / 460 = 500 °Absolute

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

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

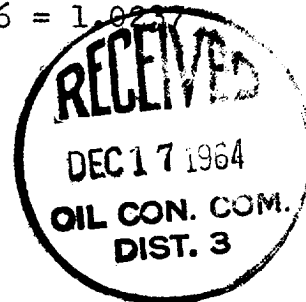
$$12.365 \times 128 \times 1.0198 \times .9463 \times 1.012$$

$$Q = \underline{\underline{1545}} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0386 = 1.0237$$

$$Aof = \underline{\underline{1582}} \text{ MCF/D}$$



Tested By: _____

Witnessed By: _____

GeoLectric, Inc.

B. H. Keyser