

OPEN FLOW TEST DATA

Date: Nov. 10, 1965

Operator: Shar Alan Oil Co Lease: Jicarilla 3X-G

Location: SW/4 Sec. 14 23N 2W County: Rio Arriba State: N. M.

Formation: Pictured Cliff Pool: South Blanco

Casing: 4 1/2 " Set @ 3073 ' Tubing: 1 1/2 " Set @ 3004

Pay Zone: 2988 ' To: 3020 ' Total Depth: 3075

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

Stimulation Method: _____ Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 922 psig / 12 = 934 psia (Shut-in 7 days)

Shut-in Pressure Tubing: 910 psig / 12 = 922 psia

Flowing Pressure: P : 191 psig / 12 = 203 psia

Working Pressure: P_w : _____ psig / 12 = 220 psia Calculated

Temperature: T : 46 °F / 460 = 506 °Absolute

F_{pv} (from tables) : 1.025 Gravity .670 Est n 85

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

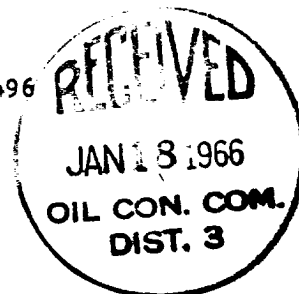
$$12.365 \times 203 \times 1.0137 \times 1.030 \times 1.025$$

$$Q = \underline{\underline{2686}} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{823,956} \right]^{1/n} = 1.0587 = 1.0496$$

$$Aof = \underline{\underline{2819}} \text{ MCF/D}$$



Tested By: _____

Witnessed By: _____

GeoLectric Inc.

B. H. Keyes

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