

OPEN FLOW TEST DATA

Date: January 19, 1966

Operator: International Oil Corporation Lease: MXL #5-B

Location: 6-26N-7W County: Rio Arriba State: N.M.

Formation: Mass Verde Pool: Blanco Mesa Verde

Casing: 7 " Set @ 4350 ' Tubing: 2 " Set @ 4495

Pay Zone: 4410 ' To: 4582 ' Total Depth: 4582

Choke Size: 3/4 ELM " Choke Constant = C = 14.1605

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: _____ psig / 12 = None psia (Shut-in 8 days)

Shut-in Pressure Tubing: 1103 psig / 12 = 1115 psia

Flowing Pressure: P : 113 psig / 12 = 125 psia

Working Pressure: P_w : _____ psig / 12 = 259 psia **Calculated**

Temperature: T : 50 °F / 460 = 510 °Absolute

F_{pv} (from tables) : 1.012 Gravity 620 Est. n 85

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

$$125 \times 14.1605 \times 1.0098 \times .9837 \times 1.012$$

$$Q =$$

$$= \underline{1779} \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

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

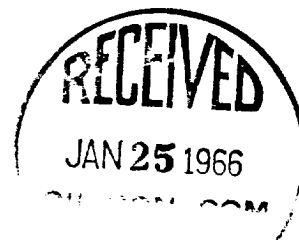
$$\left[\frac{1,243,225}{1,176,144} \right]^n = 1.0570-1.0424$$

Aof =

$$\underline{1854} \text{ MCF/D}$$

Tested By: Burdette Wallace

Witnessed By: _____



Calculated by
Gelectric, Inc.

Bob Rayner