

OPEN FLOW TEST DATA

Date: 2-25-60

Operator: CADOT CARBON Co Lease: HAMBLE FEB A-1

Location: SW/SW 29 - 26N - 2W County: RA State: N. M.

Formation: PICTURED CLIFF Pool: UNDESIGNATED

Casing: 4 1/2 " Set @ 4108 Tubing: 1 1/2 " Set @ 4010

Pay Zone: 3978 To: 4060 Total Depth: 4075

Choke Size: TC 3/4 Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 1025 psig / 12 = 1037 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 1025 psig / 12 = 1037 psia

Flowing Pressure: P : 203 psig / 12 = 215 psia

Working Pressure: P_w : 919 psig / 12 = 931 psia

Temperature: T : 42 °F / 460 = 512 °Absolute

F_{pv} (from tables) : 1.024 Gravity .670 Est n 85

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

$$Q = 12.365 \times 215 \times 1.0178 \times .9463 \times 1.024 = 2622 \text{ MCF/D}$$

$$\text{Open Flow} - Aof = Q$$

$$Aof =$$

$$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.0307$$

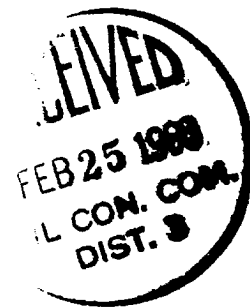
$$\frac{1,075,369}{208,608}$$

$$Aof =$$

$$7946 \text{ MCF/D}$$

Tested By: D W STILES

Witnessed By: BILL PADEN



GEOL. EXP. INC.

B. H. Keays