

OPEN FLOW TEST DATA

Date: December 19, 1966

Operator: Benjamin Elenbogen Lease: Jicarilla A-55 #1

Location: NW/4 Section 35 TWP 23N Rge 3W County: _____ State: _____

Formation: Picture Cliff Pool: South Pallard

Casing: 4 1/2 " Set @ 2913 ' Tubing: 1 1/2 " Set @ 2835

Pay Zone: 2840 ' To: 2850 ' Total Depth: 2950

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

Stimulation Method: Sand-Water Frac Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 644 psig / 12 = 656 psia (Shut-in _____ days)

Shut-in Pressure Tubing: 642 psig / 12 = 654 psia

Flowing Pressure: P : 164 psig / 12 = 176 psia

Working Pressure: P_w : 403 psig / 12 = 415 psia

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

F_{pv} (from tables) : 1019 Gravity .640 n 85

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

$$12.365 \times 176 \times 1.0188 \times .9682 \times 1.019 = \underline{2188} \text{ MCF/D}$$

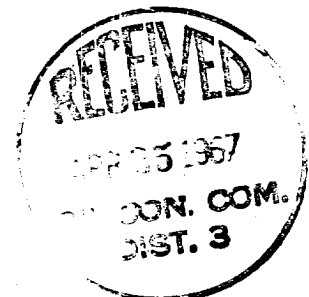
Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{258,111} \right]^{1/n} = 1.6673 = 1.5442$$

$$Aof = \underline{3.378} \text{ MCF/D}$$

Tested By: _____

Witnessed By: _____



Shirley P. ...