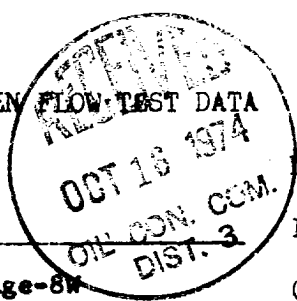


OPEN FLOW TEST DATA



Operator: William C. Russell Date: 9/25/74
 Location: Sec. 26, Twnshp-27N, Rge-8W Lease: Hammond 55
 Formation: Blanco Mesa Verde County: San Juan State: N.M.
 Pool: Blanco Mesa Verde
 Casing: 4 1/2 " Set @ 4580 ' Tubing: 1 1/2 " Set @ 4430 '
 Pay Zone: 4400 ' To: 4508 ' Total Depth: 4650 '
 Choke Size: 3/4 THC " Choke Constant = C = 12.365

Stimulation Method: SWF Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 796 psig / 12 = 808 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 796 psig / 12 = 808 psia

Flowing Pressure: P : 453 psig / 12 = 465 psia

Working Pressure: P_w : 112 psig / 12 = 124 psia

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

F_{pv} (from tables) : 1.017 Gravity Est. 690 n .75

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

$$12.365 \times 124 \times 1.0198 \times .9325 \times 1.017$$

$$Q = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\hspace{2cm}}$$

$$Aof = \left[\frac{652,864}{436,639} \right]^n = \underline{1.4952}$$

Aof = 3521 MCF/D

Tested By: Robert C. Dintelman

Witnessed By: _____

B. H. Keyser
GeoElectric, Inc.