

OPEN FLOW TEST DATA

Date: 12/14/73  
 Operator: Wynn Oil Company Lease: Largo Federal #4 F  
 Location: Sec. 11, T-27N, Rge 8W County: San Juan State: N.M.  
 Formation: Chacra Pool: Undesignated Chacra  
 Casing: 4.5 " Set @ 3960 ' Tubing: 1.275 " Set @ 3895  
 Pay Zone: 3883 ' To: 3900 ' Total Depth: 3960 PB 3906  
 Choke Size: 3/4 THC " Choke Constant = C = 12.365

Stimulation Method: \_\_\_\_\_ Flow Through: Casing \_\_\_\_\_ Tubing X

Shut-in Pressure Casing: 1063 psig / 12 = 1075 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 1063 psig / 12 = 1075 psia

Flowing Pressure: P : 103 psig / 12 = 115 psia

Working Pressure: P<sub>w</sub> : 498 psig / 12 = 510 psia

Temperature: T : 60 °F / 460 = 520 °Absolute

F<sub>pv</sub> (from tables) : 1.013 Gravity Est. .670 n 85

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

$$12.365 \times 115 \times 1.000 \times .9463 \times 1.013$$

$$Q = \underline{\underline{1363}} \text{ MCF/D}$$

Open Flow - Aof = Q

$$\text{Aof} = \left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1,155,625}{946,525} = 1.2209 = 1.1614$$

Aof = 1583 MCF/D

Tested By: R. C. Dintelman

Witnessed By: \_\_\_\_\_



GeoElectric, Inc.

*B + 1 K... met*  
*Agent*