

OPEN FLOW TEST DATA

Date: February 8, 1966
 Operator: Shar Alan Oil Company Lease: Jicarilla L #4
 Location: NW/4 Sec. 15-TWP 23N Rge. 2W County: Rio Arriba State: N. Mexico
 Formation: PC Pool: South Blanco Pool
 Casing: 4 1/2 " Set @ 3070 ' Tubing: 1 1/2 " Set @ 3006
 Pay Zone: 3010 ' To: 3044 ' Total Depth: 3075
 Choke Size: 3/4 THC " Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 961 psig / 12 = 973 psia (Shut-in 7 days)

Shut-in Pressure Tubing: 960 psig / 12 = 973 psia

Flowing Pressure: P : 104 psig / 12 = 116 psia

Working Pressure: P_w : 276 psig / 12 = 288 psia

Temperature: T : 54 °F / 460 = 514 °Absolute

F_{pv} (from tables) : 1.013 Gravity .670 Est n 85

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

$$12.365 \times 116 \times 1.0058 \times .9463 \times 1.013 = \underline{1383} \text{ MCF/D}$$

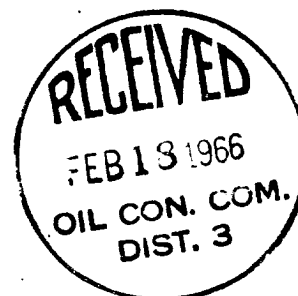
Open Flow - Aof = Q

$$Aof = \frac{P_c^2 - P_w^2}{\frac{944,784}{861,840}} = 1.0962 = 1.0812$$

$$Aof = \underline{1495} \text{ MCF/D}$$

Tested By: _____

Witnessed By: _____



GeoLectric, Inc.

B. H. H. H.