

OPEN FLOW TEST DATA

Date: 4/15/72

Operator: Wynn & Brooks Lease: Federal J #1

Location: B Sec. 11, T-27N Rge. 8W County: San Juan State: N.M.

Formation: Blanco Mesa Verde Pool: Blanco Mesa Verde

Casing: 4.5 " Set @ 5432 ' Tubing: 1.25 " Set @ 5289

Pay Zone: 3915 ' To: 3917 ' Total Depth: 5432 PBTD 5410

Choke Size: 34" THC " Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing _____ Tubing _____

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

Shut-in Pressure Tubing: 1039 psig / 12 = 1051 psia

Flowing Pressure: P : 114 psig / 12 = 126 psia

Working Pressure: P_w : _____ psig / 12 = _____ psia

Temperature: T : 47 °F / 460 = 507 °Absolute

F_{pv} (from tables) : 1.011 Gravity Est. .620 n 75

Choke Volume = Q = C x P_t x F_t x F_g x F_{pv}

12.365 X 126 X 1.0127 X .9837 X 1.01 = 1569 MCF/D

Open Flow - Aof = Q

$$Aof = \frac{\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n}{1,104,601} = \frac{(75)}{1.0146} = 1.0109$$

Aof = 1586 MCF/D

Tested By: Robert C. Dintelman

Witnessed By: _____



Calculated By
GeoElectric, Inc.