

OPEN FLOW TEST DATA

Date: September 7, 1962

Operator: Tidewater Oil Co.

Lease: Campbell Fed. #1

Location: 15-27N-12W

County: San Juan State: N. Mex.

Formation: Dakota

Pool: Basin Dakota

Casing: _____ " Set @ 6244

Tubing: _____ " Set @ 6742

Pay Zone: 6071 To: 6077

Total Depth: PR 6245

Choke Size: 3/4 BM

Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 1860 psig / 12 = 1872 psia (Shut-in 1 days)

Shut-in Pressure Tubing: 1960 psig / 12 = 1972 psia

Flowing Pressure: P : 49 psig / 12 = 61 psia

Working Pressure: P_w : 370 psig / 12 = 382 psia

Temperature: T : 50 °F / 460 = 510 °Absolute

F_{pv} (from tables) : 1.011 Gravity .700 Est n 85

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

12.365 x 61 x 1.0098 x .9258 x 1.011 = 713 MCF/D

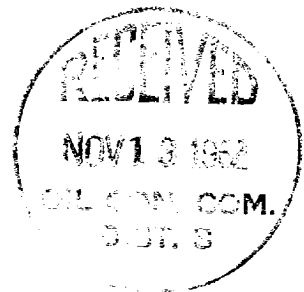
Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - 1872^2}{P_c^2 - P_w^2 - 382} \right]^n = 1.0434 = 1.0323$$

Aof = 736 MCF/D

Tested By: D. W. Stiles

Witnessed By: _____



Geolectric, Inc.

B. H. Keyes