

OPEN FLOW TEST DATA

Date: 2/1/63

Operator: Tidewater Oil Co. Lease: Wright #1

Location: 13-30-12W County: San Juan State: Mex.

Formation: Dakota Pool: Basin Dakota

Casing: 4 1/2 " Set @ 6732 ' Tubing: 2 " Set @ _____

Pay Zone: _____ ' To: _____ ' Total Depth: 6732

Choke Size: 3/4 B L M " Choke Constant = C = 14.1605

Stimulation Method: _____ Flow Through: Casing _____ Tubing x

Shut-in Pressure Casing: 2055 psig / 12 = 2067 psia (Shut-in 13 days)

Shut-in Pressure Tubing: 2055 psig / 12 = 2067 psia

Flowing Pressure: P : 109 psig / 12 = 121 psia

Working Pressure: P_w : 490 psig / 12 = 502 psia

Temperature: T : 72 °F / 460 = 532 °Absolute

F_{pv} (from tables) : 1.011 Gravity .650 Est n 75

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

$$Q = 14.1605 \times 121 \times .9887 \times .9608 \times 1.011 = 1646 \text{ MCF/D}$$

$$\text{Open Flow} - A_{cf} = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

$$A_{of} = \left[\frac{4,272,489}{4,020,485} \right]^n = 1.0627 = 1.0466$$

$$A_{of} = 1723 \text{ MCF/D}$$

Tested By: D. V. Stiles

Witnessed By: _____

GeoElectric, Inc.



B. H. Keyes

