OPEN FLOW TEST DATA

Date: FEBRUARY 22, 1960

Operator: TENNESSEE GAS & TRANSMISSION CO. Lease: BURGER # 5

Location: 14 - 26N - 11W County: SAN JUAN State: N.M.

Formation: DAKOTA Pool: UNDESIGNATED

Casing: 7 " Set @ 6450 ' Tubing: 2 " Set @ 6272 '

Pay Zone: 6270 ' To: 6400 ' Total Depth: 6490 P B 6427 '

Choke Size: THORNHILL CRAVER 3/4 " Choke Constant = C = 12.365

Stimulation Method: S W F Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: _____ psig + 12 = _____ psia (Shut-in 7 days)

Shut-in Pressure Tubing: 1955 psig + 12 = 1967 psia

Flowing Pressure: P : 462 psig + 12 = 474 psia

Working Pressure: P_w : _____ psig + 12 = 1031 psia CALCULATED

Temperature: T : 40 °F + 460 = 500 °Absolute

F_{pv} (from tables) : _____ Gravity .670 Est. n .75

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

$Q = 12.365 \times 474 \times 1.0198 \times .9463 \times 1.062 =$ 6007 MCF/D

Open Flow - Aof = $Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$

Aof = $\left(\frac{3,869,089}{2,806,128} \right)^n = 1.2724$

Aof = 7643 MCF/D

Tested By: B.H. KEYES

Witnessed By: _____

GEOLECTRIC, INC.

B H Keyes

AGENT