OPEN FLOW TEST DATA

Date: February 24, 1960

Operator: Tennessee Gas & Transmission Co. Lease: Callow # 12

Location: C 33 - 29N - 13W County: San Juan State: N.M.

Formation: Dakota Pool: Undesignated

Casing: 7 " Set @ 6341 ' Tubing: 2 " Set @ 6104 '

Pay Zone: 6140 ' To: 6266 ' Total Depth: 6368 P B 6298 '

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: 2020 psig + 12 = 2032 psia

Flowing Pressure: P : 390 psig + 12 = 402 psia

Working Pressure: P_w : _____ psig + 12 = 863 psia Calculated

Temperature: T : 44 °F + 460 = 504 °Absolute

F_{pv} (from tables) : 1.064 Gravity .720 Est. n .75

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

Q = 12.365 x 402 x 1.0157 x .9129 x 1.064 = 4904 MCF/D

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

Aof = $\left(\frac{4,129,024}{3,394,255}\right)^n$ = 1.1609

Aof = 5693 MCF/D

RECEIVED
MAR 3 1960
OIL CON. COM.
DIST. 3

Tested By: B.H. Keyes

Witnessed By: _____

Geolectric, Inc.
B H Keyes
Agent

RECEIVED
FEB 29 1960
T.G.O. PRODUCTION
DURANGO, COLO.