OPEN FLOW TEST DATA

Date: Dec. 29, 1959

Operator: TENNESSEE GAS TRANSMISSION CO

Lease: CLYDE B GARTNER # 1

Location: D SEC 27 TWP 26N RGE 11W

County: SJ State: NEW MEX.

Formation: DAKOTA

Pool: UNDESIGNATED

Casing: 4½ " Set @ 6135 ' Tubing: 2 3/8 " Set @ 5940 '

Pay Zone: 5918 ' To: 6080 ' Total Depth: 6101 '

Choke Size: 3/4 T H C " Choke Constant = C = 12.365

Stimulation Method: Flow Through: Casing Tubing X

Shut-in Pressure Casing: 1995 psig + 12 = 2007 psia (Shut-in 5 days)

Shut-in Pressure Tubing: 1995 psig + 12 = 2007 psia

Flowing Pressure: P : 550 psig + 12 = 562 psia

Working Pressure: P_w : 1204 psig + 12 = 1216 psia

Temperature: T : 64 °F + 460 = 524 °Absolute

F_{pv} (from tables) : 1.077 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 562 x .9962 x .9129 x 1.077 6806 MCF/D

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

Aof = $\left(\frac{4,028,049}{2,549,393}\right)^n$ = 1.4092

Aof = 9591 MCF/D

Tested By: D W STILES

Witnessed By: BILL SHOGER

GEOLECTRIC, INC.

B H Reyer

RECEIVED FEB 8 1960 OIL CON. COM. DIST. 3

1959
TRICT