

OPEN FLOW TEST DATA

Date: Dec. 29, 1959

Operator: WESTERN NATURAL GAS CO

Lease: SCHLOSSER FED. # 1

Location: SEC 10 Twp 27N R2E 11W

County: SAN JUAN State: N M

Formation: DANOTA

Pool: UNDERIGNATED

Casing: 7 " Set @ 6828

Tubing: " Set @

Pay Zone: 6630 ' To: 6600

Total Depth: ' Total

Choke Size: 3/4 T H C

" Choke Constant = C = 12.365

Stimulation Method: SNF

Flow Through: Casing Tubing X

Shut-in Pressure Casing: psig / 12 = psia (Shut-in 8 days)

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

Flowing Pressure: P : 308 psig / 12 = 320 psia

Working Pressure: P_w : psig / 12 = 692 psia **CALCULATED**

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

F_{pv} (from tables) : 1.045 Gravity .720 EST n 75

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

Q 12.365 x 320 x 1.0098 x .9129 x 1.045 3812 MCF/D

Open Flow - Aof = Q

Aof =

$$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

= 1.1035

Aof =

4207

MCF/D

Tested By: D W STILES

Witnessed By:



GeoElectric, Inc.

B. H. Hayes