OPEN FLOW TEST DATA

Date: 6-22-62

Operator: Union Texas Pet. Corp. Lease: NMA

Location: SE/NE 16-29-12 County: San Juan State: N. Mex.

Formation: Dakota Pool: Basin Dakota

Casing: 4½ " Set @ 6462 ' Tubing: 2 " Set @ 6353

Pay Zone: 6358 ' To: 6360 ' Total Depth: 6422

Choke Size: 3/4 THC " Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 2095 psig + 12 = 2107 psia (Shut-in 7 days)

Shut-in Pressure Tubing: 2100 psig + 12 = 2112 psia

Flowing Pressure: P : 294 psig + 12 = 306 psia

Working Pressure: P_w : 765 psig + 12 = 777 psia

Temperature: T : 84 °F + 460 = 544 °Absolute

F_{pv} (from tables) : 1.027 Gravity .650 Est. n 85

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

$Q = 12.365 \times 306 \times .9777 \times .9608 \times 1.027$ = 3651 MCF/D

Open Flow - Aof = Q $\left(\frac{P_c^2 \cdot 2112}{P_c^2 - P_w^2 \cdot 777} \right)^n$

Aof = $\left(\frac{4,460,544}{3,856,815} \right)^n = (1.1565)^{.85} = 1.1520$

Aof = 4,072 MCF/D

RECEIVED
JUN 29 1962
OIL CON. COM.
DIST. 3

Tested By: D. W. Stiles

Witnessed By: Don Taylor

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