OPEN FLOW TEST DATA

Date: SEPT 1[illegible], 1958

Operator: MONSANTO CHEMICAL CO Lease: N E P # 1 K

Location: 23-3 N-12W County: SJ State: NM

Formation: DAKOTA Pool: DAKOTA PC

Casing: 5½ " Set @ 6565 ' Tubing: 2 " Set @ 6206 '

Pay Zone: 6220 ' To: 6408 ' Total Depth: 6569 '

Choke Size: 3/4" " Choke Constant = C = 14.1605

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

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

Shut-In Pressure Tubing: 1841 psig + 12 = 1853 psia

Flowing Pressure: P : 96 psig + 12 = 108 psia

Working Pressure: P_w : _____ psig + 12 = 245 psia (CALCULATED)

Temperature: T : 70 °F + 460 = 530 ° Absolute

F_{pv} (from tables) : 1.010 Gravity .670 Est n .75

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

Q = 14.1605 x 108 x .9905 x .9463 x 1.010 = 1448 MCF/D

Open Flow = Aof = Q 1448 $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$

Aof = 1448 $\left[\frac{3,433,609}{3,373,571}\right]^n$ $(1.0178)^{.75}$ = 1.0133

Aof = 1467 MCF/D

Tested By: GEOLECTRIC, INC.

Witnessed By: _____

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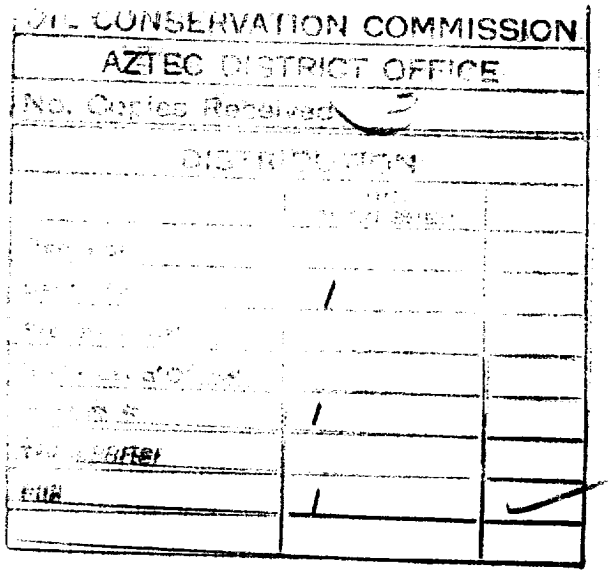
DIST. 3

_____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