

Lease: Horton # 2

County: SAN JUAN State: N.M.

Pool: BLAKE M V

Casing: 5 1/2 " Set @ 4700 ' Tubing: 2 " Set @ 2500

Pay Zone: 5036 ' To: 5634 ' Total Depth: 5726

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

Stimulation Method: _____ Flow Through: Casing _____ Tubing ☒

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

Shut-in Pressure Tubing: 904 psig / 12 = 916 psia

Flowing Pressure: P : 116 psig / 12 = 12 psia

Working Pressure: P_W : _____ psig $\div 12 =$ 200 psia **CALCULATED**

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

F_{pv} (from tables) : 1.014 Gravity .670 Est. n 75

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

$$14.1605 \times 120 \times 1.0097 \times .9463 \times 1.014 = 1796$$

NCF/D

$$\text{Open Flow} - \text{Aof} = Q$$

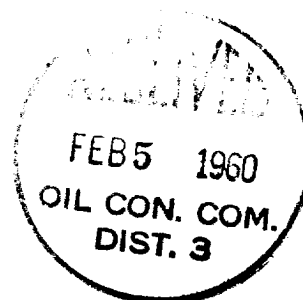
Aof =

Aof =

$$\left[\begin{array}{c} P_C^2 \\ P_C^2 - P_W^2 \\ 839,026 \\ 755,535 \end{array} \right]^n = 1.0010$$

Tested By: **D.N. STILSON**

Witnessed By: _____



Carlsonic, Inc.

1997

[illegible]