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Lease: 7/2, 6/4, 1/1

County: **SAN JUAN** State: **N M**

Pool: ~~Undesignated~~ Undesignated Dakota

Casing: 7 " Set @ 6262 ' Tubing: 2 " Set @ 6100 '

Pay Zone: \_\_\_\_\_ ' To: \_\_\_\_\_ ' Total Depth: \_\_\_\_\_'

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

Stimulation Method: SWF Flow Through: Casing        Tubing X

Shut-in Pressure Casing: \_\_\_\_\_ psig  $\div 12$  = \_\_\_\_\_ psia (Shut-in 2 days)

Shut-in Pressure Tubing: 1905 psig / 12 = 1917 psia

Flowing Pressure: P : 330 psig / 12 = 342 psia

Working Pressure:  $P_w$  : \_\_\_\_\_ psig  $\div 12 =$  750 psia **CALCULATED**

Temperature: T : 71 °F / 460 = 531 °Absolute

F<sub>pv</sub> (from tables) : 1.040 Gravity .590 Est n .75

$$\text{Choke Volume} = Q = \frac{C \times P_t \times F_t \times F_g \times F_{pv}}{14.1605 \times 342 \times .98\% \times .9328 \times 1.040} = \frac{4648}{\text{MCF/D}}$$

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

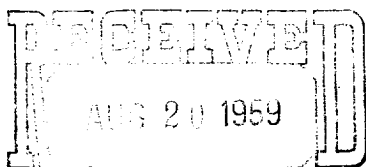
$$\text{Aof} = \frac{P_c^2 - P_w^2}{5,264} = 1.1326$$

$$\text{Aof} = \frac{5,264}{\text{MCF/D}}$$

Tested By: GELECTRIC, INC.

Witnessed By: \_\_\_\_\_

B. H. Keger



DURANGO DISTRICT

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