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OPEN FLOW TEST DATA

Date: Nov. 10, 1965Operator: Shar Alan Oil CoLease: Jicarilla N # 1Location: NE 1/4 Sec 22 23N 2WCounty: Rio Arriba State: N. M.Formation: Pictured CliffPool: South BlancoCasing: 5 1/2 " Set @ 3100 ' Tubing: 2 3/8 " Set @ 3022Pay Zone: 3034 ' To: 3044 ' Total Depth: 3110Choke Size: 3/4 THG " Choke Constant = C = 12.365Stimulation Method: _____ Flow Through: Casing _____ Tubing xShut-in Pressure Casing: 852 psig / 12 = 864 psia (Shut-in _____ days)Shut-in Pressure Tubing: 842 psig / 12 = 854 psiaFlowing Pressure: P : 212 psig / 12 = 224 psiaWorking Pressure: P_w : 621 psig / 12 = 633 psiaTemperature: T : 47 °F / 460 = 507 °AbsoluteF_{pv} (from tables) : 1.025 Gravity .670 est. n 85

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

$$12.365 \times 224 \times 1.0127 \times 1.030 \times 1.025$$

$$Q = \underline{\hspace{2cm}} = \underline{2961} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \left[\frac{729,316}{328,627} \right]^n = 2.2193 = 1.9692$$

$$Aof = \underline{\hspace{2cm}} = \underline{5831} \text{ MCF/D}$$

Tested By: _____

Witnessed By: _____



GEOELECTRIC, INC.