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Date: May 29, 1956

Lease: Wilson # 7

County: Rio Arriba State: N.M.

Pool: Mesa Verde

Tubing: 2 " Set C 6123

Total Depth: 6150 c/o - 6135 ;

Choke Constant = C = 14.1605

Stimulation Method: Sand Water Frac. Flow Through: Casing Tubing X

Shut-In Pressure Casing: 1045 psig / 12 = 1057 psia (Shut-in 13 days)

Shut-In Pressure Tubing: 1033 psig $\div 12 =$ 1045 psia

Flowing Pressure: P : 381 psig / 12 = 393 psia

Working Pressure: P_w : 893 psig $\div 12 =$ 905 psia

Temperature: T : 80 °F / 460 = 540 ° Absolute

F_{pv} (from tables) : 1.037 Gravity .671 n .75

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

$$= \frac{14.1605 \times 393 \times .9813 \times .9463 \times 1.037}{5359} \text{ MCF/D}$$

$$\text{Open Flow} = A_{of} = Q$$

$$\frac{P_c^2}{P_c^2 - P_w^2}$$

Aof = 5359

$$\left[\begin{array}{r} 1,117,249 \\ \hline 298,224 \end{array} \right] n$$

$$= 3.7463 \cdot 75 \times Q = 2.800 Q$$

Aof =

14,416

MCF/D

Tested By: K. C. McBride

Witnessed By: _____



L. D. Galloway

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