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Date: April 20, 1956

Lease: Newberry # 6

County: San Juan State: N.M.

Pool: Blanco Mesa Verde

Tubing: 2 " Set @ 5053'

Total Depth: 5090

Choke Constant = C = 14.1605

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

Shut-In Pressure Casing: 1073 psig / 12 = 1085 psia (Shut-in 14 days)

Shut-In Pressure Tubing: 1070 psig / 12 = 1082 psia

Flowing Pressure: P : 461 psig / 12 = 473 psia

Working Pressure: P_w : 931 psig / 12 = 943 psia

Temperature: T : 75 °F / 460 = 535 ° Absolute

F_{pv} (from tables) : 1.052 Gravity 0.690 n 0.750

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

$$= 14.1605 \times 473 \times .9859 \times .9325 \times \frac{6478}{1.052} \text{ MCF/D}$$

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

$$\frac{P_C^2}{P_C^2 - P_W^2}$$

Aof = 6478

$$\left[\frac{1,177,225}{287,976} \right]^n = 4.0879 \cdot 75 = 2.875$$

Aof = 18.624 MCF/D

Tested By: Tom Grant and Kenneth McBride

Witnessed By: _____



L. D. Galloway

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