

# OPEN FLOW TEST DATA

Date: June 22, 1956

Operator: El Paso Natural Gas Company

Lease: San Juan 28-6 Unit # 57

Location: 1650'S, 1125'W, Sec. 13-28-6

County: Rio Arriba State: N.M.

Formation: Mesa Verde

Pool: Blanco Mesa Verde

Casing: 5 1/2 " Set @ 5655

Tubing: 2 3/8 " Set @ 5499

Pay Zone: 5054 To: 5592

Total Depth: 5660 - c/o - 5600

Choke Size: .750

Choke Constant = C = 14,1605

Stimulation Method: Sand Water Frac.

Flow Through: Casing \_\_\_\_\_ Tubing X

Shut-In Pressure Casing: 1086 psig / 12 = 1098 psia (Shut-in 13 days)

Shut-In Pressure Tubing: 1083 psig / 12 = 1095 psia

Flowing Pressure: P : 431 psig / 12 = 443 psia

Working Pressure: P<sub>w</sub> : 915 psig / 12 = 927 psia

Temperature: T : 87 °F / 460 = 547 ° Absolute

F<sub>pv</sub> (from tables) : 1.042 Gravity .674 n .75

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

$$Q = 14.1605 \times 443 \times .9750 \times .9463 \times \frac{1}{1.042} = \underline{6031} \text{ MCF/D}$$

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

$$\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

$$Aof = 6031$$

$$\left[ \frac{1,205,604}{346,275} \right]^n$$

$$= (3.482)^{.75} \times 6031 = 2.948 \times 6031$$

$$Aof =$$

$$\underline{15,367}$$

$$\text{MCF/D}$$

Tested By: K. C. McBride and R. A. Ullrich

Witnessed By: C. R. Wagner (Pacific Northwest)

L. D. Galloway

# OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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