

OPEN FLOW TEST DATA

Date: June 19, 1956

Operator: El Paso Natural Gas Company

Lease: San Juan 28-7 Unit # 58

Location: 1650'S, 1800'W, Sec. 29-28-7

County: San Juan State: N.M.

Formation: Mesa Verde

Pool: Blanco Mesa Verde

Casing: 5½ " Set @ 5109 '

Tubing: 2 " Set @ 5097 '

Pay Zone: 4397 ' To: 5076 '

Total Depth: 5109 - c/o - 5085 '

Choke Size: 3/4 "

Choke Constant = C = 14.1605

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

Shut-In Pressure Casing: 1065 psig / 12 = 1077 psia (Shut-in 7 days)

Shut-In Pressure Tubing: 1063 psig / 12 = 1075 psia

Flowing Pressure: P : 450 psig / 12 = 462 psia

Working Pressure: P_w : 761 psig / 12 = 773 psia

Temperature: T : 83 °F / 460 = 543 ° Absolute

F_{pv} (from tables) : 1.050 Gravity .70 n .75

Choke Volume = Q = C x P_t x F_t x F_g x F_{pv}

$$Q = 14.1605 \times 462 \times .9786 \times .9258 \times \frac{1}{1.050} = \underline{6223} \text{ MCF/D}$$

Open Flow = Aof = Q

Aof = 6223

$$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = (2.062)^{.75} \times 6223 = 1.721 \times 6223$$

Aof = 10,710 MCF/D

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

Witnessed By: _____



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