

OPEN FLOW TEST DATA

Date: May 31, 1956

Operator: El Paso Natural Gas Company

Location: 980'S, 1000'W, Sec. 13-28-7

Formation: Mesa Verde

Casing: 7 " Set 3525

Pay Zone: 5072 To: 5616

Choke Size: 0.750 "

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

Shut-In Pressure Casing: 1076 psig $\div 12 =$ 1088 psia (Shut-in 8 days)

Shut-In Pressure Tubing: 1060 psig $\div 12 =$ 1072 psia

Flowing Pressure: P : 315 psig / 12 = 327 psia

Working Pressure: P_w : 788 psig $\div 12 =$ 800 psia

Temperature: T : 79 °F / 460 = 539 ° Absolute

F_{ny} (from tables) : 1.029 Gravity 0.650 n 0.750

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

$$= \frac{14.1605 \times 327 \times .9822 \times .9608}{1.029} = \underline{4497} \text{ MCF/D}$$

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

$$\text{Aof} = 4497 \quad \left[\begin{array}{r} 1,183,744 \\ 543,744 \end{array} \right]^n = 1.792 \times 4497$$

Ref = 8059 MCF/D

Tested By: Tom Grant

Witnessed By: _____

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