

OPEN FLOW TEST DATA

Date: May 2, 1956
 Operator: El Paso Natural Gas Company Lease: Jones # 4-A
 Location: 990'N, 1830'E, Sec. 13-28-8 County: San Juan State: N.M.
 Formation: Mesa Verde Pool: Blanco Mesa Verde
 Casing: 5 1/2 " Set @ 5360 ' Tubing: 2 " Set @ 5302 '
 Pay Zone: 4656 ' To: 5312 ' Total Depth: 5365 '
 Choke Size: 0.750 " Choke Constant = C = 14.1605
 Stimulation Method: Water Frac. Flow Through: Casing _____ Tubing X
 Shut-In Pressure Casing: 1060 psig / 12 = 1072 psia (Shut-in 13 days)
 Shut-In Pressure Tubing: 1050 psig / 12 = 1062 psia
 Flowing Pressure: P : 402 psig / 12 = 414 psia
 Working Pressure: P_w : 863 psig / 12 = 875 psia
 Temperature: T : 78 °F / 460 = 538 ° Absolute
 F_{pv} (from tables) : 1.049 Gravity 0.710 n 0.750

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

$$= 14.1605 \times 414 \times .9831 \times .9193 \times \frac{1}{1.049} = 5558 \text{ MCF/D}$$

Open Flow = Aof = Q

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

82-52-34-10-2

$$\left[\frac{1,149,184}{383,559} \right]^n$$

$$= 2.276 \times 5558$$

Aof =

12,650

MCF/

Tested By: Tom Grant

Witnessed By: _____



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