

OPEN FLOW TEST DATA

Date: June 26, 1956
 Operator: El Paso Natural Gas Company
 Location: 990'N, 990'E, Sec. 23-28-7
 Formation: Mesa Verde
 Casing: 5 1/2 " Set @ 5828
 Pay Zone: 5064 To: 5708
 Choke Size: .75
 Stimulation Method: Sand Water Frac. Flow Through: Casing Tubing X
 Shut-In Pressure Casing: 1057 psig / 12 = 1069 psia (Shut-in 10 days)
 Shut-In Pressure Tubing: 989 psig / 12 = 1001 psia
 Flowing Pressure: P : 306 psig / 12 = 318 psia
 Working Pressure: P_w : 752 psig / 12 = 764 psia
 Temperature: T : 78 °F / 460 = 538 ° Absolute
 F_{pv} (from tables) : 1.028 Gravity .650 n .75
 Lease: San Juan 28-7 Unit # 50
 County: Rio Arriba State: N.M.
 Pool: Blanco Mesa Verde
 Tubing: 2 3/8 " Set @ 5725
 Total Depth: 5828 - a/o - 5730
 Choke Constant = C = 14.1605

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

$$Q = 14.1605 \times 318 \times .9831 \times .9608 \times \frac{1}{1.028} = 4.372 \text{ MCF/D}$$

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

$$Aof = 4372$$

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

$$\left[\frac{1,142,761}{559,065} \right]^n$$

$$= (2.044)^{.75} \times 4372 = 1.709 \times 4372$$

$$Aof =$$

$$7.472$$

$$\text{MCF/D}$$

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

Witnessed By:



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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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