

OPEN FLOW TEST DATA

Date: June 1, 1956
 Operator: El Paso Natural Gas Company Lease: Jicarilla # 2-E
 Location: 890'S, 1550'E, Sec. 19-25-4 County: Rio Arriba State: N.M.
 Formation: Pictured Cliff Pool: Wildcat
 Casing: 5 1/2 " Set @ 3660 ' Tubing: 2 " Set @ 3568 '
 Pay Zone: 3572 ' To: 3632 ' Total Depth: 3660' - c/o - 3650 '
 Choke Size: .750 " Choke Constant = C = 14.1605
 Stimulation Method: Sand Water Frac. Flow Through: Casing _____ Tubing X
 Shut-In Pressure Casing: 1023 psig / 12 = 1035 psia (Shut-in 14 days)
 Shut-In Pressure Tubing: 1023 psig / 12 = 1035 psia
 Flowing Pressure: P : 344 psig / 12 = 356 psia
 Working Pressure: P_w : 843 psig / 12 = 855 psia
 Temperature: T : 61 °F / 460 = 521 ° Absolute
 F_{pv} (from tables) : 1.037 Gravity .665 n .85

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

$$Q = 14.1605 \times 356 \times .9990 \times .9498 \times \frac{1.037}{1.037} = 4960 \text{ MCF/D}$$

$$\text{Open Flow} = Aof = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

$$Aof = 4960 \left[\frac{1,071,225}{340,200} \right]^n = 4960 (3.1488)^{.85} = 4960 \times 2.605$$

$$Aof = 13,144 \text{ MCF/D}$$

Tested By: H. L. Kendrick

Witnessed By: _____



I. D. Galloway

OIL CONSERVATION COMMISSION
ATLANTIC DISTRICT OFFICE

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