

OPEN FLOW TEST DATA

Date: May 14, 1956

Operator: El Paso Natural Gas Company

Lease: Jicari-la #1-E

Location: 1580N, 1040E, 19-25-4

County: Rio Arriba State: N. M.

Formation: Pictured Cliff

Pool: Wildcat

Casing: 5 1/2 " Set @ 3715 '

Tubing: 2 " Set @ 3637 '

Pay Zone: 3646 ' To: 3688 '

Total Depth: 3715 '

Choke Size: 0.750 "

Choke Constant = C = 14.1605

Stimulation Method: Water Frac

Flow Through: Casing Tubing x

Shut-In Pressure Casing: 1025 psig / 12 = 1037 psia (Shut-in 10 days

Shut-In Pressure Tubing: 1025 psig / 12 = 1037 psia

Flowing Pressure: P : 367 psig / 12 = 379 psia

Working Pressure: P_w : 887 psig / 12 = 899 psia

Temperature: T : 52° °F / 460 = 512 ° Absolute

F_{pv} (from tables) : 1.051 Gravity 718 n 0.850

$$\text{Choke Volume} = Q = \frac{14.1605 \times 379 \times 1.0078 \times .9535 \times 1.051}{C \times P_t \times F_t \times F_g \times F_{pv}} = \underline{\underline{5420}} \text{ MCF/D}$$

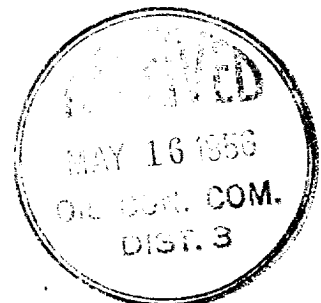
$$\text{Open Flow} = Aof = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

$$Aof = \left[\frac{1,075,369}{267,168} \right]^{.85} = 4.025 = 3.262$$

$$Aof = \underline{\underline{17,680}} \text{ MCF/D}$$

Tested By: T. B. Grant

Witnessed By:



L. D. Galloway

OIL CONSERVATION COMMISSION

ATTENTION: OIL CONSERVATION

No. 0001-10

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