

OPEN FLOW TEST DATA

Date: June 26, 1956

Operator: Amerada Petroleum Corporation

Lease: Jicarilla Apache # B-8

Location: 990'S, 990'E, Sec. 30-24-5

County: Rio Arriba State: N.M.

Formation: Pictured Cliff

Pool: C tero

Casing: 5 1/2 " Set in 2185'

Tubing: 2 3/8 " Set C 2069

Pay Zone: 2133 ' To: 2145
2085 ' 2096 '

Total Depth: 2185

Choke Size: 3/4

Choke Constant = C = 14.1605

Stimulation Method: Sand Water Frac.

Flow Through: Casing _____ Tubing X

Shut-In Pressure Casing: 722 psig / 12 = 734 psia (Shut-in days)

Shut-In Pressure Tubing: 722 psig / 12 = 734 psia

Flowing Pressure: P : 188 psig / 12 = 200 psia

Working Pressure: P_w : 387 psig / 12 = 399 psia

Temperature: T : 71 °F / 460 = 531 ° Absolute

F_{pv} (from tables) : 1.019 Gravity 0.660 n .85

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

$$= \frac{14.1605 \times 200 \times .9896 \times .9535}{1.019} = \underline{2724} \text{ MCF/D}$$

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

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

Ref = 2724

$$\left[\begin{array}{r} 538,756 \\ 379,555 \end{array} \right] n$$

$$\bullet (1.4194)^{.85} Q = Q (1.3465)$$

Def =

3,668

ECF/2

Tested By: D. C. Adams

Witnessed By: H. E. Hegwood (Amerada)

cc: Amerada (2)



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