

OPEN FLOW TEST DATA

Date: July 7, 1956

Operator: Benson-Montin-Greer

Lease: Sheets # 8

Location: 790'S, 1485'W, Sec. 31-26-7

County: Rio Arriba State: N.M.

Formation: Pictured Cliff

Pool: Ballard Pictured Cliff

Casing: 5½ " Set 2761 '

Tubing: 1 " Set 2771 '

Pay Zone: 2687 ' To: 2784 '

Total Depth: 2784 '

Choke Size: 0.750 "

Choke Constant = C = 14.1605

Stimulation Method: Sand Oil Frac.

Flow Through: Casing X Tubing

Shut-In Pressure Casing: 661 psig / 12 = 673 psia (Shut-in 94 days)

Shut-In Pressure Tubing: 661 psig / 12 = 673 psia

Flowing Pressure: P : 121 psig / 12 = 133 psia

Working Pressure: P_w : 131 psig / 12 = 143 psia

Temperature: T : 65 °F / 460 = 525 ° Absolute

F_{pv} (from tables) : 1.012 , Gravity .655 n .85

Choke Volume = Q = C x P_t x F_t x F_g x F_{pv}

$$= 14.1605 \times 133 \times .9952 \times .9571 \times \frac{1}{1.012} = \underline{1815} \text{ MCF/D}$$

Open Flow = Aof = C

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

Aof = 1815

$$\left[\frac{452,929}{432,480} \right]^n$$

$$= Q \times 1.0473 = Q \times 1.0401$$

Aof =

1,888

MCF/D

Tested By: T. B. Grant

Witnessed By: Virgil Stoabs

cc: Benson-Montin-Greer (4)



Louis D. Galloway
L. D. Galloway

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