

OPEN FLOW TEST DATA

Date: July 7, 1956

Operator: Benson-Montin-Greer

Lease: Sheets # 6

Location: 790'S, 1125'W, Sec. 6-25-7

County: Rio Arriba State: N.M.

Formation: Pictured Cliff

Pool: Ballard Pictured Cliff

Casing: 5 1/2 " Set G 2742

Tubing: 1 1/4 " Set G 2708

Pay Zone: 2673 To: 2742

Total Depth: 2742

Choke Size: 0.750

Choke Constant = C = 14.1605

Stimulation Method: Sand Oil Frac.

Flow Through: Casing X Tubing

Shut-In Pressure Casing: 658 psig / 12 = 670 psia (Shut-in 56 days)

Shut-In Pressure Tubing: 658 psig / 12 = 670 psia

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

Working Pressure: P_w : 211 psig / 12 = 223 psia

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

F_{py} (from tables) : 1.018 Gravity .655 n 0.850

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

$$Q = 14.1605 \times 200 \times .9952 \times .9571 \times \frac{1}{1.018} = 2746 \text{ MCF/D}$$

Open Flow = Aof = Q

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

Aof = 2746

$$\left[\frac{488,900}{399,171} \right]^n$$

$$= Q \times 1.1246^{.85} = Q \times 1.1049$$

Aof =

3,034

MCF/D

Tested By: T. P. Grant

Witnessed By: Virgil Stoabs

cc: Benson-Montin-Greer (4)



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