

# OPEN FLOW TEST DATA

Date: July 12, 1956

Operator: Benson-Montin-Greer

Lease: Sheets # 4

Location: 1000'S, 1075'W, Sec. 1-25-8

County: San Juan State: N.M.

Formation: Pictured Cliff

Pool: Ballard

Casing: 5 1/2 " Set @ 2705

Tubing: 1 1/4 " Set @ 2748

Pay Zone: 2656 To: 2756

Total Depth: 2756

Choke Size: 0.750

Choke Constant = C = 14.1605

Stimulation Method: Sand Oil Frac. Flow Through: Casing X Tubing     

Shut-In Pressure Casing: 657.3 psig / 12 = 669 psia (Shut-in 50 days)

Shut-In Pressure Tubing: 645 psig / 12 = 657 psia

Flowing Pressure: P : 57 psig / 12 = 69 psia

Working Pressure: P<sub>w</sub> : 89 psig / 12 = 101 psia

Temperature: T : 62 °F / 460 = 522 ° Absolute

F<sub>pv</sub> (from tables) : 1.009 Gravity 0.660 n 0.850

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

$$= 14.1605 \times 69 \times .9981 \times .9535 \times 1.009 = 938 \text{ MCF/D}$$

$$\text{Open Flow} = Aof = Q$$

$$Aof = 938$$

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

$$\left[ \frac{447,561}{437,360} \right]^n$$

$$= 1.0233^{.85} Q = 1.0198 \times 938$$

$$Aof =$$

$$957$$

$$\text{MCF/D}$$

Tested By: T. B. Grant

On tubing blow. Liquid to surface in 2 minutes. Unloaded in 4 minutes.

Witnessed By: Virgil Steaks, Benson-Montin-Greer

cc: Benson-Montin-Greer (4)

Lewis B. Galloway  
L. D. Galloway



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