

OPEN FLOW TEST DATA

DATE December 20, 1956

Operator Benson-Montin-Greer	Lease NCRA State # 7
Location 1450'S, 1650'W, Sec. 16-24-6	County Rio Arriba State New Mexico
Formation Pictured Cliff	Pool Wildcat
Well Depth 5 1/2 Set At: Feet 2418	Tubing Diameter 1 1/2 Set At: Feet 2335
Flow From 2294 To 2419	Total Depth 2419 - c/o - 2419
Stimulation Method Sand Water Frac	Flow Through Casing X Flow Through Tubing

Choke Size, Inches 0.750	Choke Constant, C 14.1605
Shut-In Pressure, Casing, PSIG 654	PSIG - 12 = PSIA 666 Days Drilling 21
Flowing Pressure, P 344	PSIG - 12 = PSIA 356
Temperature, T 56	Flow From Tables 1.041 Gravity 0.680

CHOKED FLOW Q = C x R₁ x F₁ x F₂ x F₃

$$Q = 14.1605 \times 356 \times 1.0039 \times .9373 \times 1.041 = 4949 \text{ MCF/D}$$

OPEN FLOW Aof = Q $\left(\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2} \right)^n$

$$Aof = \left(\frac{443,556}{308,867} \right)^n \quad 1.4360^{.85} \times 4949 = 1.360 \times 4949$$

Aof = 6731 MCF/D

Tom Grant (EPNG)

Virgil Stoabs (Benson-Montin-Greer)

cc: Benson-Montin-Greer (4)



L. D. Galloway
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