

OPEN FLOW TEST DATA

Date: 11/12/56

Operator: Ted M. White Lease: #1 Farnia

Location: NE/4 7-29S-10E County: San Juan State: NM

Formation: Fractured Cliffs Pool: _____

Casing: _____" Set @ _____' Tubing: _____" Set @ _____'

Pay Zone: _____' To: _____' Total Depth: _____'

Choke Size: .750" Choke Constant = C = 14.1405

Stimulation Method: _____ Flow Through: Casing I Tubing _____

Shut-In Pressure Casing: 396 psig / 12 = 396 psia (Shut-in 12 days)

Shut-In Pressure Tubing: 396 psig / 12 = 396 psia

Flowing Pressure: P : 129 psig / 12 = 129 psia

Working Pressure: P_w : 176 psig / 12 = 188 psia

Temperature: T : 60 °F / 460 = .520 ° Absolute

F_{pv} (from tables) : 1.013 Gravity .660 (est) n .85

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

$$Q = \frac{14.1405 \times 129 \times 1.0 \times .9535 \times 1.013}{1.013} = 1764$$

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

$$Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n \cdot \frac{.85}{(12.240)} \cdot \frac{.85}{(12.240)} = (1.1077) = 1.097$$

$$Aof = \frac{1764}{1.097} = 1608 \text{ MCF/D}$$



Tested By: Geolastria, Inc., Agent

Witnessed By: _____

*File
New Meter
Hired*

Build-up
to 420# - 10 min thg

W. J. McCarthy
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