

OPEN FLOW TEST DATA

Date: 9/2/56

Operator: Magnolia Petroleum

Lease: Mal

Location: NW/4 Sec 11-24N-3W

County: Rio Arriba State: N.Mex

Formation: Pictured Cliffs

Pool: Wildcat

Casing: _____" Set @ _____'

Tubing: _____" Set @ _____'

Pay Zone: _____' To: _____'

Total Depth: _____'

Choke Size: .750"

Choke Constant = C = 14.1609

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-In Pressure Casing: 1030 psig / 12 = 1042 psia (Shut-in 0 days)

Shut-In Pressure Tubing: 1031 psig / 12 = 1043 psia

Flowing Pressure: P : 379 psig / 12 = 392 psia

Working Pressure: P_w : 692 psig / 12 = 703 psia

Temperature: T : 46 °F / 460 = 506 ° Absolute

F_{pv} (from tables) : 1.048 Gravity .660 (est) n .85

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

$$= \frac{14.1609}{1.048} \times 392 \times 1.0137 \times .9535 = \underline{9409} \text{ MCF/D}$$

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

$$Aof = \underline{9410}$$

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

$$\left[\frac{1043^2}{1043^2 - 703^2} \right]^n = \frac{1007.042}{993.440} = (1.0335)^{.85}$$

$$Aof =$$

$$\underline{9373}$$

$$\text{MCF/D}$$

Tested By: W. J. McConathy - Geoelectric, Inc

Witnessed By: _____



W. J. McConathy

AZTEC DISTRICT OFFICE

No. C-100-2-100-2

[illegible]

1. *Journal of the American Medical Association*, 1997; 277: 1001-1005.

[illegible]

SECRET -

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

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