

OPEN FLOW TEST DATA

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Date: 2/5/57

Operator: Candado Production Company Lease: Candado #12

Location: SE/4 Sec 3-26N-7W County: Rio Arriba State: NM

Formation: Platoned Cliffs Pool: So Blanco PG

Casing: _____ " Set @ _____ ' Tubing: 1-1/4 " Set @ 2779 '

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

Choke Size: .75 " Choke Constant = C = 14,1605

Stimulation Method: _____ Flow Through: Casing _____ Tubing _____

Shut-In Pressure Casing: 864 psig / 12 = 876 psia (Shut-in 75 days)

Shut-In Pressure Tubing: 864 psig / 12 = 876 psia

Flowing Pressure: P : 399 psig / 12 = 411 psia

Working Pressure: P_w : 410 psig / 12 = 422 psia

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

F_{pv} (from tables) : 1.041 Gravity .65 (est) n .85

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

$$= \frac{14,1605 \times 411 \times .9952 \times .9608 \times 1.041}{1.041} = 5793 \text{ MCF/D}$$

Open Flow = Aof =

$$Aof = \left[\frac{P_c^2}{P_c^2 - F_w^2} \right]^n$$

$$= \left[\frac{876^2}{876^2 - 422^2} \right]^{.85} = \frac{(767,376)^{.85}}{(589,292)^{.85}} = (1.3022)^{.85} = 1.265$$

$$Aof = 7240 \text{ MCF/D}$$

Tested By: Geolectric, Inc., Agent

Witnessed By: _____



W. J. McConathy

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received

DIE EDITION

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