

# TEST FLOW TEST DATA

Date: 3-2-63

Operator: SHAR ALAN

Lease: JICAPILLA #9-2

Location: SE/4 Sec 2 - 23N - 2W

County: Rio Arriba State: N.M.

Formation: \_\_\_\_\_

Pool: \_\_\_\_\_

Casing: 4 1/2 " Set @ 3317

Tubing: 1 1/2 " Set @ \_\_\_\_\_

Pay Zone: 3166 To: 3176  
3135 To: 3152

Total Depth: 3370

Choke Size: 3/4 TMC

Choke Constant = C = 12.365

Stimulation Method: \_\_\_\_\_

Flow Through: Casing x Tubing \_\_\_\_\_

Shut-in Pressure Casing: 836 psig / 12 = 848 psia (Shut-in \_\_\_\_\_ days)

Shut-in Pressure Tubing: \_\_\_\_\_ psig / 12 = \_\_\_\_\_ psia

Flowing Pressure: P : 181 psig / 12 = 193 psia

Working Pressure: P<sub>w</sub> : \_\_\_\_\_ psig / 12 = \_\_\_\_\_ psia

Temperature: T : 42 °F / 460 = 502 °Absolute

F<sub>pv</sub> (from tables) : 1.021 Gravity Est. 640 n 85

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

$$Q = \text{_____} = \text{2491 MCF/D}$$

$$12.365 \times 193 \times 1.0178 \times .9682 \times 1.021$$

Open Flow - Aof = Q

Aof =

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

$$\left[ \frac{719,104}{681,855} \right]^n$$

=

$$1.0346 \approx 1.0462$$

Aof =

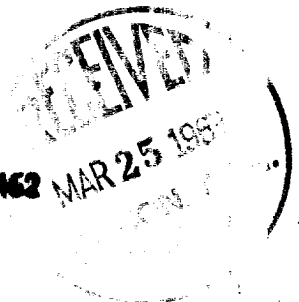
2512

MCF/D

Tested By: B. W. Stiles

Witnessed By: Don Norton

GELECTRIC INC.



# OPEN FLOW TEST DATA

Date: # 3-2-63

Operator: SMAR ALAN

Lease: HERNANDEZ #3

Location: Su 4 Sec 2 23N-2W

County: San Andres State: N.M.

Formation: \_\_\_\_\_

Pool: \_\_\_\_\_

Casing: 4 1/2 " Set @ 3183

Tubing: 1 1/2 " Set @ 3050

Pay Zone: 3042 ' To: 3049

Total Depth: \_\_\_\_\_

Choke Size: 3097 3/4 TIG

Choke Constant = C = 12.365

Stimulation Method: \_\_\_\_\_

Flow Through: Casing X Tubing \_\_\_\_\_

Shut-in Pressure Casing: 910 psig / 12 = 922 psia (Shut-in 1 days)

Shut-in Pressure Tubing: 910 psig / 12 = 922 psia

Flowing Pressure: P : 238 psig / 12 = 238 psia

Working Pressure: P<sub>w</sub> : \_\_\_\_\_ psig / 12 = \_\_\_\_\_ psia

Temperature: T : 44 °F / 460 = 504 °Absolute

F<sub>pv</sub> (from tables) : 1.026 Gravity Est. .640 n .85

Choke Volume = Q = C x P<sub>t</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>pv</sub>

$$Q = 12.365 \times 238 \times 1.0157 \times .9682 \times 1.026$$

$$= 2969 \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

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

$$\frac{850,084}{793,440}$$

=

$$1.0714 \approx 1.0603$$

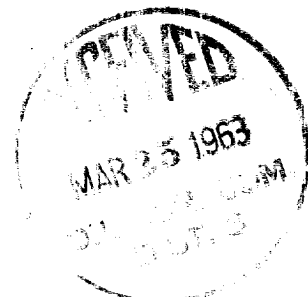
Aof =

3140

MCF/D

Tested By: D. W. Stiles

Witnessed By: Don Burton



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