

OPEN FLOW TEST DATA

Date: June 6, 1956

Operator: Amerada Petroleum Corporation

Lease: Jicarilla Apache A # 4

Location: 990'S, 990'E, Sec. 26-25-5

County: Rio Arriba State: N.M.

Formation: La Ventana

Pool: Wildcat

Casing: 5.5 " Set @ 3989 '

Tubing: 2 " Set @ 3900 '

Pay Zone: 3926 ' To: 3946 '

Total Depth: 3946 '

Choke Size: 0.750 "

Choke Constant = C = 14.1605

Stimulation Method: Sand Water Frac. Flow Through: Casing Tubing X

Shut-In Pressure Casing: psig / 12 = psia (Shut-in 13 days)

Shut-In Pressure Tubing: 919 psig / 12 = 931 psia

Flowing Pressure: P : 74 psig / 12 = 86 psia

Working Pressure: P_w : Calculated psig / 12 = 166 psia

Temperature: T : 68 °F / 460 = 528 ° Absolute

F_{pv} (from tables) : 1.010 Gravity 0.749 n 0.750

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

$$= 14.1605 \times 86 \times .9924 \times .8974 \times \frac{1}{1.010} = 1095 \text{ MCF/D}$$

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

$$Aof = 1095$$

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

$$\left[\frac{866,761}{839,205} \right]^n$$

$$= 1095(1.0328)^{.15} = 1095 \times 1.0245$$

$$Aof =$$

$$1122$$

$$\text{MCF/D}$$



Tested By: Tom Grant

Witnessed By: Rex Turnbull (Amerada)

Lewis D. Galloway
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OIL CONSERVATION COMMISSION		
AZORES REGIONAL OFFICE		
No. Cooper. No.	2	
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File		☒