

WELL FLOW TEST DATA

Date: OCTOBER 26, 1959

Operator: KENNETH MURKISON

Lease: HORTON # 3

Location: 13 - 32 - 12

County: SAN JUAN State: N.M.

Formation: MESA VERDE

Pool: BLANCO MESA VERDE

Casing: 7 INCH " 5 1/2 LINER Set @ 4729 - 5497

Tubing: 2 1/2 " Set @ 5432

Pay Zone: 4860 To: 5508

Total Depth: 5502

Choke Size: 3/4 B.M.

Choke Constant = C = 14.1605

Stimulation Method: S W F

Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 925 psig / 12 = 937 psia (Shut-in _____ days)

Shut-in Pressure Tubing: 925 psig / 12 = 937 psia

Flowing Pressure: P : 342 psig / 12 = 354 psia

Working Pressure: P_w : 605 psig / 12 = 617 psia

Temperature: T : 84 °F / 460 = _____ °Absolute

F_{pv} (from tables) : _____ Gravity .667 EST. n _____

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

$$14.1605 \times 354 \times .9777 \times .9484 \times 1.056$$

$$Q = \underline{\hspace{2cm}}$$

$$= \underline{4908} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \underline{4908}$$

$$\left(\frac{P_w^2 - P_{wf}^2}{P_w^2} \right)^{1/2}$$

$$\left(\frac{877,969 - 497,280}{877,969} \right)^{1/2}$$

$$= (1.7655) = 4908 \times 1.5316$$

$$Aof = \underline{7517} \text{ MCF/D}$$

Tested By: D.W. STILES

Witnessed By: _____



GEOLECTRIC, INC.

BY B. H. Payne

OCT 27 1959

WILSON CONSERVATION COMMISSION
HAWAII DISTRICT OFFICE

DATE	1/1/73	3
TIME	1:00	
LOCATION		
WIND		
TEMP		
HUMIDITY		
SEA		
SKY		
WATER		
ROCK		
PLANT		
ANIMAL		
OTHER		
REMARKS		
DATE	1/1/73	✓