

OPEN FLOW TEST DATA

Date: April 18, 1956

Operator: Amerada Petroleum Corporation Lease: Jicarilla # 1-D

Location: NW SW Sec. 35-24-5 County: Rio Arriba State: N.M.

Formation: Pictured Cliff Pool: Otero Pictured Cliff

Casing: 5 1/2 " Set G 2450 ' Tubing: 2 " Set G 2320 '

Pay Zone: 2332 ' To: 2425 ' Total Depth: 2450 '

Choke Size: 0.750 " Choke Constant = C = 14.1605

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

Shut-In Pressure Casing: 703 psig / 12 = 715 psia (Shut-in 37 days,

Shut-In Pressure Tubing: 470 psig / 12 = 482 psia

Flowing Pressure: P : 56 psig / 12 = 68 psia

Working Pressure: P_w : 156 psig / 12 = 168 psia

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

F_{pv} (from tables) : 1.000 Gravity .695 n 0.850

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

$$Q = 14.1605 \times 68 \times .9952 \times .9292 \times 1 = \underline{890} \text{ MCF/D}$$

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

$$Aof = 890$$

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

$$\left[\frac{511,225}{483,001} \right]^n$$

$$= 1.0584^{.85} = 1.0494$$

$$Aof =$$

$$\underline{934}$$

$$\text{MCF/D}$$

Tested By: Tom Grant and Kenneth McBride

Witnessed By: Horace Hegwood (Amerada Petroleum Corporation)

By:

L. D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received <u>2</u>		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	<u>1</u>	
Protection Office		
State Land Office		
U. S. G. S.	<u>1</u>	
Transporter		
File	<u>1</u>	☒