

OPEN FLOW TEST DATA

Date: June 26, 1956

Operator: Amerada Petroleum Corporation

Lease: Jicarilla Apache # B-7

Location: 990'N, 990'W, Sec. 30-24-5

County: Pio Arriba State: N.M.

Formation: Pictured Cliff

Pool: Otero

Casing: 5 1/2 " Set @ 2150

Tubing: 2 3/8 " Set @ 2042

Pay Zone: 2065 To: 2124

Total Depth: 2150

Choke Size: 3/4

Choke Constant = C = 14.1605

Stimulation Method: Sand Water Frac.

Flow Through: Casing Tubing X

Shut-In Pressure Casing: 637 psig / 12 = 649 psia (Shut-in 7 days)

Shut-In Pressure Tubing: 637 psig / 12 = 649 psia

Flowing Pressure: P : 38 psig / 12 = 50 psia

Working Pressure: P_w : 84 psig / 12 = 96 psia

Temperature: T : 71 °F / 460 = 531 ° Absolute

F_{pv} (from tables) : 1.004 Gravity 0.660 n .85

Opened at 10:10 - 1:10

Choke Volume = = C x P_t x F_t x F_g x F_{pv}

$$= 14.1605 \times 50 \times .9896 \times .9535 \times \frac{1}{1.004} = \underline{671} \text{ MCF/D}$$

Open Flow = Aof =

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

Aof = 671

$$\left[\frac{421,201}{411,985} \right]^n$$

$$= 1.0224^{.85} \times 671 = 1.019 \times 671$$

Aof =

684

MCF/D



Tested By: D. C. Adams

Witnessed By: H. E. Hegwood (Amerada)

cc: Amerada (2)

L. M. Galloway

OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Cases Allowed	2	
OIL CONSERVATION		
Oil	100%	
Gas	100%	
Water	100%	
Land	100%	
Mineral	100%	
Other	100%	
File	100%	✓