

OPEN FLOW TEST DATA

Date: May 18, 1956

Operator: J. Glenn Turner Lease: Huerfano Unit 49-35

Location: 1725N 1800E 35-27-9 County: Hon Juan State: N.M.

Formation: PO Pool: Wildcat

Casing: 2 1/2 " Set G 2173 ' Tubing: 1 " Set 2114 '

Pay Zone: 2168 ' To: 2213 ' Total Depth: 2213 '

Choke Size: .750 " Choke Constant = C = 14 160

Stimulation Method: Sand oil free Flow Through: Casing 1 Tubing 1

Shut-In Pressure Casing: 648 psig / 12 = 660 psia (Shut-in 11 days)

Shut-In Pressure Tubing: 648 psig / 12 = 660 psia

Flowing Pressure: P : 396 psig / 12 = 398 psia

Working Pressure: P_w : 310 psig / 12 = 322 psia

Temperature: T : 67 °F / 460 = 527 ° absolute

F_{pv} (from tables) : 1.023 Gravity 1.000 est. n .85

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

$$= 14.1601 \times 396 \times 1.0003 \times 1.000 \times 1.023 = \underline{4432} \text{ MCF/D}$$

Open Flow = Aof = C

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

40122 Aof = 4432

$$\left[\frac{435,600}{331,216} \right]^n = 4432(1.3124)^n = 4432 \times 1.6602$$

Aof = 5505 MCF/D

Tested By: H.J.M.

Witnessed By: Virgil Stoabs



J. D. Colloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received

3

DISPOSITION

	NO.	
Original		
1st Copy	1	
2nd Copy		
3rd Copy		
4th Copy		
5th Copy	1	
Transporter		
File	1	✓