

OPEN FLOW TEST DATA

Date: May 18, 1956
 Operator: Benson-Montin-Greer Lease: Mc Manus #13
 Location: 990S, 1650W, 4-25-8 County: San Juan State: N.M.
 Formation: Pictured Cliff Pool: Ballard
 Casing: 5.5 " Set @ 2061 ' Tubing: 1.1 " Set @ 2084 '
 Pay Zone: 2057 ' To: 2145 ' Total Depth: 2145 '
 Choke Size: 0.750 " Choke Constant = C = 14.1605
 Stimulation Method: Sand water frac and shot Flow Through: Casing x Tubing
 Shut-In Pressure Casing: 631 psig / 12 = 643 psia (Shut-in 16 days)
 Shut-In Pressure Tubing: 630 psig / 12 = 642 psia
 Flowing Pressure: P : 55 psig / 12 = 67 psia
 Working Pressure: P_w : 57 psig / 12 = 69 psia
 Temperature: T : 67 °F / 460 = 527 ° Absolute
 F_{pv} (from tables) : 1.0000 Gravity 0.672 n 0.850

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

$$= 14.0605 \times 67 \times .9933 \times .9463 \times 1.000 = 892 \text{ MCF/D}$$

$$\text{Open Flow} = Aof = C \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

$$Aof = 892 \left[\frac{413,449}{408,688} \right]^n = 1.0116^{.85} \times 892 = 1.0098 \times 892$$

$$Aof = 901 \text{ MCF/D}$$

Tested By: Tom Grant
 Witnessed By: Virgil Stoabs



Lewis D. Galloway
 L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received 3

DISTRIBUTION

	NO. COPIES	
Operator		
Serv. Co.	/	
Production Office		
State Land Office		
U. S. G. S.	/	
Transporter		
File	/	✓