

OPEN FLOW TEST DATA

Date: April 4, 1956

Operator: El Paso Natural Gas Company Lease: McConnell # 3

Location: 1753'N, 1850'E, Sec. 13-26-9 County: San Juan State: N.M.

Formation: Pictured Cliff Pool: Ballard

Casing: 5 1/2 " Set @ 1991 ' Tubing: 1 1/2 " Set @ 2044 '

Pay Zone: 1991 ' To: 2062 ' Total Depth: 2062 '

Choke Size: 0.75 " Choke Constant = C = 14.1605

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

Shut-In Pressure Casing: 650 psig / 12 = 662 psia (Shut-in days)

Shut-In Pressure Tubing: 650 psig / 12 = 662 psia

Flowing Pressure: P : 74 psig / 12 = 86 psia

Working Pressure: P_w : 74 psig / 12 = 86 psia

Temperature: T : 58 °F / 460 = 418 ° Absolute

F_{pv} (from tables) : 1.0 Gravity 0.670 est. n .85

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

$$= 14.1605 \times 86 \times 1.0019 \times .9463 = 1124 \text{ MCF/D}$$

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

$$Aof = 1124$$

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

$$\left[\frac{662^2}{662^2 - 86^2} \right]^n$$

$$= 1124(1.017)^{.25} = 1124(1.0445)$$

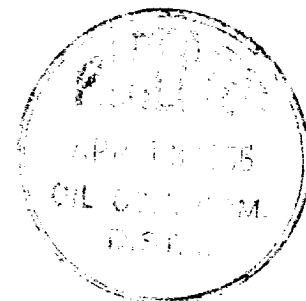
$$Aof =$$

$$1140$$

$$\text{MCF/D}$$

Tested By: L. D. Galloway

Witnessed By:



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION		
ALTEC DISTRICT OFFICE		
No. Cases Filed	3	
CASES FILED		
1. Name		
2. Name		
3. Name	1	
4. Name		
5. Name		
6. Name	1	
7. Name		
8. Name	1	✓
9. Name		