

OPEN FLOW TEST DATA

Date: April 4, 1956

Operator: El Paso Natural Gas Company Lease: McConnell # 2

Location: 288°E, 1850°E, Sec. 13-26-9 County: San Juan State: N.M.

Formation: Pictured Cliff Pool: Ballard

Casing: 5 1/2 " Set G 1996 ' Tubing: 1 1/2 " Set G 2024 '
 Pay Zone: 1996 ' To: 2045 ' Total Depth: 2045 '
 Choke Size: 0.75 " Choke Constant = C = 14.1605

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

Shut-In Pressure Casing: 638 psig / 12 = 650 psia (Shut-in 18 days)

Shut-In Pressure Tubing: 638 psig / 12 = 650 psia

Flowing Pressure: P : 87 psig / 12 = 99 psia

Working Pressure: P_w : 89 psig / 12 = 101 psia

Temperature: T : 61 °F / 460 = 521 ° Absolute

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

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

$$= 14.1605 \times 99 \times 0.999 \times \frac{0.9463}{1.0} \times 1 = 1325.3 \text{ MCF/D}$$

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

Aof = 1325.3
$$\left[\frac{650^2}{650^2 - 101^2} \right]^n = 1325.3 (1.0212)$$

Aof = 1353 MCF/D

Tested By: L. D. Galloway

Witnessed By:



L. D. Galloway
 L. D. Galloway

OIL CONSERVATION COMMISSION	
ACTED BY COMMISSIONER	
No. Conservation	3
Project	
County	
Section	1
Field No.	
Map No.	
U.S.G.N.	1
Transfered	
File	✓