

OPEN FLOW TEST DATA

Date: June 27, 1956

Operator: El Paso Natural Gas Company

Lease: Case # 7

Location: 990'N, 1090'E, Sec. 19-31-11

County: San Juan State: N.M.

Formation: Mesa Verde

Pool: Blanco

Casing: 5 1/2" Liner @ 4540 - 5049
7" Set @ 4722

Tubing: 2" Set @ 4975

Pay Zone: 4878 To: 4968

Total Depth: 5049 - c/o - 5000

Choke Size: 3/4

Choke Constant = C = 14.1605

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

Shut-In Pressure Casing: 1076 psig / 12 = 1088 psia (Shut-in 12 days)

Shut-In Pressure Tubing: 1076 psig / 12 = 1088 psia

Flowing Pressure: P : 407 psig / 12 = 419 psia

Working Pressure: P_w : 893 psig / 12 = 905 psia

Temperature: T : 85 °F / 460 = 545 ° Absolute

F_{pv} (from tables) : 1.040 Gravity 0.680 est. n 0.75

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

$$Q = 14.1605 \times 419 \times .9768 \times .9393 \times \frac{1}{1.040} = 5661 \text{ MCF/D}$$

Open Flow = Aof = Q

Aof = 5661

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

$$\left[\frac{1,183,744}{364,719} \right]^n$$

$$= (3.2456)^{.75} Q = 2.418 Q$$

Aof = 13,688 MCF/D

Tested By: D. C. Adams

Witnessed By:



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received 3

DISTRIBUTION

	NO. COPIES	
Commissioner		
State Engineer	<u>1</u>	
Production Office		
State Land Office		
U. S. G. S.	<u>1</u>	
Transportation		
File	<u>1</u>	☒