

OPEN FLOW TEST DATA

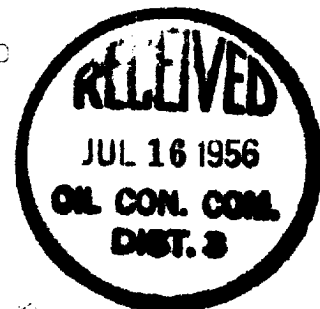
Date: July 12, 1956  
 Operator: El Paso Natural Gas Company Lease: San Juan 28-7 # 63  
 Location: 1845'S, 1650'W, Sec. 12-27-7 County: Rio Arriba State: N.M.  
 Formation: Mesa Verde Pool: Blanco  
 Casing: 5 1/2 " Set @ 5661 ' Tubing: 2 " Set @ 5578 '  
 Pay Zone: 4894 ' To: 5555 ' Total Depth: 5655 - c/o - 5555 '  
 Choke Size: .750 " Choke Constant = C = 14.1605  
 Stimulation Method: Sand Water Frac. Flow Through: Casing \_\_\_\_\_ Tubing X  
 Shut-In Pressure Casing: 1054 psig / 12 = 1066 psia (Shut-in 7 days)  
 Shut-In Pressure Tubing: 1048 psig / 12 = 1060 psia  
 Flowing Pressure: P : 344 psig / 12 = 356 psia  
 Working Pressure: P<sub>w</sub> : 812 psig / 12 = 824 psia  
 Temperature: T : 75 °F / 460 = 535 ° Absolute  
 F<sub>pv</sub> (from tables) : 1.037 Gravity .694 n .75

Choke Volume =  $C \times P_c \times F_t \times F_g \times F_{pv}$   
 $= 14.1605 \times 356 \times .9859 \times .9325 \times 1.037 = \underline{4806} \text{ MCF/D}$

Open Flow = Aof =  $C \left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n$   
 Aof =  $4806 \left[ \frac{1,136,356}{457,380} \right]^n = (2.4845)^{.75} \times 4806 = 1.978 \times \frac{4806}{4806}$   
 Aof =  $\underline{9,506} \text{ MCF/D}$

Tested By: K. C. McBride

Witnessed By: \_\_\_\_\_



Lewis D. Galloway  
 L. D. Galloway