

OPEN FLOW TEST DATA

Date: July 13, 1956  
 Operator: El Paso Natural Gas Company Lease: San Juan 28-5 # 15  
 Location: 990'S, 860'W, Sec. 34-28-5 County: Rio Arriba State: N.M.  
 Formation: Mesa Verde Pool: Blanco Mesa Verde  
 Casing: 5 3/4 " Set 5856 ' Tubing: 2 " Set 5780 '  
 Pay Zone: 5608 ' To: 5774 ' Total Depth: 5855 - c/o - 5800 '  
 Choke Size: .750 " Choke Constant = C = 14.1605  
 Stimulation Method: Sand Water Frac. Flow Through: Casing \_\_\_\_\_ Tubing X  
 Shut-In Pressure Casing: 953 psig / 12 = 965 psia (Shut-in 7 days)  
 Shut-In Pressure Tubing: 953 psig / 12 = 965 psia  
 Flowing Pressure: P : 287 psig / 12 = 299 psia  
 Working Pressure: P<sub>w</sub> : 666 psig / 12 = 678 psia  
 Temperature: T : 79 °F / 460 = 539 ° Absolute  
 γ<sub>g</sub> (from tables) : 1.028 Gravity .874 n .75

Choke Volume = C = C × P<sub>t</sub> × F<sub>t</sub> × F<sub>g</sub> × F<sub>pv</sub>  
 = 14.1605 × 299 × .9822 × .9463 ×  $\frac{1}{1.028}$  = 4045 SCF/D

Open Flow = q<sub>of</sub> = C ×  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n$   
 = 4045 ×  $\left[ \frac{931,225}{471,541} \right]^n$   
 = 6,739 SCF/D

= (1.9749)<sup>.75</sup> × 4045 = 1.666 × 4045

Tested By: E. C. McBride  
 Witnessed By: C. R. Wagner (Pacific Northwest)



L. D. Galloway

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