

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE March 27, 1958

Operator: El Paso Natural Gas		Lease: San Juan 28-7 No. 86 (M)	
Location: 1800S, 1550W, 7-27-7		County: Rio Arriba New Mexico	
Well Name: Mesa Verde		Post: Blanco	
Casing Diameter: 7-5/8"	Set At Feet: 3189	Tubing Diameter: 2"	Set At Feet: 5176
Flow Through Casing: 4564	Flow Through Tubing: 5424	Total Depth: 5457	Shut-in 3-11-58
Flow Through Casing: Sand Water Frac		Flow Through Tubing: X	

Choke Size: .750	Days Production: 12.365	Shut-in Pressure: Tubing 811 (PC)	PSIG 823	PSIA 1053
Flow Through Casing: 109	Flow Through Tubing: 121	Working Pressure: Pw (Calc)	234	
Temperature: 60	Gravimetric: .750	Flow From Tables: 1.012	Gravimetric: .680	

Final SIPC (PC) = 809 PSIG, Packer at 3212' 1-1/4" at 3079'

CHOKE VOLUME $Q = C \times P_1 \times P_2 \times P_3 \times P_4$

$Q = 12.365 (121) (1.0000) (.9393) (1.012) = 1422$ MCF/D

$$Q = \left(\frac{P_1^2 - P_2^2}{P_2^2 - P_3^2} \right)^n$$

$$\left(\frac{1108809}{1054053} \right)^n (1.0519)^{.75} (1,422) = (1.0386) (1,422)$$

1,477 MCF/D

R. R. Davis

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