

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE May 29, 1958

Operator El Paso Natural Gas		Lease San Juan 28-6 No. 81 (M)	
Location 890S, 890W, 12-27-6		County Rio Arriba State New Mexico	
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8	Set At Feet 3377	Tubing Diameter 2"	Set At Feet 5190
Perforations 5246	To 5490	Total Depth 5604	Shut-in 5/10/58 Flow Through Tubing X
Stimulation Method Sand Water Frac		Flow Through Casing	

Choke Size, Inches .750	Choke Constant 12.365	5-1/2" liner 2257 (Top)	
Shut-In Pressure, PSIG (PC) 978	12 PSIA 990	Days Shown 19	Shut-In Pressure, PSIG (MV) 1067 12 PSIA 1079
Flowing Pressure, PSIG 301	12 PSIA 313	Working Pressure, PSIG Calc. 613	12 PSIA 613
Temperature, °F 68	.75	Flow From Tables 1.036	Gravity .703

Final Pressure SIPC (PC) = 982 psig

Packer at 3409
1-1/4" at 3217

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

$C = 12.365 (313) (.9924) (.9258) (1.036) = 3,684$ MCF/D

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

$$\left(\frac{1164241}{788472} \right)^n (1.4765)^{.75} (3,684) = (1.3399) (3684)$$

Act 4,936 MCF/D

R. R. Davis



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