

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 23, 1959

Operator: El Paso Natural Gas		Lease: San Juan 28-7 No. 103 (P)	
Location: 816N, 1041E; 3-27-7		County: Rio Arriba	State: New Mexico
Formation: Pictured Cliffs		Pool: South Blanco	
Casing: Diameter: 7-5/8	Set At: Feet: 2941	Tubing: Diameter: 1-1/4	Set At: Feet: 2796
Pay Zone: From: 2766	To: 2860	Total Depth: 5222 c/o 5157	Shut IN: 7/2/59
Stimulation Method: Sand Water Frac.		Flow Through Casing: X	Flow Through Tubing:

Choke size, inches: .75	Choke Constant: 12.365	5-1/2 liner 2902-5222
Shut-In Pressure, C _s : 1041	PSIG - 12 PSIA 1053	Days Since In: 21
Shut-In Pressure, Tubing: 1039	PSIG - 12 PSIA 1051	
Flowing Pressure, P: 131	PSIG - 12 PSIA 143	Working Pressure, P _w : 138
PSIG - 12 PSIA 150		
Temperature, T: 61	Factor: .85	Flow From Tubing: 1.015
		Gravity: .684

Initial SIPT (MV) = 1095 psig
Final SIPT (MV) = 1098 psig

Packer at 4396

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$Q = 12.365 \times 143 \times .9990 \times .9393 \times 1.015$

1684

MCF/D

OPEN FLOW $A_{of} = C \left(\frac{P_1^2 - P_2^2}{P_1} \right)^n$



$A_{of} = \left(\frac{1108809}{1086309} \right)^n$

$1.0207 \times 1684 = 1.0176 \times 1684$

$A_{of} = 1714$ MCF/D

TESTED BY: **M. W. Rischard**

WITNESSED BY: **Tom Smith, N.M.O.C.C.**



Lewis D. Galloway
L. D. Galloway