

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DUAL COMPLETION

DATE March 17, 1959

Operator El Paso Natural Gas		Lease San Juan 27-5 No. 43 (M)	
Location 1000S, 990W; 24-27-5		County Rio Arriba	State New Mexico
Mesa Verde		Post Blanco	
Completion Date 7-5/8	Set Air Feet 3571	Tubing 2"	Set Air Feet 5603
Bottom Hole Depth 5552	5630	Total Depth 5756	Shut in 3/7/59
Completion Method Sand Water Frac.		Flow Test Closing	Flow Test Tubing
			X

Choke Size, in. .75	Choke Constant, C 12.365	5-1/2 liner 3501 - 5753
Shut-in Pressure, PSIA (PC) 934	2 PSIA 946	Shut-in Pressure, Tubing PSIG (MV) 1088
Flowing Pressure, PSIA 196	12 PSIA 208	Working Pressure, PSIG Calc. 404
Temperature 62	.75	Gravity 1.021
		.674

Initial SIPT (PC) = 933 psig

Final SIPC (PC) = 938 psig

Packer at 3565

CHOKE VOLUME $C \times P_s \times L \times F_g \times F_{pv}$

$$C = 12.365 \times 208 \times .9981 \times .9463 \times 1.021$$

2480

MCF D

OPEN FLOW $Acf \times \left(\frac{P_s}{P_a - P_w} \right)^n$

$$Acf = \left(\frac{1210000}{1036944} \right)^n$$

$$1.1668^{.75} \times 2480 = 1.1225 \times 2480$$

Acf 2784

MCF D

M. W. Rischard



L. D. Galloway
L. D. Galloway by H. L. K.