

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 20, 1960

Operator El Paso Natural Gas Co.		Lease San Juan 32-9 Unit No. 77	
Location 1227N, 1090E; 18-32N-9W		County San Juan	State New Mexico
Formation Mesaverde		Pool Blanco MV	
Casing Diameter 7-5/8	Set At Feet 3949	Tubing Diameter 2"	Set At Feet 5976
Pay Zone Feet 5884	6008	Total Depth 6120 g/o 6099	Shut-In 7/7/60
Drilling Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant, C 12.365	5-1/2" liner from 3830 to 6118	
Shut-In Pressure, Casing 1059	PSIA 1071	Shut-In Pressure, Tubing 1060	PSIA 1072
Flowing Pressure, C 272	PSIA 284	Working Pressure, Pw 693	PSIG 705
Temperature, T 74		Fpw from Tables 1.022	Gravity Est. .618 Fg=.9877
Ft=.9868	.75		

CHOKE VOLUME $Q = C \times P_1 \times P_2 \times F_p \times F_g$

$$Q = 12.365 \times 284 \times .9868 \times .9877 \times 1.022$$

3498 MCF/D

OPEN FLOW $Q = C \left(\frac{P_1^2 - P_2^2}{L} \right)^{.75}$

$$Q = \left(\frac{1149184}{652159} \right)^{.75}$$

$$1.7621^{.75} \times 3498 = 1.5295 \times 3498$$

5350 MCF/D

WITNESSED BY D. MortensenChecked By W. D. Dawson

Lewis D. Galloway
L. D. Galloway