

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 1, 1959

Operator El Paso Natural Gas		Lease San Juan 28-7 No. 108 (M)	
Location 1500N, 990E; 16-27-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8	Set At: Feet 3551	Tubing Diameter 2"	Set At: Feet 5719
Pay Zone: From 5620	To 5734	Total Depth 5800 c/o 5750	Shut In: 6/22/59
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant 12.365	5 1/2 liner 3511 5800	
Shut-in Pressure, Casing, PSIG 948 (PC)	12 PSIA 960	Days Shut-in 9	Shut-in Pressure, Tubing, PSIG 1014 (MV)
Flowing Pressure, Casing, PSIG 104	12 PSIA 116	Working Pressure, PSIG Calc.	12 PSIA 232
Temperature, T .59	.75	Flow From Tubing 1.014	Gravity .742

Initial SIPT (PC) = 948 psig
Final SIPC (PC) = 950 psig

Packer at 5520

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{gv}$

$$Q = 12.365 \times 116 \times 1.0010 \times .9005 \times 1.014$$

1311

MCF/D

OPEN FLOW

$$\left(\frac{P_1}{P_2} \right)^n$$

$$\left(\frac{1052676}{998852} \right)^n$$

$$1.0538^{.75} \times 1311 = 1.0401 \times 1311$$

Act 1364 MCF/D

TESTED BY **M. W. Rischard**WITNESSED BY **Fred Cook, N.M.O.C.C.**

Lewis D. Galloway
L. D. Galloway