

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **October 7, 1958**

Operator El Paso Natural Gas Company		Lease San Juan 27-5 Unit No. 32 (M)	
Location 1550N, 1550E; 25-27-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Flowing Tubing 7-5/8	Set At Feet 3660	Tubing Diameter 2	Set At Feet 5780
Flow Line Feet 5642	5796	Depth 5835 c/o 5810	Shut in 9/4/58
Shut in Water Sand Water Frac.		Flow Through Tubing X	

Choke Constant .75	Choke Constant 12.365	5-1/2 liner 3611 - 5835
Shut-in Pressure, Casing 995 (PC)	PSIG 1007	Days shut-in 33
Flowing Pressure, P 286	PSIG 298	Shut-in Pressure, Tubing 1139 (MV)
Temperature 62	.75	Working Pressure, P _w Calc. 607
		Flow From Tables 1.029
		Gravity .653

Initial SIPT (PC) = 995 PSIG
Final SIPC (PC) = 1000 PSIG

Packer at 3657

CHOKED FLOW: $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$12.365 \times 298 \times .9981 \times .9608 \times 1.029$$

3636

MCF/D

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

$$\left(\frac{1,324,801}{956,352} \right)^n$$

$$1.3852^{.75} \times 3636 = 1.2765 \times 3636$$

Act

4641

MCF/D

Jesse B. Goodwin

Checked By H. L. Kendrick

Lewis D. Galloway
L. D. Galloway

