

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 13, 1960

Operator El Paso Natural Gas Co.		Lease San Juan 28-7 Unit No. 115	
Location 990N, 1650W; 27-27N-7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco PC	
Casing Diameter 2-1/2"	Set At Feet 3178	Tubing Diameter No Tubing	Set At Feet
Flow From 3068	To 3114	Total Depth:	Shut-in 6/17/60
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, inches .75	Choke Constant, C 12.365		
Shut-in Pressure, Casing, PSIG 948	12 - PSIA 960	Days Shut-In 26	Shut-in Pressure, Tubing, PSIG -
Flowing Pressure, P, PSIG 148	12 - PSIA 160	Working Pressure, P _w , PSIG Calc.	12 - PSIA 202
Temperature, T, °F 65		Flow from Tables 1.014	Gravity .650
Ft = .9952	.85	Fg = .9608	

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

$$12.365 \times 160 \times .9952 \times .9608 \times 1.014$$

1918

MCF/D

$$\text{OPEN FLOW } Q = \left(\frac{C \times P_1 \times F_1 \times F_g \times F_{pv}}{P_1 - P_w} \right)^n$$

$$\left(\frac{921600}{880796} \right)^n$$

$$1.0463^{.85} \times 1918 = 1.0392 \times 1918$$

Aot 1993 MCF/D

TESTED BY Frank M. ClarkChecked By W. D. Dawson

Lewis D. Galloway
L. D. Galloway