

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 17, 1958

Operator El Paso Natural Gas Company		Lease Rincon Unit 117	
Location 1750S, 990E; 21-27-6		County Rio Arriba	State New Mexico
Field Pictured Cliffs		Pool South Blanco Pictured Cliffs	
Casing Diameter 5-1/2"	Set At Feet 3218	Tubing Diameter 1-1/4"	Set At Feet 3146
Pay Zone Feet 3130	To 3174	Total Depth 3218 c/o 3180	Shut-in 5/22/58
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 1052	12 PSIA 1064	Days Shut-in 26	Shut-in Pressure, Tubing, PSIG 1052
Flowing Pressure, Casing, PSIG 243	12 PSIA 255		Working Pressure, P _w , PSIG 258
Temperature, °F 72	Gravity .85		Flow From Tables 1.026
			.685

CHOKE VOLUME = $Q = C \times P_r \times F_v \times F_g \times F_{pv}$
 $Q = 12.365 \times 255 \times .9887 \times .9359 \times 1.026 = 2993 \text{ MCF/D}$

OPEN FLOW = $Q = \left(\frac{P_r}{P_c - P_w} \right)^n$

$Q = \left(\frac{1132096}{1059196} \right)^n \quad 1.0688^{.85} \times 2993 = 1.0582 \times 2993 =$

$Q = 3167 \text{ MCF/D}$

R. Proctor and F. Clark

Checked By: S. V. Roberts

Lewis D. Galloway
L. D. Galloway

