

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE March 28, 1958

Operator El Paso Natural Gas Company		Lease Rincon 110	
Location 990S, 1700E; 19-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco Pictured Cliffs	
Casing: Diameter 5-1/2	Set At: Feet 3189	Tubing: Diameter 2	Set At: Feet 3105
Pay Zone: From 3076	To 3130	Total Depth: 3189 c/o 3158	Shut-in 2/28/58
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 1065	- 12 = PSIA 1077	Days Shut-In 36	Shut-In Pressure, Tubing PSIG 1065	- 12 = PSIA 1077	
Flowing Pressure: P PSIG 201	- 12 = PSIA 213		Working Pressure: Pw PSIG 334	- 12 = PSIA 346	
Temperature: T F 57	n = .85		Fpv (From Tables) 1.025	Gravity .698	

$$\text{CHOKE VOLUME} = Q = C \times P_c \times F_c \times F_g \times F_{pv}$$

$$Q = 12.365 \times 213 \times 1.0029 \times 929 \times 1.025 = \underline{2516} \text{ MCF/D}$$

$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof \left(\frac{1159929}{1040213} \right)^n = (1.1150)^{.85} \times 2516 = (1.0969) \times 2516$$

$$Aof = \underline{2760} \text{ MCF/D}$$

TESTED BY R. Proctor

WITNESSED BY _____

Checked By: H. L. Kendrick

Lewis D. Galloway
L. D. Galloway

