

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 9, 1965

Operator El Paso Natural Gas Company		Lease Lindrich Unit No. 57	
Location 1550-N, 1800-W, Section 31, T-24-N, R-2-W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.075	Set At: Feet 3229	Tubing: Diameter 1.315	Set At: Feet
Pay Zone: From 3125	To 3145	Total Depth: 3229	Shut In 7-2-65
Stimulation Method Water Flood		Flow Through Casing "	Flow Through Tubing

Choke Size, Inches .750	Choke Coefficient: C 12.365	Flow Completion	
Shut-In Pressure, Casing, 819 PSIG	+ 12 = PSIA	Shut-In Pressure, Tubing 819 PSIG	+ 12 = PSIA
Flowing Pressure: P 492 PSIG	+ 12 = PSIA	Working Pressure: Pw 492 PSIG	+ 12 = PSIA
Temperature: T = 66 °F	n = .9943	Fpv (From Tables) 1.058	Gravity .680 Fg = .9393

$$\text{CHOKE VOLUME} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$Q = (12.365) (504) (.9943) (.9393) (1.058) = 6,158 \text{ MCF/D}$$

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

$$Aof = \left(\frac{690,000}{269,300} \right)^n = (6158) (2.2261) = (6158) (2.2261)$$

$$Aof = 13,708 \text{ MCF/D}$$

TESTED BY D. Roberts
 CALCULATED BY H. D. McAnally
 WITNESSED BY _____



Lewis D. Galloway
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