

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 5-28-71

Operator El Paso Natural Gas Company		Lease Riddle B No. 6	
Location 1840'N, 875'W, S 23, T30N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3073	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 2920	To 2960	Total Depth: 3096	Shut In 5-21-71
Stimulation Method S W F		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		tubingless completion	
Shut-In Pressure, Casing, PSIG 944	+ 12 = PSIA 956	Days Shut-In 7	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 164	+ 12 = PSIA 176	Working Pressure: P _w PSIG calculated	+ 12 = PSIA		
Temperature: T = 65 °F	n = .85	Fpv (From Tables) 1.015	Gravity .635	Fg = .9721	

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = 12.365 \times 176 \times .9952 \times .9721 \times 1.015 = \underline{2137} \text{ MCF/D}$$

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

Note: Well blew a light spray of hydrocarbons throughout test.

$$Aof = \left(\frac{913936}{865095} \right)^n = (1.0565)^{.85} (2137) = (1.0478)(2137)$$

$$Aof = \underline{2239} \text{ MCF/D}$$

TESTED BY D. R. Roberts & R. R. Hardy

WITNESSED BY _____

H. L. Kendrick