

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 8, 1975

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #271	
Location 1555/S, 985/E, Sec 32, T25N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2365'	Tubing: Diameter No tubing	Set At: Feet ---
Pay Zone: From 2222	To 2312	Total Depth: PBTD 2365	Shut In 7-29-75
Stimulation Method Sand Water Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 518	+ 12 = PSIA 530	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 168	+ 12 = PSIA 180		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 217	
Temperature: T = 62 °F	Ft = .9981	n = .85	Fpv (From Tables) 1.020	Gravity .700	Fg = .9258

$$\text{CHOKE VOLUME} = Q = C \times P_r \times F_r \times F_g \times F_{pv}$$

$$Q = 12.365(180)(.9981)(.9258)(1.020) = \underline{2098} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{280900}{233811} \right)^n = 2098(1.201)^{.85} = 2098(1.169)$$

$$Aof = \underline{2452} \text{ MCF/D}$$

Note: The well blew dry gas. During the test 276.67 MCF of gas was vented to the atmosphere.

TESTED BY Johnson

WITNESSED BY _____

Charles W. D.
Well Test Engineer