

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 13, 1975

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #260	
Location 1710'/S, 1660'/W, Sec. 17, T24N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2119'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2014'	To 2066'	Total Depth: PBD 2119' 2109'	Shut In 8-6-75
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 344	+ 12 = PSIA 356	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 115	+ 12 = PSIA 127		Working Pressure: Pw Calculated	+ 12 = PSIA 151	
Temperature: T = 60 °F	n = 0.85		Fpv (From Tables) 1.017	Gravity .700	Fg = .9258
	Ft = 1.000				

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

$$Q = (12.365)(127)(1.000)(.9258)(1.017) = \underline{1,479} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{126736}{110607} \right)^n = (1479)(1.1458)^{.85} = (1479)(1.1226)$$

$$Aof = \underline{1,660} \text{ MCF/D}$$

Note: Well blew 199.40 MCF of dry gas to the atmosphere during test.

TESTED BY C. Rhames

WITNESSED BY _____

Charles W. D.
Well Test Engineer

