

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE August 21, 1975

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #263	
Location 1550/S, 1670/W, Sec. 35, T24N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2161'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2030'	To 2038'	Total Depth: PBSD 2161' 2151'	Shut In 8-14-75
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 650	+ 12 = PSIA 662	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --
Flowing Pressure: P PSIG 5	+ 12 = PSIA 17		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 20
Temperature: T = 58 °F Ft = 1.002	n = 0.85		Fpv (From Tables) 1.004	Gravity .700 Fg = .9258

CHOKE VOLUME = Q = C x P_i x F_t x F_g x F_{pv}

Q = (12.365) (17) (1.002) (.9258) (1.004) = 196 MCF/D

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

Aof = Q $\left(\frac{438244}{437844} \right)^n = (196) (1.009)^{.85} = (196) (1.008)$

Aof = 196 MCF/D

Note: Well blew heavy mist of water throughout test. 32.17 MCF gas was blown to the atmosphere during test.

TESTED BY J. Goodwin

WITNESSED BY _____

Charles W. Dean
Well Test Engineer

