

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 5, 1968

Operator El Paso Natural Gas Company		Lease McCulley No. 7	
Location 880'S, 1460'E, Sec. 14, T-28-N, R-9-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2511	Tubing: Diameter NO TUBING	Set At: Feet
Pay Zone: From 2438	To 2473	Total Depth: 2550	Shut In 6-19-68
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 702	+ 12 = PSIA 714	Days Shut-In 16	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 185	+ 12 = PSIA 197		Working Pressure: P _w PSIG Calc.	+ 12 = PSIA 240
Temperature: T = 63 °F	Ft = .9971	n = .85	Fpv (From Tables) 1.017	Gravity .630 Fg = .9759

CHCKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = (12.365)(197)(.9971)(.9759)(1.017) = 2411 MCF/D

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

Aof = $\left(\frac{509796}{452196} \right)^n = (2411)(1.1273)^{.85} = (2411)(1.1072)$

NOTE: The well produced dry gas throughout the test.

Aof = 2669 MCF/D

TESTED BY B. J. Broughton

CALCULATED
WITNESSED BY H. E. McAnally



H. L. Kendrick