

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

000 (2)

DATE August 16, 1972

Operator El Paso Natural Gas Company		Lease Warren No. 11	
Location 810/N, 810/E, Sec. 13 T 28N, R 9W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2294	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2196	To 2222	Total Depth: 2294	Shut In 8-7-72
Stimulation Method SWF		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 651	+ 12 = PSIA 663	Days Shut-In 9	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 117	+ 12 = PSIA 129		Working Pressure: Pw PSIG calculated	+ 12 = PSIA	156
Temperature: T = 61 °F	n = .85		Fpv (From Tables) 1.011	Gravity .645	Fg = .9645

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

Q = 12.365 X 129 X .9990 x .9645 X 1.011 = 1554 MCF/D

OPEN FLOW = Aof = Q $\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$ NOTE: Produced very light spray of water and distillate throughout the test.

Aof = $\left(\frac{439569}{415233} \right)^n = (1.0586)^{.85} (1554) = (1.0496)(1554)$

Aof = 1631 MCF/D

TESTED BY J. A. Jones

WITNESSED BY

J. A. Jones

