

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 8/30/72

Operator El Paso Natural Gas Company		Lease Tapp #8	
Location 800/N, 1840/W, Sec. 22-T23N-R3W		County San Juan	State NM
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.375	Set At: Feet 3002	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 2326	To 2946	Total Depth: 3002	Shut In 8/22/72
Stimulation Method SIF		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 963	+ 12 = PSIA 975	Days Shut-In 8	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 91	+ 12 = PSIA 103		Working Pressure: Pw PSIG calculated	+ 12 = PSIA 125
Temperature: T = 62 °F	Ft = .9981	n = .85	Fpv (From Tables) 1.007	Gravity .645 Fg = .9645

CHOKE VOLUME = Q = C x P_i x F_t x F_g x F_{pv}
Q = (12.365)(103)(.9981)(.9645)(1.007) = 1235 MCF/D

OPEN FLOW = Aof = Q $\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$
Aof = $\left(\frac{950.625}{934.241} \right)^n = .(1235)(1.0175)^{.85} = (1235)(1.0149)$

Aof = 1253 MCF/D

NOTE: Blew dry gas entire test.

TESTED BY Jesse Goodwin

WITNESSED BY

J. A. Jones
Well Test Engineer