

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

003 (2)

DATE 8/24/72

Operator El Paso Natural Gas Company		Lease Wensfield #12	
Location 1600/4, 850/4, Sec. 29-T30N-29W		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2710	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2664	To 2664	Total Depth: 2710	Shut In 8/13/72
Stimulation Method SP		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 364	+ 12 = PSIA 376	Days Shut-In 16	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 104	+ 12 = PSIA 104		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 104
Temperature: T = 61 °F	F _t = .9990	n = .85	F _{pv} (From Tables) 1.007	Gravity .635 F _g = .9721

CHOKE VOLUME = Q = C × P_f × F_t × F_g × F_{pv}

Q = (12.365)(104)(.9990)(.9721)(1.007) = 1238 MCF/D

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

Aof = $\left(\frac{141.376}{124.992} \right)^n = (1253)(1.1311)^{.85} = (1258)(1.1104)$

Aof = 1396 MCF/D



NOTE: Well produced a light mist of water through out test.

TESTED BY J. J. Inarinton

WITNESSED BY

J. A. Jones
Well Test Engineer