

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 9-30-66

Operator El Paso Natural Gas Company		Lease El Paso No. 1	
Location 1600'S, 1500'W, Sec. 20, T-29-N, R-9-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 4750	Tubing: Diameter 2.375	Set At: Feet 4418
Pay Zone: From 3243	To 4462	Total Depth: 4750	Shut In 9-23-66
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-in Pressure, Casing, PSIG 796	+ 12 = PSIA 808	Days Shut-In 7	Shut-in Pressure, Tubing PSIG 795	+ 12 = PSIA 807	
Flowing Pressure: P PSIG 210	+ 12 = PSIA 222		Working Pressure: P _w PSIG 621	+ 12 = PSIA 633	
Temperature: T = 68 °F	Ft = .9924	n = .75	F _{pv} (From Tables) 1.023	Gravity .685	F _g = .9359

CHOKE VOLUME = Q = C x P_f x F_v x F_g x F_{pv}

Q = (12.365)(222)(.9924)(.9359)(1.023) = 2608 MCF/D

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

Aof = $\left(\frac{652,864}{252,175} \right)^n = (2608)(2.5889)^{.75} = (2608)(2.0410)$

NOTE: Well Produced a heavy spray of dist. and water throughout the test.

Aof = 5323 MCF/D

TESTED BY H. E. McAnally

WITNESSED BY A. J. Loleit

RECEIVED
 OCT 4 1966
 OIL CON. COM.
 DIST. 3

H. L. Kendrick
 H. L. Kendrick