

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 15, 1968

Operator El Paso Natural Gas Company		Lease Day No. 2 (OWMO)	
Location 990'S, 990'W, Sec. 9, T-29-N, R-8-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5473	Tubing: Diameter 2.375	Set At: Feet 5250
Pay Zone: From 4730	To 5420	Total Depth: 5473	Shut In 5-5-68
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 827	+ 12' = PSIA 839	Days Shut-In 10	Shut-in Pressure, Tubing PSIG 831	+ 12' = PSIA 843	
Flowing Pressure: P PSIG 278	+ 12' = PSIA 290		Working Pressure: Pw PSIG 712	+ 12' = PSIA 724	
Temperature: T = 69 °F	n = .9915		Fpv (From Tables) 1.030	Gravity .680	Fg = .9393

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

Q = (12.365)(290)(.9915)(.9393)(1.030) = 3440 MCF/D

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

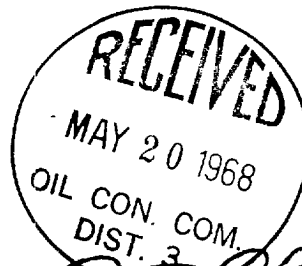
Aof = $\left(\frac{710649}{186473} \right)^n = (3440)(3.8110)^{.75} = (3440)(2.7276)$

NOTE: Well unloaded distillate after two min. A light mist of distillate blew throughout the test.

Aof = 9382 MCF/D

TESTED BY A. J. Loleit & G. A. Lippman

CALCULATED
WITNESSED BY A. J. Loleit & G. A. Lippman



H. L. Kendrick
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