

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 28, 1971

Operator El Paso Natural Gas Company		Lease Vaughn No. 16	
Location 1840'S, 885'W, S 28, T26N, R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 2.875	Set At: Feet 3617	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3474	To 3578	Total Depth: 3617	Shut In: 10-15-71
Stimulation Method S W F		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 540	+ 12 = PSIA 552	Days Shut-In 13	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 20	+ 12 = PSIA 32	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 41		
Temperature: T = 57 °F	F _t = 1.0029	n = .75	F _p v (From Tables) 1.004	Gravity .650	F _g = .9608

CHOKE VOLUME = Q = C x P_i x F_t x F_g x F_pv

Q = (12.365)(32)(1.0029)(.9608)(1.004) = 383 MCF/D

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

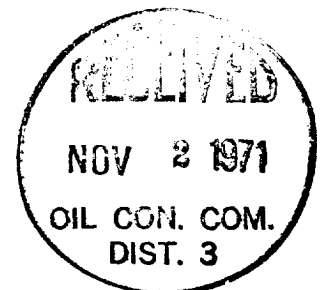
NOTE: Well produced a heavy spray of water and distillates throughout the test.

Aof = $\left(\frac{304704}{303023} \right)^n = (1.0055)^{.75} (383) = (1.0042)(383) = 385$

Aof = 385 MCF/D

TESTED BY Dan Roberts

WITNESSED BY _____



L. E. Mabe, Jr.
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