

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 24, 1969

Operator El Paso Natural Gas		Lease Hardie "B" No. 1 OWMO	
Location 1750 S, 915 W, S 28, T 29 N, R 3 W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5397	Tubing: Diameter 2.375	Set At: Feet 5229
Pay Zone: From 4597	To 5303	Total Depth: 5397	Shut In 7-07-69
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 0.750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 328	+ 12 = PSIA 840	Days Shut-In 17	Shut-In Pressure, Tubing PSIG 826	+ 12 = PSIA 838	
Flowing Pressure: P PSIG 298	+ 12 = PSIA 310		Working Pressure: P _w PSIG 785	+ 12 = PSIA 797	
Temperature: T = 75 °F	n = .75		F _{pv} (From Tables) 1.032	Gravity .702	F _g = .9245

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = (12.365)(310)(.9359)(.9245)(1.032) = 3606 MCF/D

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

Aof = $\left(\frac{705600}{70391} \right)^n = 3606 (10.024)^{.75} = 3606 (5.6335)$

Note: Made very small amount of light hydrocarbons.

Aof = 20314 MCF/D

TESTED BY RJH
Calculated
WITNESSED BY REF & RES

H. E. McAnally

