

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 2, 1971

Operator El Paso Natural Gas Company		Lease Day A No. 12	
Location 1190'N, 800'E, Sec. 18, T-29-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3203	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3044	To 3068	Total Depth: 3203	Shut In 7-21-71
Stimulation Method Sand Water Frac		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 838	+ 12 = PSIA 850	Days Shut-In 12	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 291	+ 12 = PSIA 303		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 384	
Temperature: T= 67 °F	Ft= .9933	n = 0.85	Fpv (From Tables) 1.027	Gravity 0.630	Fg = .9759

CHOKE VOLUME = Q = C x P_i x F_t x F_g x F_{pv}
Q = (12.365)(303)(.9933)(.9759)(1.027) = 3730 MCF/D

OPEN FLOW = Aof = Q $\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$ Note: Well blew light fog of water throughout test.

Aof = $\left(\frac{722500}{575044} \right)^n = (3730)(1.2564)^{.85} = (3730)(1.2140)$

Aof = 4528 MCF/D

TESTED BY B. J. Broughton

WITNESSED BY

RECEIVED
AUG 4 1971
OIL CON. COM.
DIST. 3
L. E. Mabe, Jr.