

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 22, 1973

Operator El Paso Natural Gas Company		Lease Atlantic "C" No. 12	
Location 1650'S, 1650'W, Section 31, T31N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco Ext.	
Casing: Diameter 2.875	Set At: Feet 2829	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2680	To 2816	Total Depth: 2829	Shut In 6/4/73
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 842	+ 12 = PSIA 854	Days Shut-In 18	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 180	+ 12 = PSIA 192		Working Pressure: Pw Calculated	+ 12 = PSIA 237	
Temperature: T = 63 °F	Ft = .9877	n = .85	Fpv (From Tables) 1.017	Gravity .635 Fg = .9721	

CHOKE VOLUME = $Q = C \times P_f \times F_t \times F_g \times F_{pv}$

$Q = (12.365)(192)(.9877)(.9721)(1.017) = 2318 \text{ MCF/D}$

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

NOTE: Well blew dry gas.

$Aof = Q \left(\frac{729316}{673147} \right)^{.85} = 2318 (1.0834)^{.85} = 2318 (1.0705)$

$Aof = 2482 \text{ MCF/D}$



TESTED BY T. D. Norton

WITNESSED BY

William D. Welch
William D. Welch, Well Test Engineer

