

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 28, 1973

Operator El Paso Natural Gas Company		Lease Florance F No. 2	
Location 1500'S, 1800'W, Section 25, T30N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs <i>EXT.</i>		Pool Planco	
Casing: Diameter 2.875	Set At: Feet 2705	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 25 1/2	To 2612	Total Depth:	Shut In 6-8-73
Stimulation Method SWF		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365	Tubingless Completion	
Shut-In Pressure, Casing, PSIG 914	+ 12 = PSIA 926	Days Shut-in 20	Shut-In Pressure, Tubing, PSIG No Tubing
Flowing Pressure, Casing, PSIG 244	+ 12 = PSIA 256		Working Pressure, Pw, PSIG Calculated 315
Fracture: Fr = .9933	n = .85	Fpv (From Tables) 1.022	Gravity .635 Fg = .9721

CHOKER VOLUME = Q = C x P_i x F_r x F_g x F_{pv}

Q = (12.365)(256)(.9933)(.9721)(1.022) = 3124 MCF/D

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

NOTE: The well produced a very light fog of water throughout the test.

Aof = Q $\left(\frac{857476}{758251} \right)^{.85} = 3124 (1.1309)^{.85} = (3124)(1.1102)$

Aof = 3468 MCF/D



TESTED BY _____

WITNESSED BY _____

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