

OC2

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 1/17/73

Operator EL PASO NATURAL GAS COMPANY		Lease Sunray K Com A #2	
Location 1700/N, ¹⁶⁹⁵ 1840 /E, Sec. 32, T31N, R10W		County San Juan	State NM
Formation Pictured Cliffs Ext.		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2910	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2840	To 2870	Total Depth: 2910	Shut In 1/9/73
Stimulation Method SWF		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 950	+ 12 = PSIA 962	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 231	+ 12 = PSIA 243	Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 305		
Temperature: T = 56 °F	Ft = 1.004	n = .85	Fpv (From Tables) 1.023	Gravity .635	Fg = .9721

$$\text{CHOKE VOLUME} = Q = C \times P_r \times F_r \times F_g \times F_{pv}$$

$$Q = (12.365)(243)(1.004)(.9721)(1.023) = \underline{3000} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{925444}{832419} \right)^{.85} = 3000 (1.1118)^{.85} = 3000 (1.0942)$$

$$Aof = \underline{3283} \text{ MCF/D}$$

NOTE: Well blew dry gas.

TESTED BY Norton

WITNESSED BY _____

William D. Welch
William D. Welch
Well Test Engineer

