

CCC

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 12/4/72

Operator EL PASO NATURAL GAS COMPANY		Lease Neil #14	
Location 950/N, ¹¹⁸⁰ 1190 /E, Sec. 15, T31N, R11W		County San Juan	State NM
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2982	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2838	To 2920	Total Depth: 2982	Shut In 11/27/72
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, 824	PSIG	+ 12 = PSIA 836	Days Shut-In 7	Shut-In Pressure, Tubing No tubing	PSIG
Flowing Pressure: P 54	PSIG	+ 12 = PSIA 66		Working Pressure: P _w Calculated	PSIG
Temperature: T = 57 °F	F _t = 1.003	n = .85		F _{pv} (From Tables) 1.007	Gravity .635
					F _g = .9721

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

$$Q = (12.365)(66)(1.003)(.9721)(1.007) = \underline{801} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{698896}{692172} \right)^n = 801 (1.0097)^{.85} = 801 (1.0082)$$

$$Aof = \underline{808} \text{ MCF/D}$$

NOTE: Well blew dry gas

TESTED BY Carl Rhames

WITNESSED BY _____



William D Welch
William D. Welch
Well Test Engineer