

OCC

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 12/27/72

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo #114	
Location 990/N, 800/E, Sec. 33, T25N, R7W		County Rio Arriba	State NM
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2691	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2590	To 2660	Total Depth: 2691	Shut In 12/18/72
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, PSIG 375	+ 12 = PSIA 387	Days Shut-In 7	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA	
Flowing Pressure: P PSIG 192	+ 12 = PSIA 204	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 252		
Temperature: T = 58 °F	F _t = 1.002	n = .85	F _{pv} (From Tables) 1.024	Gravity .700	F _g = .9258

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

$$Q = (12.365)(204)(1.002)(.9258)(1.024) = 2396 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{149769}{86265} \right)^n = 2396 (1.7362)^{.85} = 2396 (1.5983)$$

$$Aof = 3830 \text{ MCF/D}$$

NOTE: Well blew dry gas.

TESTED BY W. D. Welch

WITNESSED BY _____



William D Welch
William D. Welch
Well Test Engineer