

OCC

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 1/5/73

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo Unit #174	
Location 1700/S, 1750/W, Sec. 21, T25N, R7W		County Rio Arriba	State NM
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2342	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2250	To 2300	Total Depth: 2342	Shut In 12/22/72
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 569	+ 12 = PSIA 581	Days Shut-In 15	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 51	+ 12 = PSIA 63	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 76		
Temperature: T=55 °F F _t = 1.005	n = .85	F _{pv} (From Tables) 1.011	Gravity 700	F _g = .9258	

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

$$Q = (12.365)(63)(1.005)(.9258)(1.011) = \underline{733} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{337561}{331785} \right)^n = 733 (1.0174)^{.85} = 733 (1.0148)$$

$$Aof = \underline{744} \text{ MCF/D}$$

NOTE: The well blew a very light mist of water throughout test.

TESTED BY W. Welch

WITNESSED BY _____

William D Welch

William D. Welch
Well Test Engineer