

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

occ

DATE 1/26/73

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo Unit #176	
Location 1000/S, 800/E, Sec. 6, T24N, R6W		County Rio Arriba	State NM
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2290	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2180	To 2210	Total Depth: 2290	Shut In 1/16/73
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 608	+ 12 = PSIA 620	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 48	+ 12 = PSIA 60	Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 72		
Temperature: T=55 °F      Ft=1.005	n = .85	Fpv (From Tables) 1.004	Gravity .700	Fg = .9258	

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

$$Q = (12.365)(60)(1.005)(.9258)(1.004) = 693 \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{384400}{379216} \right)^n = 693 (1.0137)^{.85} = 693 (1.0116)$$

$$Aof = 701 \text{ MCF/D}$$

NOTE: Blew dry gas.



TESTED BY Jess Goodwin

WITNESSED BY

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William D. Welch  
Well Test Engineer