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EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

RETEST

DATE 2/5/73

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 SWP		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 616	+ 12 = PSIA 628	Days Shut-In 20	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 55	+ 12 = PSIA 67	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 80		
Temperature: T = 57 °F	n = .85	Fpv (From Tables) 1.011	Gravity .700	Fg = .9258	
Ft = 1.003					

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

$$Q = (12.365)(67)(1.003)(.9258)(1.011) = 778 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{394384}{387984} \right)^{.85} = 778 (1.0165)^{.85} = 778 (1.0140)$$

$$Aof = 790 \text{ MCF/D}$$

NOTE: Blew clear gas



TESTED BY Jess Goodwin

WITNESSED BY

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Well Test Engineer