

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

OCC

DATE 12/27/72

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo Unit #181	
Location 815/S, 1130/W, Sec. 26, T25N, R7W		County Rio Arriba	State NM
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2629	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2504	To 2546	Total Depth: 2629	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 360	+ 12 = PSIA 372	Days Shut-In 7	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA	
Flowing Pressure: P PSIG 212	+ 12 = PSIA 224	Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA	275	
Temperature: T = 60 °F      Ft = 1,000	n = .85	Fpv (From Tables) 1.026	Gravity .700	Fg = .9258	

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

$$Q = (12.365)(224)(1.000)(.9258)(1.026) = 2631 \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{138384}{62759} \right)^n = 2631 (2.2050)^{.85} = 2631 (1.9584)$$

$$Aof = 5152 \text{ MCF/D}$$

NOTE: Well blew dry gas



TESTED BY W. D. Welch

WITNESSED BY

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Well Test Engineer