

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE January 23, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit. #219	
Location 1170/N, 1700/E, Sec. 1, T24N, R7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2528'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2434	To 2494	Total Depth: PBD 2528 2517	Shut In 12-17-73
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 597	+ 12 = PSIA 609	Days Shut-In 36	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 4	+ 12 = PSIA 16	Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA		
Temperature: T = 50 °F	n = F <sub>t</sub> = 1.0098	F <sub>pv</sub> (From Tables) 1.004	Gravity .700	F <sub>g</sub> = .9258	

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

$$Q = 12.365(16)(1.0098)(.9258)(1.004) = \underline{\quad 186 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{370881}{370481} \right)^n = 186(1.0011)^{.85} = 186(1.0009)$$

$$Aof = \underline{\quad 186 \quad} \text{ MCF/D}$$

Note: Well blew dead in approx. 10 min.  
Then unload slugs of water at  
intervals thru out remainder of test.

TESTED BY Norton

WITNESSED BY \_\_\_\_\_

Loren W. Fothergill  
Loren W. Fothergill  
Well Test Engineer

