

EL PASO NATURAL GAS COMPANY  
**OPEN FLOW TEST DATA**

DATE October 11, 1977

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #277	
Location NE 28-25-07		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2 7/8	Set At: Feet 2639'	Tubing: Diameter T/C	Set At: Feet --
Pay Zone: From 2520	To 2600	Total Depth: 2639 PBD 2629	Shut In 9-7-77
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 460	+ 12 = PSIA 472	Days Shut-In 34	Shut-In Pressure, Tubing T/C	PSIG --	+ 12 = PSIA --
Flowing Pressure: P, PSIG 21	+ 12 = PSIA 33	Working Pressure: P <sub>w</sub> Calc.	PSIG 40	+ 12 = PSIA 40	
Temperature: T = 56 °F	n = .85	Fpv (From Tables) 1.004	Gravity .650	Fg = .9608	

CHOKE VOLUME = Q = C x P<sub>f</sub> x F<sub>f</sub> x F<sub>g</sub> x F<sub>pv</sub>

Q = 12.365(33)(1.004)(1.004)(.9608) = 395 MCF/D

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


Aof = Q  $\left( \frac{222784}{221184} \right)^n = 395 (1.0072)^{.85} = 395(1.0061)$

Aof = 397 MCF/D

Note: Well blew light fog of water throughout test. Well vented 395 MCF to atmosphere during test.

TESTED BY C. Brock

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

  
C. Brock  
 Well Test Engineer