

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE June 19, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #237 (CH)	
Location 1050/N, 800/E, Sec. 1, T25N, R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 2.875	Set At: Feet 3955'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3736	To 3844'	Total Depth: PBD 5302' 3946'	Shut In 5-23-74
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 723	+ 12 = PSIA 735	Days Shut-In 27	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 74	+ 12 = PSIA 86		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 112	
Temperature: T = 68 °F	F <sub>t</sub> = .9924	n = .75	F <sub>pv</sub> (From Tables) 1.0080	Gravity .660	F <sub>g</sub> = .9535

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

$$Q = 12.365 (86) (.9924) (.9535) (1.0080) = 1014 \text{ MCF/D}$$

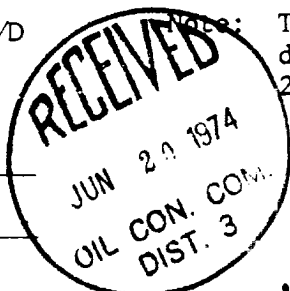
$$\text{OPEN FLOW} = Aof = Q \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = Q \left( \frac{540225}{527681} \right)^n = 1014(1.0238)^{.75} = 1014(1.0178)$$

$$Aof = 1032 \text{ MCF/D}$$

TESTED BY D. Norton

WITNESSED BY



Note: The well unloaded medium fog of distillate and water in approximately 2 minutes.

*Loren W. Fothergill*  
Loren W. Fothergill  
Well Test Engineer