

## OPEN FLOW TEST DATA

DATE 6-30-75

Operator El Paso Natural Gas Company		Lease Nye #12	
Location 1800/N, 1500'/W, Sec. 9, T29N, R10W		County San Juan	State New Mexico
Formation Fruitland		Pool Undes	
Casing: Diameter 2.875	Set At: Feet 2038'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 1982	To 1994'	Total Depth: PBDT 2038' 2027'	Shut In 6-10-75
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 729	+ 12 = PSIA 741	Days Shut-In 20	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 17	+ 12 = PSIA 29		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 34	
Temperature: T = 65 °F	n = Ft = .9952		Fpv (From Tables) 1.004	Gravity .650	Fg = .9608

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

$$Q = 12.365(29)(.9952)(.9608)(1.004) = \underline{\quad 344 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{549081}{547925} \right)^n = 344(1.0021)^{.85} = 344(1.0018)$$

$$Aof = \underline{\quad 345 \quad} \text{ MCF/D}$$

Note: Well blew light fog of water throughout test. Vented gas to atmosphere- 51 MCF.

TESTED BY NortonWITNESSED BY C. R. Wagner

*C. R. Wagner*  
Well Test Engineer

