

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 22, 1974

| | | | |
|---|-----------------------|----------------------------------|---------------------|
| Operator El Paso Natural Gas Company | | Lease Canyon Largo Unit #246 | |
| Location 800/S, 1600/E, Sec. 26, T25N, R7W | | County Rio Arriba | State New Mexico |
| Formation Pictured Cliffs | | Pool Ballard | |
| Casing: Diameter 2.875 | Set At: Feet 2853' | Tubing: Diameter No Tubing | Set At: Feet -- |
| Pay Zone: From 2680' | To 2726' | Total Depth: PBSD 2853' 2842' | Shut In 10-10-74 |
| 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 279 | + 12 = PSIA 291 | Days Shut-In 12 | Shut-In Pressure, Tubing No Tubing | PSIG -- | + 12 = PSIA -- |
| Flowing Pressure: P 86 | PSIG + 12 = PSIA 98 | | Working Pressure: P _w Calculated | PSIG 121 | + 12 = PSIA 121 |
| Temperature: T = 55 °F | F _t = 1.0048 | n = .85 | F _{pv} (From Tables) 1.011 | Gravity .700 | F _g = 0.9258 |

CHOKE VOLUME = Q = C x P_i x F_t x F_g x F_{pv}

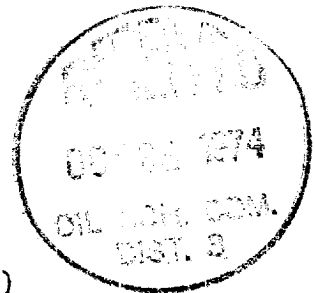
Q = 12.365(98)(1.0048)(0.9258)(1.011) = 1140 MCF/D

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

Aof = Q $\left(\frac{84681}{70040} \right)^n = 1140(1.2090)^{.85} = 1140(1.1751)$

Aof = 1339 MCF/D

Note: The well produced a light fog of distillate and water during the test.



TESTED BY Don Norton

WITNESSED BY _____

Loren W Fothergill
Loren W. Fothergill
Well Test Engineer