

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE June 11, 1975

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|--|-----------------------|---------------------------------|---------------------|
| Operator El Paso Natural Gas Company | | Lease Hancock B #12 | |
| Location 1745'/S, 840/W, Sec. 28, T28N, R9W | | County San Juan | State New Mexico |
| Formation Chacra | | Pool Harris Mesa Ext. | |
| Casing: Diameter 2.875 | Set At: Feet 3345' | Tubing: Diameter No Tubing | Set At: Feet |
| Pay Zone: From 3173' | To 3314' | Total Depth: PBD 3345' 3335' | Shut In 5-29-75 |
| Stimulation Method Sandwater Frac | | Flow Through Casing XX | Flow Through Tubing |

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|--|--------------------------------|-----------------------------|---|-----------------------|-------------------------|
| Choke Size, Inches 0.750 | | Choke Constant: C 12.365 | | Tubingless Completion | |
| Shut-In Pressure, Casing, PSIG 1000 | + 12 = PSIA 1012 | Days Shut-In 13 | Shut-In Pressure, Tubing PSIG No Tubing | + 12 = PSIA -- | |
| Flowing Pressure: P PSIG 105 | + 12 = PSIA 117 | | Working Pressure: P _w PSIG Calculated | + 12 = PSIA 148 | |
| Temperature: T = 68 °F | n = F _t = 0.9924 | | F _p (From Tables) 1.010 | Gravity .650 | F _g = 0.9608 |

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

$$Q = (12.365)(117)(0.9924)(0.9608)(1.010) = \underline{1393} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{1024144}{1002240} \right)^n = (1393)(1.0219)^{.75} = (1393)(1.0163)$$

$$Aof = \underline{1416} \text{ MCF/D}$$

Note: The well produced dry gas throughout the test. The well produced 384 MCF of gas during the test.

TESTED BY Frank Johnson

WITNESSED BY _____

H. E. McAnally
Well Test Engineer

