

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE June 4, 1975

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|--|-----------------------|----------------------------------|---------------------|
| Operator El Paso Natural Gas Company | | Lease Nye #13 | |
| Location 950/S, 850/W, Sec. 9, T29N, R10W | | County San Juan | State New Mexico |
| Formation Fruitland | | Pool Undes | |
| Casing: Diameter 2.875 | Set At: Feet 2048' | Tubing: Diameter No Tubing | Set At: Feet -- |
| Pay Zone: From 1966 | To 1970' | Total Depth: PBDT 2048' 2038' | Shut In 5-27-75 |
| 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 744 | + 12 = PSIA 756 | Days Shut-In 8 | Shut-In Pressure, Tubing PSIG No Tubing | + 12 = PSIA -- | |
| Flowing Pressure: P PSIG 64 | + 12 = PSIA 76 | Working Pressure: Pw PSIG Calculated | + 12 = PSIA 90 | | |
| Temperature: T = 64 °F | Ft = .9962 | n = .85 | Fpv (From Tables) 1.009 | Gravity .650 | Fg = .9608 |

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

$$Q = 12.365(76)(.9962)(.9608)(1.009) = \underline{\quad 908 \quad} \text{ MCF/D}$$

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

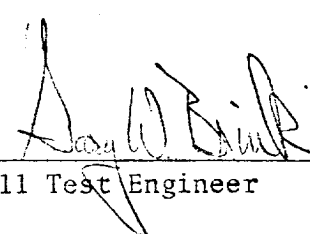
$$Aof = Q \left(\frac{571536}{563436} \right)^n = 908(1.0144)^{.85} = 908(1.0122)$$

$$Aof = \underline{\quad 919 \quad} \text{ MCF/D}$$

Note: Well produced dry flow throughout the test. During the test 130.38 MCF of gas was vented.

TESTED BY C. Rhames

WITNESSED BY _____


Well Test Engineer
