EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE August 27, 1973

| Operator | | Lease | | |
|------------------------------------|--------------|---------------------|---------------------|--|
| El Paso Natural Gas Company | | Lindrith Unit # 74 | | |
| ocation | | County | State | |
| 1700/N, 890/E Sec. 20, T-24N, R-2W | | Rio Arriba | New Mexico | |
| ormation | | Pool | | |
| Pictured Cliffs | | So. Blanco | | |
| Casing: Diameter | Set At: Feet | Tubing: Diameter | Set At: Feet | |
| 2.875 | 3236' | No Tubing | | |
| Pay Zone: From | То | Total Depth: | Shut In | |
| 30901 | 31421 | 3236' | 8-20-73 | |
| timulation Method | | Flow Through Casing | Flow Through Tubing | |
| Sand Water Frac | | x | | |

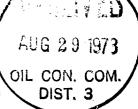
| Choke Size, Inches | | Choke Constant: C 12.365 | | | | | |
|-----------------------------|-------------|-----------------------------|--------------|------------------------------------|------|-------------------|----------|
| | | | | Tubingless Completion | | | |
| Shut-In Pressure, Casing, | PSIG 891 | + 12 = PSIA 903 | Days Shut-In | Shut-In Pressure, Tubing No Tubing | PSIG | + 12 = PSIA | |
| Flowing Pressure: P | PSIG 48 | + 12 = PSIA 60 | | Working Pressure: Pw Calculated | PSIG | + 12 = PSIA 76 | |
| Temperature: T= 59 °F Ft | =1.001 | n = .85 | | Fpv (From Tables) 1,004 | | Gravity .665 | Fg= 9498 |

CHOKE VOLUME = Q = C x Pt x Ft x Fg x Fpv

$$Q = (12.365)(60)(1.001)(.9498)(1.004)$$

OPEN FLOW = Aof = Q
$$\begin{pmatrix} 2 & P_c \\ P_c & P_w \end{pmatrix}$$

Aof =
$$Q\left(\frac{815409}{809633}\right)^{n}$$
 = $708 (1.0071) \cdot 85 = 708 (1.0061)$



Aof = 712 MCF/D Note: Well produced a very light

fog of water through out the test.

TESTED BY Broughton WITNESSED BY_____

Well Test Engineer