FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE __August 27, 1973__

Operator		Lease	
El Paso Natural Gas Company		Lindrith Unit #76	
Location		**County**	**State**
1490/S, 1710/W, Sec. 25, T24N, R3W		Rio Arriba	New Mexico
Formation		**Pool**	
Pictured Cliffs		So. Blanco	
Casing: Diameter 2.875	**Set At: Feet** 3291'	**Tubing: Diameter** No Tubing	**Set At: Feet**
Pay Zone: From 3200'	**To** 3230'	**Total Depth:** 3291'	**Shut In** 8-15-73
Stimulation Method Sand Water Frac		**Flow Through Casing** X	**Flow Through Tubing**

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion		
Shut-In Pressure, Casing, PSIG 872	**+ 12 = PSIA** 884	**Days Shut-In** 12	**Shut-In Pressure, Tubing** PSIG No Tubing		**+ 12 = PSIA**	
Flowing Pressure: P PSIG 131	**+ 12 = PSIA** 143		**Working Pressure: Pw** PSIG Calculated		**+ 12 = PSIA** 182	
Temperature: T= 63 °F Ft=.9971	**n =** .85		**Fpv (From Tables)** 1.014		**Gravity** .665 Fg = .9498	

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

$$Q = (12.365)(143).9917)(.9498)(1.014) = \underline{\qquad 1698 \qquad} \text{ MCF/D}$$

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

$$\text{Aof} = Q \left(\dfrac{781456}{748332} \right)^n = 1698(1.0443)^{.85} = 1698 (1.0375)$$

$$\text{Aof} = \underline{\qquad 1762 \qquad} \text{ MCF/D}$$

Note: Well produced a very light
for of water throughout the test.

TESTED BY __Broughton__

WITNESSED BY_____

__William D. Welch__
Well Test Engineer