EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE <u>April 24, 1974</u>

Operator		Lease		
El Paso Natural Gas Company		Lackey A #7		
Location		County	State	
850/S, 1550/E, Sec. 12, T29N, R10W		San Juan	New Mexico	
Formation		Pool		
Chacra		Undesignated		
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet	
2.875	3527'	No Tubing		
Pay Zone: From	To	Total Depth: PBTD	Shut In	
-	3452	3527' 3516	4-16-74	
3772		Flow Through Casing	Flow Through Tubing	
Stimulation Method		XX		
Sandwater Frac				

Choke Size, Inches	Choke Constant: C				
.750	12.365		Tubingless Completion		
Shut-In Pressure, Casing, PSIG		Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA
973	985	8	No Tubing		
Flowing Pressure: P PSIG			Working Pressure: Pw	PSIG	+ 12 = PSIA
13	25		Calculated		32
Temperature:	n =		Fpv (From Tables)		Gravity
T= 60 °F F+=1.000	. 75		1.0030		.645 Fg = .9645

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

$$Q = 12.365(25)(1.0000)(.9645)(1.0030)$$

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

Aof = Q
$$\left(\begin{array}{c} 970225 \\ 969201 \end{array}\right)$$
 = 299 (1.0011) \cdot 75=299(1.0008)



Note: The well produced a light mist of water throughout the test.

TESTED BY _____Hardy

WITNESSED BY_____

Loren w Fothersill

Loren W. Fothergill Well Test Engineer