EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE May 22, 1974

Operator		Lease			
El Paso Natural Gas Company		Johnston A Com F #16			
Location	. ·	County	State		
1650/N. 1570/E.	Sec. 36, T26N, R6W	Rio Arriba	New Mexico		
ormation		Pool			
Chacra		Otero			
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet		
2.875	3900'	No Tubing			
Pay Zone: From	То	Total Depth: PBTD	Shut In		
3724	3834	3900' 3858'	4-29-74		
Stimulation Method		Flow Through Casing	Flow Through Tubing		
Sandwater Frac		l xx			

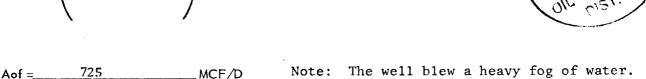
Choke Size, Inches		Choke Constant: C					
				Tubingless Completion			
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In			+ 12 = PSIA	
934		946	23	No Tubing			
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA	
48		60		Calculated		79	
Temperature:		n =		Fpv (From Tables)		Gravity	
T= 48 °F F+	1.0117	.75		1.004		.655	Fg = .9571

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{PV}

$$Q = 12.365(60)(1.0117)(9571)(1.004) = \frac{721}{1.004}$$
MCF/D

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

Aof = Q
$$\left(\begin{array}{c} 894916 \\ \hline 888675 \end{array}\right)^{\mathbf{n}} = 721(1.0070)^{.75} = 721(1.0053)$$



TESTED BY ______Jessee B. Goodwin

WITNESSED BY_____

Loren W. Fothergill
Well Test Engineer