EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

Operator El Paso Natural Gas Co. Location 1827S , 800E , S28 , T26N, R6W		Vaughn No. 10		
		County Rio Arriba	State New Mexico	
Formation		Pool		
Chacra		Otero		
Casing: Diameter 2.275	Set At: Feet 3561	Tubing: Diameter No tubing	Set At: Feet	
Pay Zone: From	То	Total Depth:	Shut In	
3404	3508	3561	11-17-69	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
SUF		мх		

Choke Size, Inches		Choke Constant: C 12.365				
				Tubingless Completion		
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing		+ 12 = PSIA
930 Flowing Pressure: P	PSIG	+ 12 = PSIA	1 12	No tubing. Working Pressure: Pw	PSIG	+ 12 = PSIA
98		110		Calc.		142
Temperature:		n =		Fpv (From Tables)		Gravity
T= 58 °F F+=	1.0019		.75	1.009		.660 Fg= .05 ZB

$$Q = 12.365 \times 110 \times 1.0019 \times .9535 \times 1.009 = 1311 MCF/D$$

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

Note: Unloaded light fog of distillate in approx. 3 minutes. Some paraffin choke. Dry gas rest of time.

Aof =
$$\left(\frac{887364}{867200}\right)^{n}$$
 = $(1.0232)^{.75} \times 1311 = 1.0173 (1311)$

OIL CONFICOM

TESTED BY _____T. D. Norton

WITNESSED BY_____