EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE April 25, 1974

Operator		Lease		
El Paso Natural Gas Company		Hubbell #10 (CH)		
Location		County	State	
1017/S, 990/E, Sec. 19, T29N, R10W		San Juan	New Mexico	
Formation		Pool		
Chacra		Undes		
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Fest	
2.875	2876'	No Tubing		
Pay Zone: From	То	Total Depth:	Shut In	
2812	2824	2876' 2866'	4-18-74	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sandwater Frac		XX		

Choke Size, Inches		Choke Constant: C				
				Tubingless Completion		
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	P\$IG	+ 12 = PSIA
1046		1058	7	No Tubing		
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA
77		89		Calculated		111
Temperature:		n =		Fpv (From Tables)		Gravity
•	1.0000	75		1.0090		.655 F9 = .9571

CHOKE VOLUME = Q = C x P, x F, x Fg x Fpx

Q = 12.365(89)(1.0000)(.9571)(1.0090)

= <u>1063</u> MCF/D

OPEN FLOW = Aof = Q
$$\begin{pmatrix} & & & \\ & \frac{p_c^2}{p_c^2 - p_w^2} & \end{pmatrix}^n$$

Aof = Q $\left(\begin{array}{c} \frac{1119364}{1107043} \end{array}\right)^{n} = 1063(1.0111) \cdot ^{75} = 1063(1.0083)$

Aof = 1072 MCF/D

Note: The well produced a light mist of

water throughout the test.

TESTED BY _____Fothergill WITNESSED BY _____McAnally _____

Loren w Fothergell

Loren W. Fothergill Well Test Engineer