EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE November 21, 1973

Operator El Paso Natural Gas Company Location 990/N, 990/E, Sec. 17, T27N, R4W Formation Mesa Verde		San Juan 27-4 Unit #16 (OWWO)		
		County Rio Arriba	State New Mexico	
		Pool Blanco		
Casing: Diameter 5 1/2	Set At: Feet 79901	Tubing: Diameter 2 3/8	Set At: Feet 5958 !	
Pay Zone: From 5712	To 59661	Total Depth: COTD 6000	Shut In 10-10-73	
Stimulation Method Sandwater Frac		Flow Through Casing X	Flow Through Tubing	

Choke Size, Inches	Orific	e (rifice Chake Constan	t:*C			
4''	2.500		32.64		Well tested thru 48/64 choke		
Shut-In Pressure, Ca	sing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA
1165			1177	42	709		721
Flowing Pressure: P		PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA
WH 267	MR 206		WH 279	MR 218	576		588
Temperature:			n =		Fpv (From Tables)		Gravity
r= 63 •F	Ft≃	.997	.75		1.023		.680 Fg = .9393

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

Q = Calculated from meter readings

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

Aof =
$$Q\left(\begin{array}{c} 1385329 \\ 1039585 \end{array}\right)^{n} = 4618 \ (1.3326)^{.75} = 4618 \ (1.2403)$$

NOV 2 6 1973
OIL CON. COM. DIST. 3

Aof = 5728 MCF/D

5728 MCF/D Note: Well produced 14 bbl.56 of gravity

oil, no water.

TESTED BY _____ Hardy & Broughton

WITNESSED BY_____

William D. Welch

William D. Welch Well Test Engineer