OPEN FLOW TEST DATA

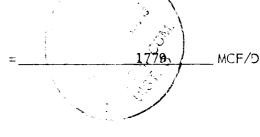
DATE May 28, 1975

Operator		Lease		
El Paso Natural Gas Company		Pierce A #1-A		
Location		County	State	
800'S, 1670'E, Sec. 13, T30N, R10W		San Juan	New Mexico	
Formation Mesa Verde		Blanco		
4,500	5693'	2.375	5185'	
Pay Zone: From	То	Total Depth: PBTD	Shut In	
49521	5634	5693' 5683'	5-13-75	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sandwater Frac			XX	

Cheke Size, Inches		Choke Constant: C				
2.50	4" M.R.	32.64		Well tested thru 3/4" variable choke.		
Shut-In Pressure, Casi 1085	ng, PSIG	+ 12 = PSIA 1097	Days Shut-In 15	Shut-In Pressure, Tubing 151	PSIG	- 12 = PSIA 163
Flowing Pressure: P 43 MR	PSIG 130 WH	+ 12 = PSIA 55 MR	142 WH	Working Pressure: Pw 494	PSIG	· 12 = PSIA 506
Temperature:		n =		Fpv (From Tables)		Gravity
T= 69 °F	$F_{t}=0.9915$	0.75		1.004		.700 Fg = 1.195

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

. Q = Calculated from orifice meter readings =_



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

Aof = Q
$$\left(\begin{array}{c} 1203409 \\ 947373 \end{array}\right)^{\mathbf{n}} = 1779(1.2703)^{.75} = 1779(1.1965)$$

Aof = 2129 MCF/D

fresh water in approximately 8 min.

During the test the well produced

39.14 Bbls of water and 12.36 Bbls.

Note: This well produced heavy slugs of

of 42.7° API gravity oil. Gas vented

to atmosphere 300.02 MCF.

TESTED BY Norton & Hardy
WITNESSED BY

Lary W. Brink