## OPEN FLOW TEST DATA

DATE February 22, 1977

Operator Koch Industries Location NW 13-31-10 Formation Mesa Verde		Walker #1 R			
		County San Juan	New Mexico		
		Pool Blanco			
Casing: Diameter 4 1/2	Set At: Feet 5660 t	Tubing: Dlameter 2 3/8"	Set At: Feet 5977'		
Pay Zone: From 4916	т <b>.</b> 5996	Total Depth: 6039	Shut In 2-12-77		
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX		

Choke Size, Inches		Choke Constant: C 12.365						
Shut-In Pressure, Casing,	PSIG 705	+ 12 = PSIA 717	Days Shut-In 10	Shut-in Pressure, Tubing	PSIG 704	+ 12 = PSIA 716		···
Flowing Pressure: P	PSIG 221	+ 12 = PSIA 233		Working Pressure: Pw	PSIG 616	+ 12 = PSIA 628		
Temperature:	=+= .9905	n = .75		Fpv (From Tables) 1.024		Gravity .670	Fg=	.9463

$$Q = 12.365(233)(.9905)(.9463)(1.024)$$

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

Aof = 
$$0\left(\begin{array}{c} 514089 \\ \hline 119705 \end{array}\right)^{\mathbf{n}} = (2765)(4.2946)^{-.75} = (2765)(2.9833)$$

Note: Very light fog of oil and water

throughout test.

TESTED BY \_\_\_\_\_\_ Tim Thurstonson & C. R. Wagner

WITNESSED BY Jack Jackson- Koch Ind.

C.N. Clagnin

Well Test Engineer