OPEN FLOW TEST DATA

DATE June 10, 1975

Operator		Lease	
Koch Exploration Company		Cain #1-A	

Location		County	State
1000' N, 940'W, Sec. 20, T31N, R10W		San Juan	New Mexico

Formation		Pool	
Mesa Verde		Blanco	

Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet
4.500	5348'	2.375	5259'

Pay Zone: From	To	Total Depth:	Shut In
4266	5256'	5350'	5-28-75

Stimulation Method		Flow Through Casing	Flow Through Tubing
Sandwater Frac			XX

Choke Size, Inches	Choke Constant: C		
0.750	12.365		

Shut-In Pressure, Casing, PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA
770	782	13	684	696

Flowing Pressure: P PSIG	+ 12 = PSIA	Working Pressure: Pw PSIG	+ 12 = PSIA
292	304	705	717

Temperature:	n =	Fpv (From Tables)	Gravity
T= 65 °F Ft=0.9952	0.75	1.031	0.675 Fg = 0.9427

CHOKE VOLUME $= Q = C \times P_t \times F_t \times F_g \times F_{pv}$

$$Q = (12.365)(304)(0.9952)(0.9427)(1.031) = \underline{\quad 3636 \quad} \text{ MCF/D}$$

OPEN FLOW $= Aof = Q \left(\dfrac{P_c^2}{P_c^2 \quad P_w^2} \right)^n$

$$Aof = Q \left(\dfrac{611524}{97435} \right)^n = (3636)(6.2762)^{.75} = (3636)(3.9653)$$

$$Aof = \underline{\quad 14418 \quad} \text{ MCF/D}$$

Note: The well unloaded a slug of water and oil after 4 minutes and then produced a light spray of water and oil throughout the remainder of the test.
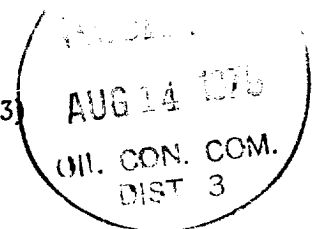
TESTED BY _____ T. D. Norton (EPNG) _____

WITNESSED BY _____ Jackson (Koch) _____

J. E. McAnally
Well Test Engineer

AUG 14 1975
OIL. CON. COM.
DIST 3