OPEN FLOW TEST DATA

DATE ___August 12, 1975___

Operator		Lease	
Koch Industries		Walker #2-A (MV)	

Location		County	State
1165/S, 790/E, Sec. 10, T31N, R10W		San Juan	New Mexico

Formation		Pool	
Mesa Verde		Basin	

Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet
4.500	5507'	2.375	5463'

Pay Zone: From	To	Total Depth:	Shut In
4456'	5463'	5475'	6-26-75

Stimulation Method		Flow Through Casing	Flow Through Tubing
Sandwater Frac			XX

Choke Size, Inches	Choke Constant: C				
0.75	12.365				

Shut-In Pressure, Casing, PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA	
788	800	47	788	800	

Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: Pw PSIG	+ 12 = PSIA	
402	414		743	755	

Temperature: T= 72 °F Ft= .9887	n = 0.75	Fpv (From Tables) 1.039	Gravity 0.650 Fg = .9608

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

$$Q = (12.365)(414)(.9887)(.9608)(1.039) \qquad = \underline{\quad 5,053 \quad} \text{ MCF/D}$$

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

$$A_{of} = Q \left(\frac{640000}{69975} \right)^n = (5063)(9.1461)^{.75} = (5053)(5.2593)$$

$$A_{of} = \underline{\quad 26,575 \quad} \text{ MCF/D}$$

TESTED BY ___Norton___

WITNESSED BY_____

Charles W ....
Well Test Engineer