EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE ___April 3, 1975

Operator		Lease		
El Paso Natural Gas Company		Howell K #3-A		
Location		County	State	
1630/S, 1030/E, Sec. 15, T30N, R8W		San Juan	New Mexico	
Formation		Pool		
Mesa Verde		Blanco		
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet	
4.500	5828'	2.375	5770'	
Pay Zone: From	То	Total Depth: PBTD	Shut In	
50731	5791'	5828' 5811'	3-11-75	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sandwater Frac			XX	

Plate Choke Size, Inches	Choke Constant: C 32.64			
2.500" Plate, 4" M.R.			Tested through a 3/4" variable choke.	
Shut-In Pressure, Casing, PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA
621	633	23	597	609
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: Pw PSIG	+ 12 = PSIA
223 W.H., 75 M.R.	235 W.H.	, 87 M.R.	568	580
Temperature:	n =		Fpv (From Tables)	Gravity
T= 53 °F Ft=1.0068	. 75		1.009	.656 Fg = 1.235

CHOKE VOLUME = Q = C x Pt x Ft x Fg x Fpv

Q = Calculated from orifice meter readings = _____ MCF/D

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

Aof = Q
$$\left(\begin{array}{c} 400689 \\ 64289 \end{array}\right)$$
 = 2941(6.2326) \cdot 75=2941(3.9446)



Aof = 11,601 MCF/D

Note: The well did not produce enough liquid to dump to the tank. The well produced 371 MCF gas during

the test.

TESTED BY H. E. McAnally & C. Rhames

WITNESSED BY_____

Loren w Fotherall
Well Test Engineer