EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE September 17, 1975

Operator El Paso Natural Gas Company		Howell A #2-A			
Location 900/N, 1650/W, Sec. 5, T30N, R8W		County San Juan	State New Mexico		
Formation Mesa Verde		Pool Blanco			
Casing: Diameter 4.500	Set At: Feet 57341	Tubing: Diameter 2.375	Set At: Feet 56481		
Pay Zone: From 4875	т . 5651'	Total Depth: PBTD 5736' 5718'	Shut In 8-26-75		
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX		

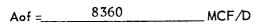
Cheke Size, Inches 2.500 M.R. 4" Choke Constant: C 32.64		Tested thru 3/4" variable choke				
Shut-In Pressure, Casing, PSIG	+ 12 = PSIA 555	Days Shut-In 22	Shut-In Pressure, Tubing 496	PSIG	+ 12 = PSIA 508	
Flowing Pressure: P PSIG WH 161 M.R. 51	+ 12 = PSIA WH 173	M.R. 63	Working Pressure: Pw 498	PSIG	+ 12 = PSIA 510	
Temperature: T = 59 °F	n = .75		Fpv (From Tables) 1.009		Gravity .664	Fg = 1.227

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

Q = Calculated from orifice meter reading = ______ MCF/D

OPEN FLOW = Aof = Q
$$\begin{pmatrix} & & & \\ & \frac{2}{P_c} & \\ & P_c & P_w \end{pmatrix}$$

Aof = Q
$$\left(\begin{array}{c} 308025 \\ 47925 \end{array}\right)$$
 = 2071(6.427) .75 = 2071 (4.037)



Note: This well made 9.31 Bbl of water throughout the test. Gas vented to the atmosphere was 241,54 MCF.

TESTED BY Johnson

WITNESSED BY Wagner

