## EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

July 6, 1965

DATE

Cperotor El Paso Natural Gas Company		Hubbard No. 1 (OWWO)		
Location 18 <sup>1</sup> +5'S, 1690'E, Se	ction 30, T-32-N, R-11-W	County San Juan	State New Mexico	
Formation Mesa Verde		Pool Blanco		
Casing: Diameter 4.500	Set At: Feet 5509	Tubing: Diameter 2.375	Set At: Feet 5447	
Pay Zone: From 4764	<b>T•</b> 5468	Total Depth: 5510	Shut In 6-27-65	
Stimulation Method Sand Wate	er Frac	Flow Through Casing	Flow Through Tubing	

Choke Size, Inches	.750		Choke Constant				
Shut-In Pressure, Co	800	PSIG	+ 12 = PSIA 812	Days Shut-In	Shut-In Pressure, Tubing P	2\$IG	+ 12 = PSIA 813
Flowing Pressure: P	263	PSIG	+ 12 = PSIA	275	Working Pressure: Pw 682	SIG	+ 12 = PSIA 694
Temperature: T= 85 °F	Ft=	9768	n = •75		Fpv (From Tables) 1.023		Gravity .655 Fg = .9571

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

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

Aof = 
$$\begin{pmatrix} \frac{660,969}{179,333} \end{pmatrix}^n = (3252) (3.6857)^{.75} = (3252) (2.6601) \text{ pist. 3}$$

Well produced a light fog of water until near the end of the test, when it started making small slugs of water the last few minutes of the test.

TESTED BY	Don Norton			
CALCULATED BY	H. E. McAnally			
CHECKED BY	T. B. Grant			