Operator El Paso Natural Gas		Lease	
		Hardie No. 2 (OWWO)	
Location .		County	State
990'S,990'W Sec. 25, T-29N, R-8W		San Juan	New Mexico
Formation		Pool	
Mesa Verde		Blanco	
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet
4.500	5423	1.660	5254
Pay Zone: From	То	Total Depth:	Shut In
4588	5 290	5423	12-31-68
Stimulation Method		Flow Through Casing	Flow Through Tubing
Sand water frac		∥ x	[

Choke Size, Inches	Choke Constant: C		
2.750 plate; 4" M. R.	41.9208	Tested through a 3/4" var	riable choke
Shut-In Pressure, Casing, PSIG 7714	+ 12 = PS1A Days Shut-In 786	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA 147
Flowing Pressure: P PSIG 118 M.R.; 360 W. H.	+ 12 = PSIA 130 M.R.; 372 W.H.	Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 573
Temperature: T = 53 °F Ft=1.0068	n = •75	Fpv (From Tables) 1.015	Gravity .706 Fg = 1.1901

CHOKE VOLUME = Q = C x P, x F, x Fg x Fpv

Q = Calculated from orifice meter readings = 3671 MCF/D

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

Aof = 6482 MCF/D

TESTED BY Don Norton and Jesse Goodwin Calculated

WKKKESSED BY G. A. Lippman

JAN 9 1969 OIL CON. COM. DIST. 3

H. L. Kendrick