## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE June 21, 1978

Operator El Paso Natural Gas Company		Neil #3-A (MV)			
NW 15-31-11		San Juan	New Mexico		
Formation		Pool			
Mesa Verde		Blanco			
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet		
4.500	5297'	2 3/8	5182'		
Pay Zone: From	То	Total Depth:	Shut In		
4868	5211	5297	3-14-78		
Stimulation Method		Flow Through Casing	Flow Through Tubing		
Sandwater Frac			XXX		

Choke Size, Inches		Choke Constant	: C				
.750		12.365					
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA	
			7		798_	810	
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA	
298		310		Calc.		606	
Temperature:		n =		Fpv (From Tables)		Gravity	
T= 69 °F F+=	.9924	.75		1.029		.650	Fg = .9608

CHOKE VOLUME = Q = C x P<sub>t</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>PV</sub> 
$$Q = 12.365(310)(.9924)(.9608)(1.029) = 3761 \text{ MCF/D}$$

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

Aof = 
$$Q\left(\begin{array}{c} \frac{656100}{288864} \end{array}\right)^{n}$$
 =  $(2.2713)^{-.75}$  =  $(3761)$  =  $(1.8502)(3761)$ 

TESTED BY \_\_\_\_\_\_ D. Wright \_\_\_\_\_\_ WITNESSED BY\_\_\_\_\_\_

Note: Well blew a very light fog of water throughout test. Well vented 369 MCF to the atmosphere during the test.

Well Test Engineer