## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE July 10, 1978

Operator		Lease		
El Paso Natural Gas Company		Neil #9-A (MV)		
Location		County	State	
NW 4-31-11		San Juan	New Mexico	
Formation		Pool		
Mesa Verde		Blanco		
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet	
4.500	55891	2 3/8"	54081	
Pay Zone: From	То	Total Depth:	Shut In	
5030	<u>5</u> 507!	55891	7-2-78	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sandwater Frac			XX	

Choke Size, Inches		Choke Constant: C				
.750		12.3650				
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA
			8	550		562
Flowing Pressure: P	PSIG	+ 12 = PSIA 252		Working Pressure: Pw Calc.	PSIG	+ 12 = PSIA 497
Temperature: T= 71°F	Ft= .9896	n =		Fpv (From Tables) 1.023		Gravity .650 Fg = .9608

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

Q = 12.365(252)(.9896)(.9608)(1.023)

\_\_\_\_\_\_\_MCF/D

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

Aof = Q 
$$\left(\begin{array}{c} 302500 \\ \overline{55491} \end{array}\right)^{n} = (5.4513)^{-.75} = (3031) = (3.5676)(3031)$$

 $Aof = 10.813 \qquad MCF/D$ 

Note: Well blew heavy fog of water throughout test. Well vented 303 MCF to the atmosphere during test.

TESTED BY \_\_\_\_\_\_D. Wright
WITNESSED BY\_\_\_\_\_\_

Well Test Engineer