

# EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE May 8, 1978

Operator <b>El Paso Natural Gas Company</b>		Lease <b>Kernaghan #3-A</b>	
Location <b>SE 29-31-08</b>		County <b>San Juan</b>	State <b>New Mexico</b>
Formation <b>Mesa Verde</b>		Pool	
Casing: Diameter <b>4.500</b>	Set At: Feet <b>5958'</b>	Tubing: Diameter <b>2 3/8</b>	Set At: Feet <b>5916'</b>
Pay Zone: From <b>5112</b>	To <b>5911'</b>	Total Depth: <b>5958'</b>	Shut In <b>4-17-78</b>
Stimulation Method <b>Sandwater Frac</b>		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA	
<b>572</b>	<b>584</b>	<b>21</b>	<b>431</b>	<b>443</b>	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P <sub>w</sub> PSIG	+ 12 = PSIA	
Temperature: T = °F Ft =	n =		F <sub>pv</sub> (From Tables)	Gravity F <sub>g</sub> =	

$$\text{CHOKE VOLUME} = Q = C \times P_f \times F_f \times F_g \times F_{pv}$$

Q =

= \_\_\_\_\_ MCF/D

$$\text{OPEN FLOW} = Aof = Q \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left( \frac{\quad}{\quad} \right)^n =$$

Aof = \_\_\_\_\_ MCF/D

TESTED BY R. Headrick

WITNESSED BY \_\_\_\_\_

*C. R. Wagner*  
Well Test Engineer