

## OPEN FLOW TEST DATA

DATE December 8, 1977

Operator <b>El Paso Natural Gas Company</b>		Lease <b>San Juan 28-5 Unit #97</b>	
Location <b>NE 14-28-5</b>		County <b>Rio Arriba</b>	State <b>New Mexico</b>
Formation <b>Dakota</b>		Pool <b>Basin</b>	
Casing: Diameter <b>4 1/2</b>	Set At: Feet <b>8638</b>	Tubing: Diameter <b>1 1/2</b>	Set At: Feet <b>8593</b>
Pay Zone: From <b>8517</b>	To <b>8596</b>	Total Depth: <b>8638</b>	Shut In <b>11-23-77</b>
Stimulation Method <b>SWF</b>		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG <b>2702</b>	+ 12 = PSIA <b>2714</b>	Days Shut-In <b>15</b>	Shut-In Pressure, Tubing PSIG <b>2041</b>	+ 12 = PSIA <b>2053</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> =	

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

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 John Easley

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

