

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE May 15, 1979

Operator <b>El Paso Natural Gas Company</b>		Lease <b>San Juan 28-7 Unit #251</b>	
Location <b>NE 31-28-7</b>		County <b>Rio Arriba</b>	State <b>New Mexico</b>
Formation <b>Dakota</b>		Pool <b>Basin</b>	
Casing: Diameter <b>4.500</b>	Set At: Feet <b>7075</b>	Tubing: Diameter <b>1 1/2</b>	Set At: Feet <b>7016</b>
Pay Zone: From <b>6824</b>	To <b>7002</b>	Total Depth: <b>7075</b>	Shut In <b>5-8-79</b>
Stimulation Method <b>Sand Water Frac</b>		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG <b>2423</b>	+ 12 = PSIA <b>2335</b>	Days Shut-In <b>7</b>	Shut-In Pressure, Tubing PSIG <b>2318</b>	+ 12 = PSIA <b>2330</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> =	

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

Q =

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

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

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

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

TESTED BY N. Wagoner

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



*C.R. Wagoner*  
Well Test Engineer