

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE December 21, 1978

Operator <b>El Paso Natural Gas Company</b>		Lease <b>S.J. 29-7 Unit #114</b>	
Location <b>SW 33-29-07</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>7840'</b>	Tubing: Diameter <b>1.900</b>	Set At: Feet <b>7774'</b>
Pay Zone: From <b>7606</b>	To <b>7795</b>	Total Depth: <b>7840'</b>	Shut In <b>12-14-78</b>
Stimulation Method <b>Sandwater Frac</b>		Flow Through Casing	Flow Through Tubing <b>XX</b>

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, <b>2525</b>	PSIG	+ 12 = PSIA <b>2537</b>	Days Shut-In <b>7</b>	Shut-In Pressure, Tubing <b>2228</b>	PSIG
				+ 12 = PSIA <b>2240</b>	
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: P <sub>w</sub>	PSIG
				+ 12 = PSIA	
Temperature: T = °F      Ft =		n =		Fpv (From Tables)	Gravity Fg =

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

Q =

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

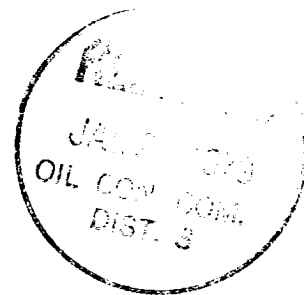
$$\text{OPEN FLOW} = Aof = Q \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

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

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

TESTED BY Norman Waggoner

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



*H. E. Mally*  
Well Test Engineer