

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE January 27, 1978

Operator <b>El Paso Natural Gas Company</b>		Lease <b>Mansfield #2A</b>	
Location <b>NW 19-30-09</b>		County <b>San Juan</b>	State <b>New Mexico</b>
Formation <b>Mesa Verde</b>		Pool <b>Blanco</b>	
Casing: Diameter <b>4 1/2</b>	Set At: Feet <b>5509'</b>	Tubing: Diameter <b>2 3/8</b>	Set At: Feet <b>5430'</b>
Pay Zone: From <b>4461</b>	To <b>5421</b>	Total Depth: <b>5509'</b>	Shut In <b>1-20-78</b>
Stimulation Method <b>Sandwater Frac</b>		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG <b>687</b>	+ 12 = PSIA <b>699</b>	Days Shut-In <b>7</b>	Shut-In Pressure, Tubing PSIG <b>297</b>	+ 12 = PSIA <b>309</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> =		

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

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 Headrick

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



*C.R. Wagner*  
Well Test Engineer