

# EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE April 1, 1976

Operator El Paso Natural Gas Company		Lease Pinon Mesa D #2	
Location SE 13-31-14		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6504'	Tubing: Diameter 2.375	Set At: Feet 6349'
Pay Zone: From 6230	To 6388'	Total Depth:	Shut In 3-25-76
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, 1820	PSIG	+ 12 = PSIA 1832	Days Shut-In 7	Shut-In Pressure, Tubing 1826	PSIG
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: P <sub>w</sub>	PSIG
Temperature: T = °F		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

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

After frac gauge (used for sizing equipment only)=  
650 MCF/D.

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

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

TESTED BY Jess Goodwin

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



*[Signature]*  
Well Test Engineer