

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 10-2-78

Operator El Paso Natural Gas Company		Lease Atlantic #9	
Location NE 22-51-10		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2 7/8	Set At: Feet 3313'	Tubing: Diameter T/C	Set At: Feet --
Pay Zone: From 3084'	To 3110	Total Depth: 3313'	Shut In 9-25-78
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 602	+ 12 = PSIA 614	Days Shut-In 7	Shut-In Pressure, Tubing PSIG --	+ 12 = PSIA --	
Flowing Pressure: P PSIG	+ 12 = PSIA	Working Pressure: P _w PSIG	+ 12 = PSIA		
Temperature: T = °F F _t =	n =	F _{pv} (From Tables)	Gravity F _g =		

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

$$Q = \text{_____ MCF/D}$$

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

$$Aof = \left(\text{_____} \right)^n = \text{After frac gauge} = 1445 \text{ MCF/D. Used for sizing equipment only.}$$

$$Aof = \text{_____ MCF/D}$$

TESTED BY J. Thurstonson

WITNESSED BY _____

C. R. Wagner
Well Test Engineer