

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 10-3-78

Operator El Paso Natural Gas Company		Lease Turner #5	
Location NW 18-30-09		County San Juan	State New Mexico
Formation Fruitland		Pool Aztec	
Casing: Diameter 2 7/8	Set At: Feet 3063'	Tubing: Diameter T/C	Set At: Feet --
Pay Zone: From 2675	To 2819	Total Depth: 3063'	Shut In 9-26-78
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 997	+ 12 = PSIA 1009	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 =

= _____ MCF/D

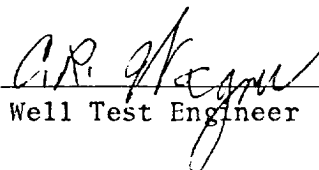
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n = \text{After frac gauge} = 2774 \text{ MCF/D. Used for sizing equipment only.}$$

Aof = _____ MCF/D

TESTED BY R. Headrick

WITNESSED BY _____


Well Test Engineer