

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE April 12, 1976

Operator El Paso Natural Gas Company		Lease Howell L #3-A	
Location NW 35-30-08		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5476'	Tubing: Diameter 2.375	Set At: Feet 5438'
Pay Zone: From 4564'	To 5435'	Total Depth: 5476'	Shut In 4-4-76
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C				
Shut-In Pressure, Casing, 586	PSIG	+ 12 = PSIA 598	Days Shut-In 8	Shut-In Pressure, Tubing 347	PSIG	+ 12 = PSIA 359
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: P _w	PSIG	+ 12 = PSIA
Temperature: T = °F		n =		F _{pv} (From Tables)		Gravity F _g =

CHOKE VOLUME = Q = C × P_t × F_t × F_g × F_{pv}

Q =

= _____ MCF/D

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

After frac gauge (to be used only for
sizing equipment) = 3733



TESTED BY T. D. Norton

WITNESSED BY _____

[Signature]
Well Test Engineer