

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 13, 1978

Operator El Paso Natural Gas Company		Lease Lucerne A #7	
Location SE 9-31-10		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3135'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2990	To 3034	Total Depth: 3133'	Shut In 9-6-78
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches		Choke Constant: C		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 612	+ 12 = PSIA 624	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

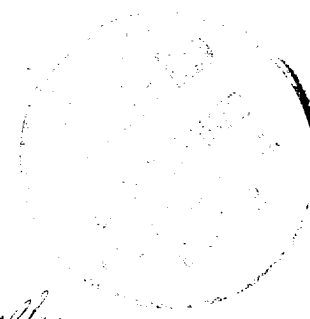
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

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

Aof = _____ MCF/D

TESTED BY J. Thurstonson

WITNESSED BY _____


H. E. McInally
 Well Test Engineer