

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 22, 1974

Operator El Paso Natural Gas Company		Lease Forrest #4	
Location 1650/S, 1650/W, Sec. 35, T30N, R11W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.375	Set At: Feet 2262'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2100'	To 2144'	Total Depth: PBDT 2262' 2252'	Shut In 4-8-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 237	+ 12 = PSIA 249	Days Shut-In 44	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 107	+ 12 = PSIA 119		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 141	
Temperature: T = 67 °F	n = Ft = .9933		Fpv (From Tables) 1.0100	Gravity .655 Fg = .9571	

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

$$Q = 12.365(119)(.9933)(.9571)(1.0100) = \underline{1413} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{62001}{42120} \right)^n = 1413(1.4720)^{.85} = 1413(1.389) = \underline{1957} \text{ MCF/D}$$

$$Aof = \underline{1957} \text{ MCF/D}$$

Note: The well blew a light fog of water.

TESTED BY L. W. Fothergill

WITNESSED BY _____

Loren W FothergillLoren W. Fothergill
Well Test Engineer