

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 22, 1974

Operator El Paso Natural Gas Company		Lease Forrest #2	
Location 1690/S, 1030/E, Sec. 26, T30N, R11W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2504'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2332	To 2367	Total Depth: PBTD 2504' 2494'	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 421	+ 12 = PSIA 433	Days Shut-In 44	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 45	+ 12 = PSIA 57		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 69	
Temperature: T = 63 °F	n = .85		F _{pv} (From Tables) 1.0040	Gravity .655	F _g = .9571

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

$$Q = 12.365(57)(.9971)(.9971)(1.0040) = \underline{\quad 675 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{187489}{182728} \right)^n = 675(1.0261)^{.85} = 675(1.0221)$$

$$Aof = \underline{\quad 690 \quad} \text{ MCF/D}$$

Note: The well blew a very light fog of water.

TESTED BY L. W. Fothergill

WITNESSED BY _____

Loren W Fothergill
Loren W. Fothergill
Well Test Engineer

