

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 5, 1974

Operator El Paso Natural Gas Company		Lease Hubbell #4	
Location 1545/S, 850/W, Sec. 7, T29N, R10W		County San Juan	State New Mexico
Formation Chacra		Pool Undes	
Casing: Diameter 2.875	Set At: Feet 3266'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3200	To 3216	Total Depth: PBTD 3266' 3256'	Shut In 5-28-74
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 1079	+ 12 = PSIA 1091	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 85	+ 12 = PSIA 97		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 123	
Temperature: T = 70 °F	n = .75		Fpv (From Tables) 1.0080	Gravity .655	Fg = .9571

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = 12.365(97)(.9905)(.9571)(1.0080) = \underline{\hspace{2cm}} 1146 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{1190281}{1175152} \right)^n = 1146(1.0129)^{.75} = 1146(1.0096)$$

$$Aof = \underline{\hspace{2cm}} 1157 \text{ MCF/D}$$

Note: The well blew a heavy fog of water.

TESTED BY L. W. Fothergill

WITNESSED BY _____



Loren W Fothergill
Loren W. Fothergill
Well Test Engineer