

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 16, 1972

Operator El Paso Natural Gas Company		Lease Hubbell No. 7	
Location 1050/S, 890/E, Sec. 7 - 29N - 10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2148	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2038	To 2080	Total Depth: 2148	Shut In 6-7-72
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 377	+ 12 = PSIA 389	Days Shut-In 9	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 = 62 °F	Ft = .9981	n = .85	Fpv (From Tables) 1.010	Gravity .635	Fg = .9721

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

$$Q = (12.365)(119)(.9981)(.9721)(1.010) = 1442 \text{ MCF/D}$$

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

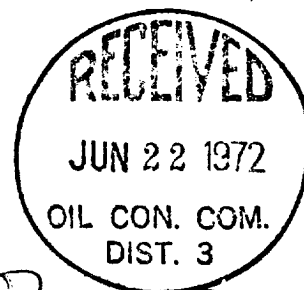
NOTE: Light fog of water and distillate in approximately five minutes.

$$Aof = \left(\frac{151321}{131440} \right)^n = (1442)(1.1513)^{.85} = (1442)(1.1272)$$

$$Aof = 1625 \text{ MCF/D}$$

TESTED BY Don Norton

WITNESSED BY



 L. E. Mabe, Jr.