

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE June 20, 1972

Operator El Paso Natural Gas Company		Lease Rincon No. 192	
Location 1700/S, 1700/W Sec. 1 T 26N R 7W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7384	Tubing: Diameter 2.375	Set At: Feet 7212
Pay Zone: From 7048	To 7240	Total Depth: 7384	Shut In 6-13-72
Stimulation Method S.W.F.		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2503	+ 12 = PSIA 2515	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1850	+ 12 = PSIA 1862	
Flowing Pressure: P PSIG 298	+ 12 = PSIA 310		Working Pressure: P <sub>w</sub> PSIG 796	+ 12 = PSIA 808	
Temperature: T = 86 °F	F <sub>t</sub> = .9759	n = .75	F <sub>pv</sub> (From Tables) 1.025	Gravity .650	F <sub>g</sub> = .9608

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

$$Q = (12.365)(310)(.9759)(.9608)(1.025) = 3684 \text{ MCF/D}$$

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

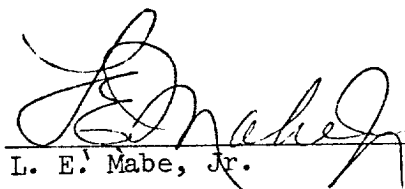
NOTE: Blew heavy fog of water and light hydrocarbons.

$$Aof = \left( \frac{6325225}{5672361} \right)^n = (1.1151)^{.75} (3684) = (3884)(1.0851)$$

$$Aof = 3997 \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY \_\_\_\_\_



L. E. Mabe, Jr.

