

Ock

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE 11/27/72

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo Unit #188	
Location 990/S, 1650/W, Sec. 33, T-25-N, R-6-W		County Rio Arriba	State NM
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6796	Tubing: Diameter 2.375	Set At: Feet 6616
Pay Zone: From 6448	To 6640	Total Depth: 6796	Shut In 11/20/72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2062	+ 12 = PSIA 2074	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 2091	+ 12 = PSIA 2103	
Flowing Pressure: P PSIG 91	+ 12 = PSIA 103		Working Pressure: P <sub>w</sub> PSIG 327	+ 12 = PSIA 339	
Temperature: T = 61 °F      F <sub>t</sub> = .9990	n = .75		F <sub>pv</sub> (From Tables) 1.009	Gravity 0.670      F <sub>g</sub> = .9463	

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

$$Q = (12.365)(103)(.9990)(.9463)(1.009) = \underline{1215} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{4301476}{4186555} \right)^n = (1215)(1.0275)^{.75} = (1215)(1.0205)$$

$$Aof = \underline{1240} \text{ MCF/D}$$

NOTE: Well produced a medium fog of H<sub>2</sub>O and distillate thru test.

TESTED BY Norton

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

*William D Welch*

William D. Welch  
Well Test Engineer

