

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 9/12/72

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #188	
Location 990/S, 1650/W, Sec. 33-T25N-R6W		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 8-18-72
Stimulation Method S/F		Flow Through Casing	Flow Through Tubing X

plate Coke Size, Inches 2.750		plate Coke Constant: C 41.10			
Shut-In Pressure, Casing, PSIG 2261	+ 12 = PSIA 2273	Days Shut-In 25	Shut-In Pressure, Tubing PSIG 2285	+ 12 = PSIA 2297	
Flowing Pressure: P mr=8 wh=34 PSIG	+ 12 = PSIA mr=20 wh=46		Working Pressure: Pw 443 PSIG	+ 12 = PSIA 455	
Temperature: T = 93 °F Ft = .9697	n = .75		Fpv (From Tables) 1.003	Gravity .670 Fg = 1.222	

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

Q = calculated from meter readings

= 175 MCF/D

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

$$A_{of} = \left(\frac{5 \ 276 \ 209}{5 \ 069 \ 184} \right)^n = (175)(1.0408)^{.75} = (175)(1.0305) = 180 \text{ MCF/D}$$

Aof = 180 MCF/D

NOTE: Well produced 11.4 bbls of 56.6 gravity oil and 15.6 bbls of water during 3 hr test.

TESTED BY Roger Hardy & B. J. Broughton

WITNESSED BY _____

J. A. Jones
J. A. Jones
Well Test Engineer

