

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DCE

DATE 9/7/72

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #185	
Location 1650/S, 1600/W, Sec. 3-T24N-R6W		County Rio Arriba	State NM
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6710	Tubing: Diameter 2.375	Set At: Feet 6584
Pay Zone: From 6384	To 6596	Total Depth: 6710	Shut In 7/31/72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XX

Meter Choke Size, Inches 4" mr 2.750 plt		Choke Constant: C 41.10		tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 2352	+ 12 = PSIA 2364	Days Shut-In 38	Shut-In Pressure, Tubing PSIG 1674	+ 12 = PSIA 1686	
Flowing Pressure: P mr-42 wh88 PSIG	+ 12 = PSIA mr-54 wh-100		Working Pressure: P _w 88 PSIG	+ 12 = PSIA 100	
Temperature: T = 75 °F F _t = .9859	n = .75		F _{pv} (From Tables) 1.004	Gravity .670	F _g = 1.222

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

$$Q = \text{calculated from meter readings} = 994 \text{ MCF/D}$$

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

$$Aof = \left(\frac{5588496}{5578496} \right)^n = 994 \times 1.0018^{.75} = 994 \times 1.0013 = 996$$

$$Aof = 996 \text{ MCF/D}$$

NOTE: Well produced 10.49 bbls. of 27.8 gravity oil and 36 bbls of water in three hours.

TESTED BY Don Norton & Jess Goodwin

WITNESSED BY _____

J. A. Jones
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Well Test Engineer

