

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

OCC

RE-TEST

DATE 1/12/73

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo U. #187	
Location 1700-400/S, 1840/E, Sec. 20, T25N, R6W		County Rio Arriba	State NM
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7320	Tubing: Diameter 2.375	Set At: Feet 7078
Pay Zone: From 6966	To 7111	Total Depth: 7320	Shut In 12/20/72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing X

Plate Size, Inches 2.750		Plate Constant: C 41.10			
Shut-In Pressure, Casing, PSIG 2144	+ 12 = PSIA 2156	Days Shut-In 23	Shut-In Pressure, Tubing PSIG 2087	+ 12 = PSIA 2099	
Flowing Pressure: P PSIG 102	+ 12 = PSIA 114		Working Pressure: Pw PSIG 333	+ 12 = PSIA 345	
Temperature: T = 83 °F	n = .75		Fpv (From Tables) 1.010	Gravity .670	Fg = 1.222
Ft = .9786					

$$\text{CHOKE VOLUME} = Q = C \times P_1 \times F_t \times F_g \times F_{pv}$$

Q = Calculated from meter readings

= 843 MCF/D

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

$$Aof = Q \left(\frac{4648336}{4529311} \right)^n = (843)(1.0263)^{.75} = (843)(1.0196)$$

Aof = 860 MCF/D

NOTE: Well produced 24 bbls of 53.8 gravity oil and 1 bbl of water during test.

TESTED BY B. Broughton and C. Rhames

WITNESSED BY _____

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

