

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 9/27/72

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo Unit #137	
Location 1400 1700/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 9/13/72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 2.750		Choke Constant: C 41.10			
Shut-In Pressure, Casing, PSIG 2259	+ 12 = PSIA 2271	Days Shut-In 14	Shut-In Pressure, Tubing PSIG 1909	+ 12 = PSIA 1921	
Flowing Pressure: P PSIG 25	+ 12 = PSIA 37		Working Pressure: P _w PSIG 431	+ 12 = PSIA 443	
Temperature: T = 89 °F	F _t = .9732	n = .75	F _{pv} (From Tables) 1.003	Gravity .670	F _g = 1.222

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = calculated from meter readings = 694 MCF/D

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

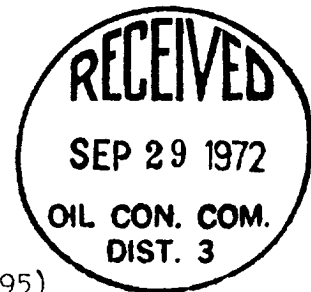
Aof = $\left(\frac{5\ 157\ 441}{4\ 961\ 192} \right)^n = (694)(1.0396)^{.75} = (694)(1.0295)$

Aof = 715 MCF/D

NOTE: Well produced 15.6 bbl of 52 gravity oil and 10.4 bbls of water.

TESTED BY Carl Rhames and Roger Hardy

WITNESSED BY _____



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