

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 10/03/12

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo Unit #112	
Location 1050/1, 1500/2, Sec. 2-105N-R6W		County Rio Arriba	State NM
Formation Pictured Cliffs		Pool Ac-Blanco	
Casing: Diameter 2.875	Set At: Feet 2035	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 2030	To 2003	Total Depth: 2035	Shut In 9/19/12
Stimulation Method N/A		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		tubingless completion	
Shut-In Pressure, Casing, PSIG 920	+ 12 = PSIA 932	Days Shut-In 14	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 136	+ 12 = PSIA 148	Working Pressure: P _w PSIG calculated	+ 12 = PSIA 160		
Temperature: T = 60 °F	F _t = 1.000	n = .35	F _{pv} (From Tables) 1.012	Gravity .700	F _g = .9250

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

$$Q = (12.365)(150)(1.000)(.9250)(1.012) = 1733 \text{ MCF/D}$$

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

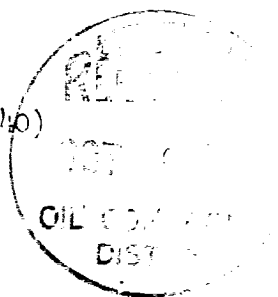
$$Aof = \left(\frac{707.331}{672.312} \right)^{.35} = (1733)(1.0520) = (1733)(1.0410)$$

$$Aof = 1814 \text{ MCF/D}$$

NOTE: Well produced light fog of water throughout test.

TESTED BY _____

WITNESSED BY _____



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