

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 21, 1972

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit No. 186	
Location 990/N, 1180/W, Sec. 11 T 25N, R 6W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7500	Tubing: Diameter 2.375	Set At: Feet 7323
Pay Zone: From 7145	To 7358	Total Depth: 7500	Shut In 7-14-72
Stimulation Method S.W.F.		Flow Through Casing	Flow Through Tubing XXX

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2628	+ 12 = PSIA 2640	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1709	+ 12 = PSIA 1721	
Flowing Pressure: P PSIG 194	+ 12 = PSIA 206	Working Pressure: P _w PSIG 672	+ 12 = PSIA 684		
Temperature: T=74 °F F _t = .9868	n = .75	F _{pv} (From Tables) 1.020	Gravity .670 F _g = .9463		

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

$$Q = (12.365)(206)(.9868)(.9463)(1.020) = \underline{2426} \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{6969600}{6501744} \right)^n = (2426)(1.0720)^{.75} = (2426)(1.0535)$$

$$A_{of} = \underline{2556} \text{ MCF/D}$$

TESTED BY C. Rhames

WITNESSED BY _____

J. A. Jones
J. A. Jones

