

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 6, 1972

Operator El Paso Natural Gas Company		Lease San Juan 29-6 Unit No. 104	
Location 985'S, 1460'W, Section 14, T29N, R6W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 8093	Tubing: Diameter 1.900	Set At: Feet 8022
Pay Zone: From 7968	To 8052	Total Depth: 8093	Shut In 6-27-72
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2496	+ 12 = PSIA 2508	Days Shut-In 9	Shut-In Pressure, Tubing PSIG 2064	+ 12 = PSIA 2076	
Flowing Pressure: P PSIG 190	+ 12 = PSIA 202		Working Pressure: P _w PSIG 292	+ 12 = PSIA 304	
Temperature: T = 72 °F	n = Ft = .9887		Fpv (From Tables) 1.014	Gravity .590	Fg = 1.0084

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

$$Q = (12.365)(202)(.9887)(1.0084)(1.014) = \underline{2525} \text{ MCF/D}$$

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

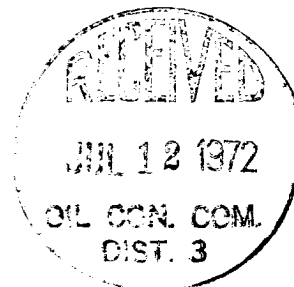
NOTE: Well produced light mist of water throughout test.

$$A_{of} = \left(\frac{6290064}{6197648} \right)^n = (2525)(1.0149)^{.75} = (2525)(1.0112) =$$

$$A_{of} = \underline{2553} \text{ MCF/D}$$

TESTED BY B. J. Broughton

WITNESSED BY _____



J. A. Jones
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