

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 19, 1972

Operator El Paso Natural Gas Company		Lease San Juan 28-5 Unit No. 89	
Location 990/S, 800/E, Sec. 9 T 28N - R 5W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 8088	Tubing: Diameter 1.900	Set At: Feet 8029
Pay Zone: From 7876	To 8052	Total Depth: 8088	Shut In 7-11-72
Stimulation Method S.W.F.		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2358	+ 12 = PSIA 2370	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 532	+ 12 = PSIA 544	
Flowing Pressure: P PSIG 14	+ 12 = PSIA 26		Working Pressure: Pw PSIG 211	+ 12 = PSIA 223	
Temperature: T = 61 °F	Ft = .9990	n = .75	Fpv (From Tables) 1.003	Gravity .610	Fg = .9918

$$\text{CHOKE VOLUME} = Q = C \times P_r \times F_r \times F_g \times F_{pv}$$

$$Q = (12.365)(26)(.9990)(.9918)(1.003) = \underline{319} \text{ MCF/D}$$

$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n \quad \text{NOTE: Well produced light mist of water throughout test.}$$

$$Aof = \left(\frac{5616900}{5567171} \right)^n = (319)(1.0089)^{.75} = (319)(1.0067)$$

$$Aof = \underline{322} \text{ MCF/D}$$

TESTED BY B. J. Broughton

WITNESSED BY _____

J. A. Jones
J. A. Jones

