

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 25, 1962

Operator El Paso Natural Gas Company		Lease San Juan Unit 28-6 No. 109	
Location 890'N, 1460'E, Sec. 1-27-6		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing Diameter 4.50	Set At: Feet 7780	Tubing Diameter 2.375	Set At: Feet 7648
Pay Zone: From 7514	To 7679	Total Depth 7780	Shut In 10-15-62
Stimulation Method Sand/Water Frac.		Flow Through Casing X	

Choke Size, Inches .750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 2671	PSIG - 12 - PSIA 2683	Days Shut-In 10	Shut-In Pressure, Tubing, PSIG 2672
Flowing Pressure: P, PSIG 441	PSIG - 12 - PSIA 453	Working Pressure: Pw, PSIG 1522	PSIG - 12 - PSIA 1534
Temperature: 72	Fg .9887	Fpv (From Tables) 1.053	Gravity .700
	.75		Fg .9258

CHOKE VOLUME $Q = C \times P_c \times F_g \times F_p \times F_{pv}$

$$Q = (12.365)(453)(.9887)(.9258)(1.053)$$

5399 MCF/D

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

$$A_{of} = \left(\frac{7,203,856}{4,850,700} \right)^n (1.4851)^{.75} (5399) = (1.3455)(5399)$$

NOTE: Blew heavy fog of water throughout test.

A_{of} 7264 MCF/D

Checked by Jesse B. Goodwin

Witnessed by

Checked by W. D. Dawson

Lewis D. Galloway
Lewis D. Galloway

