

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 6, 1962

Operator El Paso Natural Gas Company		Lease San Juan Unit 28-5 No. 58	
Location 810'S, 800'W, Sec. 30-28-5		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 5.500	Set At: Feet 7834	Tubing: Diameter 2.375	Set At: Feet 7724
Pay Zone: From 7540	To 7738	Total Depth: 7834 c/o 7766	Shut In 10-30-62
Stimulation Method Sand/Water Frac.		Flow Through Tubing X	

Choke Size, Inches .75	Choke Constant: C 12.365		
Shut-In Pressure, Casing, PSIG 2537	PSIA 405	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 2569
Flowing Pressure: P, PSIG 393	PSIA 405		Working Pressure: P _w , PSIG 1316
Temperature: T 67 F	Ft .9933		F _{pv} (From Tables) 1.044
			Gravity .680
			F _g .9292

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

$$Q = (12.365)(405)(.9933)(.9393)(1.044)$$

4878

MCF/D

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

$$Aof = \left(\frac{6,661,561}{4,897,977} \right)^n (1.3600)^{.75} (4878) = (1.2595)(4878)$$

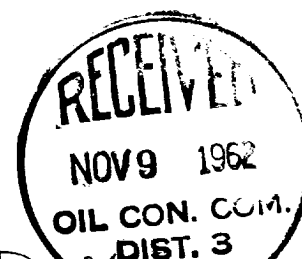
NOTE: Blew heavy fog of water throughout test.

Aof 6144

MCF/D

TESTED BY Jesse B. Goodwin

WITNESSED BY

Checked by W. D. Dawson

Lewis D. Galloway
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