

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 1, 1962

Operator El Paso Natural Gas Company		Lease Rincon No. 183	
Location 1697'S. 1460'W, Sec. 31-27-6		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4-1/2"	Set At: Feet 7575	Tubing: Diameter 2.375	Set At: Feet 7484
Pay Zone: From 7274	To 7470	Total Depth: 7576 c/o 7500	Shut In 10-20-62
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365		
Shut-In Pressure, Casing, PSIG 2561	PSIG + 12 PSIA 2573	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 2584
Flowing Pressure: P, PSIG 351	PSIG + 12 PSIA 363		Working Pressure: P _w , PSIG 1039
Temperature: n 81 F	F _g .9804		F _g (From Tables) 1.038
	.75		Gravity .700
			F _g .9258

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

$$Q = (12.365)(363)(.9804)(.9258)(1.038)$$

4229

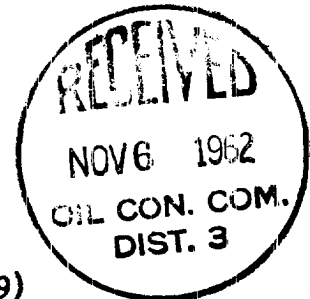
MCF/D

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

$$A_{of} = \left(\frac{6,739,216}{5,634,615} \right)^n$$

$$(1.1960)^{.75}(4229) = (1.1437)(4229)$$

$$A_{of} = 4837 \text{ MCF/D}$$



NOTE: Unloaded mud and liquid after 4 minutes, then surged heavy and medium mist for remainder of test.

TESTED BY D. E. Mortensen

WITNESSED BY _____

Calculated by T. B. GrantChecked by W. D. Dawson

Lewis D. Galloway
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