

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 27, 1962

Operator El Paso Natural Gas Company		Lease Rincon Unit No. 181	
Location 1550'N, 1750'E, Sec. 22-27-6		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing Diameter 4-1/2"	Set At: Feet 7715	Tubing Diameter 2.375	Set At: Feet 7635
Flow Zone: From 7460	To 7649	Total Depth: 7715 C/O 7660	Shut In 9-14-62
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 2605	PSIA 2617	Days Shut-In 13	Shut-In Pressure, Tubing, PSIG 2528
Flowing Pressure, P, PSIG 370	PSIA 382	Working Pressure: P _w , PSIG 989	PSIA 1001
Temperature, F 52	Fr 1.0078 .75	E _{pv} From Tables 1.047	Gravity .680 Fr .9393

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

$$Q = (12.365)(382)(1.0078)(.9393)(1.047)$$

4681

MCF/D

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

$$Abf = \left(\frac{6,848,689}{5,846,689} \right)^n (1.1713)^{.75} (4681) = (1.1250)(4681)$$

Abf 5271 MCF/D

TESTED BY Jesse B. Goodwin

WITNESSED BY

Checked by Tom B. Grant

Lewis D. Galloway
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