

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 5, 1962

Operator El Paso Natural Gas Company		Lease Rincon Unit No. 166	
Location 1850'S, 1750'W, Sec. 32-27-6		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing Diameter 4-1/2	Set At: Feet 7567	Tubing Diameter 2.375	Set At: Feet 7501
Pay Zone: From 7300	To 7514	Total Depth 7567 c/o 7532	Shut In 9-23-62
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 2456	PSIG - 12 PSIA 2468	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 2421
Flowing Pressure, P, PSIG 238	PSIG - 12 PSIA 250	Working Pressure: Pw, PSIG 903	PSIG - 12 PSIA 915
Temperature, T, F 71	n .9896	Fpv (From Tables) 1.020	Gravity .620
Fg .75		Fg .9837	

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

$$Q = (12.365)(250)(.9896)(.9837)(1.020)$$

3069

MCF/D

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

Aof $\left(\frac{6,091,024}{5,253,799} \right)^n$

$$(3069)(1.1593)^{.75} = (3069)(1.1173)$$



NOTE: Blew heavy fog of distillate during test.

Aof 3429

MCF/D

TESTED BY T. B. Grant

WITNESSED BY

Checked by W. D. Dawson

Lewis D. Galloway
Lewis D. Galloway