

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 9, 1962

Operator El Paso Natural Gas Company		Lease Rincon No. 157	
Location 860'S, 1650'W, Sec. 18-27-6		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4 1/2"	Set At: Feet 7780	Tubing: Diameter 2.375	Set At: Feet 7495
Pay Zone: From 7456	To 7602	Total Depth: 7770	Shut In 9-28-62
Stimulation Method: Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365	Shut-In Pressure, Casing 2415	PSIG - 12 - PSIA 2427	Days Shut-In 11	Shut-In Pressure, Tubing 2445	PSIG - 12 - PSIA 2457
Flowing Pressure, Casing 237	PSIG - 12 - PSIA 249	Temperature 72	F .9887		Working Pressure: P _w 913	PSIG - 12 - PSIA 925
					Eqv. From Tables 1.024	Gravity .670
						E _g .9463

CHOKED FLOW: $Q = C \times P_1 \times F_1 \times F_g \times F_{gv}$

$$Q = (12.365)(249)(.9887)(.9463)(1.024)$$

2950

MCF/D

$$\text{OPEN FLOW: } Q = \left(\frac{P_1^2 - P_w^2}{P_1^2} \right)^n$$

$$Q = \left(\frac{6,036,849}{5,181,224} \right)^n (1.1651)^{.75} (2950) = (2950)(1.1214)$$

NOTE: Heavy spray of distillate and some water throughout test.

Act 3,308

MCF/D

R. F. Headrick

A. T. Galloway

Checked by Tom B. Grant

RECEIVED
OCT 11 1962
OIL CON. COM.
DIST. 3
Lewis D. Galloway
Lewis D. Galloway