

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE February 18, 1959

Operator El Paso Natural Gas		Lease San Juan 27-4 No. 20 (P)	
Location 1750N, 1521E; 29-27-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7-5/8	Set At: Feet 3984	Tubing: Diameter 1-1/4	Set At: Feet 3860
Pay Zone: From 3812	To 3868	Total Depth 6193 c/o 6147	Shut in 1/31/59 Flow Through Tubing
Stimulation Method Sand Water Frac.		Flow Through Casing X	

Choke Size, Inches .75	Choke Constant: C 12.365		5-1/2 liner 3929-6195	
Shut-In Pressure, Casing, PSIG 942 (PC)	PSIG - 12 PSIA 954	Days Shut-In 19	Shut-In Pressure, Tubing, PSIG 941 (PC)	PSIG - 12 PSIA 953
Flowing Pressure, PSIG 232	PSIG - 12 PSIA 244		Working Pressure, PSIG 238	PSIG - 12 PSIA 250
Temperature: T 59	F n .85		Fpv From Tables 1.029	Gravity .700

Initial SIPT (MV) = 1099 psig

Packer 3985

Final SIPT (MV) = 1101 psig

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

$$Q = 12.365 \times 244 \times 1.001 \times .9258 \times 1.029$$

2878

MCF/D

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

$$A_{of} \left(\frac{910116}{847616} \right)^n$$

$$1.0737^{.85} \times 2878 = 1.0624 \times 2878$$

Aof 3058 MCF/D

TESTED BY Frank Clark

APPROVED BY

Checked By M. W. Rischard

RECEIVED
FEB 25 1959
OIL CON. COM.
DIST. 3

Lewis D. Galloway
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