

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE **June 17, 1958**

Operator El Paso Natural Gas Company		Lease Rincon Unit 102	
Location 9908, 990W; 11-26-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Prod. Blanco Mesa Verde	
Casing Diameter 7-5/8	Set At Feet 2855	Tubing Diameter 2	Set At Feet 5158
Pay Zone From 4940	To 5160	Total Depth 5214	Shut-in 5/16/58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size in inches .75		Choke Constant C 12.365	
Shut-in Pressure Casing 1079	PSIG - 12 - PSIA 1091	Days Shut-In 43	Shut-In Pressure Tubing 1079
Flowing Pressure F 199	PSIG - 12 - PSIA 211		Working Pressure Pw 519
Temperature T 68	Flowing .75		Flow From Tables 1.021
			Gravity .684

CHOKE VOLUME $Q = C \times F_c \times F_p \times F_g \times F_v$
 $Q = 12.365 \times 211 \times .9924 \times 9393 \times 1.021$

2483

MCF/D

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

$$AOF = \left(\frac{1190281}{908320} \right)^n$$

$$(1.3104)^{.75} \times 2483 = (1.2245) \times 2483$$

REMARKS: Unloaded slug of green oil when 1st opened then heavy fog remaining 3 hours.

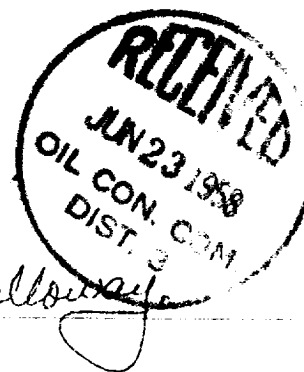
AOF **3040** MCF/D

F. Clark and R. Proctor

A. T. N. USER

Checked By: M. W. Rischard

Lewis D. Galloway
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