

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 16, 1958

Operator El Paso Natural Gas Company		Lease San Juan 32-9 Unit 64	
Location 4258, 769W, 2-31-9		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 7-5/8"	Set At: Feet 3576'	Tubing: Diameter 2-3/8"	Set At: Feet 5806'
Pay Zone: From 5610'	To 5824'	Total Depth: 5868'	Shut-In 3/26/58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	5-1/2" liner 3513-5868
Shut-In Pressure, Casing: 1020	PSIG 12 - PSIA 1032	Days Shut-In 1022
Flowing Pressure: F 246	PSIG 12 - PSIA 258	Working Pressure: P _w 730
Temperature: T 70	F _g .75	Gravity .600

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

$$Q = 12.365 \times 258 \times .9905 \times 1.0000 \times 1.019 = 3220 \text{ MCF D}$$

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

$$A_{of} = \left(\frac{1069156}{518592} \right)^n (2.0616)^{.75} (3220) = 1.7210 \times 3220$$

$$A_{of} = 5542 \text{ MCF D}$$

(Blew very light fog) OIL CON. COM.
DIST. 3

TESTED BY F. M. Clark

WITNESSED BY

Lewis D. Galloway
L. D. Galloway

