

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 29, 1956

Operator El Paso Natural Gas Company		Lease San Juan 32-9 #37	
Location 1800N, 1150E, Sec. 32-32-9		County San Juan	State New Mexico
Format or Mesa Verde		Pool Blanco	
Casing Diameter 5½	Set At: Feet 6070	Tubing Diameter 2"	Set At: Feet 6020
Pay Zone From 5508	To 5991	Total Depth 6075	c/a 6070
Fracturing Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant, C 14.1605	
Shut-In Pressure, Casing, PSIG 1061	PSIA 1073	Days Shut-In 11	Shut-In Pressure, Tubing, PSIG 1031
Flowing Pressure, Casing, PSIG 276	PSIA 288		Working Pressure, Pw, PSIG 807
Temperature, T 67			Gravity .625
			Flow (From Tables) 1.024

CHOKE VOLUME $Q = C \times P \times F \times F_c \times F_{av}$

$$C = 14.1605 \times 288 \times .9933 \times .9798 \times 1.024$$

4064

MCF/D

$$Q_{OF} = A_{OF} \left(\frac{P_1 - P_2}{P_1 - P_{wf}} \right)^n$$

$$A_{OF} = \left(\frac{1,151,329}{480,568} \right)^n$$

$$(2.396)^{.75} \times 4064 = 1.926 \times 4064$$

A_{OF} 7827

MCF/D

TESTED BY K. C. Mc Bride

WITNESSED BY



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

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