

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE November 7, 1956

Operator El Paso Natural Gas Company		Lease Huerfano Unit #58	
Location 1090N, 1650W, Sec. 26-26-9		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Wildcat	
Casing: Diameter 5 1/2"	Set At: Feet 2126	Tubing: Diameter 2"	Set At: Feet 2048
Pay Zone: From 2042	To 2053	Total Depth 2026/ c/o 2045	
Stimulation Method Sand Water		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75"	Choke Constant, C 14.1605		
Shut-In Pressure, Casing, PSIG 612	12 PSIA 624	Days Since 9	Shut-In Pressure, Tubing, PSIG 612
Flowing Pressure: P, PSIG 73	12 PSIA 85		Working Pressure: P _w , PSIG 130
Temperature: T 61			Gravity .665
			Flow From Tables 1.009

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$Q = 14.1605 \times 85 \times .9990 \times .9498 \times 1.009$$

1152

MCF/D

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

$$AOF = \left(\frac{389,376}{369,212} \right)^{1.0546}$$

$$(1.0546) \times 1152 = 1.0462 \times 1152$$

AOF = **1205** MCF/DTESTED BY: **L. D. Galloway & R. A. Ullrich**

WITNESSED BY: _____

L. D. Galloway
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