

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE October 4, 1956

Operator El Paso Natural Gas Company		Lease Sheets #3-A	
Location 1170N, 810W, Sec. 1-25-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Wildcat	
Casing Diameter 5 1/2	Set At: Feet 2400	Tubing Diameter 1 1/2	Set At: Feet 2339
Pay Zone: From 2270	To 2358	Total Depth: 2400	c/o 2370
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, inches 0.75	Choke Constant: C 14.1605		
Shut-In Pressure, Casing, PSIG 633	PSIG - 12 - PSIA 645	Days Shut-In 15	Shut-In Pressure, Tubing, PSIG 633
Flowing Pressure: P, PSIG 276	PSIG - 12 - PSIA 288		Working Pressure: Pw, PSIG 287
Temperature: T, F 67	F 85	Flow From Tables: 1.027	Gravity .650 (Est.)

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$ $Q = 14.1605 \times 288 \times .9933 \times 9608 \times 1.027 = 3,997$ MCF/D

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

$$A_{of} = \left(\frac{416,025}{326,624} \right)^n$$

$$(1.2737)^{.85} \times 3997 = 1.2281 \times 3997$$

A_{of} 4909 MCF/DTESTED BY R. A. Ullrich

WITNESSED BY

L. D. Galloway
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