

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE January 8, 1958

Operator El Paso Natural Gas		Lease Huerfano No. 97	
Location 1650'N, 1650'W, Sec. 16-26-9		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5-1/2	Set At: Feet 2138	Tubing: Diameter 1-1/4	Set At: Feet 2050
Pay Zone: From 2029	To 2072	Total Depth 2150	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365	
Shut-In Pressure: Casing, PSIG 573	PSIG - 12 - PSIA 585	Days shut-in 24
Flowing Pressure: P, PSIG 280	PSIG - 12 - PSIA 292	Shut-In Pressure: Tubing, PSIG 572
Temperature, T 66	F .850	PSIG - 12 - PSIA 584
		Working Pressure: P _w , PSIG 291
		Flow From Tables: 1.029
		Gravity 0.664

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

$$Q = 12.365 \times 292 \times .9943 \times .9506 \times 1.029$$

3512

MCF/D

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

$$A_{of} = \left(\frac{342,225}{250,416} \right)^n \cdot 1.3666^{.85} \times 3522 = 1.3043 \times 3512$$

A_{of} **4581**

MCF/D

TESTED BY **Jess Goodwin**

WITNESSED BY

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