

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 12, 1958

Operator El Paso Natural Gas		Lease Huerfano 99 (D)	
Location 990N, 1650W; 2-26-10		County San Juan	State New Mexico
Formation Dakota		Pool Undesignated	
Casing: Diameter 5-1/2	Set At: Feet 6933	Tubing: Diameter 2"	Set At: Feet 6857
Pay Zone: From 6816	To 6908	Total Depth: 6936 c/o 6910	Shut-in 8/5/58
Stimulation Method Sand Oil Fra.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	5-1/2 liner 5573 - 6933	
Shut-in Pressure: Casing, PSIG 1269 (G)	- 12 - PSIA 1281	Days Shut-in 7	Shut-in Pressure: Tubing, PSIG 1631 (D)
Flowing Pressure: P, PSIG 192	- 12 - PSIA 204	Working Pressure: P _w , PSIG Calc.	1643
Temperature: T, F 73	n .75	Sp. Gr. From Tables: 1.023	Gravity .720

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3 \times F_4$

$$Q = 12.365 \times 204 \times .9877 \times .9129 \times 1.023$$

2327

MCF/D

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

$$A_{of} = \left(\frac{2699449}{2514549} \right)^n (1.0735)^{.75} (2327) = (1.0547) (2327)$$

$$A_{of} = 2454 \text{ MCF/D}$$

TESTED BY **Frank Clark**WITNESSED BY **Fred Cook**Checked By **R. R. Davis**

Lewis D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

No. Copies Received 2

DISTRIBUTION

	NO. FURNISHED	
Operator		
Santa Fe	1	
Proration Office		
State Land Office		
U. S. G. S.	1	
Transporter		
File	1	✓