

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 21, 1956

Operator El Paso Natural Gas Company		Lease Huerfano Unit #81	
Location 800'N, 1060'W, Sec. 32-27-10		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool West Kutz	
Casing: Diameter 5$\frac{1}{2}$	Set At: Feet 1834	Tubing: Diameter 1$\frac{1}{4}$	Set At: Feet 1750
Pay Zone: From 1738	To 1770	Total Depth: c/o 1785	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 426	PSIA 438	Days Shut-In 9	Shut-In Pressure, Tubing, PSIG 426
Flowing Pressure: P, PSIG 121	PSIA 133		Working Pressure: Pw, PSIG 137
Temperature: T, F 60			Flow From Toibles, Gravity 1.010
	.85		.593

Made water last hour of test.

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times f_1 \times F_{av}$

$$Q = 14.1605 \times 133 \times 1 \times 1.008 \times 1.010$$

1917

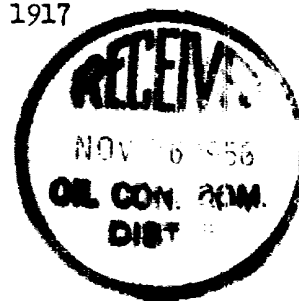
MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_1^2 - P_a^2}{P_1^2 - P_a^2} \right)^n$$

$$A_{of} = \left(\frac{191,844}{169,643} \right)^n$$

$$(1.1308)^{.85} \times 1917 = 1.11 \times 1917$$

$$A_{of} = 2128 \text{ MCF/D}$$



K. C. McBride

WITNESSED BY

L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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