

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 23, 1959

Operator El Paso Natural Gas Company		Lease Lindrith No. 32	
Location 1646S, 1650W; 16-24-3		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 5-1/2	Set At: Feet 3267	Tubing Diameter 1-1/4	Set At: Feet 3194
Pay Zone From 3160	To 3242	Total Depth c/o 3254	Shut In: 9/25/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, inches .75	Choke Constant, C 12.365		
Shut-In Pressure, Casing 935	PSIG - 12 PSIA 947	Days Shut-In 8	Shut-In Pressure, Tubing 935
Flowing Pressure, P 301	PSIG - 12 PSIA 313		Working Pressure, Pw 320
Temperature, T 64	F .85		Gravity .65

CHOKE VOLUME = $Q = C \times P_c \times F_p \times F_g \times F_{gv}$

$$Q = 12.365 \times 313 \times .9962 \times .9608 \times 1.031$$

3819

MCF/D

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

$$Aof = \left(\frac{896809}{786585} \right)^n$$

$$1.1401^{.65} \times 3819 = 1.1179 \times 3819$$

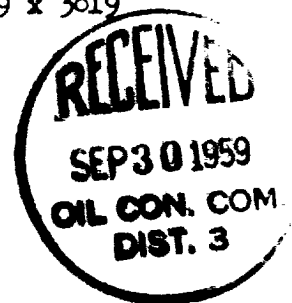
$$Aof = 4269 \text{ MCF/D}$$

TESTED BY Mortensen

WITNESSED BY

Checked By H. L. Kendrick

Lewis D. Galloway
L. D. Galloway



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