

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 5, 1959

Operator El Paso Natural Gas		Lease Florance No. 15-D	
Location 10858, 1135E; 17-27-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 5-1/2	Set At: Feet 2917	Tubing: Diameter 1-1/4	Set At: Feet 2859
Pay Zone: From 2840	To 2900	Total Depth: 2917 c/o 2904	Shut In: 7/22/59
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, PSIG 772	+ 12 = PSIA 784	Days Shut-In 4	Shut-In Pressure, Tubing, PSIG 772
Flowing Pressure: P, PSIG 214	+ 12 = PSIA 226		Working Pressure: Pw, PSIG 227
Temperature: T, °F 65			Gravity .650
			Flow Through Tubing

CHOKE VOLUME - $Q = C \times P_r \times F_v \times F_g \times F_{gv}$

$$Q = 12.365 \times 226 \times .9952 \times .9608 \times 1.021 = 2728 \text{ MCF/D}$$

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

$$Aof = \left(\frac{614,656}{557,535} \right)^n = 1.1024^{.85} \times 2728 = 1.0864 \times 2728$$

$$Aof = 2964 \text{ MCF/D}$$

TESTED BY Mortensen, Don

WITNESSED BY _____

Checked By H. L. Kendrick

L. D. Galloway
L. D. Galloway *J. H. K.*

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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