

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

Operator El Paso Natural Gas		Lease Schwerdtfeger No. 16-A	
Location 950N, 1782W; 21-27-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 5-1/2	Set At: Feet 2456	Tubing: Diameter 1-1/4	Set At: Feet 2356
Pay Zone: From 2372	To 2400	Total Depth 2457 c/o 2430	Shut In: 7/26/59
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 595	+ 12 = PSIA 607	Days Shut-In 10	Shut-In Pressure, Tubing, PSIG 595
Flowing Pressure: P 151	+ 12 = PSIA 163		Working Pressure: Pw, PSIG 161
Temperature: T 62	°F n = .85		Fpv (From Tables) 1.015
			Gravity 650

CHOKE VOLUME = $Q = C \times P_r \times F_r \times F_g \times F_{pv}$ Q $12.365 \times 163 \times .9981 \times .9608 \times 1.015$ 1962 MCF/D

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

$$Aof = \left(\frac{368449}{338520} \right)^n \quad 1.0884^{.85} \times 1962 = 1.0746 \times 1962$$

Aof 2108 MCF/DTESTED BY Don Mortensen

WITNESSED BY _____

Checked By H. L. Kendrick

L. D. Galloway
L. D. Galloway

[Signature]

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AZTEC DISTRICT OFFICE

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