

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 10, 1956

Operator El Paso Natural Gas Company		Lease EPNG State # 4	
Location 843'S, 1516'W, Sec. 16-32-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 5½	Set At: Feet 5634	Tubing: Diameter 2	Set At: Feet 5610
Pay Zone: From 4912	To 5503	Total Depth: 5637 - c/o - 5620'	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, inches .750		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 995	12 PSIA 1007	Days Shut-In 8	Shut-In Pressure, Tubing, PSIG 988
Flowing Pressure: P _w , PSIG 318	12 PSIA 330	Working Pressure: P _w , PSIG 776	12 PSIA 788
Temperature: T, F 90	F _g .75	F _{pv} (From Tables) 1.019	Gravity 585

CHOKE VOLUME $Q = C \times P \times F_g \times F_v$

$$= 14.1605 \times 330 \times .9723 \times 1.012 \times 1.019 \quad 4685 \quad \text{MCF/D}$$

$$\text{OPEN FLOW } A_o = C \left(\frac{P_1^2 - P_2^2}{P_2^2 - P_a^2} \right)^n$$

$$A_o = \left(\frac{1,014,049}{393,105} \right)^n = (2.579)^{.75} \times 4685 = 2.07 \times 4685$$

A_{of} 9698 MCF/D

TESTED BY K. C. McBride

WITNESSED BY

By: Tom Grant

L. D. Galloway
L. D. Galloway



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