

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 19, 1956

Operator El Paso Natural Gas Company		Lease San Juan Unit 31-6 # 8	
Location 1800'S, 1150'W, Sec. 6-30-6		County Rio Arriba	State New Mexico
Section Mesa Verde		Pool Blanco	
Casing Diameter 5½	Set At Feet 5685	Tubing Diameter 2	Set At Feet 5633
Flow Zone From 5140	To 5622	Total Depth 5687 - c/o - 5640	
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 1085	PSIG - 12 - PSIA 1097	Days Shut-in 9	Shut-in Pressure, Tubing 1089
Flowing Pressure, P 341	PSIG - 12 - PSIA 353		Working Pressure, Pw 846
Temperature, T 88		Fpv / From Tables 1.025	Gravit. .614
	.75		

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

$Q = 14.1605 \times 353 \times .9741 \times .9918 \times 1.025 = 4950$ MCF D

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

$\left(\frac{1,212,201}{476,037} \right)^n$

$(2.5464)^{.75} \times 4950 = 2.015 \times 4950$

Act **9974** MCF D

K. C. McBride



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