

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE August 27, 1956

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit # 55	
Location 800'S, 891'W, Sec. 12-28-7		County Rio Arriba	State New Mexico
Field Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 5½	Set At: Feet 5700	Tubing Diameter 2"	Set At: Feet 5604
Perf Zone From 5100	To 5608	Total Depth: 5698 - c/o - 5650	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, in. .750	Choke Constant: C 14.1605		
Shut-In Pressure, Casing, PSIG 1083	- 12 - PSIA 1095	Days Shut-in 8	Shut-In Pressure, Tubing, PSIG 1076
Flowing Pressure, Casing, PSIG 432	- 12 - PSIA 444	Working Pressure, Pw, PSIG 945	- 12 - PSIA 957
Temperature, F 78	F .75	Fpv (From Tables) 1.046	Gravity 688

CHOKE VOLUME $Q = C \times P_r \times F_p \times F_v \times F_g$

$Q = 14.1605 \times 444 \times .9831 \times .9359 \times 1.046 \quad 6051 \quad \text{MCF/D}$

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

$Q = \left(\frac{1,199,025}{283,176} \right)^{.75} (4.2342)^{.75} \times 6051 = 2.948 \times 6051$

Adf **17,838** MCF/D

K. C. McBride



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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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3

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