

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE August 1, 1957

Operator El Paso Natural Gas Company		Lease Frontier #1	
Section 1850S & W 5-26-12		County San Juan	State New Mexico
Location Gallup		Pool Undesignated	
Casing Diameter 7-5/8	Set At Feet 3957	Tubing Diameter 2"	Set At Feet 4950
Flow Zone From 4900	4980	Flow Rate 5050 c/o 5000	Flow Through Tubing X
Fracture Method Sand Oil Frac			

Pressure (psi)	Pressure (PSIG)	Pressure (PSIA)	Pressure (PSIA)	Pressure (PSIA)
.750	12.365	5-1/2" liner	3889 to 5041	
1143	1155	28	1139	1151
314	326		737	749
81	.75	1.035	.72	

CHOKE VOLUME $Q = C \times P_1 \times P_2 \times P_3 \times P_4$

$$Q = 12.365 \times 326 \times .9804 \times .9129 \times 1.035$$

3734

MCF/D

OPEN FLOW $Q = C \left(\frac{P_1^2 - P_2^2}{L} \right)^{.5}$

$$Q = \left(\frac{1,334,025}{773,024} \right)^{.5}$$

$$1.7257 \times 3734 = 1.506 \times 3734$$

Act 5623

MCF/D

K. C. McBride

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