

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE October 4, 1956

Operator El Paso Natural Gas Company		Lease Ludwick # 11	
Location 990'N, 1580'E, Sec. 19-30-10		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Aztec	
Tubing Diameter 7	Set At Feet 4716	Tubing Diameter 2	Set At Feet 5206
Perforation Depth 2822	To 2835	Total Depth Packer at 3012 - T.D. 5308	
Status at Completion Sand Water Frac		Flow Through Casing X	

Choke Size, inches .750		Choke Constant, C 14.1605	
Shut-In Pressure, Casing, PSIG 620	12 = PSIA 632	Days Shut-In 9	Shut-In Pressure, Tubing, PSIG 1106
Flowing Pressure, Casing, PSIG 224	12 = PSIA 236	Working Pressure, PSIG Calculated	12 = PSIA 237
Temperature, °F 72	Factor .85	Fpv (From Tables) 1.020	Gravity .630

CHOKED FLOW Q = C x B x F₁ x F₂ x F₃ x F₄

$$14.1605 \times 236 \times .9887 \times .9759 \times 1.020$$

3289

MCF/D

$$Q = \left(\frac{399,424}{343,255} \right)^n$$

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$$(1.1636)^{.85} \times 3289 = 1.1374 \times 3289$$

3741

MCF/D

K. C. McBride

A. R. Kendrick (New Mexico Oil Conservation Commission)



L. D. Galloway
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cc: E. J. Coel, Jr. (6)