

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 25, 1956

Company El Paso Natural Gas Company		Lease Ludwick # 11	
Location 990'N, 1580'E, Sec. 19-30-10		County San Juan	State New Mexico
Formation Mesa Verde		Post Blanco	
Wellbore 5 1/2" liner	Perforations 4662 - 5314	Tubing Diameter 2	Set At: Feet 5206
Flow Rate 4780	Pressure 5226	Total Depth 5308 - c/o - 5250	
Completion Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Constant C .750		Choke Constant C 14.1605	
Surface Pressure, Casing 610 (PC)	PSIG 622	Days Shut-in 16	Surface Pressure, Tubing 1098
Flowing Pressure, Casing 271	PSIG 283	Working Pressure, Flow Calculated	PSIG 607
Temperature 79	.75	Flow From Tables 1.022	Gravity .62

CHOKE CONSTANT C = C₁ x R₁ x E₁ x F_g x F_v

$$C = 14.1605 \times 283 \times .9822 \times .9837 \times 1.022$$

3957 MCF/D

$$Q = \left(\frac{C}{P_{wf} - P_{ws}} \right)^{1/n}$$

$$\left(\frac{1,232,100}{863,651} \right)^{1/n}$$

$$(1.4266)^{.75} \times 3957 = 1.305 \times 3957$$

5164

MCF/D

K. C. McBride

E. C. Arnold, New Mexico Oil Conservation Commission

cc: E. J. Coel, Jr. (6)



L. D. Galloway
L. D. Galloway