

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE September 25, 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 Mesa Verde		Pool Blanco	
Casing Diameter 5½" liner	Set At: Feet 4662 - 5314	Tubing Diameter 2	Set At: Feet 5206
Pay Zone Feet 4780	To 5226	Total Depth: 5308 - c/o - 5250	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant, C 14.1605	
Shut-In Pressure, Gas 610 (PC)	PSIG 622	PSIA 16	Days Shut-In 1098
Flowing Pressure, P 271	PSIG 283	PSIA 607	Shut-In Pressure, Tubing 1110
Temperature 79	.75	Working Pressure, Pw Calculated	PSIG 607
		Fpv (From Tables) 1.022	Gravity .62

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$ $14.1605 \times 283 \times .9822 \times .9837 \times 1.022 \times 3957 = \text{MCF D}$ OPEN FLOW $Q = \left(\frac{P_1^2 - P_w^2}{P_1 - P_w} \right)^n$

$$\left(\frac{1,232,100}{1,863,651} \right)^{.75} \times 3957 = 1.305 \times 3957$$

5164

MCF D

K. C. McBride

E. C. Arnold, New Mexico Oil Conservation Commission

WITNESSES

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

L. D. Galloway
L. D. Galloway



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