

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE March 8, 1957

Operator El Paso Natural Gas Company		Lease Rincon Unit #96	
Location 990N, 800E, Sec. 12-26-7		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 5½	Set At: Feet 2974	Tubing: Diameter 1¼	Set At: Feet 2933
Pay Zone: Feet 2905	To 2939	Total Depth: 2980	c/o 2816
Stimulation Method: Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75	Choke Constant, C 14.1605		
Shut-In Pressure, Casing, PSIG 805	PSIA 817	Days Shut-In 9	Shut-In Pressure, Tubing, PSIG 805
Flowing Pressure, Casing, PSIG 123	PSIA 135		PSIA 151
Temperature, F 66		Flow From Tables 1.013	Gravity .660

Slight fog spray at end of test.

CHOKE VOLUME = $Q = C \sqrt{P_1 - P_2} \times F_g \times F_v$

$$Q = 14.1605 \times 135 \times .9943 \times .9535 \times 1.013 = 1,836 \text{ MCF/D}$$

OPEN FLOW $Q = \left(\frac{P_1^2 - P_2^2}{P_1 - P_2} \right)^n$

$$Q = \left(\frac{667,489}{644,688} \right)^n (1.0353)^{.85} \times 1836 = 1.0299 \times 1836$$

$$Q = 1891 \text{ MCF/D}$$

By K. C. Mc Bride

Witnessed by _____



L. D. Galloway
L. D. Galloway
By Tom Grant

OIL CONSERVATION COMMISSION		
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