

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 6, 1962

Operator El Paso Natural Gas Company		Lease Huerfano No. 135	
Location 1180'N, 1180'W, Sec. 23, T-26-N, R-9-W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Gas Flow Meter 5.5	Set At Feet 6724	Tubing Diameter 2.375	Set At Feet 6564
Flow Meter From 6432	To 6628	Total Depth 6725	Shut In 8-25-62
Stimulation Method Sand Water Frac.		Flow Through Casing X	

Choke Size, Inches .750	Choke Constant, C 12.365	Days Shut-In 12	Shut-In Pressure, Tubing 2028
Pressure, Casing, PSIG 2028	PSIG - 12 - PSIA 2040	Working Pressure: P _w 989	PSIG - 12 - PSIA 1001
Flowing Pressure, P 188	PSIG - 12 - PSIA 500	F _{pv} (From Tables) 1.056	Gravity .720
Temperature 87	F _t .9750	F _g .9129	

$$\text{CHOKED VOLUME } Q = C \times P_1 \times F_t \times F_g \times F_{pv}$$

$$Q = (12.365)(500)(.9750)(.9129)(1.056)$$

5811

MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{4,161,600}{3,159,599} \right)^n (1.3171)^{.75} (5811) = (1.2293)(5811)$$

NOTE: Blew heavy mist of oil throughout entire test.

$$A_{of} = 7143 \text{ MCF/D}$$

By **R. F. Headrick**

Witnessed by

Checked by **W. D. Dawson**



Lewis D. Galloway
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