

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 25, 1962

Operator El Paso Natural Gas Company		Lease Huerfano No. 134	
Location 1650'S, 1650'E, Sec. 36-26-10		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing Diameter 5-1/2	Set At Feet 6901	Tubing Diameter 2.375	Set At Feet 6664
Pay Zone From 6573	To 6664	Total Depth 6901 c/o 6700	Shut In 9-18-62
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant, C 12.365		
Shut-In Pressure, Casing, PSIG 1971	PSIG 1983	Flow Factor 7	Shut-In Pressure, Tubing, PSIG 1982
Flowing Pressure, P, PSIG 262	PSIG 274		Working Pressure, P _w , PSIG 702
Temperature, °F 77	°F .9840		Gravity .670
	.75		Eq .9463
			1.026

$$\text{CHOKE FLOW VOLUME } Q = C \times P_c \times F_c \times F_g \times F_{pv}$$

$$Q = (12.365)(274)(.9840)(.9463)(1.026)$$

3237

MCF/D

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

$$A_{of} = \left(\frac{3,976,036}{3,466,240} \right)^n (1.1470)^{.75} (3237) = (1.1082)(3237)$$

3587

MCF/D

NOTE: Blew very light fog of oil & water.

REPORTED BY **C. R. Wagner**

APPROVED BY
Checked by **W. D. Dawson**

