

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **September 14, 1961**

Operator El Paso Natural Gas Company	Lease Hancock "B" No. 4
Location 972'N, 1850'W, Sec. 22-28N-9W	County San Juan State New Mexico
Formation Pictured Cliffs	Pool So. Blanco PC
Casing Diameter 2-7/8" O.D. Set At: Feet 2380	Tubing Diameter No Tubing Set At: Feet ----
Pay Zone: From 2306 To 2336	Total Depth: c/o 2346 Shut In 9-5-61
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing

Choke Size, inches .750"	Choke Constant, C 12.365	"Tubingless Completion"
Shut-In Pressure, Casing, PSIG 691	PSIG - 12 PSIA 703	Shut-In Pressure, Tubing, PSIG - 12 PSIA ----
Flowing Pressure, P, PSIG 137	PSIG - 12 PSIA 149	Working Pressure, Pw, PSIG - 12 PSIA (Calc.) 180
Temperature, T, F 65	Ft. .9952 .85	Epv (From Tables) 1.013
		Gravity Est. .651 Fg .9608

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = (12.365)(149)(.9952)(.9608)(1.013)$$

1785

MCF/D

OPEN FLOW Aof $Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$

Aof $\left(\frac{494,209}{461,809} \right)^n$

$$(1.0701)^{.88}(1785) = (1.0593)(1785)$$

Aof **1891**

MCF/D

PREPARED BY **D. E. Mortensen**

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