

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 20, 1963

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 128	
Location 1550'N, 1150'W, Sec. 36, T-27-N, R-10-W		County San Juan	State New Mexico
Formation Dakota		Basin	
Casing Diameter 4.50	Set At: Feet 6939	Tubing Diameter 2.375	Set At: Feet 681.8
Pay Zone: From 6690	To 6876	Flow Through Casing 6939	Flow Through Tubing 5-6-63
Stimulation Method Sand Water Frac.			

Choke Size, inches 0.75	Volume measured by orifice meter, 1" run, 3" plate, 4.1 rt. diff.			
Shut-In Pressure, Casing, PSIG 1953	PSIG 1965	Days Shut in 14	Shut-In Pressure, Tubing, PSIG 1949	PSIG 1961
Flowing Pressure: P, PSIG Meter 156	PSIG 168		Working Pressure, Pw, PSIG 769	PSIG 781
Temperature: (Meter run) 73	.9877		From Tables 1.018	Gravity .7w
	.75			.9258

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

$$Q = (210.81)(4.1)(4.1)(.9258)(.9877)(1.018) = 3299$$

MCF/D

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

$$Aof = \left(\frac{3,861,225}{3,251,264} \right)^n (3299)(1.1876)^{.75} = (3299)(1.1376)$$

NOTE: This test was run through a test separator. The liquid production was too small to measure.

Acf **3753** MCF/D

TESTED BY **Tom B. Grant & W.D. Dawson**

WITNESSED BY



Lewis D. Galloway
Lewis D. Galloway