

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 18, 1960

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 115	
Location 990'N, 1650'W, 12-26N-10W		County San Juan	State New Mexico
Formation Dakota		Pool Undesignated	
Casing: Diameter 7"	Set At: Feet 7005	Tubing: Diameter 2-3/8" O.D.	Set At: Feet 6886
Pay Zone: From 6748	To 6892	Total Depth: 7008 c/o 6960	Shut In 11-11-60
Stimulation Method Sand/Oil Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	Blew Down & Unloaded Stream of Oil - Then Blew Heavy Oil & Water Spray Entire Period.	
Shut-In Pressure, Casing, PSIG 1850	PSIA 1862	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 467
Flowing Pressure: P, PSIG 236	PSIA 248	Working Pressure: Pw, PSIG 684	PSIA 696
Temperature: T, F 74	Ft. .9868	Fpv (From Tables) 1.026	Gravity .700
	.75		Fg .9258

CHOKER VOLUME $Q = C \times P_c \times F_p \times F_g \times F_{pv}$

$$Q = (12.365)(248)(.9868)(.9258)(1.026) \quad 2874 \quad \text{MCF/D}$$

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

$$Aof = \left(\frac{3,467,044}{2,982,628} \right)^n \quad 1.1624^{.75} \times 2874 = 1.1194 \times 2874$$

$$Aof \quad 3217 \quad \text{MCF/D}$$

TESTED BY Frank M. Clark

WITNESSED BY

Checked by T. B. Grant



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