

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 25, 1962

Operator El Paso Natural Gas Company		Lease Huerfano No. 133	
Location 1840'S, 1840'E, Sec. 16-26-9		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 5-1/2"	Set At: Feet 6666	Tubing: Diameter 2.375	Set At: Feet 6574
Pay Zone: From 6398	To 6570	Total Depth 6667 c/o 6632	Shut In 10-7-62
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 1974	PSIA 1986	Days Shut-In 18	Shut-In Pressure, Tubing, PSIG 1209
Flowing Pressure: P, PSIG 430	PSIA 442		Working Pressure: Pw, PSIG 1019
Temperature: T, °F 84	F, °F .9777		Fp, (From Tables), °F 1.052
			Gravity, Fg .720
			Fg .9129

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{fv}$

$$Q = (12.365)(442)(.9777)(.9129)(1.052)$$

5132 MCF D

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

$$Aof = \left(\frac{3,944,196}{2,881,235} \right)^n (5132)(1.3689)^{.75} = (5132)(1.2660)$$

Aof **6497 MCF D**

NOTE: Four minutes after opening well started making heavy spray of oil and continued this way for eight minutes. Remainder of test made light spray of oil.

TESTED BY **R. F. Headrick**

WITNESSED BY

Checked by **W. D. Dawson**

