

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 1, 1962

Operator El Paso Natural Gas Company		Lease Florance No. 2 (OWO)	
Location 990'S. 990'W, Sec. 21-30-9		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4-1/2"	Set At: Feet 5066	Tubing: Diameter 2.375	Set At: Feet 4992
Pay Zone: From 4877	To 5022	Total Depth 5070 c/o 5042	Shut In 10-23-62
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365		
Shut-In Pressure, Casing, PSIG 969	PSIA 981	Days Shut-In 9	Shut-In Pressure, Tubing, PSIG 969
Flowing Pressure: P _f , PSIG 334	PSIA 346		Working Pressure: P _w , PSIG 768
Temperature: T, °F 75	F _g .9859		F _p (From Tables) 1.031
			Gravity .650
			F _g .9608

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{pv}$

$$Q = (12.365)(346)(.9859)(.9608)(1.031)$$

4178

MCF/D

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

$$Aof = \left(\frac{962,361}{353,961} \right)^n$$

$$(2.7188)^{.75} (4178) = (2.1130)(4178)$$

NOTE: Blew light fog of water and distillate throughout test.

Aof

8828

MCF/D

TESTED BY

C. R. Wagner

WITNESSED BY

Checked by

W. D. Dawson

Lewis D. Galloway
Lewis D. Galloway