

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 1, 1961

Operator El Paso Natural Gas Company		Lease Turner State No. 2 (OMMO)	
Location 990'N, 990'E, Sec. 2-30N-9W		County San Juan	State New Mexico
Formation Mesa Verde		Blanco	
Casing: Diameter 10.5	Perforations 5117	Casing: Diameter 2-3/8" O.D.	Perforations 5037
Pay Zone: From 4932	To 5054	Pay Zone: From 5111 c/o 5079	To 5079
Stimulation Method Sand/Water Frac.		Stimulation Method Shut-in	
		Flow Through Tubing X	

Choke Size, Inches .75		Choke Constant, C 12.365	
Shut-in Pressure, P _{sig} 785	Flowing Pressure, P _w 224	Shut-in Pressure, P _{sig} 785	Flowing Pressure, P _w 224
Temperature, T 83	Gravity .9786	Temperature, T 83	Gravity .9786
Flow Through Tubing 1.020		Flow Through Tubing 1.020	
Flow Through Tubing .651		Flow Through Tubing .651	
Flow Through Tubing .9608		Flow Through Tubing .9608	

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$$Q = (12.365)(236)(.9786)(.9608)(1.020)$$

2799

$$\text{OPEN FLOW } A_{of} = \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{635,209}{142,405} \right)^n (2799)(4.4605)^{.75} = (2799)(3.0750)$$

A_{of} **8607** MCF/DTESTED BY: **C. R. Wagner**

WITNESSED BY:

Calculated by: **W. D. Dawson**

Lewis D. Galloway
L. D. Galloway