

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE March 1, 1963

Operator El Paso Natural Gas Company		Lease Whitley No. 2-B (OWO)	
Location 1650'N, 1180'E, Sec. 33-30-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7.000	Set At: Feet 4825	Tubing: Diameter 2.375	Set At: Feet 5540
Pay Zone: From 5000	To 6480	Total Depth: 5540	Shut In 1-3-63
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 965	12 - PSIA	Days Shut-In 56	Shut-In Pressure, Tubing, PSIG ---
Flowing Pressure: P, PSIG 368	12 - PSIA	Working Pressure: Pw, PSIG 816	12 - PSIA
Temperature: 75	F	Fpv (From Tables) 1.039	Gravity .690
F _r .9859	F _t .75	F _g .9325	

CHOKE VOLUME $Q = C \times P_r \times F_r \times F_g \times F_{pv}$

$$Q = (12.365)(380)(.9859)(.9325)(1.039)$$

4488

MCF/D

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

$$Aof \left(\frac{954,529}{268,945} \right)^n$$

$$(3.5491)^{.75}(4488) = (2.5845)(4488)$$

NOTE: Unable to take tubing pressure.

Aof **11,599**

MCF/D

Checked by **H. E. McAnally**
~~XXXXXXXXXX~~ **T. B. Grant**



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