

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 9, 1963

Operator	El Paso Natural Gas Company	Lease	Riddle No. 3 (OWWO)
Location	990'N, 1650'E, Sec. 10, T-30-N, R-9-W	County	San Juan New Mexico
Formation	Mesa Verde	Pool	Blanco
Casing: Diameter	4.500	Set At: Feet	5212
Pay Zone: From	4574	Set At: Feet	5118
Stimulation Method	Sand Water Frac.	Total Depth:	5220
		Shut In	12-2-63
		Flow Through Casing	X
		Flow Through Tubing	

Choke Size, Inches	0.750	Choke Constant: C	12.365
Shut-In Pressure, Casing, PSIG	852	Days Shut-In	7
Flowing Pressure: P, PSIG	304	Shut-In Pressure, Tubing, PSIG	852
Temperature, T	76	Working Pressure: Pw, PSIG	699
	.9850	Eqv. From Tables	1.028
	.750	Gravity	.650
		Fg	.9608

CHOKE VOLUME $Q = C \times P_r \times E_r \times E_v \times F_{gv}$

$$Q = (12.365)(316)(.9850)(.9608)(1.028)$$

3801

WCF D

OPEN FLOW $A_{of} = Q \left(\frac{P_r^2 - P_a^2}{P_a^2} \right)^n$

$$A_{of} = \left(\frac{746496}{240975} \right)^n$$

$$(3.0978)^{.75} (3801) = (2.3330)(3801)$$

NOTE: Light to medium flow distillate vapor throughout test.

Acf 8868

WCF D

TESTED BY
Checked

Jesse B. Goodwin

APPROVED BY

Tom B. Grant



Lewis D. Galloway
Lewis D. Galloway