

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 26, 1962

Operator El Paso Natural Gas Company		Lease Day No. 7-B	
Location 846'S, 1633'E, Sec. 7-27-8		County San Juan	State New Mexico
Formation Pictured Cliff		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2971	Tubing: Diameter No Tubing	Set At: Feet ----
Pay Zone: From 2918	To 2924	Total Depth: 2975	Shut In 8-25-62
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing ----

Choke Size, Inches .75		Choke Constant: C 12.365		"TUBINGLESS COMPLETION"	
Shut-In Pressure, Casing, PSIG 756	12 PSIA	Days Shut-In 32	Shut-In Pressure, Tubing, PSIG No Tubing	12 PSIA	
Flowing Pressure: P, PSIG 172	12 PSIA		Working Pressure: Pw, PSIG Calc.	12 PSIA	
Temperature: 63			Fpv (From Tables) 1.017	Gravity .650	Fg = .9608
	.9971	.85			

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

$$Q = (12.365)(184)(.9971)(.9608)(1.017)$$

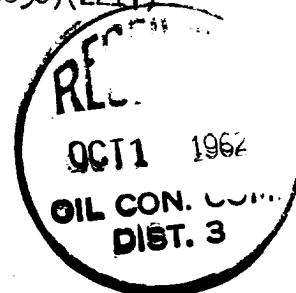
2217

MCF/D

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

$$Aof \left(\frac{589,824}{536,463} \right)^n (1.0994)^{.85} (2217) = (1.0838)(2217)$$

Aof 2403 MCF/D



D. E. Mortensen

APPROVED BY

Calculated by T. B. Grant

Checked by W. D. Dawson

Lewis D. Galloway
Lewis D. Galloway