

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 31, 1961

Operator El Paso Natural Gas Company		Lease Heaton No. 17	
Location 1830'N, 1470'E, 32-31N-11W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4 1/2" O.D.	Set At: Feet 7074	Tubing: Diameter 2 3/8" O.D.	Set At: Feet 6964
Pay Zone: From 6774	To 7004	Total Depth: 7078 C/O 7033	Shut-in 10-22-61
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 2055	12 - PSIA 2067	Days Shut-in 9	Shut-In Pressure, Tubing, PSIG 1619
Flowing Pressure: P, PSIG 295	12 - PSIA 307	Working Pressure: P _w , PSIG 914	12 - PSIA 926
Temperature: T 111 F_t = .9543	F _n .750	F _{pv} (From Tables) 1.024	Gravity .695 F_g = .9292

CHOKE VOLUME = Q C x P_c x F_t x F_g x F_{pv}

$$Q = (12.365)(307)(.9543)(.9292)(1.024)$$

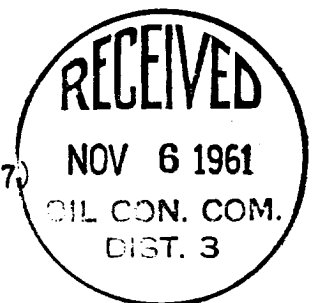
3447

MCF D

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

$$Aof = \left(\frac{4,272,489}{3,415,013} \right)^n (1.2510)^{.75} (3447) = (1.1830)(3447)$$

$$Aof = 4078 \text{ MCF D}$$



Note: This well made heavy slugs of water and some hydrocarbons and continued to slug thru the entire test.

TESTED BY R. F. Headrick and Jess GoodwinWITNESSED BY
Checked by: W. D. Dawson

Lewis D. Galloway
L. D. Galloway