

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **May 12, 1961**

Operator El Paso Natural Gas Company	Lease Lackey "B" No. 14
Location 790'N, 990E, Sec. 30-28N-9W	County San Juan State New Mexico
Formation Dakota	Pool Basin
Casing Diameter 4-1/2" Set At Feet 6688	Tubing Diameter 2-3/8 Set At Feet 6622
Pay Zone Feet 6454	Total Depth 6688 c/o 6660 Shut In 5-5-61
Simulation Method Sand/Water Frac.	Flow Through Casing X

Choke Size, Inches .75	Flow Constant, C 12.365	Days Shut-In 7	Shut-In Pressure, Tubing 1963 PSIG	2 PSIA
Shut-In Pressure, Casing 1960	Flowing Pressure, P 402	Flowing Pressure, Pw 957	Working Pressure, Pw 957	12 PSIA
Temperature 86	Gravity .9759	Specific Gravity 0.75	Flow Through Tubing 697	Flow Through Casing .9292

CHOKE VOLUME $Q = 12.365 \times 414 \times .9759 \times .9292 \times 1.041$

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4832

MCF/D

$$Q = \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$$

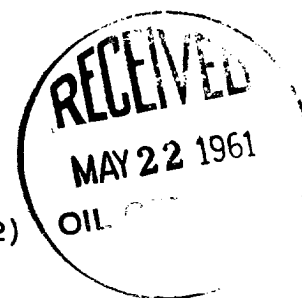
$$Q = \left(\frac{3,900,625}{2,961,664} \right)^n$$

$$(1.3170)^{.75} (4832) = (1.2295) (4832)$$

Act

5941

MCF/D



NOTE: Heavy Fog of water and Dist. throughout test.

C. R. Wagner

Lewis D. Galloway
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