

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 7, 1962

Operator El Paso Natural Gas Company		Lease Lindrith Unit No. 45	
Location 1000'S, 1600'E, Sec. 14-24-3		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 3323	Tubing: Diameter No Tubing	Set At: Feet ----
Pay Zone: From 3220	To 3240	Total Depth: 3324 c/o 3308	Shut In 5-25-62
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.375		"TUBINGLESS COMPLETION"	
Shut-In Pressure, Casing, PSIG 992	12 PSIA 1004	Days Shut-In 13	Shut-In Pressure, Tubing PSIG No Tubing	12 PSIA ----	
Flowing Pressure: P PSIG 132	12 PSIA 144		Working Pressure: Pw Calc.	12 PSIA 184	
Temperature: T 59 F	n 1.0010		Fpv (From Tables) 1.014	Gravity .665	Fg = .9498

CHOKE VOLUME $Q = C \times P_i \times F_t \times F_g \times F_{pv}$

$$Q = (12.365)(144)(1.0010)(.9498)(1.014)$$

1716

MCF/D

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

$$A_{of} = \left(\frac{1,008,016}{974,160} \right)^n (1716)(1.0347)^{.85} = (1716)(1.0294)$$

Aof 1766 MCF/D

TESTED BY C. R. Wagner

WITNESSED BY

Checked by: W. D. Dawson

Lewis D. Galloway
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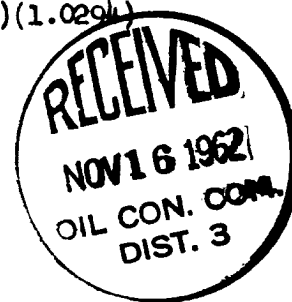
CHOKE VOLUME $Q = C \times P_i \times F_i \times F_g \times F_{pv}$

$$Q = (12.365)(144)(1.0010)(.9498)(1.014) = 1716 \text{ MCF/D}$$

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

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$$Aof = 1766 \text{ MCF/D}$$

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