

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 17, 1957

Operator El Paso Natural Gas Company		Lease Flood # 1	
Location 890'N, 1650'W, Sec. 34-31-11		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Undesignated	
Casing: Diameter 5½	Set At: Feet 2454	Tubing: Diameter 1¼	Set At: Feet 2325
Pay Zone: From 2302	To 2346	Total Depth 2454 - c/o - 2360	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 665	PSIA 677	Days Shut-in 8	Shut-In Pressure, Tubing, PSIG 665
Flowing Pressure, P, PSIG 136	PSIA 148		Working Pressure, Pw, PSIG 142
Temperature, T 67			Spv. From Tables 1.014
	.85		.668

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$$C \ 12.365 \times 148 \times .9933 \times .9498 \times 1.014$$

1751

MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{458,329}{434,613} \right)^n (1.0545)^{.85} (1751) = (1.0461) (1751)$$

Aof 1832 MCF/D

TESTED BY K. C. McBride and S. V. Roberts

WITNESSED BY

L. D. Galloway
L. D. Galloway



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