

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE January 30, 1962

Operator El Paso Natural Gas Company		Lease Schwerdtfeger "A" No. 20	
Location 2080'N, 1900'E, Sec. 8-27-8		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4-1/2" O.D.	Set At: Feet 7466	Tubing: Diameter 2-3/8" O.D.	Set At: Feet 7403
Pay Zone: From 7285	To 7407	Total Depth: 7467 c/o 7430	Shut In 1-10-62
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 2060	PSIG · 12 - PSIA 2072	Days Shut-In 20	Shut-In Pressure, Tubing, PSIG · 12 - PSIA 2055 2067
Flowing Pressure: P, PSIG 180	PSIG · 12 - PSIA 192	Working Pressure: P _w , PSIG · 12 - PSIA 640 652	
Temperature 65	F _t · .9952 .75	F _{pv} (From Tables) 1.023	Gravity .730 F _g · .9066 .9066

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

$$Q = (12.365)(192)(.9952)(.9066)(1.023)$$

2191 MCF/D

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

$$Aof \left(\frac{4,293,184}{3,868,080} \right)^n = (2191)(1.1099)^{.73} = (2191)(1.0811)$$



NOTE: Blew Heavy Fog of H₂O and Crude.

Aof **2369** MCF/D

TESTED BY **Jesse B. Goodwin**

WITNESSED BY

Checked by: H. L. Kendrick

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