

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE January 19, 1961

Operator El Paso Natural Gas Company		Lease Turner - Federal No. 1 (PC)	
Location 990'N, 990'E, Sec. 28-30N-9W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco PC	
Casing Diameter 5-1/2"	Set At: Feet 4945	Tubing Diameter 1-1/4"	Set At: Feet 2544
Pay Zone: From 2580	To 2610	Total Depth 4960 c/o 4914	Shut In 1-3-61
Stimulation Method Sand/Water Frac.		Flow Through Tubing X	

Choke Size, Inches .75		Choke Constant: C 12.365		Baker Model "D" Prod. Fkr. at 4087	
Shut-In Pressure, Casing (PC) 1011	PSIG 1023	Days Shut-In 16	Shut-In Pressure, Tubing (PC) 1012	PSIG 1024	
Flowing Pressure: P 224	PSIG 236		Working Pressure: P _w 864	PSIG 876	
Temperature: T _i 51 F	F _i 1.0088		F _{pv} (From Tables) 1.024	Gravity .650	F _g .9608

Initial SIPT (MV) = 927 psig

Final SIPT (MV) = 928 psig

CHOKE VOLUME = C × P_i × F_i × F_{pv} × F_g

$$(12.365)(236)(1.0088)(.9608)(1.024)$$

2896

MCF/D

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

$$Q = \left(\frac{1,048,576}{281,200} \right)^n$$

$$(3.7289)^{.88} (2869) = (3.0620)(2896)$$

$$Q = 8868 \text{ MCF/D}$$

TESTED BY D. E. Mortensen

WITNESSED BY

Calculated by W. D. Dawson

This well was tested through the 1-1/4" tubing due to the casing outlets being below ground level.

Lewis D. Galloway
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