

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **November 3, 1960**

Operator El Paso Natural Gas Company		Lease San Juan 28-7 No. 71 (PC)	
Location 1840'S, 1150'W, 34-28N-7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco PC	
Casing: Diameter 7-5/8"	Set At: Feet 2883	Tubing: Diameter 1-1/4"	Set At: Feet 2851
Pay Zone: From 2782	To 2816	Total Depth: 5162 c/o 5150	Shut In 8-23-60
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365		5-1/2" Liner from 2852 to 5163 Guiberson "Shorty" Pkr. at 2884	
Shut-In Pressure, Casing, (PC) 1063	PSIG 1075	12	PSIA 72	Shut-In Pressure, Tubing (PC) 1063	PSIG 1075
Flowing Pressure, P (Csg) 111	PSIG 123	12	PSIA	Working Pressure, Pw (Tbg.) 116	PSIG 128
Temperature: T 60 F	F _r 1.0000	.85		F _{pv} (From Tables) 1.013	Gravity .680 F _g .9393

Initial SIPT (M) = 876 psig

Final SIPT (M) = 879 psig

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

$$Q = (12.365)(123)(1.0000)(.9393)(1.013)$$

1447

MCF/D

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

$$A_{of} = \left(\frac{1,155,625}{1,139,241} \right)^n \quad (1.0143)^{.85} (1447) = (1.0121)(1447)$$

Aof

1465

MCF/D

TESTED BY

W. D. Dawson

WITNESSED BY

Checked by

T. B. Grant



Lewis D. Galloway
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