

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE November 5, 1960

Operator
El Paso Natural Gas Company

Location
890'S, 1090'W, 15-29N-6W

Formation
Mesa Verde

Casing Diameter
7"

Set At Feet
7521

Play Zone From
5564

To
5662

Stimulation Method
Sand/Water Frac.

Lease
San Juan 29-6 No. 35 (MV)

County
Rio Arriba

State
New Mexico

Well
Blanco MV

Tubing Diameter
2" Hydril

Set At Feet
5605

Total Depth
c/o 7815

Flow Through Casing
Re Shut-in

Flow Through Tubing
10/28/60

X

Choke Size, Inches .75	Choke Constant: C 12.365	5" Liner from 7456 to 7853
Shut-In Pressure, Casing, (MV) PSIG 1076	PSIA 1088	Baker Model "D" Pkr. at 7150
Days Shut-In 8		Shut-In Pressure, Tubing (MV) PSIG 1079
Flowing Pressure: P (Tbg) PSIG 367	PSIA 379	Working Pressure: Pw PSIG (Cag) 864
Temperature: T 72 F	Ft. .9887	Gravity .650
	.75	Fg .9608
		1.035

Initial SIPT (DK) = 2746 psig

Final SIPT (DK) = 2760 psig

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{ov}$

$$Q = (12.365)(379)(.9887)(.9608)(1.035)$$

4608 MCF D

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

$$A_{of} = \left(\frac{1190281}{422905} \right)^n (2.8145)^{.73} (4508) = (2.1720)(4608)$$

$A_{of} = 10,009$ MCF D

TESTED BY **D. E. Mortensen**

WITNESSED BY

Calculated by **W. D. Dawson**

Checked by **T. B. Grant**



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