

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 5, 1960

Operator El Paso Natural Gas Co.		Lease San Juan 27-5 No. 26 (M)	
Location 1650N, 990W; 34-27N-5W		County Rio Arriba	State New Mexico
Formation Mesaverde		Pool Blanco MV	
Casing: Diameter 7-5/8	Set At: Feet 3430	Tubing: Diameter 2"	Set At: Feet 5527
Pay Zone: From 4874	To 5550	Total Depth: 5626 c/o 5571	Shut In 7/16/60
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	5-1/2" liner from 3349 to 5624	
Shut-In Pressure, Casing, PSIG 1004 (PC)	PSIA 1016 (PC)	Days Shut-In 20	Baker "EGJ" Prod. Packer at 3400'.
Flowing Pressure: P 186	PSIG 198	Shut-In Pressure, Tubing, PSIG 953 (MV)	PSIA 965
Temperature: 66	.9943	Working Pressure: P _w Calc.	PSIG 392
T 66	F .9943	F _{pv} (From Tables) 1.019	Gravity .670
	.75		F _g .9463

Initial SIPT (PC) = 1003 psig

Final SIPT (PC) = 1009 psig

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

$$Q = 12.365 \times 198 \times .9943 \times .9463 \times 1.019$$

2347

MCF/D

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

$$Aof = \left(\frac{931225}{777561} \right)^n$$

$$1.1976^{.75} \times 2347 = 1.1449 \times 2347$$

$$Aof = 2687 \text{ MCF/D}$$

Blew down - first 5 min. Unloaded, then continued blowing light spray - sweet gas

TESTED BY **Frank Clark**

WITNESSED BY

Checked By **T. B. Grant**

Lewis D. Galloway
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