

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 5, 1960

Operator El Paso Natural Gas Company		Lease San Juan 32-9 Unit No. 76	
Location 890N, 990E; 13-32N-10W		County San Juan	State New Mexico
Formation Mesaverde		Pool Blanco MV	
Casing Diameter 7-5/8"	Set At: Feet 4061	Tubing Diameter 2"	Set At: Feet 6030
Pay Zone From Notched at - - - - -	To 6065	Total Depth 6265 c/o 6219	Shut-In 6/5/60
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 4044 to 6263	
Shut-In Pressure: Casing, PSIG 1055	PSIA 1067	Days Shut-In 30	Shut-In Pressure: Tubing, PSIG 1055
Flowing Pressure: Casing, PSIG Tbg. 168	PSIA 180		Working Pressure: Pw, PSIG Csg. 455
Temperature: T 62	F	Epv From Tables 1.014	Gravity .618
Ft = .9981	.75		Pg = .9877

CHOKE VOLUME $Q = C \times P_s \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 180 \times .9981 \times .9877 \times 1.014 = 2226 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1138489}{920400} \right)^n$$

$$1.2369^{.75} \times 2226 = 1.1730 \times 2226$$

$$A_{of} = 2611 \text{ MCF/D}$$

TESTED BY W. D. Dawson

WITNESSED BY _____



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