

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 4, 1956

Operator El Paso Natural Gas Company		Lease San Juan 32-9 Unit #46	
Location 1500'N & E, Sec. 4-31-9		County San Juan	State New Mexico
Formation Mesaverde		Pool Blanco Mesaverde	
Casing Diameter 5 1/8 @ 5981	Set At: Feet 3782	Tubing Diameter 2	Set At: Feet 5923
Pay Zone: From 5398	To 5912	Total Depth: 5985 c/o 5930	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant, C 14.1605		
Shut-In Pressure, Casing, PSIG 1040	PSIA 1052	Days Shut-In 8	Shut-In Pressure, Tubing, PSIG 890
Flowing Pressure, P, PSIG 257	PSIA 269		Working Pressure, P _w , PSIG 730
Temperature, T 73			Sp. Gr. (From Tables) 1.024
			Gravity 650

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{av}$

$$Q = 14.1605 \times 269 \times .9877 \times .9608 \times 1.024$$

3702

MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{1,106,704}{556,140} \right)^{.75} \times 1.990 \times 3702 = 1.675 \times 3702$$

A_{of}

6201

MCF/D

Tom Grant

WITNESSED BY

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