

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 21, 1959

Operator El Paso Natural Gas		Lease San Juan 29-6 No. 33-13 (D)	
Location 800N, 1145E; 13-29-6		County Rio Arriba	State New Mexico
Formation Dakota		Pool Undesignated	
Casing: Diameter 5	Set At: Feet 8078	Tubing: Diameter 2	Set At: Feet 7917
Pay Zone: From 7918	To 7948	Total Depth 8081 c/o 8033	Shut In: 9/14/59
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	5" liner 7568 - 8078	
Shut-In Pressure, Casing, PSIG 988 (MV)	PSIG - 12 - PSIA 1000	Shut-In Pressure, Tubing, PSIG 2288 (D)	PSIG - 12 - PSIA 2300
Flowing Pressure: P, PSIG 221	PSIG - 12 - PSIA 233	Working Pressure: P, PSIG Calc.	PSIG - 12 - PSIA 521
Temperature: T, °F 70	n .75	Fpv: From Table 1.016	Gravity .586

Initial SIPT (MV) = 986 psig

Packer at 7450

Final SIPC (MV) = 995 psig

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

$$Q = 12.365 \times 233 \times .9905 \times 1.012 \times 1.016$$

2934

MCF/D

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

$$Aof = \left(\frac{5290000}{5018559} \right)^n$$

$$1.0540^{.75} \times 2934 = 1.0402 \times 2934$$

$$Aof = 3052 \text{ MCF/D}$$

TESTED BY: W. D. Dawson

WITNESSED BY:



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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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