

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE March 11, 1959

Operator El Paso Natural Gas		Lease San Juan 28-7 No. 98 (D)	
Location 1800N, 1800E; 29-27-7		County Rio Arriba	State New Mexico
Formation Dakota		Pool Undesignated	
Casing Diameter 9-5/8	Set At: Feet 3071	Tubing Diameter 2"	Set At: Feet 7405'
Pay Zone: Feet 7268	7430	Total Depth 7540 c/o 7481	Shut in 3/2/59
Stimulation Treatment Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inche. .75		Choke Constant 12.365		7" liner 3018 - 7534	
Shut-In Pressure: Casing, PSIG (MV) 922	PSIA 934	Days Shut-In 9	Shut-In Pressure: Tubing, PSIG (Dak) 1812	PSIA 1824	
Flowing Pressure: P, PSIG 170	PSIA 182		Working Pressure: P _w , PSIG Calc.	PSIA 401	
Temperature: T, F 53	.750		Flow From Test: 1.020	Gravity .670	

Initial SIPOT (MV) = ~~922~~ ⁹³⁴ psig

Final SIPC (MV) = 932 psig

Packer at 5790

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_v$

$$Q = 12.365 \times 182 \times 1.0068 \times .9463 \times 1.020$$

2187

MCF/D

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

$$A_{of} = \left(\frac{3,326,976}{3,166,175} \right)^n$$

$$1.0507^{.75} \times 2187 = 1.0378 \times 2187$$

$$A_{of} = 2,270 \text{ MCF/D}$$

TESTED BY **R. R. Davis**

WITNESSED BY



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