

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **September 7, 1960**

Operator El Paso Natural Gas Company	Lease Allison Unit No. 23-X (M)
Location 9908, 990W; 19-32N-6W	County San Juan State New Mexico
Formation Mesaverde	Pool Blanco
Casing: Diameter 7" Set At: Feet 7878	Tubing: Diameter 2" Set At: Feet 5656
Pay Zone: From 5586 To 5726	Total Depth: 8104 c/o 8050 Shut In 8/12/60
Stimulation Method Sand Water Frac.	Flow Through Casing Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	5" liner from 7790 to 8097
Shut-In Pressure, Casing, PSIG (MV) 1179	PSIA 1191	Shut-In Pressure, Tubing, PSIG 1183 (MV)
Flowing Pressure: P 268	PSIA 280	Working Pressure: P _w , PSIG 695
Temperature: 73 °F	.9877	Gravity .620
.75	.75	Eq: .9837

Initial SIPT (D) = 2722 psig

Final SIPT (D) = 2733 psig

Baker Model "D" packer at 6240

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

$$Q = 12.365 \times 280 \times .9877 \times .9837 \times 1.022$$

3438

MCF/D

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

$$Aof = \left(\frac{1428025}{928176} \right)^n$$

$$1.5385^{.75} \times 3438 = 1.3818 \times 3438$$

Aof **4751** MCF/DTESTED BY **R. Headrick**

WITNESSED BY

Checked By **W. D. Dawson**

Lewis D. Galloway
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