

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE March 22, 1960

Operator El Paso Natural Gas	Lease Schwerdtfeger No. 1-A (N) OWWO
Location 9908, 990W; 36-28-9	County, San Juan State New Mexico
Formation Mesa Verde	Pool Blanco
Casing: Diameter 5-1/2	Set At Feet 4648
Pay Zone: From 4356	To 4470
Stimulation Method Sand Water Frac.	Flow Through Casing 4650 c/o 4614
	Flow Through Tubing X
	Shut In 3/8/60
	Set At Feet 4516
	Tubing: Diameter 2
	Total Depth 4650 c/o 4614

Choke Size, Inches .75	Choke Constant C 12.365	5-1/2" liner 3835-4648
Shut-In Pressure, Casing, (PC) 740	PSIG 12 PSIA 752	Days Shut-In 14
Flowing Pressure, P 295	PSIG 12 PSIA 307	Shut-In Pressure, Tubing (MV) 988
Temperature, T 70 F	Flow From Tables 1.034	Working Pressure, F _w Calc. 561
	Gravity .712	PSIG 12 PSIA 573
		Fig. - .9193

Initial SIPC (PC) = 740 psig

Final SIPC (PC) = 741 psig

Baker "N" packer at 4225

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$$Q = 12.365 \times 307 \times .9905 \times .9193 \times 1.034$$

3574

MCF/D

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

$$A_{of} = \left(\frac{1,000,000}{671,671} \right)^n$$

$$1.4888^{.75} \times 3574 = 1.3475 \times 3574$$

A_{of} 4816

MCF/D

INITIAL BY S. V. Roberts

WITNESSED BY

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