

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE March 18, 1959

Operator El Paso Natural Gas		Lease San Juan 28-7 No. 98 (M)	
Location 1800N, 1800E; 29-27-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 9-5/8	Set At: Feet 3071	Tubing Diameter 2"	Set At: Feet 5352
Pay Zone: From 5204	To 5314	Flow Through Casing 7540 c/o 7481	Flow Through Tubing shut in 3/2/59
Stimulation Method Sand Water Frac.		X	

Choke Size, inches .75		Choke Constant: C 12.365		7" liner 3018-7534	
Shut-In Pressure, Casing (MV) 972	PSIG	+ 12 = PSIA 984	Days Shut-In 16	Shut-In Pressure, Tubing (MV) 207	PSIG
Flowing Pressure: P 131	PSIG	+ 12 = PSIA 143		Working Pressure: P _w 441	PSIG
Temperature: T 60	F			Flow (From Tables) 1.018	Gravit .740

Initial SIPT (Dak) = 1871 psig

Final SIPT (Dak) = 1885 psig

Packer at 5790

CHOKE VOLUME: $Q = C \times P_r \times F_p \times F_g \times F_{gv}$

$$Q = 12.365 \times 143 \times .9005 \times 1.018$$

$$= 1621 \text{ MCF/D}$$

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

Start unloading after 5 min. unloaded water and
dist. for 15 min., then heavy fog remainder of
test.

$$Q = \left(\frac{968256}{763047} \right)^n$$

$$1.2689^{.75} \times 1621 = 1.1956 \times 1621$$

$$Q = 1938 \text{ MCF/D}$$

TESTED BY R. R. Davis

WITNESSED BY

L. D. Galloway
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