

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE June 26, 1962

Operator El Paso Natural Gas Company	Lease San Juan Unit 27-5 No. 70 (MV)
Location 1650'N, 1850'E, Sec. 8-27-5	County Rio Arriba State New Mexico
Formation Mesa Verde	Pool Blanco
Casing: Diameter 5-1/2 Set At: Feet 5843	Tubing: Diameter 1-1/4 Set At: Feet 5730
Pay Zone: From 5170 To 5716	Total Depth: 7911 c/o 7846 Shut In 6-12-62
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing

Choke Size, Inches .75	Choke Constant: C 12.365	Baker "D" Packer at 5797'
Shut-In Pressure, Casing, PSIG 1084 (MV)	PSIA 1096 Days Shut-In 14	Shut-In Pressure, Tubing, PSIG 496 (MV) PSIA 508
Flowing Pressure: P, PSIG 117	PSIA 129	Working Pressure: P _w , PSIG 345 PSIA 357
Temperature: T 64 F	Fr .9962	F _{pv} (From Tables) 1.013
	F _g .75	Gravity .682 F _g .9393

Initial SIPT (DK) = 2431 psig

Final SIPT (DK) = 2441 psig

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = (12.365)(129)(.9962)(.9393)(1.013)$$

1512

MCF/D

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

$$Aof \left(\frac{1,201,216}{1,073,767} \right)^n = (1512)(1.1186)^{.75} = (1512)(1.0874)$$

Aof 1644 MCF/D



NOTE: About 25 minutes after opening, well started blowing heavy fog of water with a slight amount of distillate. Fog continued throughout remainder of test.

TESTED BY W. D. Dawson

WITNESSED BY

Lewis D. Galloway
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