

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUEL COMPLETION

DATE October 21, 1960

Operator El Paso Natural Gas Company	Lease San Juan 29-6 No. 35 (DK)
Location 890'S, 1090'W, 15-29N-6W	County Rio Arriba State New Mexico
Provsit Dakota	Pool Undesignated
Casing Diameter 7" Set At Feet 7521	Tubing Diameter 2" Set At Feet 7774
Pay Zone From 7688 To 7790	Total Depth c/o 7815 Shot In 10-7-60
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing X

Choke Size (Inches) 0.75	Choke Constant C 12.365	5" Liner from 7456 to 7853
Shut-In Pressure, Casing (MV) PSIG 1034	PSIA 1046	Baker Model "D" Pkr. at 7150
Flowing Pressure, Casing PSIG 242	PSIA 254	Shut-In Pressure, Tubing (DK) PSIG 2536 PSIA 2548
Temperature 66	.9943	Working Pressure, Pw PSIG Calc. 567 PSIA 567
	0.75	Gravity .585 Fg 1.012
		Ep (From Tables) 1.018

Initial SIPT (MV) = 1037 psig

Final SIPC (MV) = 1038 psig

CHOKE VOLUME Q C x P_i x F_r x F_g x F_{pv}

Q (12.365)(254)(.9943)(1.012)(1.018) 3217 MCF/D

OPEN FLOW Aof $\left(\frac{P_i}{P_w} \right)^n$

Aof $\left(\frac{6,492,304}{6,170,815} \right)^n (1.0520)^{.75} (3217) = (1.0388)(3217)$

Aof 3342 MCF/D



FORWARDED BY R. L. Nickell, Jr.

WITNESSED BY W. B. Smith

Checked by T. B. Grant

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