

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE January 5, 1960

Operator El Paso Natural Gas	Lease Klein No. 7 (Ch)
Location 1550W 990W; 33-26-6	County Rio Arriba State New Mexico
Formation Chacra	Pool Undesignated
Casing Diameter 7 Set At: Feet 3966	Tubing Diameter 2 Set At: Feet 3856
Pay Zone: From 3788 To 3892	Total Depth: 3968 c/o 3922 Shut In 12/20/59
Stimulation Method Sand Water Frac.	Flow Through Casing Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	7" at 3966
Shut-In Pressure, Casing, PSIG 791 (P)	PSIA 803	Days Shut-In 16
Flowing Pressure, P, PSIG 115	PSIA 127	Shut-In Pressure, Tubing, PSIG 889 (CH)
Temperature, T 57	n 1.0029	Working Pressure: Pw, PSIG Calc.
	.75	PSIA 224
		Fpv (From Tables) 1.011
		Gravity .650
		Fg .9608

Initial SIPT (PC) = 791 psig
Final SIPC (PC) = 792 psig

Guib. "AG" Packer at 3100

CHOKER VOLUME Q C x P_c x F_v x F_g x F_{pv}

$$C \quad 12.365 \times 127 \times 1.0029 \times .9608 \times 1.011$$

1530

MCF D

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

$$Adf \left(\frac{811801}{761625} \right)^n$$

$$1.0658^{.75} \times 1530 = 1.0490 \times 1530$$

Adf 1605 MCF D

F. M. Clark

Checked By

T. B. Grant



Lewis D. Galloway
L. D. Galloway

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE January 20, 1960

Operator El Paso Natural Gas		Lease Klein No. 7 (PC)	
Location 1550N, 990W; 33-26-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 7	Set At: Feet 3966	Tubing: Diameter 1-1/4	Set At: Feet 2986
Pay Zone From 2942	To 2956	Total Depth: 3968 c/o 3922	Shut In 12/20/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, inches .75	Choke Constant: C 12.365	7" at 3966
Shut-In Pressure, Casing, PSIG 816	PSIG · 12 = PSIA 828	Days Shut-In 31
Shut-In Pressure, Tubing, PSIG 816	PSIG · 12 = PSIA 828	Working Pressure: P _w , PSIG 124
Flowing Pressure: P, PSIG 116	PSIG · 12 = PSIA 128	Gravity .650
Temperature, T, °F 56	F _v 1.0039	F _g .9608
	.85	F _p (From Tables) 1.011

Initial SIPT (MV) = 907
Final SIPT (MV) = 907

Packer at 3100

CHOKE VOLUME = Q C x P_c x F_v x F_g x F_p

Q 12.365 x 128 x 1.0039 x .9608 x 1.011 1543 MCF/D

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

Aof $\left(\frac{685584}{667088} \right)^n$ 1.0277^{.85} x 1543 = 1.0235 x 1543

Aof 1579 MCF/D



TESTED BY Frank Clark

WITNESSED BY _____

Checked By W. D. Dawson

Lewis D. Galloway
L. D. Galloway