

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **June 7, 1960**

Operator El Paso Natural Gas Company		Lease King No. 1 (M)		OWWO	
Location 990N, 890E; 22-30N-10W		County San Juan		State New Mexico	
Formation Mesa Verde		Pool Blanco			
Casing: Diameter 7"	Set At: Feet 4489	Tubing: Diameter 2"	Set At: Feet 5210		
Pay Zone: From 5148	To 5255	Total Depth: 5322 c/o 5258	Shut In 5/24/60		
Stimulation Method Sand Water Frac.		Flow Through Casing		Flow Through Tubing X	

Choke Size, Inches .75		Choke Constant: C 12.365		5-1/2" liner 4414 - 5293	
Shut-In Pressure, Casing, PSIG (PC) 925	12 PSIA 937	Days Shut-In 14	Shut-In Pressure, Tubing, PSIG (MV) 593	12 PSIA 605	
Flowing Pressure: P, PSIG (MV Tbg) 99	12 PSIA 111		Working Pressure: Pw, PSIG Calc. 215	12 PSIA	
Temperature: n 59 F	Ft 1.0010		Fpv (From Tables) 1.009	Gravity .698	Fg .9292

Initial SIPT (PC) = 926 psig

Final SIPC (PC) = 927 psig

Packer at 4468 - Guiberson "Shorty"

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 111 \times 1.0010 \times .9292 \times 1.009$$

1288

MCF/D

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

$$Aof = \left(\frac{366025}{319800} \right)^n$$

$$1.1445^{.75} \times 1288 = 1.1066 \times 1288$$

Aof 1425

MCF/D

TESTED BY

W. D. Dawson

WITNESSED BY



L. D. Galloway
L. D. Galloway

by T86

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE June 15, 1960

Operator El Paso Natural Gas	Lease King No. 1 (P)	OWWO
Location 990N, 890E; 22-30N-10W	County San Juan	State New Mexico
Formation Pictured Cliffs	Pool Undesignated	
Casing Diameter 7"	Set At: Feet 4489	Tubing Diameter 1-1/4"
Pay Zone: From 2947	To 2971	Set At: Feet 2963
Stimulation Method Sand Water Frac.	Total Depth 5322 c/o 5258	Shut In 5/24/60
	Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 944 (PC)	Days Shut-In 22	Shut-In Pressure, Tubing, PSIG 944 (PC)
Flowing Pressure: P, PSIG Csg. 364		Working Pressure: Pw, PSIG Tbg. 382
Temperature: 66 F		Gravity .670
F₁ .9943	.85	F_g .9463
	1.039	

Initial SIPT (MV) = 609 psig

Final SIPT (MV) = 611 psig

Guiberson "Shorty" Packer at 4468

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

$$Q = 12.365 \times 376 \times .9943 \times .9463 \times 1.039$$

4545

MCF/D

OPEN FLOW $Aof = Q \left(\frac{P_1^2}{P_2^2 - P_w^2} \right)^n$

$$Aof = \left(\frac{913936}{758700} \right)^n$$

$$1.2046^{.85} \times 4545 = 1.1715 \times 4545$$

Aof 5324

MCF/D

TESTED BY W. D. Dawson

WITNESSED BY



L. D. Galloway
L. D. Galloway by J.R.R.