

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 4, 1960

Operator El Paso Natural Gas Company	Lease San Juan 28-5 Unit No. 42 (D)
Location 18008, 1650W; 31-28-5	County Rio Arriba State New Mexico
Formation Dakota	Post Undesignated
Casing Diameter 7" Set At Feet 7373	Tubing Diameter 2" Set At Feet 7555
Pay Zone From 7376 To 7570	Total Depth 7632 c/o 7590 Spud 7/13/60
Stimulation Method Sand Water Frac.	Flow Control X

Choke Size, Inches .75	Choke Constant 12.365	5" liner from 7300' to 7606'
Shut-In Pressure (MV) 1138	PSIG 12 PSIA 1150	Baker Medal "D" Packer at 6925'
Flowing Pressure, P 579	PSIG 12 PSIA 591	Shut-In Pressure Tubing (DK) 2656 PSIG 12 PSIA 2668
Temperature 78 F	Grav. .9831	Working Pressure, Pw Calc. PSIG 12 PSIA 1323
	Flow From Tables 1.048	Est. .610 Fg .9918

Initial SIFT (MV) = 1141 psig
Final SIPC (MV) = 1149 psig

CHOKE VOLUME COEFFICIENT = $C \times F_1 \times F_2 \times F_3 \times F_4$

$0.12 \times 12.365 \times 591 \times .9831 \times 1.048$

7467

MCF/D

OPEN FLOW AREA

$$A_{of} = \left(\frac{7118224}{5367895} \right)^n$$

$1.3260^{.75} \times 7467 = 1.2356 \times 7467$



Aof 9226 MCF/D

Blew fair white mist through whole test.

TESTED BY **D. Mortensen**

WITNESSED BY

Checked By T. B. Grant

Lewis D. Galloway
L. D. Galloway

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 25, 1960

Operator El Paso Natural Gas Co.	Lease San Juan 28-5 Unit No. 42 (M)
Location 1800S, 1650W; 31-28N-5W	County Rio Arriba State New Mexico
Formation Mesaverde	Pool Blanco MV
Casing Diameter 7" Set At Feet 7373	Tubing Diameter 2" H-G Set At Feet 5462
Pay Zone Feet 4976	Flow Depth 7632 c/o 7590 Set At Feet 7/13/60
Completion Method Sand Water Frac.	Flow Through Casing X

Drain Size, inches .75	Drain Length, ft 12.365	5" liner from 7300 to 7606
Surface Pressure, psig 1146 (MV)	Flowing Pressure, psig 1158	43
Flowing Pressure, psig 344	Flowing Pressure, psig 356	
Temperature 68	Temperature .9924	Temperature .75
		Specific Gravity 1.041
		Specific Gravity .700
		Specific Gravity .9258

Initial SIPT (Dk) = 2686 psig

Final SIPT (Dk) = 2697 psig

Baker Model "D" Prod. packer at 6925

QVOLUME = C x R x F x FL x Fp

$$Q = 12.365 \times 356 \times .9924 \times .9258 \times 1.041$$

4210

MCF D

OPEN FLOW

$$\left(\frac{1345600}{628191} \right)^n$$

$$\left(\frac{1345600}{628191} \right)^n$$

$$2.1420^{.75} \times 4210 = 1.7700 \times 4210$$

7452 MCF D

Tom Grant



Lewis D. Galloway
L. D. Galloway

