

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 15, 1958

Operator El Paso Natural Gas		Lease Johnston State No. 3 (P)	
Location 1273N, 990E; 32-26-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco P.C.	
Casing: Diameter 7-5/8	Set At: Feet 3017	Tubing: Diameter 1-1/4"	Set At: Feet 2887
Pay Zone: From 2876	To 2894	Total Depth 5294 c/o 3930	Shut-in 7/6/58
Stimulation Method Azidized w/HCl		Flow Through Casing X	Flow Through Tubing

Choke size, inches 3/4	Choke Constant: C 12.365		
Shut-In Pressure, Casing: PSIG 839 (PC)	- 12 - PSIA 851	Days Shut-In 40 (PC)	Shut-In Pressure, Tubing: PSIG 839 (PC)
Flowing Pressure: F 242	- 12 - PSIA 254		- 12 - PSIA 851
Temperature: T 62		Working Pressure: Pw 249	PSIG 261
		Flow (From Tables) 1.024	Gravity .647

Initial SIPT (C) 919 psig

Final SIPT (C) 919 psig

Packer at 3023

2" at 3834

CHOKE VOLUME $Q = C \times P_r \times F_c \times F_g \times F_{av}$

$$Q = 12.365 \times 254 \times .9981 \times .9645 \times 1.024$$

3096

MCF D

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

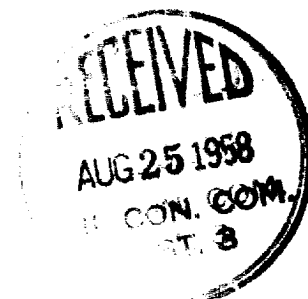
$$A_{of} = \left(\frac{724201}{656080} \right)^n$$

$$1.1038^{.85} (3096) = 1.0876 (3096)$$

$$A_{of} = 3367 \text{ MCF D}$$

M. W. Rischard

Fred Cook



L. D. Galloway
L. D. Galloway *by G.H.K.*

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