

Eunice, New Mexico
September 6, 1955

Mr. H. C. Lannen - Eunice, New Mexico

BACK PRESSURE TEST - MOLAN NO. 2 - SECTION 11, T.
21S, R. 37E, LEA COUNTY, NEW MEXICO

On July 24, 1955, a back pressure test was taken to determine the theoretical open flow capacity of the Tubbs gas zone at zero bottom hole pressure, and the deliverability characteristics at various rates of flow. A calculated open flow potential of 470 MCF gas per day was obtained, based on a ten hour back pressure test.

Attached are curves representing the calculated open flow potential and deliverability, and a chart tabulating the data obtained by this test.

Calculated open flow potential	470	MCF/D
Deliverability at 600 psig	419	MCF/D
Deliverability at 150 psig	460	MCF/D
Shut in pressure	1988.2	PSIA

B. H. McGinnis
B. H. McGinnis
Gas Tester
Eunice District
New Mexico Division
Production Department

BHM-cG

CC: BSW RLJ RLA JRS FILE-2

1. The first part of the paper is devoted to a general discussion of the problem of the existence of solutions of the system of equations

$$\begin{cases} \Delta u = f(x, y, z, u, v, w) \\ \Delta v = g(x, y, z, u, v, w) \\ \Delta w = h(x, y, z, u, v, w) \end{cases} \quad (1)$$

where f, g, h are continuous functions of the variables x, y, z, u, v, w and satisfy certain conditions. The second part of the paper is devoted to the study of the properties of the solutions of the system (1) and to the construction of the solutions of the system (1) by the method of successive approximations. The third part of the paper is devoted to the study of the properties of the solutions of the system (1) and to the construction of the solutions of the system (1) by the method of successive approximations. The fourth part of the paper is devoted to the study of the properties of the solutions of the system (1) and to the construction of the solutions of the system (1) by the method of successive approximations.

1. The first part of the paper is devoted to a general discussion of the problem of the existence of solutions of the system of equations

2. The second part of the paper is devoted to the study of the properties of the solutions of the system (1) and to the construction of the solutions of the system (1) by the method of successive approximations.

3. The third part of the paper is devoted to the study of the properties of the solutions of the system (1) and to the construction of the solutions of the system (1) by the method of successive approximations.

Gas Well Data

100-4678

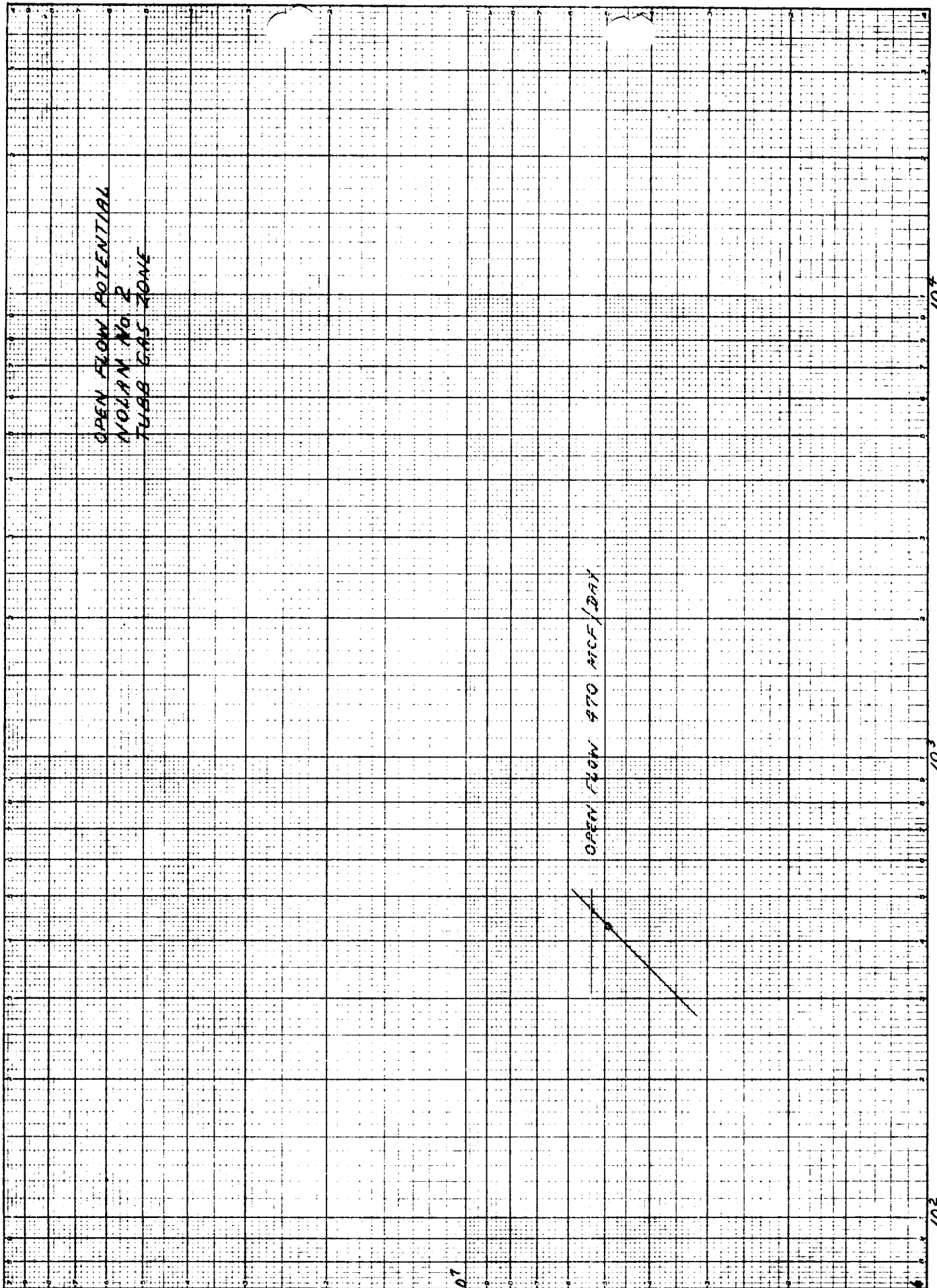
Rate No.	Volume (cc)	Choke size	Temp	Aggr	Surface Pressure (psi)	P ₁	P ₂	P ₃
1	100	1/2"	140		100	100	100	100
2	100	1/2"	140		100	100	100	100
3	100	1/2"	140		100	100	100	100
4	100	1/2"	140		100	100	100	100
5	100	1/2"	140		100	100	100	100
6	100	1/2"	140		100	100	100	100
7	100	1/2"	140		100	100	100	100
8	100	1/2"	140		100	100	100	100
9	100	1/2"	140		100	100	100	100
10	100	1/2"	140		100	100	100	100
11	100	1/2"	140		100	100	100	100
12	100	1/2"	140		100	100	100	100
13	100	1/2"	140		100	100	100	100
14	100	1/2"	140		100	100	100	100
15	100	1/2"	140		100	100	100	100
16	100	1/2"	140		100	100	100	100
17	100	1/2"	140		100	100	100	100
18	100	1/2"	140		100	100	100	100
19	100	1/2"	140		100	100	100	100
20	100	1/2"	140		100	100	100	100
21	100	1/2"	140		100	100	100	100
22	100	1/2"	140		100	100	100	100
23	100	1/2"	140		100	100	100	100
24	100	1/2"	140		100	100	100	100
25	100	1/2"	140		100	100	100	100
26	100	1/2"	140		100	100	100	100
27	100	1/2"	140		100	100	100	100
28	100	1/2"	140		100	100	100	100
29	100	1/2"	140		100	100	100	100
30	100	1/2"	140		100	100	100	100
31	100	1/2"	140		100	100	100	100
32	100	1/2"	140		100	100	100	100
33	100	1/2"	140		100	100	100	100
34	100	1/2"	140		100	100	100	100
35	100	1/2"	140		100	100	100	100
36	100	1/2"	140		100	100	100	100
37	100	1/2"	140		100	100	100	100
38	100	1/2"	140		100	100	100	100
39	100	1/2"	140		100	100	100	100
40	100	1/2"	140		100	100	100	100
41	100	1/2"	140		100	100	100	100
42	100	1/2"	140		100	100	100	100
43	100	1/2"	140		100	100	100	100
44	100	1/2"	140		100	100	100	100
45	100	1/2"	140		100	100	100	100
46	100	1/2"	140		100	100	100	100
47	100	1/2"	140		100	100	100	100
48	100	1/2"	140		100	100	100	100

[illegible]

2

See: 1900.2

Page 10 of 10



OPEN FLOW POTENTIAL
WOLAN No. 2
TUBS GAS ZONE

