



WELL STIMULATION REPORT

Confluence

CANAL 22-1-3L

05-123-51590-00

March 18, 2022

Engineering Executive Summary

On Tuesday, November 02, 2021 the stimulation of treatment(s) was performed in the Niobrara formation on the CANAL 22-1-3L well in WELD county, COLORADO.

The proposed treatment(s) consisted of:

25,500	gallons of	15% HCl
0	gallons of	7.5% HCl
0	gallons of	FR Water
12,202,152	gallons of	FR Water (FightR EC-17)
97,000	gallons of	Treated Water
2,016,000	pounds of	100 Mesh Premium White
9,995,986.57	pounds of	30/50 Premium White

The actual treatment(s) consisted of:

39,495	gallons of	15% HCl
19,920	gallons of	7.5% HCl
573,423	gallons of	FR Water
13,964,395	gallons of	FR Water (FightR EC-17)
92,131	gallons of	Treated Water
2,000,280	pounds of	100 Mesh Premium White
9,550,079	pounds of	30/50 Premium White

42 of 48 treatment(s) were fully completed. 0 treatment(s) were skipped, and 6 treatment(s) were screened out or otherwise cut short of design.

The well was first opened Tuesday, November 02, 2021 at 14:53 with an opening pressure of 3,689.0 psi.

The total amount of proppant pumped was 11,550,359.0 lbm with an average concentration of 0.85 ppg and maximum concentration of 2.0 ppg. Treating pressure averaged 6851.48 psi and rate averaged 70.27 bpm.

The operation came offline at 17:12 and the well was shut in Thursday, November 11, 2021 at 17:16 with a final shut-in pressure of 3,710.93 psi. A more detailed description of the actual treatment can be found further down in this report.

Halliburton maintains a continuous quality improvement process and appreciates any comments or suggestions that you may have. Halliburton again thanks you for the opportunity to perform service work on this well.

Regards,

CHRIS VARGAS

CHAD LEWIS

Crew Service Leader

Crew Lead Engineer

Canal 22-1-3L Plug and Perf Depths

	Plug Depth	Top Perf ft -MD	Bottom Perf ft-MD	Total Perfs	Formation
Stage					
1	18126	17935	18116	39	Niobrara C
2	17933	17742	17923	39	Niobrara C
3	17724	17533	17714	39	Niobrara C
4	17523	17332	17513	39	Niobrara C
5	17322	17131	17312	39	Niobrara C
6	17121	16932	17111	39	Niobrara C
7	16920	16729	16910	39	Niobrara C
8	16719	16528	16709	39	Niobrara C
9	16518	16327	16508	39	Niobrara C
10	16317	16125	16308	39	Niobrara C
11	16116	15925	16106	39	Niobrara C
12	15915	15724	15905	39	Niobrara C
13	15714	15523	15704	39	Niobrara C
14	15513	15322	15503	39	Niobrara C
15	15314	15121	15302	39	Niobrara C
16	15111	14914	15101	39	Niobrara C
17	14901	14702	14891	39	Niobrara C
18	14692	14500	14681	39	Niobrara C
19	14490	14299	14480	39	Niobrara C
20	14290	14098	14279	39	Niobrara C
21	14088	13903	14079	39	Niobrara C
22	13893	13708	13884	39	Niobrara C
23	13698	13513	13689	39	Niobrara C
24	13503	13318	13494	39	Niobrara C
25	13308	13120	13298	39	Niobrara C
26	13107	12916	13097	39	Niobrara C
27	12906	12715	12896	39	Niobrara C
28	12705	12514	12695	39	Niobrara C
29	12504	12313	12494	39	Niobrara C
30	12303	12112	12293	39	Niobrara C
31	12102	11911	12092	39	Niobrara C
32	11901	11710	11891	39	Niobrara C
33	11696	11509	11686	39	Niobrara C
34	11491	11315	11471	39	Niobrara C
35	11304	11119	11295	39	Niobrara C
36	11109	10924	11099	39	Niobrara C
37	10914	10723	10904	39	Niobrara C
38	10713	10519	10703	39	Niobrara C
39	10508	10324	10498	39	Niobrara C
40	10303	10109	10293	39	Niobrara C
41	10096	9904	10086	39	Niobrara C
42	9893	9698	9883	39	Niobrara C
43	9688	9494	9678	39	Niobrara C
44	9483	9292	9473	39	Niobrara C
45	9282	9091	9272	39	Niobrara C
46	9079	8890	9069	39	Niobrara C
47	8848	8685	8847	39	Niobrara C
48	8679	8488	8669	39	Niobrara C