



# WELL STIMULATION REPORT

Bayswater Exploration

**BLEHM 5**

05-123-51625-00

August 15, 2022

**HALLIBURTON**

Production  
Enhancement

## WELL COMPLETION DATA

Treatment Interval	Perforation Top (ft)	Perforation Bottom (ft)	Plug Depth (ft)	Vertical Depth (ft)	Perforation Count	Cluster Count	Cluster Spacing	Perforation Phasing	SalesOrder Number
1	17830	17835		7277	20	9	22	120	907945086
2	17613	17787	17800	7279	27	9	22	120	907945086
3	17413	17587	17600	7282	27	9	22	120	907945086
4	17213	17387	17400	7286	27	9	22	120	907945086
5	17013	17187	17200	7290	27	9	22	120	907945086
6	16813	16987	17000	7293	27	9	22	120	907945086
7	16613	16787	16800	7297	27	9	22	120	907945086
8	16413	16587	16600	7300	27	9	22	120	907945086
9	16213	16387	16400	7304	27	9	22	120	907945086
10	16013	16187	16200	7307	27	9	22	120	907945086
11	15813	15987	16000	7311	27	9	22	120	907945086
12	15613	15787	15800	7314	27	9	22	120	907945086
13	15413	15587	15600	7318	27	9	22	120	907945086
14	15213	15387	15400	7321	27	9	22	120	907945086
15	15013	15187	15200	7325	27	9	22	120	907945086
16	14813	14987	15000	7328	27	9	22	120	907945086
17	14613	14787	14800	7332	27	9	22	120	907945086
18	14413	14587	14600	7336	27	9	22	120	907945086
19	14213	14387	14400	7339	27	9	22	120	907945086
20	14013	14187	14200	7343	27	9	22	120	907945086
21	13813	13987	14000	7346	27	9	22	120	907945086
22	13613	13787	13800	7350	27	9	22	120	907945086



## WELL COMPLETION DATA

Treatment Interval	Perforation Top (ft)	Perforation Bottom (ft)	Plug Depth (ft)	Vertical Depth (ft)	Perforation Count	Cluster Count	Cluster Spacing	Perforation Phasing	SalesOrder Number
23	13413	13587	13600	7353	27	9	22	120	907945086
24	13213	13387	13400	7357	27	9	22	120	907945086
25	13013	13187	13200	7360	27	9	22	120	907945086
26	12813	12987	13000	7364	27	9	22	120	907945086
27	12613	12787	12800	7367	27	9	22	120	907945086
28	12413	12587	12600	7371	27	9	22	120	907945086
29	12213	12387	12400	7374	27	9	22	120	907945086
30	12013	12187	12200	7378	27	9	22	120	907945086
31	11813	11987	12000	7381	27	9	22	120	907945086
32	11613	11787	11800	7385	27	9	22	120	907945086
33	11413	11587	11600	7389	27	9	22	120	907945086
34	11213	11387	11400	7392	27	9	22	120	907945086
35	11013	11187	11200	7396	27	9	22	120	907945086
36	10813	10987	11000	7399	27	9	22	120	907945086
37	10613	10787	10800	7403	27	9	22	120	907945086
38	10413	10587	10600	7406	27	9	22	120	907945086
39	10213	10387	10400	7410	27	9	22	120	907945086
40	10013	10187	10200	7413	27	9	22	120	907945086
41	9813	9987	10000	7417	27	9	22	120	907945086
42	9613	9787	9800	7420	27	9	22	120	907945086
43	9413	9587	9600	7424	27	9	22	120	907945086
44	9213	9387	9400	7427	27	9	22	120	907945086

WELL COMPLETION DATA

Treatment Interval	Perforation Top (ft)	Perforation Bottom (ft)	Plug Depth (ft)	Vertical Depth (ft)	Perforation Count	Cluster Count	Cluster Spacing	Perforation Phasing	SalesOrder Number
45	9013	9187	9200	7431	27	9	22	120	907945086
46	8813	8987	9000	7435	27	9	22	120	907945086
47	8613	8787	8800	7438	27	9	22	120	907945086
48	8413	8587	8600	7442	27	9	22	120	907945086
49	8213	8387	8400	7445	27	9	22	120	907945086
50	8013	8187	8200	7421	27	9	22	120	907945086
51	7813	7987	8000	7332	27	9	22	120	907945086

Job Totals - Fluid Systems

	15% HCl (Acid)		FW water (FIGHTR EC-17)		FW water (FIGHTR EC-17) HVER 3.0 ent		Pump Down (Pump Down)		Treated Water (fresh Water)		Total	
Treatment	gal	bbl	gal	bbl	gal	bbl	gal	bbl	gal	bbl	gal	bbl
1	1,000	23.8	0	0.0	127,353	3,032.2	0	0.0	0	0.0	128,353	3,056.0
2	998	23.8	0	0.0	342,103	8,145.3	20,412	486.0	0	0.0	363,513	8,655.1
3	998	23.8	0	0.0	372,080	8,859.0	18,984	452.0	0	0.0	392,062	9,334.8
4	998	23.8	0	0.0	371,666	8,849.2	18,606	443.0	0	0.0	391,270	9,316.0
5	499	11.9	0	0.0	337,198	8,028.5	17,976	428.0	0	0.0	355,673	8,468.4
6	499	11.9	0	0.0	339,511	8,083.6	18,396	438.0	0	0.0	358,406	8,533.5
7	250	6.0	0	0.0	338,590	8,061.7	16,422	391.0	0	0.0	355,262	8,458.6
8	248	5.9	0	0.0	340,013	8,095.5	18,396	438.0	0	0.0	358,657	8,539.5
9	248	5.9	0	0.0	336,468	8,011.1	15,960	380.0	0	0.0	352,676	8,397.0
10	248	5.9	0	0.0	354,736	8,446.1	15,498	369.0	0	0.0	370,482	8,821.0
11	250	6.0	0	0.0	332,500	7,916.7	14,196	338.0	0	0.0	346,946	8,260.6
12	0	0.0	0	0.0	336,010	8,000.2	15,960	380.0	0	0.0	351,970	8,380.2
13	0	0.0	0	0.0	335,742	7,993.9	15,246	363.0	0	0.0	350,988	8,356.9
14	0	0.0	0	0.0	358,658	8,539.5	15,708	374.0	0	0.0	374,366	8,913.5
15	0	0.0	0	0.0	335,182	7,980.5	14,658	349.0	0	0.0	349,840	8,329.5
16	499	11.9	0	0.0	331,172	7,885.0	0	0.0	0	0.0	331,671	7,896.9
17	0	0.0	0	0.0	334,875	7,973.2	13,104	312.0	0	0.0	347,979	8,285.2
18	0	0.0	0	0.0	333,229	7,934.0	14,028	334.0	0	0.0	347,257	8,268.0
19	0	0.0	0	0.0	286,390	6,818.8	13,188	314.0	0	0.0	299,578	7,132.8
20	0	0.0	0	0.0	341,380	8,128.1	13,272	316.0	0	0.0	354,652	8,444.1
21	0	0.0	0	0.0	370,845	8,829.6	11,592	276.0	0	0.0	382,437	9,105.6
22	499	11.9	0	0.0	336,222	8,005.3	11,130	265.0	0	0.0	347,851	8,282.2
23	499	11.9	0	0.0	332,929	7,926.9	11,844	282.0	0	0.0	345,272	8,220.8
24	499	11.9	0	0.0	341,815	8,138.5	10,416	248.0	0	0.0	352,730	8,398.3
25	499	11.9	0	0.0	337,519	8,036.2	10,374	247.0	0	0.0	348,392	8,295.0
26	499	11.9	0	0.0	332,808	7,924.0	66,360	1,580.0	0	0.0	399,667	9,515.9
27	499	11.9	0	0.0	333,127	7,931.6	9,324	222.0	0	0.0	342,950	8,165.5
28	499	11.9	0	0.0	333,447	7,939.2	9,450	225.0	0	0.0	343,396	8,176.1
29	499	11.9	0	0.0	328,848	7,829.7	8,736	208.0	0	0.0	338,083	8,049.6
30	499	11.9	0	0.0	331,673	7,897.0	8,610	205.0	0	0.0	340,782	8,113.9
31	0	0.0	0	0.0	334,295	7,959.4	7,644	182.0	0	0.0	341,939	8,141.4
32	0	0.0	0	0.0	332,004	7,904.9	7,770	185.0	0	0.0	339,774	8,089.9
33	0	0.0	0	0.0	330,913	7,878.9	7,014	167.0	0	0.0	337,927	8,045.9
34	0	0.0	0	0.0	331,988	7,904.5	7,014	167.0	0	0.0	339,002	8,071.5
35	0	0.0	0	0.0	332,055	7,906.1	6,804	162.0	0	0.0	338,859	8,068.1
36	0	0.0	0	0.0	337,005	8,023.9	6,510	155.0	0	0.0	343,515	8,178.9
37	0	0.0	0	0.0	325,857	7,758.5	5,754	137.0	0	0.0	331,611	7,895.5
38	0	0.0	0	0.0	323,349	7,698.8	5,880	140.0	0	0.0	329,229	7,838.8
39	0	0.0	0	0.0	321,897	7,664.2	5,166	123.0	0	0.0	327,063	7,787.2
40	0	0.0	0	0.0	354,565	8,442.0	5,376	128.0	0	0.0	359,941	8,570.0
41	0	0.0	0	0.0	331,367	7,889.7	4,410	105.0	0	0.0	335,777	7,994.7
42	0	0.0	0	0.0	332,702	7,921.5	4,326	103.0	0	0.0	337,028	8,024.5
43	0	0.0	0	0.0	335,287	7,983.0	3,738	89.0	0	0.0	339,025	8,072.0
44	0	0.0	0	0.0	330,111	7,859.8	3,528	84.0	0	0.0	333,639	7,943.8
45	0	0.0	0	0.0	332,286	7,911.6	3,318	79.0	0	0.0	335,604	7,990.6
46	0	0.0	0	0.0	329,557	7,846.6	2,898	69.0	0	0.0	332,455	7,915.6
47	0	0.0	0	0.0	328,554	7,822.7	2,394	57.0	0	0.0	330,948	7,879.7
48	0	0.0	0	0.0	330,070	7,858.8	1,974	47.0	0	0.0	332,044	7,905.8
49	0	0.0	0	0.0	330,284	7,863.9	1,764	42.0	0	0.0	332,048	7,905.9
50	0	0.0	0	0.0	324,079	7,716.2	1,428	34.0	0	0.0	325,507	7,750.2
51	0	0.0	0	0.0	325,454	7,748.9	1,008	24.0	0	0.0	326,462	7,772.9
Total	11,226	267.3	0	0.0	16,917,768	402,804.0	543,564	12,942.0	0	0.0	17,472,558	416,013.3

Treatment Number	100 Mesh Premium White	30/50 Premium White	40/70 Premium White	SS-200 Premium White	Total
1	28,100	0	0	0	28,100
2	28,000	252,060	0	0	280,060
3	28,100	251,240	0	0	279,340
4	26,680	252,240	0	0	278,920
5	28,160	252,040	0	0	280,200
6	28,160	251,750	0	0	279,910
7	28,000	252,080	0	0	280,080
8	28,100	251,800	0	0	279,900
9	28,120	251,760	0	0	279,880
10	28,160	251,760	0	0	279,920
11	28,100	251,820	0	0	279,920
12	28,180	251,780	0	0	279,960
13	28,280	252,580	0	0	280,860
14	28,420	250,440	0	0	278,860
15	28,100	251,640	0	0	279,740
16	28,120	251,770	0	0	279,890
17	27,840	251,840	0	0	279,680
18	28,100	252,880	0	0	280,980
19	24,500	194,140	0	0	218,640
20	28,020	251,800	0	0	279,820
21	28,160	251,730	0	0	279,890
22	26,100	251,780	0	0	277,880
23	28,180	251,720	0	0	279,900
24	28,180	250,160	0	0	278,340
25	31,200	251,680	0	0	282,880
26	0	250,980	28,600	0	279,580
27	0	251,800	28,100	0	279,900
28	0	251,840	28,300	0	280,140
29	0	251,760	28,980	0	280,740
30	0	251,740	28,120	0	279,860
31	0	251,800	28,100	0	279,900
32	0	251,720	28,180	0	279,900
33	0	254,540	28,160	0	282,700
34	0	251,740	28,100	0	279,840
35	0	252,140	29,200	0	281,340
36	0	253,540	26,200	0	279,740
37	0	251,740	28,040	0	279,780
38	0	251,780	28,180	0	279,960
39	0	251,800	28,120	0	279,920
40	0	251,440	28,100	0	279,540
41	0	251,780	28,000	0	279,780
42	28,100	251,740	0	0	279,840
43	28,160	252,928	0	0	281,088
44	28,000	0	251,520	0	279,520
45	28,140	0	252,640	0	280,780
46	28,000	0	250,140	0	278,140
47	28,080	0	251,920	0	280,000
48	28,220	184,880	68,020	0	281,120
49	27,000	252,920	0	0	279,920
50	28,040	251,920	0	0	279,960
51	28,180	252,120	0	0	280,300
Total	978,980	11,463,138	1,524,720	0	13,966,838

	Average						Max			ISIP		Ball Seat Information			Formation Break		Pressures				
Treatment	Pressure (psi)	Rate (bpm)	Prop Conc (ppg)	Visc. (cp)	Temp (f)	pH	Pressure (psi)	Rate (bpm)	Prop Conc (ppg)	ISIP (psi)	F. G. (ppg/l)	Pressure (psi)	Rate (bpm)	Volume (bbl)	Pressure (psi)	Rate (bpm)	Open (psi)	Shut-In (psi)	5 Min (psi)	10 Min (psi)	15 Min (psi)
1	7,606	62.5	0.27	0	60	0.0	8,832	70.5	0.75	4,163	1.005	0	0.0	0	8,525	40.5	3,768	3,769	0	0	0
2	7,991	86.3	0.79	0	60	0.0	8,571	100.6	2.00	4,034	0.990	5,364	19.9	375	5,389	19.9	3,835	3,998	0	0	0
3	7,759	89.3	0.73	0	60	0.0	8,370	97.2	2.00	4,685	1.080	5,367	20.1	371	6,756	20.1	3,946	4,168	0	0	0
4	7,761	91.2	0.71	0	60	0.0	8,351	100.5	2.00	4,337	1.030	0	0.0	0	5,662	10.1	4,130	4,298	0	0	0
5	7,678	81.9	0.78	0	60	0.0	8,586	100.2	2.00	4,268	1.020	0	0.0	0	5,272	10.0	4,038	4,262	0	0	0
6	8,063	87.4	0.79	0	60	0.0	8,876	98.9	4.00	4,719	1.080	0	0.0	0	5,338	10.3	4,093	4,511	0	0	0
7	8,212	88.7	0.80	0	60	0.0	8,723	92.3	3.00	4,470	1.050	0	0.0	0	5,206	10.6	3,983	4,442	0	0	0
8	8,125	91.5	0.77	0	60	0.0	8,779	100.2	3.00	4,724	1.080	0	0.0	0	5,018	9.7	4,050	4,422	0	0	0
9	8,197	91.4	0.75	0	60	0.0	8,813	100.3	4.00	4,726	1.080	0	0.0	0	8,004	36.0	3,937	4,182	0	0	0
10	8,283	91.7	0.87	0	60	0.0	8,786	100.2	3.00	4,415	1.040	0	0.0	0	0	0.0	3,941	4,315	0	0	0
11	8,149	85.2	0.75	0	60	0.0	8,938	96.5	4.00	4,751	1.083	0	0.0	0	7,906	35.1	4,023	4,362	0	0	0
12	7,950	80.4	0.81	0	60	0.0	8,382	87.2	3.00	4,647	1.068	0	0.0	0	6,987	20.2	3,901	4,539	0	0	0
13	7,873	83.3	0.75	0	60	0.0	8,476	88.8	4.00	4,910	1.104	0	0.0	0	6,821	12.8	4,118	4,650	0	0	0
14	8,325	95.1	0.88	0	60	0.0	8,769	100.0	2.00	4,496	1.047	0	0.0	0	7,231	40.5	4,299	4,770	0	0	0
15	8,328	94.9	0.89	0	60	0.0	8,691	100.3	3.00	4,593	1.060	0	0.0	0	7,650	35.4	4,102	4,425	0	0	0
16	8,061	85.3	0.78	0	60	0.0	8,738	95.5	4.00	4,809	1.090	0	0.0	0	8,059	36.6	4,244	4,594	0	0	0
17	8,441	94.5	0.90	0	60	0.0	8,772	100.1	2.00	4,731	1.078	0	0.0	0	0	0.0	4,045	4,890	0	0	0
18	7,527	83.4	0.80	0	60	0.0	8,614	92.5	3.00	4,780	1.085	0	0.0	0	8,611	34.6	4,036	4,647	0	0	0
19	8,310	84.1	0.85	0	60	0.0	9,104	99.6	2.00	4,658	1.068	0	0.0	0	0	0.0	4,172	851	0	0	0
20	8,155	89.1	0.78	0	60	0.0	8,835	95.0	2.00	4,977	1.110	0	0.0	0	8,264	49.0	4,323	4,925	0	0	0
21	7,571	76.1	0.73	0	60	0.0	8,286	84.6	2.00	5,162	1.140	0	0.0	0	7,862	30.2	4,230	4,669	0	0	0
22	7,838	83.6	0.90	0	60	0.0	8,910	100.2	2.33	4,650	1.066	0	0.0	0	0	0.0	4,247	4,909	0	0	0
23	7,751	82.9	0.80	0	60	0.0	8,678	94.5	3.00	5,063	1.120	0	0.0	0	8,385	44.2	4,295	4,816	0	0	0
24	7,751	84.9	0.98	0	60	0.0	8,540	93.2	3.00	4,795	1.085	0	0.0	0	0	0.0	4,221	4,817	0	0	0
25	7,976	87.6	0.99	0	60	0.0	8,787	96.4	4.00	4,688	1.070	0	0.0	0	0	0.0	4,356	4,622	0	0	0
26	8,025	88.7	0.70	0	60	0.0	8,517	94.5	4.00	4,778	1.080	0	0.0	0	8,369	48.7	4,180	4,065	0	0	0
27	7,865	89.1	0.92	0	60	0.0	8,755	99.8	4.00	4,411	1.032	0	0.0	0	0	0.0	4,188	2,497	0	0	0
28	7,614	87.9	0.81	0	60	0.0	8,719	96.2	3.00	4,666	1.066	0	0.0	0	8,293	42.4	4,224	4,189	0	0	0
29	7,961	94.0	0.96	0	60	0.0	8,552	101.5	4.00	4,407	1.030	0	0.0	0	8,314	41.3	4,327	4,021	0	0	0
30	8,006	95.1	0.98	0	60	0.0	8,660	101.3	4.00	4,381	1.027	0	0.0	0	0	0.0	4,282	4,806	0	0	0
31	7,917	94.3	0.85	0	60	0.0	8,458	101.3	4.00	4,636	1.060	0	0.0	0	6,590	18.9	5,099	4,579	0	0	0
32	7,878	96.8	0.75	0	60	0.0	8,413	101.0	4.00	4,671	1.060	0	0.0	0	4,877	3.8	4,860	4,854	0	0	0
33	8,056	97.0	0.77	0	60	0.0	8,673	103.7	4.00	4,998	1.109	0	0.0	0	6,579	18.4	4,176	4,653	0	0	0
34	7,661	93.6	0.84	0	60	0.0	8,517	99.5	4.00	4,606	1.056	0	0.0	0	8,515	45.2	4,155	4,542	0	0	0
35	7,905	97.6	0.76	0	60	0.0	8,943	107.0	4.00	4,902	1.096	0	0.0	0	5,458	15.1	4,106	5,082	0	0	0
36	7,833	94.4	0.85	0	60	0.0	8,570	100.1	4.00	4,573	1.051	0	0.0	0	5,987	18.0	4,361	4,573	0	0	0
37	7,797	96.3	0.84	0	60	0.0	8,284	100.0	3.00	4,572	1.050	0	0.0	0	7,036	31.1	4,197	4,548	0	0	0
38	7,755	96.6	0.78	0	60	0.0	8,580	101.2	4.00	4,793	1.080	0	0.0	0	5,906	18.5	4,384	4,517	0	0	0
39	7,707	96.1	0.86	0	60	0.0	9,109	100.3	4.00	4,733	1.072	0	0.0	0	7,203	40.7	4,384	4,626	0	0	0
40	7,737	97.3	0.67	0	60	0.0	8,916	104.2	4.00	4,709	1.068	0	0.0	0	7,156	32.5	4,314	4,465	0	0	0
41	7,516	91.7	0.87	0	60	0.0	8,671	97.0	4.00	4,758	1.070	0	0.0	0	6,891	23.0	4,392	4,680	0	0	0
42	7,982	97.0	0.76	0	60	0.0	8,756	103.4	4.00	4,708	1.067	0	0.0	0	5,872	18.3	4,389	4,535	0	0	0
43	7,694	97.8	0.84	0	60	0.0	8,457	103.8	4.00	4,636	1.057	0	0.0	0	5,675	12.9	4,311	4,382	0	0	0
44	7,742	97.5	0.86	0	60	0.0	8,471	100.9	4.00	4,712	1.070	0	0.0	0	6,090	19.2	4,375	4,536	0	0	0
45	7,934	98.0	0.79	0	60	0.0	8,685	101.1	4.00	4,888	1.090	0	0.0	0	5,344	5.8	4,288	5,060	0	0	0
46	7,589	98.0	0.83	0	60	0.0	8,597	102.0	4.00	2,993	0.836	0	0.0	0	6,152	21.0	4,436	2,993	0	0	0
47	6,695	88.8	0.80	0	60	0.0	8,243	100.6	4.00	4,841	1.080	0	0.0	0	7,038	29.2	4,360	4,748	0	0	0
48	7,381	96.9	0.78	0	60	0.0	8,325	101.0	3.00	4,779	1.080	0	0.0	0	6,256	30.1	4,486	4,707	0	0	0
49	7,369	98.1	0.86	0	60	0.0	8,216	100.7	4.00	4,631	1.060	0	0.0	0	5,239	10.0	4,396	4,543	0	0	0
50	7,005	97.2	0.87	0	60	0.0	8,254	100.5	4.00	4,560	1.050	0	0.0	0	5,880	17.2	4,274	4,508	0	0	0
51	7,298	96.0	0.87	0	60	0.0	8,297	100.9	4.00	4,872	1.100	0	0.0	0	7,957	39.8	4,822	4,404	4,503	4,448	4,416

[illegible]