

SOMBRERO FEDERAL COM #4H (30-025-43286)

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
1	1512	234830	354354
2	3024	281400	353892
3	3024	287900	525882
4	3024	198220	481026
5	3024	274810	422436
6	3024	293410	536340
7	3024	224310	350700
8	3024	298340	391146
9	3024	270120	444822
10	3024	279570	469644
11	3024	292340	430668
12	3024	298210	383544
13	3024	284670	417858
14	3024	278910	353724
15	3024	298920	419076
16	3024	301360	390222
17	3024	312950	740292
18	3024	298550	578676
19	3024	294940	637686
20	3024	305740	590730
21	3024	288458	500052
22	3024	299430	380604
23	3024	298450	406938
24	3024	297610	348474
25	3024	305270	505890
26	3024	299490	393918
27	3024	298740	355236
28	3024	299370	350028
29	3024	307500	355152
30	3024	301070	355656
31	3024	300070	351666
32	3024	299290	348768
33	3024	291940	344694
34	3024	300270	346878
35	3024	298500	342342
36	3024	296610	342048
37	3024	297620	408954
38	3012	293140	343170
39	3024	302380	346668
40	3024	296330	340284
41	3024	298340	336966
42	3024	301190	377118
43	3024	295020	345450
44	3024	303270	343812
45	3024	294190	343308
Totals	134,556	13,073,048	18,486,792

HOBBS OCD

AUG 11 2017

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From Bottom to Top	Stage 1	Distance Between Perfs	Shots	Stage 2	Distance Between Perfs	Shots	Stage 3	Distance Between Perfs	Shots	Stage 4	Distance Between Perfs	Shots	Stage 5	Distance Between Perfs	Shots
	16,510	38	14	16,340	57	14	16,207	38	14	16,083	41	14	15,905	38	14
	16,472	38	12	16,321	38	12	16,170	38	12	16,022	42	12	15,867	38	12
	16,434	37	10	16,283	38	10	16,132	38	10	15,980	37	10	15,829	38	10
	16,397		8	16,245		8	16,094		8	15,943		8	15,791		8
	Plug to Plug	136	44	Plug to Plug	115	44	Plug to Plug	136	44	Plug to Plug	132	44	Plug to Plug	133	44
	Frac Plug	16,535	Total Shots	Frac Plug	16,368	Total Shots	Frac Plug	16,232	Total Shots	Frac Plug	16,075	Total Shots	Frac Plug	15,924	Total Shots

From Bottom to Top	Stage 6	Distance Between Perfs	Shots	Stage 7	Distance Between Perfs	Shots	Stage 8	Distance Between Perfs	Shots	Stage 9	Distance Between Perfs	Shots	Stage 10	Distance Between Perfs	Shots
	15,753	38	14	15,602	40	14	15,451	38	14	15,294	43	14	15,148	38	14
	15,716	38	12	15,564	38	12	15,413	38	12	15,262	38	12	15,110	38	12
	15,678	38	10	15,526	37	10	15,375	38	10	15,224	38	10	15,072	37	10
	15,642		8	15,489		8	15,337		8	15,186		8	15,035		8
	Plug to Plug	130	44	Plug to Plug	132	44	Plug to Plug	133	44	Plug to Plug	132	44	Plug to Plug	124	44
	Frac Plug	15,772	Total Shots	Frac Plug	15,621	Total Shots	Frac Plug	15,470	Total Shots	Frac Plug	15,318	Total Shots	Frac Plug	15,159	Total Shots

From Bottom to Top	Stage 11	Distance Between Perfs	Shots	Stage 12	Distance Between Perfs	Shots	Stage 13	Distance Between Perfs	Shots	Stage 14	Distance Between Perfs	Shots	Stage 15	Distance Between Perfs	Shots
	14,997	38	14	14,840	43	14	14,694	36	14	14,543	38	14	14,391	38	14
	14,959	38	12	14,808	38	12	14,658	38	12	14,505	38	12	14,354	38	12
	14,921	38	10	14,770	40	10	14,618	37	10	14,467	38	10	14,316	38	10
	14,883		8	14,730		8	14,581		8	14,429		8	14,278		8
	Plug to Plug	133	44	Plug to Plug	124	44	Plug to Plug	132	44	Plug to Plug	133	44	Plug to Plug	132	44
	Frac Plug	15,016	Total Shots	Frac Plug	14,854	Total Shots	Frac Plug	14,713	Total Shots	Frac Plug	14,562	Total Shots	Frac Plug	14,410	Total Shots

From Bottom to Top	Stage 16	Distance Between Perfs	Shots	Stage 17	Distance Between Perfs	Shots	Stage 18	Distance Between Perfs	Shots	Stage 19	Distance Between Perfs	Shots	Stage 20	Distance Between Perfs	Shots
	14,240	38	14	14,089	38	14	13,937	38	14	13,786	38	14	13,625	48	13654
	14,202	38	12	14,051	38	12	13,897	31	12	13,748	38	12	13,597	38	
	14,164	37	10	14,013	38	10	13,868	42	10	13,710	37	10	13,559	30	
	14,127		8	13,975		8	13,824		8	13,673		8	13,529		
	Plug to Plug	132	44	Plug to Plug	133	44	Plug to Plug	132	44	Plug to Plug	132	44	Plug to Plug	112	13654
	Frac Plug	14,250	Total Shots	Frac Plug	14,108	Total Shots	Frac Plug	13,956	Total Shots	Frac Plug	13,805	Total Shots	Frac Plug	13,641	Total Shots

From Bottom to Top	Stage 21	Distance Between Perfs	Shots	Stage 22	Distance Between Perfs	Shots	Stage 23	Distance Between Perfs	Shots	Stage 24	Distance Between Perfs	Shots	Stage 25	Distance Between Perfs	Shots
	13,483	46	14	13,324	46	14	13,181	35	14	13,029	38	14	12,873	43	14
	13,445	38	12	13,294	38	12	13,143	38	12	12,992	38	12	12,840	38	12
	13,406	38	10	13,256	40	10	13,105	38	10	12,954	38	10	12,802	37	10
	13,370		8	13,216		8	13,067		8	12,916		8	12,765		8
	Plug to Plug	132	44	Plug to Plug	124	44	Plug to Plug	133	44	Plug to Plug	132	44	Plug to Plug	132	44
	Frac Plug	13,502	Total Shots	Frac Plug	13,340	Total Shots	Frac Plug	13,209	Total Shots	Frac Plug	13,048	Total Shots	Frac Plug	12,887	Total Shots

From Bottom to Top	Stage 26	Distance Between Perfs	Shots	Stage 27	Distance Between Perfs	Shots	Stage 28	Distance Between Perfs	Shots	Stage 29	Distance Between Perfs	Shots	Stage 30	Distance Between Perfs	Shots
	12,725	40	14	12,575	38	14	12,424	40	14	12,273	38	14	12,121	38	14
	12,689	38	12	12,538	38	12	12,386	38	12	12,235	38	12	12,083	42	12
	12,651	38	10	12,500	38	10	12,346	37	10	12,197	38	10	12,041	33	10
	12,613		8	12,464		8	12,311		8	12,159		8	12,008		8
	Plug to Plug	127	44	Plug to Plug	130	44	Plug to Plug	132	44	Plug to Plug	132	44	Plug to Plug	134	44
	Frac Plug	12,746	Total Shots	Frac Plug	12,584	Total Shots	Frac Plug	12,443	Total Shots	Frac Plug	12,291	Total Shots	Frac Plug	12,142	Total Shots

From Bottom to Top	Stage 31	Distance Between Perfs	Shots	Stage 32	Distance Between Perfs	Shots	Stage 33	Distance Between Perfs	Shots	Stage 34	Distance Between Perfs	Shots	Stage 35	Distance Between Perfs	Shots
	11,970	36	14	11,819	38	14	11,659	44	14	11,508	46	14	11,354	39	14
	11,932	38	12	11,781	38	12	11,630	38	12	11,478	37	12	11,330	41	12
	11,894	37	10	11,743	40	10	11,582	38	10	11,441	38	10	11,289	38	10
	11,857		8	11,703		8	11,554		8	11,403		8	11,251		8
	Plug to Plug	132	44	Plug to Plug	135	44	Plug to Plug	132	44	Plug to Plug	121	44	Plug to Plug	133	44
	Frac Plug	11,989	Total Shots	Frac Plug	11,838	Total Shots	Frac Plug	11,686	Total Shots	Frac Plug	11,524	Total Shots	Frac Plug	11,384	Total Shots

From Bottom to Top	Stage 36	Distance Between Perfs	Shots	Stage 37	Distance Between Perfs	Shots	Stage 38	Distance Between Perfs	Shots	Stage 39	Distance Between Perfs	Shots	Stage 40	Distance Between Perfs	Shots
	11,214	37	14	11,059	41	14	10,911	38	14	10,760	37	14	10,608	41	14
	11,178	38	12	11,027	40	12	10,872	37	12	10,719	38	12	10,570	37	12
	11,138	38	10	10,987	38	10	10,835	38	10	10,683	34	10	10,533	38	10
	11,100		8	10,949		8	10,767		8	10,649		8	10,495		8
	Plug to Plug	128	44	Plug to Plug	132	44	Plug to Plug	133	44	Plug to Plug	129	44	Plug to Plug	132	44
	Frac Plug	11,228	Total Shots	Frac Plug	11,081	Total Shots	Frac Plug	10,930	Total Shots	Frac Plug	10,778	Total Shots	Frac Plug	10,627	Total Shots

From Bottom to Top	Stage 41	Distance Between Perfs	Shots	Stage 42	Distance Between Perfs	Shots	Stage 43	Distance Between Perfs	Shots	Stage 44	Distance Between Perfs	Shots	Stage 45	Distance Between Perfs	Shots
	10,457	38	14	10,306	41	14	10,154	38	14	10,003	39	14	9,852	37	14
	10,419	39	12	10,268	38	12	10,118	40	12	9,965	38	12	9,814	35	12
	10,380	33	10	10,230	38	10	10,076	34	10	9,927	38	10	9,779	41	10
	10,347		8	10,192		8	10,042		8	9,899		8	9,738		8
	Plug to Plug	133	44	Plug to Plug	132	44	Plug to Plug	136	44	Plug to Plug	133	44	Plug to Plug	132	44
	Frac Plug	10,480	Total Shots	Frac Plug	10,334	Total Shots	Frac Plug	10,178	Total Shots	Frac Plug	10,022	Total Shots	Frac Plug	9,870	Total Shots