

Avion Federal #301H

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
1	1554	361479	312438
2	4032	316797	343518
3	3024	304387	333228
4	3066	360822	388122
5	3066	364628	388458
6	3024	360665	343392
7	3024	360949	407568
8	3024	360817	353934
9	3024	360287	355320
10	3024	359555	409752
11	3024	361156	347508
12	3024	360987	378840
13	3024	360270	348012
14	3024	360460	327348
15	3024	360330	401604
16	3024	357500	468342
17	3024	361067	377748
18	3024	360188	344778
19	3024	361915	348012
20	3024	359211	365736
21	3012	362405	331914
22	3012	360634	319517
23	3024	353810	337008
24	3024	346560	364434
25	3012	360919	332586
26	3024	360934	342090
27	3012	361854	318138
28	3024	360350	322098
29	3024	360143	316386
30	3024	360913	316176
31	3012	359491	358958
32	3012	340179	298356
33	3024	344200	306348
34	3024	360300	315546
35	3024	360240	314412
36	3000	360390	452400
37	3024	360674	314328
38	3024	360165	313824
39	3024	360320	325710
40	3024	360298	310674
41	3024	360260	327348
42	3024	360395	296058
43	3024	361617	302904
44	4566	249870	357492
45	4524	331020	467994
46	3012	313180	389412
47	3024	359430	343224
48	3024	359993	307440
49	3024	361403	357042
50	3024	363000	299040
51	3024	360110	350826
52	3024	360410	296688
53	3024	359727	302988
54	3024	359978	302274
55	3066	369611	347424
Totals	168,916	19,498,253	19,002,714

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
	19,553	22	4	19,340	57	4	19,188	31	4	19,014	27	4	18,841	29	4
	19,531	23	4	19,326	16	4	19,175	21	4	18,997	23	4	18,819	23	4
	19,508	22	4	19,310	16	4	19,154	24	4	18,974	22	4	18,796	22	4
	19,486	22	4	19,294	24	4	19,130	25	4	18,952	22	4	18,774	22	4
	19,464	22	4	19,270	18	4	19,105		4	18,930	22	4	18,752	20	4
	19,442	23	4	19,252	16	4	19,088	27	4	18,908	23	4	18,732	25	4
	19,419	22	3	19,236	17	3	19,059	18	3	18,885	15	3	18,707	17	3
	19,397		3	19,219		3	19,041		3	18,870		3	18,690		3
	Plug to Plug	92	30	Plug to Plug	60	30	Plug to Plug	78	30	Plug to Plug	78	30	Plug to Plug	86	30
	Frac Plug	19,576	Total Shots	Frac Plug	19,354	Total Shots	Frac Plug	19,208	Total Shots	Frac Plug	19,030	Total Shots	Frac Plug	18,860	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
	18,663	27	4	18,485	27	4	18,304	22	4	18,125	26	4	17,951	22	4
	18,636	18	4	18,466	26	4	18,283	21	4	18,107	23	4	17,929	23	4
	18,618	26	4	18,440	25	4	18,262	22	4	18,084	22	4	17,906	22	4
	18,582	18	4	18,415	19	4	18,240	22	4	18,082	22	4	17,884	22	4
	18,574	28	4	18,396	26	4	18,218	22	4	18,040	22	4	17,862	22	4
	18,546	17	4	18,370	19	4	18,198	23	4	18,018	23	4	17,840	23	4
	18,529	17	3	18,351	25	3	18,173	22	3	17,995	22	3	17,817	22	3
	18,512		3	18,326		3	18,151		3	17,973		3	17,795		3
	Plug to Plug	82	30	Plug to Plug	81	30	Plug to Plug	73	30	Plug to Plug	72	30	Plug to Plug	76	30
	Frac Plug	18,674	Total Shots	Frac Plug	18,496	Total Shots	Frac Plug	18,313	Total Shots	Frac Plug	18,134	Total Shots	Frac Plug	17,960	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
	17,773	22	4	17,595	22	4	17,408	31	4	17,239	22	4	17,061	22	4
	17,751	23	4	17,572	22	4	17,394	21	4	17,216	22	4	17,038	22	4
	17,728	22	4	17,550	22	4	17,373	23	4	17,194	22	4	17,016	22	4
	17,706	22	4	17,528	22	4	17,350	22	4	17,172	22	4	16,994	19	4
	17,684	23	4	17,506	23	4	17,328	23	4	17,150	23	4	16,975	26	4
	17,661	22	4	17,483	22	4	17,305	22	4	17,127	22	4	16,949	16	4
	17,639	22	3	17,461	22	3	17,283	22	3	17,105	22	3	16,933	26	3
	17,617		3	17,439		3	17,261		3	17,083		3	16,907		3
	Plug to Plug	78	30	Plug to Plug	78	30	Plug to Plug	78	30	Plug to Plug	78	30	Plug to Plug	78	30
	Frac Plug	17,784	Total Shots	Frac Plug	17,606	Total Shots	Frac Plug	17,428	Total Shots	Frac Plug	17,250	Total Shots	Frac Plug	17,072	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
	16,878	29	4	16,697	30	4	16,520	29	4	16,340	31	4	16,168	25	4
	16,860	28	4	16,682	29	4	16,504	20	4	16,326	19	4	16,148	22	4
	16,832	16	4	16,653	15	4	16,484	24	4	16,307	25	4	16,128	22	4
	16,816	17	4	16,638	31	4	16,460	20	4	16,282	19	4	16,104	22	4
	16,799	28	4	16,607	14	4	16,440	25	4	16,263	26	4	16,082	23	4
	16,771	17	4	16,583	30	4	16,415	22	4	16,237	20	4	16,059	22	4
	16,754	27	3	16,663	14	3	16,393	22	3	16,217	24	3	16,037	22	3
	16,727		3	16,549		3	16,371		3	16,193		3	16,015		3
	Plug to Plug	80	30	Plug to Plug	78	30	Plug to Plug	78	30	Plug to Plug	78	30	Plug to Plug	78	30
	Frac Plug	16,896	Total Shots	Frac Plug	16,716	Total Shots	Frac Plug	16,538	Total Shots	Frac Plug	16,360	Total Shots	Frac Plug	16,182	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
	15,983	32	4	15,802	35	4	15,624	35	4	15,446	35	4	15,274	29	4
	15,970	22	4	15,792	22	4	15,614	22	4	15,436	22	4	15,258	22	4
	15,948	22	4	15,770	22	4	15,592	22	4	15,414	22	4	15,236	22	4
	15,926	22	4	15,748	23	4	15,570	23	4	15,392	23	4	15,214	23	4
	15,904	23	4	15,725	22	4	15,547	22	4	15,369	22	4	15,191	22	4
	15,881	22	4	15,703	22	4	15,525	22	4	15,347	22	4	15,169	22	4
	15,859	22	3	15,681	22	3	15,503	22	3	15,325	22	3	15,147	19	3
	15,837		3	15,659		3	15,481		3	15,303		3	15,128		3
	Plug to Plug	68	30	Plug to Plug	66	30	Plug to Plug	66	30	Plug to Plug	66	30	Plug to Plug	72	30
	Frac Plug	15,994	Total Shots	Frac Plug	15,814	Total Shots	Frac Plug	15,636	Total Shots	Frac Plug	15,458	Total Shots	Frac Plug	15,280	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
	15,100	28	4	14,924	29	4	14,746	27	4	14,568	23	4	14,390	23	4
	15,084	26	4	14,896	16	4	14,721	19	4	14,546	22	4	14,368	22	4
	15,058	19	4	14,880	27	4	14,702	26	4	14,524	23	4	14,346	24	4
	15,039	26	4	14,853	18	4	14,676	19	4	14,501	22	4	14,322	21	4
	15,013	16	4	14,835	27	4	14,657	26	4	14,479	22	4	14,301	23	4
	14,997	28	4	14,808	17	4	14,631	18	4	14,457	22	4	14,278	21	4
	14,969	16	3	14,791	18	3	14,613	25	3	14,435	22	3	14,257	22	3
	14,953		3	14,773		3	14,588		3	14,413		3	14,235		3
	Plug to Plug	73	30	Plug to Plug	83	30	Plug to Plug	81	30	Plug to Plug	75	30	Plug to Plug	79	30
	Frac Plug	15,112	Total Shots	Frac Plug	14,936	Total Shots	Frac Plug	14,757	Total Shots	Frac Plug	14,576	Total Shots	Frac Plug	14,401	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
	14,212	23	4	14,034	23	4	13,856	22	4	13,679	21	4	13,492	30	4
	14,190	22	4	14,012	22	4	13,834	22	4	13,656	22	4	13,478	24	4
	14,168	22	4	13,990	23	4	13,812	23	4	13,634	23	4	13,454	21	4
	14,146	23	4	13,967	22	4	13,789	22	4	13,611	22	4	13,433	23	4
	14,123	22	4	13,945	22	4	13,767	22	4	13,589	22	4	13,410	23	4
	14,101	22	4	13,923	22	4	13,745	22	4	13,567	20	4	13,387	20	4
	14,079	22	3	13,901	23	3	13,723	23	3	13,547	25	3	13,367	17	3
	14,057		3	13,878		3	13,700		3	13,522		3	13,350		3
	Plug to Plug	77	30	Plug to Plug	78	30	Plug to Plug	78	30	Plug to Plug	78	30	Plug to Plug	78	30
	Frac Plug	14,223	Total Shots	Frac Plug	14,045	Total Shots	Frac Plug	13,867	Total Shots	Frac Plug	13,689	Total Shots	Frac Plug	13,511	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
	13,322	28	4	13,134	32	4	12,962	34	4	12,783	27	4	12,601	31	4
	13,300	22	4	13,114	14	4	12,944	22	4	12,763	24	4	12,588	20	4
	13,278	23	4	13,100	19	4	12,922	23	4	12,739	18	4	12,568	25	4
	13,256	22	4	13,081	26	4	12,899	22	4	12,721	28	4	12,543	18	4
	13,233	22	4	13,055	27	4	12,877	22	4	12,693	16	4	12,525	26	4
	13,211	22	4	13,028	17	4	12,855	22	4	12,677	18	4	12,499	19	4
	13,189	23	3	13,011	15	3	12,833	23	3	12,659	27	3	12,480	22	3
	13,166		3	12,996		3	12,810		3	12,632		3	12,458		3
	Plug to Plug	84	30	Plug to Plug	64	30	Plug to Plug	74	30	Plug to Plug	78	30	Plug to Plug	78	30
	Frac Plug	13,339	Total Shots	Frac Plug	13,145	Total Shots	Frac Plug	12,973	Total Shots	Frac Plug	12,799	Total Shots	Frac Plug	12,621	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
	12,436	22	4	12,249	29	4	12,072	26	4	11,898	22	4	11,719	23	4
	12,410	21	4	12,232	27	4	12,054	23	4	11,876	23	4	11,698	25	4
	12,389	24	4	12,205	18	4	12,031	22	4	11,853	22	4	11,673	20	4
	12,365	25	4	12,187	22	4	12,009	22	4	11,831	22	4	11,653	23	4
	12,340	19	4	12,165	22	4	11,987	22	4	11,809	22	4	11,630	21	4
	12,321	27	4	12,143	19	4	11,965	23	4	11,787	23	4	11,609	23	4
	12,294	16	3	12,124	26	3	11,942	22	3	11,764	22	3	11,586	22	3
	12,278		3	12,098		3	11,920		3	11,742		3	11,564		3
	Plug to Plug	82	30	Plug to Plug	78	30	Plug to Plug	78	30	Plug to Plug	83	30	Plug to Plug	78	30
	Frac Plug	12,447	Total Shots	Frac Plug	12,265	Total Shots	Frac Plug	12,087	Total Shots	Frac Plug	11,914	Total Shots	Frac Plug	11,731	Total Shots

From Bottom to Top	Stage 46	Distance Between Perfs	Shots	Stage 47	Distance Between Perfs	Shots	Stage 48	Distance Between Perfs	Shots	Stage 49	Distance Between Perfs	Shots	Stage 50	Distance Between Perfs	Shots
	11,542	22	4	11,355	31	4	11,181	27	4	11,001	29	4	10,826	27	4
	11,520	23	4	11,340	21	4	11,164	23	4	10,986	23	4	10,810	25	4
	11,497	22	4	11,319	22	4	11,141	22	4	10,963	20	4	10,785	20	4
	11,475	22	4	11,297	22	4	11,119	22	4	10,943	24	4	10,765	24	4
	11,453	22	4	11,275	22	4	11,097	22	4	10,919	20	4	10,741	20	4
	11,431	23	4	11,253	23	4	11,075	23	4	10,899	25	4	10,721	25	4
	11,408	22	3	11,230	22	3	11,052	22	3	10,874	21	3	10,696	21	3
	11,386		3	11,208		3	11,030		3	10,853		3	10,675		3
	Plug to Plug	82	30	Plug to Plug	69	30	Plug to Plug	73	30	Plug to Plug	69	30	Plug to Plug	72	30
	Frac Plug	11,557	Total Shots	Frac Plug	11,366	Total Shots	Frac Plug	11,192	Total Shots	Frac Plug	11,012	Total Shots	Frac Plug	10,837	Total Shots

From Bottom to Top	Stage 51	Distance Between Perfs	Shots	Stage 52	Distance Between Perfs	Shots	Stage 53	Distance Between Perfs	Shots	Stage 54	Distance Between Perfs	Shots	Stage 55	Distance Between Perfs	Shots
	10,650	25	4	10,474	22	4	10,296	22	4	10,118	22	4	9,935	27	4
	10,627	20	4	10,452	23	4	10,273	22	4	10,095	22	4	9,917	22	4
	10,607	22	4	10,429	22	4	10,251	22	4	10,073	22	4	9,895	22	4
	10,585	22	4	10,407	22	4	10,229	22	4	10,051	22	4	9,873	22	4
	10,563	22	4	10,385	22	4	10,207	23	4	10,029	23	4	9,851	23	4
	10,541	23	4	10,363	23	4	10,184	22	4	10,006	17	4	9,828	22	4
	10,518	22	3	10,340	22	3	10,162	22	3	9,989	27	3	9,806	22	3
	10,496		3	10,318		3	10,140		3	9,962		3	9,784		3
	Plug to Plug	77	30	Plug to Plug	78	30	Plug to Plug	78	30	Plug to Plug	78	30	Plug to Plug	79	30
	Frac Plug	10,662	Total Shots	Frac Plug	10,485	Total Shots	Frac Plug	10,307	Total Shots	Frac Plug	10,129	Total Shots	Frac Plug	9,952	Total Shots