

From Bottom to Top		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots
	17,145	22	5	16,968	22	5	16,782	31	5	16,609	26	5	16,436	22	5
	17,123	22	5	16,946	19	5	16,768	22	5	16,594	25	5	16,414	22	5
	17,101	22	5	16,927	26	5	16,746	22	5	16,569	28	5	16,392	22	5
	17,079	23	4	16,901	26	4	16,724	19	4	16,541	16	4	16,370	23	4
	17,058	22	4	16,875	18	4	16,705		4	16,525	25	4	16,347	22	4
	17,034	22	3	16,857	24	3	16,680	24	3	16,500	20	3	16,325	20	3
	17,012	22	3	16,833	20	3	16,656	21	3	16,480	22	3	16,305	24	3
	16,990		3	16,813		3	16,635		3	16,458		3	16,281		3
	Plug to Plug	91	32	Plug to Plug	78	32	Plug to Plug	66	32	Plug to Plug	76	32	Plug to Plug	74	32
Frac Plug	17,170	Total Shots	Frac Plug	16,979	Total Shots	Frac Plug	16,790	Total Shots	Frac Plug	16,617	Total Shots	Frac Plug	16,444	Total Shots	

From Bottom to Top		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots	
		16,252	29	5	16,082	22	5	15,904	26	5	15,730	19	5	15,554	18	5
		16,237	27	5	16,059	22	5	15,878	18	5	15,705	22	5	15,528	25	5
		16,210	18	5	16,037	22	5	15,850	23	5	15,683	22	5	15,503	20	5
		16,192	24	4	16,015	22	4	15,837	21	4	15,661	22	4	15,483	24	4
		16,168	20	4	15,993	22	4	15,816	23	4	15,639	23	4	15,459	20	4
		16,148	22	3	15,971	22	3	15,793	22	3	15,616	19	3	15,438	22	3
		16,126	22	3	15,949	19	3	15,771	22	3	15,597	25	3	15,417	22	3
		16,104		3	15,930		3	15,749		3	15,572		3	15,395		3
		Plug to Plug	78	32	Plug to Plug	78	32	Plug to Plug	75	32	Plug to Plug	74	32	Plug to Plug	78	32
	Frac Plug	16,270	Total Shots	Frac Plug	16,093	Total Shots	Frac Plug	15,912	Total Shots	Frac Plug	15,735	Total Shots	Frac Plug	15,561	Total Shots	

From Bottom to Top		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots
	15,368	27	5	15,195	22	5	15,008	34	5	14,841	22	5	14,664	22	5
	15,350	22	5	15,173	22	5	14,990	16	5	14,821	25	5	14,641	22	5
	15,328	19	5	15,151	22	5	14,974	22	5	14,796	27	5	14,619	22	5
	15,309	25	4	15,129	20	4	14,952	23	4	14,769	19	4	14,597	22	4
	15,284	25	4	15,109	25	4	14,929	22	4	14,750	23	4	14,575	22	4
	15,259	19	3	15,084	24	3	14,907	22	3	14,727	23	3	14,553	22	3
	15,240	23	3	15,060	20	3	14,885	22	3	14,704	18	3	14,531	23	3
	15,217		3	15,040		3	14,863		3	14,686		3	14,508		3
	Plug to Plug	67	32	Plug to Plug	77	32	Plug to Plug	64	32	Plug to Plug	80	32	Plug to Plug	78	32
Frac Plug	15,376	Total Shots	Frac Plug	15,206	Total Shots	Frac Plug	15,016	Total Shots	Frac Plug	14,849	Total Shots	Frac Plug	14,675	Total Shots	

From Bottom to Top		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots
	14,486	22	5	14,304	27	5	14,122	32	5	13,955	25	5	13,777	22	5
	14,464	22	5	14,287	26	5	14,110	23	5	13,928	18	5	13,755	22	5
	14,442	22	5	14,261	18	5	14,087	22	5	13,910	25	5	13,733	22	5
	14,420	20	4	14,243	23	4	14,065	22	4	13,885	19	4	13,711	21	4
	14,400	24	4	14,220	22	4	14,043	21	4	13,866	22	4	13,690	23	4
	14,376	19	3	14,198	22	3	14,022	23	3	13,844	22	3	13,667	18	3
	14,357	26	3	14,176	22	3	13,999	19	3	13,822	23	3	13,649	27	3
	14,331		3	14,154		3	13,980		3	13,799		3	13,622		3
	Plug to Plug	77	32	Plug to Plug	77	32	Plug to Plug	68	32	Plug to Plug	81	32	Plug to Plug	77	32
Frac Plug	14,497	Total Shots	Frac Plug	14,320	Total Shots	Frac Plug	14,133	Total Shots	Frac Plug	13,966	Total Shots	Frac Plug	13,788	Total Shots	

From Bottom to Top		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots
	13,586	26	5	13,417	28	5	13,246	22	5	13,063	27	5	12,888	25	5
	13,578	22	5	13,401	23	5	13,223	22	5	13,046	24	5	12,869	22	5
	13,556	22	5	13,378	27	5	13,201	22	5	13,022	20	5	12,847	19	5
	13,534	23	4	13,351	17	4	13,179	22	4	13,002	22	4	12,828	26	4
	13,511	22	4	13,334	24	4	13,157	22	4	12,980	22	4	12,802	17	4
	13,489	22	3	13,310	20	3	13,135	21	3	12,958	23	3	12,785	27	3
	13,467	22	3	13,290	22	3	13,114	24	3	12,935	22	3	12,758	24	3
	13,445		3	13,268		3	13,090		3	12,913		3	12,734		3
	Plug to Plug	77	32	Plug to Plug	77	32	Plug to Plug	78	32	Plug to Plug	77	32	Plug to Plug	69	32
Frac Plug	13,611	Total Shots	Frac Plug	13,428	Total Shots	Frac Plug	13,257	Total Shots	Frac Plug	13,079	Total Shots	Frac Plug	12,897	Total Shots	