

From Bottom to Top		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots
	17,255	22	5	17,036	64	5	16,894	28	5	16,715	30	5	16,540	25	5
	17,233	22	5	17,020	16	5	16,878	20	5	16,700	22	5	16,523	22	5
	17,211	23	5	17,004	16	5	16,858	25	5	16,678	22	5	16,501	23	5
	17,188	22	4	16,988	16	4	16,833	20	4	16,656	22	4	16,478	22	4
	17,166	22	4	16,972	16	4	16,813			16,634	21	4	16,456	22	4
	17,144	22	3	16,956	16	3	16,789	22	3	16,613	15	3	16,434	22	3
	17,122	22	3	16,940	18	3	16,767	22	3	16,598	33	3	16,412	22	3
	17,100		3	16,922		3	16,745		3	16,565		3	16,390		3
	Plug to Plug	82	32	Plug to Plug	36	32	Plug to Plug	78	32	Plug to Plug	79	32	Plug to Plug	78	32
Frac Plug	17,270	Total Shots	Frac Plug	17,024	Total Shots	Frac Plug	16,911	Total Shots	Frac Plug	16,735	Total Shots	Frac Plug	16,556	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
	16,364	26	5	16,180	32	5	16,004	31	5	15,827	30	5	15,651	29	5
	16,345	22	5	16,168	22	5	15,990	22	5	15,813	22	5	15,635	22	5
	16,323	22	5	16,146	26	5	15,968	22	5	15,791	18	5	15,613	22	5
	16,301	22	4	16,120	19	4	15,946	24	4	15,773	27	4	15,591	22	4
	16,279	22	4	16,101	22	4	15,922	20	4	15,748	22	4	15,569	22	4
	16,257	23	3	16,079	22	3	15,902	23	3	15,724	22	3	15,547	21	3
	16,234	22	3	16,057	22	3	15,879	22	3	15,702	22	3	15,526	24	3
	16,212		3	16,035		3	15,857		3	15,680		3	15,502		3
	Plug to Plug	78	32	Plug to Plug	78	32	Plug to Plug	78	32	Plug to Plug	65	32	Plug to Plug	68	32
Frac Plug	16,379	Total Shots	Frac Plug	16,198	Total Shots	Frac Plug	16,024	Total Shots	Frac Plug	15,838	Total Shots	Frac Plug	15,659	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
	15,480	22	5	15,300	24		15,125	22	5	14,944	26	5	14,768	24	5
	15,458	22	5	15,280	22		15,103	18	5	14,925	22	5	14,748	22	5
	15,436	22	5	15,258	22		15,085	26	5	14,903	22	5	14,726	22	5
	15,414	23	4	15,236	22		15,059	23	4	14,881	22	4	14,704	22	4
	15,391	22	4	15,214	22		15,036	22	4	14,859	22	4	14,682	23	4
	15,369	22	3	15,192	22		15,014	22	3	14,837	22	3	14,659	23	3
	15,347	23	3	15,170	23		14,992	22	3	14,815	23	3	14,636	21	3
	15,324		3	15,147			14,970		3	14,792		3	14,615		3
	Plug to Plug	77	32	Plug to Plug	78	0	Plug to Plug	77	32	Plug to Plug	78	32	Plug to Plug	77	32
Frac Plug	15,491	Total Shots	Frac Plug	15,314	Total Shots	Frac Plug	15,136	Total Shots	Frac Plug	14,959	Total Shots	Frac Plug	14,781	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
	14,589	26	5	14,410	30	5	14,233	27	5	14,054	28	5	13,876	29	5
	14,570	22	5	14,393	22	5	14,213	21	5	14,038	22	5	13,858	20	5
	14,548	25	5	14,371	22	5	14,192	21	5	14,016	22	5	13,838	22	5
	14,523	19	4	14,349	23	4	14,171	22	4	13,994	23	4	13,816	21	4
	14,504	22	4	14,326	22	4	14,149	22	4	13,971	22	4	13,795	23	4
	14,482	22	3	14,304	22	3	14,127	22	3	13,949	22	3	13,772	23	3
	14,460	20	3	14,282	22	3	14,105	23	3	13,927	22	3	13,749	22	3
	14,440		3	14,260		3	14,082		3	13,905		3	13,727		3
	Plug to Plug	81	32	Plug to Plug	77	32	Plug to Plug	78	32	Plug to Plug	74	32	Plug to Plug	74	32
Frac Plug	14,604	Total Shots	Frac Plug	14,426	Total Shots	Frac Plug	14,249	Total Shots	Frac Plug	14,068	Total Shots	Frac Plug	13,890	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
	13,705	22	5	13,526	26	5	13,350	22	5	13,166	29	5	12,995	22	5
	13,683	22	5	13,504	21	5	13,328	20	5	13,150	22	5	12,973	22	5
	13,661	22	5	13,483	22	5	13,308	24	5	13,128	22	5	12,951	22	5
	13,639	23	4	13,461	22	4	13,284	24	4	13,108	22	4	12,928	22	4
	13,616	21	4	13,439	22	4	13,260	21	4	13,084	20	4	12,907	23	4
	13,595	23	3	13,417	22	3	13,239	22	3	13,064	24	3	12,884	22	3
	13,572	20	3	13,395	23	3	13,217	22	3	13,040	23	3	12,862	22	3
	13,552		3	13,372		3	13,195		3	13,017		3	12,840		3
	Plug to Plug	78	32	Plug to Plug	78	32	Plug to Plug	77	32	Plug to Plug	71	32	Plug to Plug	77	32
Frac Plug	13,717	Total Shots	Frac Plug	13,539	Total Shots	Frac Plug	13,361	Total Shots	Frac Plug	13,177	Total Shots	Frac Plug	13,006	Total Shots	