

	Distance Between Perfs			Shots			Distance Between Perfs			Shots			Distance Between Perfs			Shots			Distance Between Perfs			Shots		
From Bottom to Top	19,770	23	5	19,525	74	5	19,405	29	5	19,232	28	5	19,048	26	5									
	19,747	23	5	19,515	9	5	19,390	23	5	19,212	24	5	19,035	27	5									
	19,724	23	5	19,506	9	5	19,367	21	5	19,188	23	5	19,008	26	5									
	19,701	23	5	19,497	13	5	19,346	24	5	19,165	22	5	18,982	19	5									
	19,678	23	4	19,484	13	4	19,322		4	19,143	21	4	18,963	22	4									
	19,655	33	4	19,471	14	4	19,302	25	4	19,122	24	4	18,941	22	4									
	19,622	23	4	19,457	23	4	19,277	17	4	19,098	24	4	18,919	23	4									
	19,599		4	19,434		4	19,260		4	19,074		4	18,896		4									
	Plug to Plug	144	36	Plug to Plug	40	36	Plug to Plug	74	36	Plug to Plug	79	36	Plug to Plug	78	36									
	Frac Plug	19,845	Total Shots	Frac Plug	19,537	Total Shots	Frac Plug	19,420	Total Shots	Frac Plug	19,244	Total Shots	Frac Plug	19,060	Total Shots									

	Distance Between Perfs			Shots			Distance Between Perfs			Shots			Distance Between Perfs			Shots			Distance Between Perfs			Shots		
From Bottom to Top	18,870	26	5	18,694	23	5	18,515	23	5	18,331	27	5	18,143	36	5									
	18,851	22	5	18,672	22	5	18,493	21	5	18,313	18	5	18,128	16	5									
	18,829	22	5	18,650	23	5	18,472	24	5	18,295	26	5	18,112	23	5									
	18,807	67	5	18,627	22	5	18,448	22	5	18,269	26	5	18,089	22	5									
	18,874	112	4	18,605	23	4	18,426	23	4	18,243	19	4	18,067	23	4									
	18,762	23	4	18,582	22	4	18,403	20	4	18,224	23	4	18,044	22	4									
	18,739	22	4	18,560	22	4	18,383	25	4	18,201	22	4	18,022	22	4									
	18,717		4	18,538		4	18,358		4	18,179		4	18,000		4									
	Plug to Plug	75	36	Plug to Plug	79	36	Plug to Plug	78	36	Plug to Plug	78	36	Plug to Plug	65	36									
	Frac Plug	18,882	Total Shots	Frac Plug	18,706	Total Shots	Frac Plug	18,526	Total Shots	Frac Plug	18,347	Total Shots	Frac Plug	18,154	Total Shots									

	Distance Between Perfs			Shots			Distance Between Perfs			Shots			Distance Between Perfs			Shots			Distance Between Perfs			Shots		
From Bottom to Top	17,965	35	5	17,792	28	5	17,617	24	5	17,430	32	5	17,260	22	5									
	17,955	23	5	17,778	23	5	17,596	20	5	17,410	20	5	17,238	22	5									
	17,932	22	5	17,753	20	5	17,576	25	5	17,390	18	5	17,216	23	5									
	17,910	22	5	17,733	25	5	17,551	-2	5	17,372	22	5	17,193	19	5									
	17,888	23	4	17,708	22	4	17,553	47	4	17,350	23	4	17,174	26	4									
	17,865	22	4	17,686	23	4	17,506	22	4	17,327	22	4	17,148	27	4									
	17,843	23	4	17,663	22	4	17,484	22	4	17,305	23	4	17,121	18	4									
	17,820		4	17,641		4	17,462		4	17,282		4	17,103		4									
	Plug to Plug	65	36	Plug to Plug	72	36	Plug to Plug	79	36	Plug to Plug	78	36	Plug to Plug	78	36									
	Frac Plug	17,975	Total Shots	Frac Plug	17,805	Total Shots	Frac Plug	17,630	Total Shots	Frac Plug	17,450	Total Shots	Frac Plug	17,271	Total Shots									

	Distance Between Perfs			Shots			Distance Between Perfs			Shots			Distance Between Perfs			Shots			Distance Between Perfs			Shots		
From Bottom to Top	17,078	25	5	16,887	37	5	16,711	33	5	16,533	32	5	16,359	27	5									
	17,058	22	5	16,871	15	5	16,696	19	5	16,520	22	5	16,341	22	5									
	17,036	23	5	16,856	22	5	16,677	22	5	16,498	23	5	16,319	23	5									
	17,013	22	5	16,834	22	5	16,655	23	5	16,475	22	5	16,296	22	5									
	16,991	22	4	16,812	23	4	16,632	22	4	16,453	22	4	16,274	23	4									
	16,969	23	4	16,789	26	4	16,610	22	4	16,431	23	4	16,251	22	4									
	16,946	22	4	16,763	19	4	16,588	23	4	16,408	22	4	16,229	23	4									
	16,924		4	16,744		4	16,565		4	16,386		4	16,206		4									
	Plug to Plug	79	36	Plug to Plug	67	36	Plug to Plug	68	36	Plug to Plug	72	36	Plug to Plug	75	36									
	Frac Plug	17,092	Total Shots	Frac Plug	16,901	Total Shots	Frac Plug	16,723	Total Shots	Frac Plug	16,547	Total Shots	Frac Plug	16,371	Total Shots									

	Distance Between Perfs			Shots			Distance Between Perfs			Shots			Distance Between Perfs			Shots			Distance Between Perfs			Shots		
From Bottom to Top	16,180	26	5	16,002	27	5	15,822	24	5	15,646	23	5	15,467	22	5									
	16,162	23	5	15,984	24	5	15,803	22	5	15,624	23	5	15,444	22	5									
	16,139	21	5	15,960	20	5	15,781	23	5	15,601	22	5	15,422	22	5									
	16,118	24	5	15,940	25	5	15,758	22	5	15,579	23	5	15,400	23	5									
	16,094	19	4	15,915	18	4	15,736	23	4	15,556	22	4	15,377	22	4									
	16,075	25	4	15,897	27	4	15,713	22	4	15,534	22	4	15,355	23	4									
	16,050	21	4	15,870	24	4	15,691	22	4	15,512	23	4	15,332	22	4									
	16,029		4	15,846		4	15,669		4	15,489		4	15,310		4									
	Plug to Plug	74	36	Plug to Plug	74	36	Plug to Plug	76	36	Plug to Plug	78	36	Plug to Plug	48	36									
	Frac Plug	16,192	Total Shots	Frac Plug	16,014	Total Shots	Frac Plug	15,834	Total Shots	Frac Plug	15,657	Total Shots	Frac Plug	15,448	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
	15,288	22	5	15,108	23	5	14,923	28	5	14,746	26	5	14,555	38	5
	15,265	22	5	15,086	22	5	14,906	16	5	14,727	26	5	14,545	20	5
	15,243	23	5	15,064	23	5	14,880	28	5	14,701	19	5	14,525	22	5
	15,220	22	5	15,041	21	5	14,862	17	5	14,682	26	5	14,503	23	5
	15,198	23	4	15,020	24	4	14,845	28	4	14,666	18	4	14,480	22	4
	15,175	22	4	14,996	18	4	14,817	17	4	14,638	26	4	14,458	22	4
	15,153	22	4	14,978	27	4	14,800	28	4	14,612	19	4	14,436	23	4
	15,131		4	14,951		4	14,772		4	14,593		4	14,413		4
	Plug to Plug	79	36	Plug to Plug	78	36	Plug to Plug	78	36	Plug to Plug	79	36	Plug to Plug	62	36
Frac Plug	15,299	Total Shots	Frac Plug	15,119	Total Shots	Frac Plug	14,940	Total Shots	Frac Plug	14,761	Total Shots	Frac Plug	14,565	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
	14,377	36	5	14,200	34	5	14,022	33	5	13,845	30	5	13,670	27	5
	14,358	16	5	14,189	22	5	14,010	23	5	13,831	23	5	13,651	22	5
	14,342	18	5	14,167	23	5	13,987	22	5	13,808	22	5	13,629	19	5
	14,324	23	5	14,144	22	5	13,965	22	5	13,786	23	5	13,610	26	5
	14,301	22	4	14,122	22	4	13,943	23	4	13,763	22	4	13,584	18	4
	14,279	23	4	14,100	23	4	13,920	22	4	13,741	22	4	13,566	27	4
	14,256	22	4	14,077	22	4	13,898	23	4	13,719	22	4	13,539	15	4
	14,234		4	14,055		4	13,875		4	13,697		4	13,524		4
	Plug to Plug	64	36	Plug to Plug	66	36	Plug to Plug	67	36	Plug to Plug	72	36	Plug to Plug	71	36
	Frac Plug	14,388	Total Shots	Frac Plug	14,210	Total Shots	Frac Plug	14,032	Total Shots	Frac Plug	13,858	Total Shots	Frac Plug	13,681	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
	13,494	30	5	13,315	30	5	13,136	22	5	12,956	23	5	12,777	23	5
	13,469	19	5	13,292	22	5	13,113	22	5	12,934	22	5	12,755	23	5
	13,450	25	5	13,270	22	5	13,091	22	5	12,912	23	5	12,732	22	5
	13,425	20	5	13,248	23	5	13,069	23	5	12,889	22	5	12,710	23	5
	13,405	25	4	13,225	22	4	13,046	22	4	12,867	23	4	12,687	22	4
	13,380	20	4	13,203	22	4	13,024	23	4	12,844	22	4	12,665	22	4
	13,360	15	4	13,181	23	4	13,001	22	4	12,822	22	4	12,643	23	4
	13,345		4	13,158		4	12,979		4	12,800		4	12,620		4
	Plug to Plug	81	36	Plug to Plug	78	36	Plug to Plug	78	36	Plug to Plug	79	36	Plug to Plug	78	36
	Frac Plug	13,506	Total Shots	Frac Plug	13,326	Total Shots	Frac Plug	13,147	Total Shots	Frac Plug	12,968	Total Shots	Frac Plug	12,788	Total Shots