

From Bottom to Top		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots	
		19,505	23	5	19,292	55	5	19,127	39	5	18,958	35	5	18,760	45	5
		19,482	22	5	19,282	19	5	19,115	16	5	18,939	21	5	18,758	17	5
		19,460	23	4	19,263	19	4	19,099	23	4	18,918	22	4	18,741	26	4
		19,437	22	4	19,244	19	4	19,076	22	4	18,896	23	4	18,715	24	4
		19,415	23	3	19,225	22	3	19,054		3	18,873	23	3	18,691	20	3
		19,392	22	3	19,203	16	3	19,033	25	3	18,850	22	3	18,671	24	3
		19,370	23	3	19,187	21	3	19,008	15	3	18,828	23	3	18,647	22	3
		19,347		3	19,166		3	18,993		3	18,805		3	18,625		3
		Plug to Plug	83	30	Plug to Plug	51	30	Plug to Plug	61	30	Plug to Plug	72	30	Plug to Plug	53	30
	Frac Plug	19,520	Total Shots	Frac Plug	19,295	Total Shots	Frac Plug	19,137	Total Shots	Frac Plug	18,968	Total Shots	Frac Plug	18,768	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
	18,584	41	5	18,410	38	5	18,236	35	5	18,043	40	5	17,853	49	5
	18,567	13	5	18,395	15	5	18,218	22	5	18,032	17	5	17,840	16	5
	18,554	20	4	18,380	18	4	18,196	23	4	18,015	22	4	17,824	18	4
	18,534	22	4	18,362	31	4	18,173	22	4	17,993	23	4	17,806	16	4
	18,512	20	3	18,331	15	3	18,151	23	3	17,970	22	3	17,790	23	3
	18,492	25	3	18,316	30	3	18,128	22	3	17,948	23	3	17,767	22	3
	18,467	19	3	18,286	15	3	18,106	23	3	17,925	23	3	17,745	23	3
	18,448		3	18,271		3	18,083		3	17,902		3	17,722		3
	Plug to Plug	63	30	Plug to Plug	58	30	Plug to Plug	73	30	Plug to Plug	62	30	Plug to Plug	57	30
Frac Plug	18,597	Total Shots	Frac Plug	18,420	Total Shots	Frac Plug	18,246	Total Shots	Frac Plug	18,055	Total Shots	Frac Plug	17,863	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
	17,673	49	5	17,491	50	5	17,329	32	5	17,130	50	5	16,970	30	5
	17,663	20	5	17,478	10	5	17,316	23	5	17,115	15	5	16,954	22	5
	17,643	15	4	17,468	17	4	17,293	23	4	17,100	15	4	16,932	23	4
	17,628	19	4	17,451	23	4	17,270	22	4	17,085	15	4	16,909	22	4
	17,609	23	3	17,428	22	3	17,248	23	3	17,070	25	3	16,887	23	3
	17,586	22	3	17,406	23	3	17,225	22	3	17,045	18	3	16,864	22	3
	17,564	23	3	17,383	22	3	17,203	23	3	17,027	27	3	16,842	22	3
	17,541		3	17,361		3	17,180		3	17,000		3	16,820		3
	Plug to Plug	55	30	Plug to Plug	50	30	Plug to Plug	68	30	Plug to Plug	55	30	Plug to Plug	71	30
Frac Plug	17,683	Total Shots	Frac Plug	17,501	Total Shots	Frac Plug	17,338	Total Shots	Frac Plug	17,140	Total Shots	Frac Plug	16,980	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
	16,778	42	5	16,599	39	5	16,415	43	5	16,236	41	5	16,050	47	5
	16,766	18	5	16,590	19	5	16,398	14	5	16,219	10	5	16,034	14	5
	16,748	23	4	16,571	23	4	16,384	17	4	16,209	22	4	16,020	14	4
	16,725	19	4	16,548	23	4	16,367	23	4	16,187	23	4	16,006	22	4
	16,706	24	3	16,525	22	3	16,344	22	3	16,164	22	3	15,984	23	3
	16,682	21	3	16,503	21	3	16,322	22	3	16,142	23	3	15,961	22	3
	16,661	23	3	16,482	24	3	16,300	23	3	16,119	22	3	15,939	23	3
	16,638		3	16,458		3	16,277		3	16,097		3	15,916		3
	Plug to Plug	63	30	Plug to Plug	66	30	Plug to Plug	58	30	Plug to Plug	59	30	Plug to Plug	60	30
Frac Plug	16,788	Total Shots	Frac Plug	16,614	Total Shots	Frac Plug	16,425	Total Shots	Frac Plug	16,246	Total Shots	Frac Plug	16,066	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
	15,881	35	5	15,698	37	5	15,516	39	5	15,335	39	5	15,142	52	5
	15,871	21	5	15,688	20	5	15,500	14	5	15,320	13	5	15,132	27	5
	15,850	24	4	15,668	23	4	15,486	26	4	15,307	23	4	15,105	15	4
	15,826	28	4	15,645	22	4	15,460	18	4	15,284	23	4	15,090	15	4
	15,798	17	3	15,623	23	3	15,442	23	3	15,261	22	3	15,075	17	3
	15,781	26	3	15,600	23	3	15,419	22	3	15,239	23	3	15,058	22	3
	15,755	20	3	15,577	22	3	15,397	23	3	15,216	22	3	15,036	23	3
	15,735		3	15,555		3	15,374		3	15,194		3	15,013		3
	Plug to Plug	69	30	Plug to Plug	63	30	Plug to Plug	-3934	30	Plug to Plug	64	30	Plug to Plug	67	30
Frac Plug	15,895	Total Shots	Frac Plug	15,708	Total Shots	Frac Plug	15,526	Total Shots	Frac Plug	15,348	Total Shots	Frac Plug	15,157	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
	14,980	33	5	14,795	42	5	14,615	37	5	14,430	41	5	14,255	36	5
	14,970	16	5	14,785	20	5	14,600	16	5	14,415	15	5	14,237	17	5
	14,954	31	4	14,765	24	4	14,584	22	4	14,400	19	4	14,220	15	4
	14,923	23	4	14,741	21	4	14,562	29	4	14,381	22	4	14,205	27	4
	14,900	20	3	14,720	23	3	14,533	16	3	14,359	23	3	14,178	28	3
	14,880	25	3	14,697	22	3	14,517	27	3	14,336	23	3	14,152	19	3
	14,855	18	3	14,675	23	3	14,490	19	3	14,313	22	3	14,133	23	3
	14,837		3	14,652		3	14,471		3	14,291		3	14,110		3
	Plug to Plug	67	30	Plug to Plug	64	30	Plug to Plug	68	30	Plug to Plug	59	30	Plug to Plug	60	30
Frac Plug	14,990	Total Shots	Frac Plug	14,805	Total Shots	Frac Plug	14,630	Total Shots	Frac Plug	14,440	Total Shots	Frac Plug	14,265	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
	14,069	41	5	13,884	46	5	13,712	37	5	13,526	43	5	13,344	44	5
	14,056	16	5	13,868	11	5	13,700	21	5	13,516	14	5	13,334	20	5
	14,040	20	4	13,857	18	4	13,679	20	4	13,502	24	4	13,314	16	4
	14,020	23	4	13,839	25	4	13,659	24	4	13,478	20	4	13,298	18	4
	13,997	22	3	13,814	20	3	13,635	21	3	13,458	25	3	13,280	27	3
	13,975	23	3	13,794	22	3	13,614	18	3	13,433	18	3	13,253	28	3
	13,952	22	3	13,772	23	3	13,596	27	3	13,415	27	3	13,225	18	3
	13,930	3	3	13,749	3	3	13,569	3	3	13,388	3	3	13,207	3	3
	Plug to Plug	64	30	Plug to Plug	55	30	Plug to Plug	63	30	Plug to Plug	58	30	Plug to Plug	56	30
	Frac Plug	14,084	Total Shots	Frac Plug	13,894	Total Shots	Frac Plug	13,722	Total Shots	Frac Plug	13,536	Total Shots	Frac Plug	13,354	Total Shots

From Bottom to Top		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots	Stage 40	Distance Between Perfs	Shots
	13,164	43	5	12,995	32	5	12,817	29	5	12,628	39	5		12485	
	13,154	11	5	12,982	23	5	12,801	18	5	12,618	21	5			
	13,143	26	4	12,959	22	4	12,783	27	4	12,597	22	4			
	13,117	20	4	12,937	21	4	12,756	26	4	12,575	24	4			
	13,097	25	3	12,916	25	3	12,730	19	3	12,551	21	3			
	13,072	21	3	12,891	20	3	12,711	24	3	12,530	22	3			
	13,051	24	3	12,871	25	3	12,687	20	3	12,508	23	3			
	13,027	3	3	12,846	3	3	12,667	3	3	12,485	3	3			
	Plug to Plug	57	30	Plug to Plug	73	30	Plug to Plug	76	30	Plug to Plug	63	30	Plug to Plug	0	0
	Frac Plug	13,174	Total Shots	Frac Plug	13,010	Total Shots	Frac Plug	12,832	Total Shots	Frac Plug	12,638	Total Shots	Frac Plug		Total Shots