

From Bottom to Top		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots		Distance Between Perfs	Shots
	17,049	22	4	16,873	22	4	16,697	22	4	16,520	22	4	16,330	36	4
	17,027	22	4	16,851	22	4	16,675	22	4	16,498	22	4	16,322	22	4
	17,005	22	4	16,829	22	4	16,653	22	4	16,476	22	4	16,300	22	4
	16,983	22	4	16,807	22	4	16,631	22	4	16,454	22	4	16,278	22	4
	16,961	22	4	16,785	22	4	16,609		4	16,432	22	4	16,256	22	4
	16,939	22	4	16,763	22	4	16,586	22	4	16,410	22	4	16,234	22	4
	16,917	22	3	16,741	22	3	16,564	22	3	16,388	22	3	16,212	20	3
	16,895		3	16,719		3	16,542		3	16,366		3	16,192		3
	Plug to Plug	91	30	Plug to Plug	77	30	Plug to Plug	77	30	Plug to Plug	80	30	Plug to Plug	69	30
	Frac Plug	17,074	Total Shots	Frac Plug	16,884	Total Shots	Frac Plug	16,708	Total Shots	Frac Plug	16,534	Total Shots	Frac Plug	16,347	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
	16,157	35	4	15,977	37	4	15,790	48	4	15,615	46	4	15,451	37	4
	16,138	14	4	15,970	22	4	15,773	11	4	15,607	12	4	15,439	20	4
	16,124	25	4	15,948	22	4	15,762	12	4	15,595	22	4	15,419	22	4
	16,099	19	4	15,926	20	4	15,750	22	4	15,573	22	4	15,397	22	4
	16,080	22	4	15,908	24	4	15,728	22	4	15,551	22	4	15,375	22	4
	16,058	22	4	15,882	18	4	15,706	22	4	15,529	22	4	15,353	22	4
	16,036	22	3	15,864	26	3	15,684	23	3	15,507	19	3	15,331	22	3
	16,014		3	15,838		3	15,661		3	15,488		3	15,309		3
	Plug to Plug	73	30	Plug to Plug	68	30	Plug to Plug	58	30	Plug to Plug	68	30	Plug to Plug	71	30
	Frac Plug	16,172	Total Shots	Frac Plug	15,994	Total Shots	Frac Plug	15,808	Total Shots	Frac Plug	15,641	Total Shots	Frac Plug	15,468	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
	15,270	39	4	15,096	37	4	14,908	51	4	14,736	45	4	14,587	37	4
	15,256	13	4	15,080	13	4	14,898	16	4	14,717	12	4	14,546	10	4
	15,243	22	4	15,067	22	4	14,882	13	4	14,705	13	4	14,536	20	4
	15,221	22	4	15,045	22	4	14,869	24	4	14,692	22	4	14,516	22	4
	15,199	22	4	15,023	22	4	14,845	20	4	14,670	22	4	14,494	20	4
	15,177	22	4	15,001	21	4	14,825	22	4	14,648	22	4	14,474	24	4
	15,155	22	3	14,980	23	3	14,803	22	3	14,626	22	3	14,450	14	3
	15,133		3	14,957		3	14,781		3	14,604		3	14,436		3
	Plug to Plug	68	30	Plug to Plug	68	30	Plug to Plug	56	30	Plug to Plug	62	30	Plug to Plug	68	30
	Frac Plug	15,289	Total Shots	Frac Plug	15,113	Total Shots	Frac Plug	14,925	Total Shots	Frac Plug	14,754	Total Shots	Frac Plug	14,584	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
	14,398	38	4	14,212	40	4	14,038	38	4	13,851	49	4	13,680	43	4
	14,382	20	4	14,200	14	4	14,024	14	4	13,840	12	4	13,672	15	4
	14,362	22	4	14,186	22	4	14,010	22	4	13,828	17	4	13,657	22	4
	14,340	22	4	14,164	22	4	13,988	20	4	13,811	23	4	13,635	22	4
	14,318	22	4	14,142	22	4	13,968	24	4	13,788	21	4	13,613	22	4
	14,296	22	4	14,120	22	4	13,944	18	4	13,767	22	4	13,591	22	4
	14,274	22	3	14,098	22	3	13,926	26	3	13,745	22	3	13,569	21	3
	14,252		3	14,076		3	13,900		3	13,723		3	13,548		3
	Plug to Plug	76	30	Plug to Plug	68	30	Plug to Plug	68	30	Plug to Plug	58	30	Plug to Plug	62	30
	Frac Plug	14,416	Total Shots	Frac Plug	14,232	Total Shots	Frac Plug	14,056	Total Shots	Frac Plug	13,869	Total Shots	Frac Plug	13,697	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
	13,510	38	4	13,327	42	4	13,158	37	4	12,976	43	4	12,805	37	4
	13,496	15	4	13,316	11	4	13,150	21	4	12,964	14	4	12,786	12	4
	13,481	17	4	13,305	22	4	13,129	22	4	12,950	19	4	12,774	20	4
	13,464	27	4	13,283	22	4	13,107	22	4	12,931	23	4	12,754	22	4
	13,437	27	4	13,261	22	4	13,085	22	4	12,908	22	4	12,732	22	4
	13,410	17	4	13,239	22	4	13,063	19	4	12,886	22	4	12,710	22	4
	13,393	24	3	13,217	22	3	13,044	25	3	12,864	22	3	12,688	17	3
	13,369		3	13,195		3	13,019		3	12,842		3	12,671		3
	Plug to Plug	64	30	Plug to Plug	39	30	Plug to Plug	68	30	Plug to Plug	62	30	Plug to Plug	68	30
	Frac Plug	13,528	Total Shots	Frac Plug	13,322	Total Shots	Frac Plug	13,175	Total Shots	Frac Plug	12,993	Total Shots	Frac Plug	12,822	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
	12,633	38	4	12,453	37	4	12,275	39	4	12,103	37	4	11,924	37	4
	12,619	19	4	12,436	12	4	12,260	12	4	12,089	17	4	11,912	16	4
	12,600	22	4	12,424	22	4	12,248	22	4	12,072	25	4	11,896	23	4
	12,578	22	4	12,402	22	4	12,226	22	4	12,047	19	4	11,873	27	4
	12,556	22	4	12,380	22	4	12,204	22	4	12,028	23	4	11,846	17	4
	12,534	22	4	12,358	18	4	12,182	22	4	12,005	22	4	11,829	26	4
	12,512	22	3	12,340	26	3	12,160	20	3	11,983	22	3	11,803	18	3
	12,490		3	12,314		3	12,140		3	11,961		3	11,785		3
	Plug to Plug	72	30	Plug to Plug	68	30	Plug to Plug	66	30	Plug to Plug	73	30	Plug to Plug	68	30
	Frac Plug	12,650	Total Shots	Frac Plug	12,470	Total Shots	Frac Plug	12,292	Total Shots	Frac Plug	12,120	Total Shots	Frac Plug	11,941	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
	11,745	40	4	11,572	37	4	11,390	43	4	11,208	49	4	11,043	37	4
	11,731	12	4	11,555	12	4	11,380	13	4	11,196	16	4	11,024	14	4
	11,719	22	4	11,543	19	4	11,367	22	4	11,180	15	4	11,010	18	4
	11,697	22	4	11,524	25	4	11,345	22	4	11,165	20	4	10,992	22	4
	11,675	22	4	11,499	26	4	11,323	22	4	11,145	20	4	10,970	22	4
	11,653	22	4	11,473	18	4	11,301	22	4	11,125	22	4	10,948	22	4
	11,631	22	3	11,455	22	3	11,279	22	3	11,103	23	3	10,926	22	3
	11,609		3	11,433		3	11,257		3	11,080		3	10,904		3
	Plug to Plug	65	30	Plug to Plug	65	30	Plug to Plug	68	30	Plug to Plug	60	30	Plug to Plug	68	30
	Frac Plug	11,762	Total Shots	Frac Plug	11,589	Total Shots	Frac Plug	11,413	Total Shots	Frac Plug	11,225	Total Shots	Frac Plug	11,060	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
	10,867	37	4	10,688	40	4	10,498	54	4	10,342	37	4	10,163	37	4
	10,850	12	4	10,675	13	4	10,490	8	4	10,328	18	4	10,145	12	4
	10,838	18	4	10,662	22	4	10,482	18	4	10,310	22	4	10,133	22	4
	10,820	26	4	10,640	22	4	10,464	22	4	10,288	22	4	10,111	22	4
	10,794	24	4	10,618	22	4	10,442	22	4	10,266	22	4	10,089	22	4
	10,770	20	4	10,596	22	4	10,420	22	4	10,244	22	4	10,067	18	4
	10,750	22	3	10,574	22	3	10,398	19	3	10,222	22	3	10,049	26	3
	10,728		3	10,552		3	10,379		3	10,200		3	10,023		3
	Plug to Plug	64	30	Plug to Plug	68	30	Plug to Plug	54	30	Plug to Plug	71	30	Plug to Plug	69	30
	Frac Plug	10,884	Total Shots	Frac Plug	10,708	Total Shots	Frac Plug	10,518	Total Shots	Frac Plug	10,359	Total Shots	Frac Plug	10,180	Total Shots

From Bottom to Top		Distance Between Perfs	Shots		Distance Between Perfs	Shots	Stage 43	Distance Between Perfs	Shots	Stage 44	Distance Between Perfs	Shots	Stage 45	Distance Between Perfs	Shots
	9,976	47	4		9847			0			0			0	
	9,967	12	4												
	9,955	20	4												
	9,935	22	4												
	9,913	22	4												
	9,891	22	4												
	9,869	22	3												
	9,847		3												
	Plug to Plug	58	30	Plug to Plug	9120	0	Plug to Plug	0	0	Plug to Plug	0	0	Plug to Plug	0	0
	Frac Plug	9,993	Total Shots	Frac Plug	9,120	Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots