

## Casing Performance Ratings - Imperial



Size O.D.	Nominal Weight T&C	Grade	Collapse Resistance	Internal Yield Pressure at Minimum Yield, (psi)				Joint Strength 1,000 (lbs)			Body Yield 1000 lbs	Wall (in.)	I.D. (in.)	Drift Diameter (in)	
				(psi)	PE	STC	LTC	BTC	STC	LTC				BTC	API
(in.)	lbs/ft														
4.500	9.50	J-55	3,310	4,380	4,380			101			152	0.205	4.090	3.965	
4.500	9.50	K-55	3,310	4,380	4,380			112			152	0.205	4.090	3.965	
4.500	10.50	J-55	4,010	4,790	4,790		4,790	132		203	166	0.224	4.052	3.927	
4.500	10.50	K-55	4,010	4,790	4,790		4,790	146		249	166	0.224	4.052	3.927	
4.500	11.60	J-55	4,960	5,350	5,350	5,350	5,350	154	162	225	184	0.250	4.000	3.875	
4.500	11.60	K-55	4,960	5,350	5,350	5,350	5,350	170	180	277	184	0.250	4.000	3.875	
4.500	11.60	L-80	6,350	7,780		7,780	7,780		212	291	267	0.250	4.000	3.875	
4.500	11.60	N-80	6,350	7,780		7,780	7,780		223	304	267	0.250	4.000	3.875	
4.500	11.60	E-80*	6,350	7,780		7,780	7,780		201	278	267	0.250	4.000	3.875	
4.500	11.60	P-110	7,580	10,690		10,690	10,690		279	385	367	0.250	4.000	3.875	
4.500	13.50	L-80	8,540	9,020		9,020	9,020		257	334	307	0.290	3.920	3.795	
4.500	13.50	N-80	8,540	9,020		9,020	9,020		270	349	307	0.290	3.920	3.795	
4.500	13.50	P-110	10,680	12,410		12,410	12,410		338	443	422	0.290	3.920	3.795	
4.500	15.10	L-80	11,090	10,480		10,480	10,480		308	384	353	0.337	3.826	3.701	
4.500	15.10	P-110	14,350	14,420		14,420	13,460		406	509	485	0.337	3.826	3.701	
5.000	11.50	J-55	3,060	4,240	4,240			133			182	0.220	4.560	4.435	
5.000	11.50	K-55	3,060	4,240	4,240			147			182	0.220	4.560	4.435	
5.000	13.00	J-55	4,140	4,870	4,870	4,870	4,870	169	182	252	208	0.253	4.494	4.369	
5.000	13.00	K-55	4,140	4,870	4,870	4,870	4,870	186	201	309	208	0.253	4.494	4.369	
5.000	15.00	J-55	5,560	5,700	5,700	5,700	5,700	207	223	293	241	0.296	4.408	4.283	
5.000	15.00	K-55	5,560	5,700	5,700	5,700	5,700	228	246	359	241	0.296	4.408	4.283	
5.000	15.00	L-80	7,250	8,290		8,290	8,290		295	379	350	0.296	4.408	4.283	
5.000	15.00	N-80	7,250	8,290		8,290	8,290		311	396	350	0.296	4.408	4.283	
5.000	15.00	P-110	8,850	11,400		11,400	11,400		388	503	481	0.296	4.408	4.283	
5.000	18.00	L-80	10,500	10,140		10,140	9,910		377	457	422	0.362	4.276	4.151	
5.000	18.00	N-80	10,500	10,140		10,140	9,910		396	477	422	0.362	4.276	4.151	
5.000	18.00	P-110	13,470	13,940		13,940	13,620		495	606	580	0.362	4.276	4.151	
5.000	21.40	L-80	12,760	12,240		10,810	9,910		466	510	501	0.437	4.126	4.001	
5.000	21.40	N-80	12,760	12,240		10,810	9,910		490	537	501	0.437	4.126	4.001	
5.000	21.40	P-110	17,550	16,820		14,870	13,620		613	671	689	0.437	4.126	4.001	
5.000	23.20	L-80	13,830	13,380		10,810	9,910		513	510	543	0.478	4.044	3.919	
5.000	23.20	N-80	13,830	13,380		10,810	9,910		540	537	543	0.478	4.044	3.919	
5.000	23.20	P-110	19,020	18,400		14,780	13,626		675	671	747	0.478	4.044	3.919	
5.000	24.10	L-80	14,400	14,000		10,810	9,910		538	510	566	0.500	4.000	3.875	
5.000	24.10	N-80	14,400	14,000		10,810	9,910		558	537	566	0.500	4.000	3.875	
5.000	24.10	P-110	19,800	19,250		14,870	13,620		708	671	778	0.500	4.000	3.875	
5.500	14.00	J-55	3,120	4,270	4,270			172			222	0.244	5.012	4.887	
5.500	14.00	K-55	3,120	4,270	4,270			189			222	0.244	5.012	4.887	
5.500	15.50	J-55	4,040	4,810	4,810	4,810	4,810	202	217	300	248	0.275	4.950	4.825	
5.500	15.50	K-55	4,040	4,810	4,810	4,810	4,810	222	239	366	248	0.275	4.950	4.825	
5.500	15.50	E-80*	4,990	7,000	7,000	7,000	7,000	274	282	373	361	0.275	4.950	4.825	
5.500	17.00	J-55	4,910	5,320	5,320	5,320	5,320	229	247	329	273	0.304	4.892	4.767	
5.500	17.00	K-55	4,910	5,320	5,320	5,320	5,320	252	272	402	273	0.304	4.892	4.767	
5.500	17.00	L-80	6,290	7,740		7,740	7,740		338	428	397	0.304	4.892	4.767	
5.500	17.00	N-80	6,290	7,740		7,740	7,740		348	446	397	0.304	4.892	4.767	

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				(psi)	PE	STC	LTC	BTC	STC	LTC				BTC	API
(in.)	lbs/ft		(psi)	PE	STC	LTC	BTC	STC	LTC	BTC	1000 lbs	(in.)	(in.)	API	SD
5.500	17.00	E-80*	6,290	7,740	7,740	7,740	7,740	312	320	410	397	0.304	4.892	4.767	
5.500	17.00	P-110	7,480	10,640		10,640	10,640		445	568	546	0.304	4.892	4.767	
5.500	20.00	L-80	8,830	9,190		9,190	8,990		416	503	466	0.361	4.778	4.653	
5.500	20.00	N-80	8,830	9,190		9,190	8,990		428	524	466	0.361	4.778	4.653	
5.500	20.00	P-110	11,100	12,630		12,630	12,360		548	667	641	0.361	4.778	4.653	
5.500	23.00	L-80	11,160	10,560		9,880	8,990		489	550	530	0.415	4.670	4.545	
5.500	23.00	N-80	11,160	10,560		9,880	8,990		502	579	530	0.415	4.670	4.545	
5.500	23.00	P-110	14,540	14,530		13,580	12,360		643	724	729	0.415	4.670	4.545	
5.500	26.00	P-110	17,400	16,660		13,580	12,360		748	724	826	0.476	4.548	4.423	
5.625	26.70	L-80	12,420	11,870		9,880	8,990		488	550	617	0.477	4.671		4.544
5.625	26.70	P-110	17,080	16,320		13,580	12,360		642	724	849	0.477	4.671		4.544
6.625	20.00	H-40	2,520	3,040	3,040			184			229	0.288	6.049	5.924	
6.625	20.00	J-55	2,970	4,180	4,180	4,180	4,180	245	266	374	315	0.288	6.049	5.924	
6.625	20.00	K-55	2,970	4,180	4,180	4,180	4,180	267	290	453	315	0.288	6.049	5.924	
6.625	24.00	J-55	4,560	5,110	5,110	5,110	5,110	314	340	453	382	0.352	5.921	5.796	
6.625	24.00	K-55	4,560	5,110	5,110	5,110	5,110	342	372	548	382	0.352	5.921	5.796	
6.625	24.00	L-80	5,760	7,440		7,440	7,440		473	592	555	0.352	5.921	5.796	
6.625	24.00	N-80	5,760	7,440		7,440	7,440		481	615	555	0.352	5.921	5.796	
6.625	24.00	P-110	6,730	10,230		10,230	10,230		641	786	763	0.352	5.921	5.796	
6.625	28.00	L-80	8,170	8,810		8,810	8,810		576	693	651	0.417	5.791	5.666	
6.625	28.00	N-80	8,170	8,810		8,810	8,810		586	721	651	0.417	5.791	5.666	
6.625	28.00	P-110	10,160	12,120		12,120	12,120		781	922	895	0.417	5.791	5.666	
6.625	32.00	L-80	10,320	10,040		10,040	9,820		666	783	734	0.475	5.675	5.55	
6.625	32.00	N-80	10,320	10,040		10,040	9,820		677	814	734	0.475	5.675	5.55	
6.625	32.00	P-110	13,220	13,800		13,800	13,500		904	1,040	1,009	0.475	5.675	5.55	
7.000	17.00	H-40	1,420	2,310	2,310			141			196	0.231	6.538	6.413	
7.000	17.00	J-55	1,630	3,180	3,180	3,180	3,180	187	206	319	270	0.231	6.538	6.413	
7.000	20.00	H-40	1,970	2,720	2,720			176			230	0.272	6.456	6.331	
7.000	20.00	J-55	2,270	3,740	3,740	3,740	3,740	234	257	373	316	0.272	6.456	6.331	
7.000	20.00	K-55	2,270	3,740	3,740	3,740	3,740	254	281	451	316	0.272	6.456	6.331	
7.000	23.00	J-55	3,270	4,360	4,360	4,360	4,360	284	313	432	366	0.317	6.366	6.241	6.250
7.000	23.00	K-55	3,270	4,360	4,360	4,360	4,360	309	341	522	366	0.317	6.366	6.241	6.250
7.000	23.00	L-80	3,830	6,340		6,340	6,340		435	565	532	0.317	6.366	6.241	6.250
7.000	23.00	N-80	3,830	6,340		6,340	6,340		442	588	532	0.317	6.366	6.241	6.250
7.000	23.00	E-80*	3,830	6,340	6,340	6,340	6,340	389	428	543	532	0.317	6.366	6.241	6.250
7.000	26.00	J-55	4,320	4,980	4,980	4,980	4,980	334	367	490	415	0.362	6.276	6.151	
7.000	26.00	K-55	4,320	4,980	4,980	4,980	4,980	364	401	592	415	0.362	6.276	6.151	
7.000	26.00	L-80	5,410	7,240		7,240	7,240		511	641	604	0.362	6.276	6.151	
7.000	26.00	N-80	5,410	7,240		7,240	7,240		519	667	604	0.362	6.276	6.151	
7.000	26.00	E-80*	5,410	7,240	7,240	7,240	7,240	458	502	616	604	0.362	6.276	6.151	
7.000	26.00	P-110	6,230	9,950		9,950	9,950		693	853	830	0.362	6.276	6.151	
7.000	29.00	L-80	7,020	8,160		8,160	8,160		587	718	676	0.408	6.184	6.059	6.125
7.000	29.00	N-80	7,020	8,160		8,160	8,160		597	746	676	0.408	6.184	6.059	6.125
7.000	29.00	P-110	8,530	11,220		11,220	11,220		797	955	929	0.408	6.184	6.059	6.125

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				(psi)	PE	STC	LTC	BTC	STC	LTC				BTC	API
(in.)	lbs/ft														
7.000	32.00	L-80	8,610	9,060		9,060	8,460		661	791	745	0.453	6.094	5.969	6.000
7.000	32.00	N-80	8,610	9,060		9,060	8,460		672	823	745	0.453	6.094	5.969	6.000
7.000	32.00	P-110	10,780	12,460		12,460	11,640		897	1,053	1,025	0.453	6.094	5.969	6.000
7.000	35.00	L-80	10,180	9,960		9,240	8,460		734	833	814	0.498	6.004	5.879	
7.000	35.00	N-80	10,180	9,960		9,240	8,460		746	876	814	0.498	6.004	5.879	
7.000	35.00	P-110	13,020	13,700		12,700	11,640		996	1,096	1,119	0.498	6.004	5.879	
7.000	38.00	L-80	11,390	10,800		9,240	8,460		801	832	877	0.54	5.92	5.795	5.875
7.000	38.00	N-80	11,390	10,800		9,240	8,460		814	876	877	0.54	5.92	5.795	5.875
7.000	38.00	P-110	15,140	14,850		12,700	11,640		1,087	1,096	1,205	0.54	5.92	5.795	5.875
7.000	41.00	P-110	16,990	16,230		12,700	11,640		1,111	1,096	1,307	0.59	5.82	5.695	
7.625	24.00	H-40	2,030	2,750	2,750			212			276	0.3	7.025	6.900	
7.625	26.40	J-55	2,890	4,140	4,140	4,140	4,140	315	346	483	414	0.328	6.969	6.844	
7.625	26.40	K-55	2,890	4,140	4,140	4,140	4,140	342	377	581	414	0.328	6.969	6.844	
7.625	26.40	L-80	3,400	6,020		6,020	6,020		482	635	602	0.328	6.969	6.844	
7.625	26.40	N-80	3,400	6,020		6,020	6,020		490	659	602	0.328	6.969	6.844	
7.625	26.40	P-110	3,920	8,280		8,280	8,280		654	845	827	0.328	6.969	6.844	
7.625	29.70	L-80	4,790	6,890		6,890	6,890		566	721	683	0.375	6.875	6.750	
7.625	29.70	N-80	4,790	6,890		6,890	6,890		575	749	683	0.375	6.875	6.750	
7.625	29.70	P-110	5,350	9,470		9,470	9,470		769	960	940	0.375	6.875	6.750	
7.625	33.70	L-80	6,560	7,900		7,900	7,900		664	820	778	0.430	6.765	6.640	
7.625	33.70	N-80	6,560	7,900		7,900	7,900		674	852	778	0.430	6.765	6.640	
7.625	33.70	P-110	7,870	10,860		10,860	10,860		901	1,093	1,069	0.430	6.765	6.640	
7.625	39.00	L-80	8,820	9,180		9,180	9,180		786	945	895	0.500	6.625	6.500	
7.625	39.00	N-80	8,820	9,180		9,180	9,180		798	981	895	0.500	6.625	6.500	
7.625	39.00	P-110	11,080	12,620		12,620	12,620		1,066	1,258	1,231	0.500	6.625	6.500	
7.625	42.80	L-80	10,810	10,320		10,320	9,790		891	1,053	998	0.562	6.501	6.376	
7.625	42.80	N-80	10,810	10,320		10,320	9,790		905	1,093	998	0.562	6.501	6.376	
7.625	42.80	P-110	13,920	14,190		14,190	13,460		1,210	1,402	1,372	0.562	6.501	6.376	
7.625	45.30	L-80	11,510	10,920		10,490	9,790		947	1,109	1,051	0.595	6.435	6.310	6.375
7.625	45.30	N-80	11,510	10,920		10,490	9,790		962	1,152	1,051	0.595	6.435	6.310	6.375
7.625	45.30	P-110	15,430	15,020		14,430	13,460		1,285	1,477	1,446	0.595	6.435	6.310	6.375
7.625	47.10	L-80	12,040	11,480		10,490	9,790		997	1,160	1,100	0.625	6.375	6.250	
7.625	47.10	N-80	12,040	11,480		10,490	9,790		1,013	1,205	1,100	0.625	6.375	6.250	
7.625	47.10	P-110	16,550	15,780		14,430	13,460		1,353	1,545	1,512	0.625	6.375	6.250	
7.750	46.10	L-80	11,340	10,750		10,490	9,790		841	1,001	1,070	0.595	6.56	6.435	6.500
7.750	46.10	P-110	14,990	14,780		14,430	13,460		1,142	1,334	1,471	0.595	6.56	6.435	6.500
8.625	24.00	J-55	1,370	2,950	2,950			244			381	0.264	8.097	7.972	
8.625	24.00	K-55	1,370	2,950	2,950			263			381	0.264	8.097	7.972	
8.625	28.00	H-40	1,610	2,470	2,470			233			318	0.304	8.017	7.892	
8.625	32.00	H-40	2,200	2,860	2,860			279			366	0.352	7.921	7.796	7.875
8.625	32.00	J-55	2,530	3,930	3,930	3,930	3,930	372	417	579	503	0.352	7.921	7.796	7.875
8.625	32.00	K-55	2,530	3,930	3,930	3,930	3,930	402	452	690	503	0.352	7.921	7.796	7.875

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				(psi)	PE	STC	LTC	BTC	STC	LTC				BTC	API
(in.)	lbs/ft		(psi)	PE	STC	LTC	BTC	STC	LTC	BTC	1000 lbs	(in.)	(in.)	API	SD
8.625	36.00	J-55	3,450	4,460	4,460	4,460	4,460	434	486	654	568	0.400	7.825	7.700	
8.625	36.00	K-55	3,450	4,460	4,460	4,460	4,460	468	526	780	568	0.400	7.825	7.700	
8.625	36.00	L-80	4,100	6,490		6,490	6,490		678	864	827	0.400	7.825	7.700	
8.625	36.00	N-80	4,100	6,490		6,490	6,490		688	895	827	0.400	7.825	7.700	
8.625	40.00	L-80	5,520	7,300		7,300	7,300		776	966	925	0.45	7.725	7.600	7.625
8.625	40.00	N-80	5,520	7,300		7,300	7,300		788	1,001	925	0.45	7.725	7.600	7.625
8.625	40.00	P-110	6,390	10,040		10,040	10,040		1,055	1,228	1,271	0.45	7.725	7.600	7.625
8.625	44.00	L-80	6,950	8,120		8,120	8,120		874	1,066	1,021	0.5	7.625	7.500	
8.625	44.00	N-80	6,950	8,120		8,120	8,120		887	1,105	1,021	0.5	7.625	7.500	
8.625	44.00	P-110	8,420	11,160		11,160	11,160		1,186	1,423	1,404	0.5	7.625	7.500	
8.625	49.00	L-80	8,580	9,040		9,040	9,040		983	1,180	1,129	0.557	7.511	7.386	
8.625	49.00	N-80	8,580	9,040		9,040	9,040		997	1,222	1,129	0.557	7.511	7.386	
8.625	49.00	P-110	10,740	12,430		12,430	12,430		1,335	1,574	1,553	0.557	7.511	7.386	
9.625	32.30	H-40	1,370	2,270	2,270			254			365	0.312	9.001	8.845	
9.625	32.30	J-55	1,570	3,120	3,120	3,120	3,120	339	390	569	502	0.312	9.001	8.845	
9.625	36.00	H-40	1,720	2,560	2,560			294			410	0.352	8.921	8.765	
9.625	36.00	J-55	2,020	3,520	3,520	3,520	3,520	394	453	639	564	0.352	8.921	8.765	
9.625	36.00	K-55	2,020	3,520	3,520	3,520	3,520	423	489	755	564	0.352	8.921	8.765	
9.625	40.00	J-55	2,570	3,950	3,950	3,950	3,950	452	520	714	630	0.395	8.835	8.679	8.750
9.625	40.00	K-55	2,570	3,950	3,950	3,950	3,950	486	561	843	630	0.395	8.835	8.679	8.750
9.625	40.00	L-80	3,090	5,750		5,750	5,750		727	947	916	0.395	8.835	8.679	8.750
9.625	40.00	N-80	3,090	5,750		5,750	5,750		737	979	916	0.395	8.835	8.679	8.750
9.625	43.50	L-80	3,810	6,330		6,330	6,330		813	1,038	1,005	0.435	8.755	8.599	8.625
9.625	43.50	N-80	3,810	6,330		6,330	6,330		825	1,074	1,005	0.435	8.755	8.599	8.625
9.625	43.50	P-110	4,420	8,700		8,700	8,700		1,106	1,388	1,381	0.435	8.755	8.599	8.625
9.625	47.00	L-80	4,760	6,870		6,870	6,870		893	1,122	1,086	0.472	8.681	8.525	8.625
9.625	47.00	N-80	4,760	6,870		6,870	6,870		905	1,161	1,086	0.472	8.681	8.525	8.625
9.625	47.00	P-110	5,300	9,440		9,440	9,440		1,213	1,500	1,493	0.472	8.681	8.525	8.625
9.625	53.50	L-80	6,620	7,930		7,930	7,930		1,047	1,286	1,244	0.545	8.535	8.379	8.500
9.625	53.50	N-80	6,620	7,930		7,930	7,930		1,062	1,329	1,244	0.545	8.535	8.379	8.500
9.625	53.50	P-110	7,950	10,900		10,900	10,900		1,422	1,718	1,710	0.545	8.535	8.379	8.500
9.625	58.40	L-80	7,890	8,650		8,650	8,650		1,151	1,396	1,350	0.595	8.435	8.279	8.375
9.625	58.40	N-80	7,890	8,650		8,650	8,650		1,167	1,443	1,350	0.595	8.435	8.279	8.375
9.625	58.40	P-110	9,760	11,900		11,900	11,900		1,564	1,865	1,857	0.595	8.435	8.279	8.375
9.750	59.20	P-110	9,490	11,750		11,750	11,750		1,387	1,681	1,882	0.595	8.56		8.500
9.875	62.80	P-110	10,280	12,180		12,180	12,140		1,294	1,584	1,998	0.625	8.625		8.500
10.750	32.75	H-40	840	1,820	1,820			205			367	0.279	10.192	10.036	
10.750	40.50	H-40	1,390	2,280	2,280			314			457	0.35	10.05	9.894	
10.750	40.50	J-55	1,580	3,130	3,130		3,130	420		700	629	0.35	10.05	9.894	
10.750	40.50	K-55	1,580	3,130	3,130		3,130	450		819	629	0.35	10.05	9.894	
10.750	40.50	N-80	1,730	4,560	4,560		4,560	597		964	915	0.35	10.05	9.894	
10.750	45.50	J-55	2,090	3,580	3,580		3,580	493		796	715	0.4	9.95	9.794	9.875
10.750	45.50	K-55	2,090	3,580	3,580		3,580	528		931	715	0.4	9.95	9.794	9.875
10.750	45.50	N-80	2,470	5,210	5,210		5,210	701		1,097	1,040	0.4	9.95	9.794	9.875

## Casing Performance Ratings - Imperial



Size O.D.	Nominal Weight	Grade	Collapse Resistance	Internal Yield Pressure at Minimum Yield, (psi)				Joint Strength 1,000 (lbs)			Body Yield 1000 lbs	Wall (in.)	I.D. (in.)	Drift Diameter (in)	
	T&C			PE	STC	LTC	BTC	STC	LTC	BTC				API	SD
(in.)	lbs/ft		(psi)												
10.750	51.00	J-55	2,700	4,030	4,030		4,030	565	891	801	0.45	9.85	9.694		
10.750	51.00	K-55	2,700	4,030	4,030		4,030	606	1,043	801	0.45	9.85	9.694		
10.750	51.00	L-80	3,220	5,860	5,860		5,860	794	1,190	1,165	0.45	9.85	9.694		
10.750	51.00	N-80	3,220	5,860	5,860		5,860	804	1,228	1,165	0.45	9.85	9.694		
10.750	51.00	P-110	3,660	8,060	8,060		8,060	1,080	1,594	1,602	0.45	9.85	9.694		
10.750	55.50	L-80	4,020	6,450	6,450		6,450	884	1,303	1,276	0.495	9.76	9.604	9.625	
10.750	55.50	N-80	4,020	6,450	6,450		6,450	895	1,345	1,276	0.495	9.76	9.604	9.625	
10.750	55.50	P-110	4,610	8,860	8,860		8,860	1,203	1,745	1,754	0.495	9.76	9.604	9.625	
10.750	60.70	L-80	5,160	7,100	7,100		7,100	983	1,428	1,398	0.545	9.66	9.504		
10.750	60.70	N-80	5,160	7,100	7,100		7,100	996	1,473	1,398	0.545	9.66	9.504		
10.750	60.70	N-80	5,160	7,100	7,100		7,100	996	1,473	1,398	0.545	9.66	9.504		
10.750	60.70	P-110	5,880	9,760	9,760		9,760	1,338	1,912	1,922	0.545	9.66	9.504		
10.750	65.70	L-80	6,300	7,750	7,750		7,750	1,082	1,551	1,519	0.595	9.56	9.404	9.504	
10.750	65.70	N-80	6,300	7,750	7,750		7,750	1,096	1,600	1,519	0.595	9.56	9.404	9.504	
10.750	65.70	P-110	7,500	10,650	10,650		10,650	1,472	2,077	2,088	0.595	9.56	9.404	9.504	
10.750	71.10	P-110	9,300	11,640	11,240		10,980	1,618	2,257	2,269	0.65	9.45	9.294		
11.750	42.00	H-40	1,040	1,980	1,980		1,980	307	554	478	0.333	11.084	10.928	11.000	
11.750	42.00	J-55	1,120	2,730	2,730		2,730	412	719	657	0.333	11.084	10.897	11.000	
11.750	47.00	J-55	1,510	3,070	3,070		3,070	477	807	737	0.375	11.000	10.844		
11.750	47.00	K-55	1,510	3,070	3,070		3,070	509	935	737	0.375	11.000	10.844		
11.750	54.00	J-55	2,070	3,560	3,560		3,560	568	931	850	0.435	10.88	10.724		
11.750	54.00	K-55	2,070	3,560	3,560		3,560	606	1,079	850	0.435	10.88	10.724		
11.750	60.00	J-55	2,660	4,010	4,010		4,010	649	1,042	952	0.489	10.772	10.616	10.625	
11.750	60.00	K-55	2,660	4,010	4,010		4,010	693	1,208	952	0.489	10.772	10.616	10.625	
11.750	60.00	L-80	3,180	5,830	5,830		5,830	913	1,399	1,384	0.489	10.772	10.616	10.625	
11.750	60.00	N-80	3,180	5,830	5,830		5,830	924	1,440	1,384	0.489	10.772	10.616	10.625	
11.750	60.00	P-110	3,610	8,010	8,010		8,010	1,242	1,877	1,903	0.489	10.772	10.616	10.625	
11.750	65.00	L-80	3,870	6,360	6,360		6,360	1,007	1,521	1,505	0.534	10.682	10.526	10.625	
11.750	65.00	N-80	3,870	6,360	6,360		6,360	1,019	1,566	1,505	0.534	10.682	10.625	10.625	
11.750	65.00	P-110	4,480	8,750	8,750		8,750	1,371	2,041	2,070	0.534	10.682	10.526	10.625	
11.750	71.00	P-110	5,470	9,530	9,530		9,530	1,506	2,215	2,246	0.582	10.586	10.43		
11.875	71.80	P-110	5,290	9,430	9,430		9,430	1,329	1,988	2,271	0.582	10.711		10.625	
13.375	48.00	H-40	740	1,730	1,730		1,730	322	607	541	0.33	12.715	12.559		
13.375	54.50	J-55	1,130	2,730	2,730		2,730	514	909	853	0.38	12.615	12.459		
13.375	54.50	K-55	1,130	2,730	2,730		2,730	547	1,038	853	0.38	12.615	12.459		
13.375	61.00	J-55	1,540	3,090	3,090		3,090	595	1,025	962	0.43	12.515	12.359		
13.375	61.00	K-55	1,540	3,090	3,090		3,090	633	1,169	962	0.43	12.515	12.359		
13.375	68.00	J-55	1,950	3,450	3,450		3,450	675	1,140	1,069	0.48	12.415	12.259		
13.375	68.00	K-55	1,950	3,450	3,450		3,450	718	1,300	1,069	0.48	12.415	12.259		
13.375	68.00	L-80	2,260	5,020	5,020		5,020	952	1,545	1,556	0.48	12.415	12.259		
13.375	68.00	N-80	2,260	5,020	5,020		5,020	963	1,585	1,556	0.48	12.415	12.259		
13.375	68.00	P-110	2,340	6,910	6,910		6,910	1,297	2,079	2,139	0.48	12.415	12.259		

## Casing Performance Ratings - Imperial



Size O.D.	Nominal Weight	Grade	Collapse Resistance	Internal Yield Pressure at Minimum Yield, (psi)				Joint Strength 1,000 (lbs)			Body Yield 1000 lbs	Wall (in.)	I.D. (in.)	Drift Diameter (in)	
	T&C			PE	STC	LTC	BTC	STC	LTC	BTC				API	SD
(in.)	lbs/ft		(psi)												
13.375	72.00	L-80	2,670	5,380	5,380		5,380	1,029	1,650	1,661	0.514	12.347	12.191	12.250	
13.375	72.00	N-80	2,670	5,380	5,380		5,380	1,040	1,693	1,661	0.514	12.347	12.191	12.250	
13.375	72.00	P-110	2,890	7,400	7,400		7,400	1,402	2,221	2,284	0.514	12.347	12.191	12.250	
13.375	80.70	P-110	4,000	8,350			8,350		2,493	2,565	0.58	12.215		12.059	
13.375	86.00	P-110	4,780	9,000			8,980		2,677	2,754	0.625	12.125		11.969	
13.500	81.40	P-110	3,910	8,270			8,270		2,235	2,590	0.58	12.34		12.250	
13.625	88.20	P-110	4,570	8,830			8,830		2,163	2,808	0.625	12.375		12.250	
16.000	65.00	H-40	630	1,640	1,640		1,640	439	781	736	0.375	15.25		15.062	
16.000	75.00	J-55	1,020	2,630	2,630		2,630	710	1,200	1,178	0.438	15.124		14.936	
16.000	75.00	K-55	1,020	2,630	2,630		2,630	752	1,331	1,178	0.438	15.124		14.936	
16.000	84.00	J-55	1,410	2,980	2,980		2,980	817	1,351	1,326	0.495	15.01		14.822	
16.000	84.00	K-55	1,410	2,980	2,980		2,980	865	1,499	1,326	0.495	15.01		14.822	
16.000	84.00	N-80	1,480	4,330	4,330		4,330	1,167	1,898	1,929	0.495	15.01		14.822	
16.000	84.00	P-110	1,480	5,960	5,960		5,960	1,575	2,518	2,652	0.495	15.01		14.822	
16.000	95.00	N-80	2,180	4,950			4,950		2,161	2,196	0.566	14.868		14.750	
16.000	95.00	P-110	2,230	6,810			6,810		2,866	3,019	0.566	14.868		14.750	
16.000	97.00	N-80	2,270	5,030			5,030		2,194	2,230	0.575	14.85		14.750	
16.000	97.00	P-110	2,340	6,920			6,920		2,910	3,067	0.575	14.85		14.750	
16.000	109.00	J-55	2,560	3,950	3,950		3,950	1,116	1,772	1,739	0.656	14.69		14.5	
16.000	109.00	K-55	2,560	3,950	3,950		3,950	1,181	1,965	1,739	0.656	14.69		14.5	
16.000	109.00	N-80	3,080	5,740	5,740		5,740	1,594	2,489	1,739	0.656	14.69		14.5	
16.000	118.00	J-55	3,170	4,300	4,300		4,300	1,224	1,924	1,889	0.715	14.57		14.382	
16.000	118.00	K-55	3,170	4,300	4,300		4,300	1,296	2,131	1,889	0.715	14.57		14.382	
16.000	118.00	N-80	3,680	6,260	6,260		6,260	1,741	2,703	2,747	0.715	14.57		14.382	
18.625	87.50	H-40	630	1,630	1,630		1,630	559	993	995	0.435	17.755		17.567	
18.625	87.50	J-55	630	2,250	2,250		2,250	754	1,329	1,368	0.435	17.755		17.567	
18.625	87.50	K-55	630	2,250	2,250		2,250	794	1,427	1,368	0.435	17.755		17.567	
18.625	87.50	N-80	630	3,270	3,270		3,270	1,079	1,887	1,990	0.435	17.755		17.567	
18.625	94.50	H-40	780	1,760	1,760		1,760	609	1,067	1,068	0.468	17.689		17.501	
18.625	94.50	J-55	780	2,420	2,420		2,420	821	1,427	1,469	0.468	17.689		17.501	
18.625	94.50	K-55	780	2,420	2,420		2,420	865	1,533	1,469	0.468	17.689		17.501	
18.625	94.50	N-80	780	3,520	3,520		3,520	1,174	2,027	2,137	0.468	17.689		17.501	
18.625	106.00	H-40	1,140	2,000	2,000		2,000	703	1,206	1,208	0.531	17.563		17.375	
18.625	106.00	J-55	1,140	2,740	2,740		2,740	948	1,613	1,661	0.531	17.563		17.375	
18.625	106.00	K-55	1,140	2,740	2,740		2,740	998	1,733	1,661	0.531	17.563		17.375	
18.625	106.00	N-80	1,150	3,990	3,990		3,990	1,356	2,292	2,416	0.531	17.563		17.375	
18.625	117.50	H-40	1,500	2,230	2,230		2,230	795	1,342	1,344	0.593	17.439		17.251	
18.625	117.50	J-55	1,510	3,060	3,060		3,060	1,072	1,795	1,849	0.593	17.439		17.251	
18.625	117.50	K-55	1,510	3,060	3,060		3,060	1,129	1,929	1,849	0.593	17.439		17.251	
18.625	117.50	N-80	1,620	4,460	4,460		4,460	1,534	2,551	2,689	0.593	17.439		17.251	
20.000	94.00	H-40	520	1,530	1,530		1,530	581	1,041	1,077	0.438	19.124		18.936	
20.000	94.00	J-55	520	2,110	2,110	2,110	2,110	783	907	1,402	0.438	19.124		18.936	
20.000	94.00	K-55	520	2,110	2,110	2,110	2,110	824	955	1,479	0.438	19.124		18.936	

## Casing Performance Ratings - Imperial



Size O.D.	Nominal Weight	Grade	Collapse Resistance	Internal Yield Pressure at Minimum Yield, (psi)				Joint Strength 1,000 (lbs)			Body Yield	Wall	I.D.	Drift Diameter (in)		
	T&C			(psi)	PE	STC	LTC	BTC	STC	LTC				BTC	1000 lbs	(in.)
(in.)	lbs/ft															
20.000	106.50	J-55	770	2,410	2,410	2,410	2,410	913	1,056	1,595	1,685	0.5	19	18.812		
20.000	106.50	K-55	770	2,410	2,410	2,410	2,410	960	1,113	1,683	1,685	0.5	19	18.812		
20.000	106.50	N-80	770	3,500	3,500	3,500	3,500	1,307	1,514	2,281	2,450	0.5	19	18.812		
20.000	133.00	K-55	1,500	3,060	3,060	3,060	3,060	1,253	1,453	2,123	2,125	0.635	18.73	18.542		
20.000	133.00	L-80	1,600	4,450	4,450	4,450	4,450	1,692	1,958	2,849	3,091	0.635	18.73	18.542		
20.000	133.00	N-80	1,600	4,450	4,450	4,450	4,450	1,707	1,976	2,877	3,091	0.635	18.73	18.542		
20.000	169.00	K-55	2,500	3,910	3,230	3,430	3,380	1,402	1,732	2,689	2,692	0.812	18.376	18.188		
20.000	169.00	L-80	3,020	5,680	4,690	4,990	4,920	2,202	2,549	3,610	3,916	0.812	18.376	18.188		
20.000	169.00	N-80	3,020	5,680	4,690	4,990	4,920	2,221	2,573	3,645	3,916	0.812	18.376	18.188		