



BARGE "FMT 3302"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-06 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,112	0	2,224	0	3,336	0	4,448	0	5,560	0		0		0		0	
1/4	23	1/4	1,135	1/4	2,247	1/4	3,359	1/4	4,471	1/4	5,584	1/4		1/4		1/4		1/4	
1/2	46	1/2	1,158	1/2	2,270	1/2	3,383	1/2	4,495	1/2	5,607	1/2		1/2		1/2		1/2	
3/4	70	3/4	1,182	3/4	2,294	3/4	3,406	3/4	4,518	3/4		3/4		3/4		3/4		3/4	
1	93	1	1,205	1	2,317	1	3,429	1	4,541	1		1		1		1		1	
1/4	116	1/4	1,228	1/4	2,340	1/4	3,452	1/4	4,564	1/4		1/4		1/4		1/4		1/4	
1/2	139	1/2	1,251	1/2	2,363	1/2	3,475	1/2	4,587	1/2		1/2		1/2		1/2		1/2	
3/4	162	3/4	1,274	3/4	2,386	3/4	3,498	3/4	4,610	3/4		3/4		3/4		3/4		3/4	
2	185	2	1,297	2	2,409	2	3,522	2	4,634	2		2		2		2		2	
1/4	209	1/4	1,321	1/4	2,433	1/4	3,545	1/4	4,657	1/4		1/4		1/4		1/4		1/4	
1/2	232	1/2	1,344	1/2	2,456	1/2	3,568	1/2	4,680	1/2		1/2		1/2		1/2		1/2	
3/4	255	3/4	1,367	3/4	2,479	3/4	3,591	3/4	4,703	3/4		3/4		3/4		3/4		3/4	
3	278	3	1,390	3	2,502	3	3,614	3	4,726	3		3		3		3		3	
1/4	301	1/4	1,413	1/4	2,525	1/4	3,637	1/4	4,749	1/4		1/4		1/4		1/4		1/4	
1/2	324	1/2	1,436	1/2	2,549	1/2	3,661	1/2	4,773	1/2		1/2		1/2		1/2		1/2	
3/4	348	3/4	1,460	3/4	2,572	3/4	3,684	3/4	4,796	3/4		3/4		3/4		3/4		3/4	
4	371	4	1,483	4	2,595	4	3,707	4	4,819	4		4		4		4		4	
1/4	394	1/4	1,506	1/4	2,618	1/4	3,730	1/4	4,842	1/4		1/4		1/4		1/4		1/4	
1/2	417	1/2	1,529	1/2	2,641	1/2	3,753	1/2	4,865	1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	1,552	3/4	2,664	3/4	3,776	3/4	4,888	3/4		3/4		3/4		3/4		3/4	
5	463	5	1,575	5	2,688	5	3,800	5	4,912	5		5		5		5		5	
1/4	487	1/4	1,599	1/4	2,711	1/4	3,823	1/4	4,935	1/4		1/4		1/4		1/4		1/4	
1/2	510	1/2	1,622	1/2	2,734	1/2	3,846	1/2	4,958	1/2		1/2		1/2		1/2		1/2	
3/4	533	3/4	1,645	3/4	2,757	3/4	3,869	3/4	4,981	3/4		3/4		3/4		3/4		3/4	
6	556	6	1,668	6	2,780	6	3,892	6	5,004	6		6		6		6		6	
1/4	579	1/4	1,691	1/4	2,803	1/4	3,915	1/4	5,027	1/4		1/4		1/4		1/4		1/4	
1/2	602	1/2	1,714	1/2	2,827	1/2	3,939	1/2	5,051	1/2		1/2		1/2		1/2		1/2	
3/4	626	3/4	1,738	3/4	2,850	3/4	3,962	3/4	5,074	3/4		3/4		3/4		3/4		3/4	
7	649	7	1,761	7	2,873	7	3,985	7	5,097	7		7		7		7		7	
1/4	672	1/4	1,784	1/4	2,896	1/4	4,008	1/4	5,120	1/4		1/4		1/4		1/4		1/4	
1/2	695	1/2	1,807	1/2	2,919	1/2	4,031	1/2	5,143	1/2		1/2		1/2		1/2		1/2	
3/4	718	3/4	1,830	3/4	2,942	3/4	4,054	3/4	5,167	3/4		3/4		3/4		3/4		3/4	
8	741	8	1,853	8	2,966	8	4,078	8	5,190	8		8		8		8		8	
1/4	765	1/4	1,877	1/4	2,989	1/4	4,101	1/4	5,213	1/4		1/4		1/4		1/4		1/4	
1/2	788	1/2	1,900	1/2	3,012	1/2	4,124	1/2	5,236	1/2		1/2		1/2		1/2		1/2	
3/4	811	3/4	1,923	3/4	3,035	3/4	4,147	3/4	5,259	3/4		3/4		3/4		3/4		3/4	
9	834	9	1,946	9	3,058	9	4,170	9	5,282	9		9		9		9		9	
1/4	857	1/4	1,969	1/4	3,081	1/4	4,193	1/4	5,306	1/4		1/4		1/4		1/4		1/4	
1/2	880	1/2	1,992	1/2	3,105	1/2	4,217	1/2	5,329	1/2		1/2		1/2		1/2		1/2	
3/4	904	3/4	2,016	3/4	3,128	3/4	4,240	3/4	5,352	3/4		3/4		3/4		3/4		3/4	
10	927	10	2,039	10	3,151	10	4,263	10	5,375	10		10		10		10		10	
1/4	950	1/4	2,062	1/4	3,174	1/4	4,286	1/4	5,398	1/4		1/4		1/4		1/4		1/4	
1/2	973	1/2	2,085	1/2	3,197	1/2	4,309	1/2	5,421	1/2		1/2		1/2		1/2		1/2	
3/4	996	3/4	2,108	3/4	3,220	3/4	4,332	3/4	5,445	3/4		3/4		3/4		3/4		3/4	
11	1,019	11	2,131	11	3,244	11	4,356	11	5,468	11		11		11		11		11	
1/4	1,043	1/4	2,155	1/4	3,267	1/4	4,379	1/4	5,491	1/4		1/4		1/4		1/4		1/4	
1/2	1,066	1/2	2,178	1/2	3,290	1/2	4,402	1/2	5,514	1/2		1/2		1/2		1/2		1/2	
3/4	1,089	3/4	2,201	3/4	3,313	3/4	4,425	3/4	5,537	3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 2" DIAMETER "HERMETIC" VALVE.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "FMT 3302"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-06 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,102	0	2,205	0	3,307	0	4,410	0	5,512	0		0		0		0	
1/4	23	1/4	1,125	1/4	2,228	1/4	3,330	1/4	4,433	1/4	5,535	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46	1/2	1,148	1/2	2,251	1/2	3,353	1/2	4,456	1/2	5,558	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69	3/4	1,171	3/4	2,274	3/4	3,376	3/4	4,479	3/4	5,581	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	92	1	1,194	1	2,297	1	3,399	1	4,502	1		1	1	1	1	1	1	1	1
1/4	115	1/4	1,217	1/4	2,320	1/4	3,422	1/4	4,524	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	138	1/2	1,240	1/2	2,343	1/2	3,445	1/2	4,547	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161	3/4	1,263	3/4	2,366	3/4	3,468	3/4	4,570	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	184	2	1,286	2	2,389	2	3,491	2	4,593	2		2	2	2	2	2	2	2	2
1/4	207	1/4	1,309	1/4	2,412	1/4	3,514	1/4	4,616	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	230	1/2	1,332	1/2	2,434	1/2	3,537	1/2	4,639	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	253	3/4	1,355	3/4	2,457	3/4	3,560	3/4	4,662	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	276	3	1,378	3	2,480	3	3,583	3	4,685	3		3	3	3	3	3	3	3	3
1/4	299	1/4	1,401	1/4	2,503	1/4	3,606	1/4	4,708	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	322	1/2	1,424	1/2	2,526	1/2	3,629	1/2	4,731	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	345	3/4	1,447	3/4	2,549	3/4	3,652	3/4	4,754	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	367	4	1,470	4	2,572	4	3,675	4	4,777	4		4	4	4	4	4	4	4	4
1/4	390	1/4	1,493	1/4	2,595	1/4	3,698	1/4	4,800	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	413	1/2	1,516	1/2	2,618	1/2	3,721	1/2	4,823	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	436	3/4	1,539	3/4	2,641	3/4	3,744	3/4	4,846	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	459	5	1,562	5	2,664	5	3,767	5	4,869	5		5	5	5	5	5	5	5	5
1/4	482	1/4	1,585	1/4	2,687	1/4	3,790	1/4	4,892	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	505	1/2	1,608	1/2	2,710	1/2	3,813	1/2	4,915	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	528	3/4	1,631	3/4	2,733	3/4	3,835	3/4	4,938	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	551	6	1,654	6	2,756	6	3,858	6	4,961	6		6	6	6	6	6	6	6	6
1/4	574	1/4	1,677	1/4	2,779	1/4	3,881	1/4	4,984	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	597	1/2	1,700	1/2	2,802	1/2	3,904	1/2	5,007	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	620	3/4	1,723	3/4	2,825	3/4	3,927	3/4	5,030	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	643	7	1,745	7	2,848	7	3,950	7	5,053	7		7	7	7	7	7	7	7	7
1/4	666	1/4	1,768	1/4	2,871	1/4	3,973	1/4	5,076	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	689	1/2	1,791	1/2	2,894	1/2	3,996	1/2	5,099	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	712	3/4	1,814	3/4	2,917	3/4	4,019	3/4	5,122	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	735	8	1,837	8	2,940	8	4,042	8	5,145	8		8	8	8	8	8	8	8	8
1/4	758	1/4	1,860	1/4	2,963	1/4	4,065	1/4	5,168	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	781	1/2	1,883	1/2	2,986	1/2	4,088	1/2	5,191	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	804	3/4	1,906	3/4	3,009	3/4	4,111	3/4	5,213	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	827	9	1,929	9	3,032	9	4,134	9	5,236	9		9	9	9	9	9	9	9	9
1/4	850	1/4	1,952	1/4	3,055	1/4	4,157	1/4	5,259	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	873	1/2	1,975	1/2	3,078	1/2	4,180	1/2	5,282	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	896	3/4	1,998	3/4	3,101	3/4	4,203	3/4	5,305	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	919	10	2,021	10	3,123	10	4,226	10	5,328	10		10	10	10	10	10	10	10	10
1/4	942	1/4	2,044	1/4	3,146	1/4	4,249	1/4	5,351	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	965	1/2	2,067	1/2	3,169	1/2	4,272	1/2	5,374	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	988	3/4	2,090	3/4	3,192	3/4	4,295	3/4	5,397	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,011	11	2,113	11	3,215	11	4,318	11	5,420	11		11	11	11	11	11	11	11	11
1/4	1,034	1/4	2,136	1/4	3,238	1/4	4,341	1/4	5,443	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,056	1/2	2,159	1/2	3,261	1/2	4,364	1/2	5,466	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,079	3/4	2,182	3/4	3,284	3/4	4,387	3/4	5,489	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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BARGE "FMT 3302"

FUEL TANK INNAGE TABLE

8" HATCH

GAUGE HEIGHT 4'- 05 1/4"

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	101	0	259	0	416	0	517	0		0		0		0		0	
1/4	1	1/4	104	1/4	262	1/4	419	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	107	1/2	265	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	110	3/4	269	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	113	1	272	1	428	1		1		1		1		1		1	
1/4	4	1/4	116	1/4	276	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	279	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	282	3/4	436	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	286	2	439	2		2		2		2		2		2	
1/4	9	1/4	129	1/4	289	1/4	442	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	132	1/2	293	1/2	444	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	135	3/4	296	3/4	447	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	138	3	300	3	450	3		3		3		3		3		3	
1/4	15	1/4	141	1/4	303	1/4	453	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	306	1/2	455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	148	3/4	310	3/4	458	3/4		3/4		3/4		3/4		3/4		3/4	
4	21	4	151	4	313	4	460	4		4		4		4		4		4	
1/4	23	1/4	154	1/4	316	1/4	463	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	25	1/2	157	1/2	320	1/2	465	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	161	3/4	323	3/4	468	3/4		3/4		3/4		3/4		3/4		3/4	
5	29	5	164	5	327	5	470	5		5		5		5		5		5	
1/4	31	1/4	167	1/4	330	1/4	473	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	170	1/2	333	1/2	475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	174	3/4	337	3/4	477	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	177	6	340	6	480	6		6		6		6		6		6	
1/4	40	1/4	180	1/4	343	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	184	1/2	347	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	187	3/4	350	3/4	486	3/4		3/4		3/4		3/4		3/4		3/4	
7	47	7	190	7	353	7	488	7		7		7		7		7		7	
1/4	49	1/4	194	1/4	356	1/4	490	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	52	1/2	197	1/2	360	1/2	492	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	201	3/4	363	3/4	494	3/4		3/4		3/4		3/4		3/4		3/4	
8	57	8	204	8	366	8	496	8		8		8		8		8		8	
1/4	59	1/4	207	1/4	369	1/4	498	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	211	1/2	373	1/2	500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	214	3/4	376	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	217	9	379	9	504	9		9		9		9		9		9	
1/4	70	1/4	221	1/4	382	1/4	505	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	73	1/2	224	1/2	385	1/2	507	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	228	3/4	388	3/4	508	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	231	10	392	10	510	10		10		10		10		10		10	
1/4	81	1/4	235	1/4	395	1/4	511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	84	1/2	238	1/2	398	1/2	512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	87	3/4	241	3/4	401	3/4	513	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	245	11	404	11	514	11		11		11		11		11		11	
1/4	92	1/4	248	1/4	407	1/4	515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	252	1/2	410	1/2	516	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	255	3/4	413	3/4	516	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK .
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "FMT 3302"

INNAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

August 1, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
Pearland, Texas 77588

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BARGE "FMT 3302"

1 PORT

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-05 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.65	0	290.82	0	625.32	0	966.25	0	1,308.14	0	1,650.87	0	1,993.59	0	2,336.32	0	2,679.04	0	3,021.73
1/4	17.56	1/4	297.42	1/4	632.46	1/4	973.33	1/4	1,315.28	1/4	1,658.01	1/4	2,000.73	1/4	2,343.46	1/4	2,686.18	1/4	3,028.87
1/2	20.48	1/2	304.02	1/2	639.60	1/2	980.41	1/2	1,322.42	1/2	1,665.15	1/2	2,007.87	1/2	2,350.60	1/2	2,693.32	1/2	3,036.01
3/4	23.40	3/4	310.62	3/4	646.74	3/4	987.48	3/4	1,329.56	3/4	1,672.29	3/4	2,015.01	3/4	2,357.74	3/4	2,700.46	3/4	3,043.14
1	26.32	1	317.22	1	653.88	1	994.56	1	1,336.70	1	1,679.43	1	2,022.15	1	2,364.88	1	2,707.60	1	3,050.28
1/4	31.11	1/4	323.90	1/4	661.02	1/4	1,001.64	1/4	1,343.84	1/4	1,686.57	1/4	2,029.29	1/4	2,372.02	1/4	2,714.74	1/4	3,057.42
1/2	35.89	1/2	330.58	1/2	668.16	1/2	1,008.72	1/2	1,350.98	1/2	1,693.71	1/2	2,036.43	1/2	2,379.16	1/2	2,721.88	1/2	3,064.56
3/4	40.68	3/4	337.26	3/4	675.30	3/4	1,015.80	3/4	1,358.12	3/4	1,700.85	3/4	2,043.57	3/4	2,386.30	3/4	2,729.01	3/4	3,071.69
2	45.47	2	343.94	2	682.44	2	1,022.88	2	1,365.26	2	1,707.99	2	2,050.71	2	2,393.44	2	2,736.15	2	3,078.83
1/4	51.19	1/4	350.70	1/4	689.58	1/4	1,029.97	1/4	1,372.40	1/4	1,715.13	1/4	2,057.85	1/4	2,400.58	1/4	2,743.29	1/4	3,085.97
1/2	56.92	1/2	357.47	1/2	696.72	1/2	1,037.06	1/2	1,379.54	1/2	1,722.27	1/2	2,064.99	1/2	2,407.72	1/2	2,750.43	1/2	3,093.11
3/4	62.65	3/4	364.23	3/4	703.86	3/4	1,044.15	3/4	1,386.68	3/4	1,729.41	3/4	2,072.13	3/4	2,414.86	3/4	2,757.57	3/4	3,100.25
3	68.37	3	371.00	3	711.00	3	1,051.24	3	1,393.82	3	1,736.55	3	2,079.27	3	2,422.00	3	2,764.71	3	3,107.38
1/4	74.21	1/4	377.85	1/4	718.14	1/4	1,058.34	1/4	1,400.96	1/4	1,743.69	1/4	2,086.41	1/4	2,429.14	1/4	2,771.85	1/4	3,114.52
1/2	80.05	1/2	384.69	1/2	725.28	1/2	1,065.45	1/2	1,408.10	1/2	1,750.83	1/2	2,093.55	1/2	2,436.28	1/2	2,778.99	1/2	3,121.66
3/4	85.88	3/4	391.54	3/4	732.42	3/4	1,072.55	3/4	1,415.24	3/4	1,757.97	3/4	2,100.69	3/4	2,443.42	3/4	2,786.13	3/4	3,128.80
4	91.72	4	398.39	4	739.56	4	1,079.66	4	1,422.38	4	1,765.11	4	2,107.83	4	2,450.56	4	2,793.27	4	3,135.93
1/4	97.65	1/4	405.32	1/4	746.67	1/4	1,086.80	1/4	1,429.52	1/4	1,772.25	1/4	2,114.97	1/4	2,457.70	1/4	2,800.41	1/4	3,143.07
1/2	103.58	1/2	412.25	1/2	753.77	1/2	1,093.94	1/2	1,436.66	1/2	1,779.39	1/2	2,122.11	1/2	2,464.84	1/2	2,807.55	1/2	3,150.21
3/4	109.51	3/4	419.18	3/4	760.88	3/4	1,101.08	3/4	1,443.80	3/4	1,786.53	3/4	2,129.25	3/4	2,471.98	3/4	2,814.69	3/4	3,157.35
5	115.43	5	426.12	5	767.98	5	1,108.22	5	1,450.94	5	1,793.67	5	2,136.39	5	2,479.12	5	2,821.83	5	3,164.48
1/4	121.45	1/4	433.13	1/4	775.07	1/4	1,115.36	1/4	1,458.08	1/4	1,800.81	1/4	2,143.53	1/4	2,486.26	1/4	2,828.97	1/4	3,171.62
1/2	127.46	1/2	440.14	1/2	782.16	1/2	1,122.50	1/2	1,465.22	1/2	1,807.95	1/2	2,150.67	1/2	2,493.40	1/2	2,836.11	1/2	3,178.76
3/4	133.48	3/4	447.14	3/4	789.25	3/4	1,129.64	3/4	1,472.36	3/4	1,815.09	3/4	2,157.81	3/4	2,500.54	3/4	2,843.25	3/4	3,185.90
6	139.49	6	454.15	6	796.34	6	1,136.78	6	1,479.50	6	1,822.23	6	2,164.95	6	2,507.68	6	2,850.39	6	3,193.04
1/4	145.59	1/4	461.25	1/4	803.41	1/4	1,143.92	1/4	1,486.64	1/4	1,829.37	1/4	2,172.09	1/4	2,514.82	1/4	2,857.53	1/4	3,200.17
1/2	151.68	1/2	468.34	1/2	810.49	1/2	1,151.06	1/2	1,493.78	1/2	1,836.51	1/2	2,179.23	1/2	2,521.96	1/2	2,864.67	1/2	3,207.31
3/4	157.78	3/4	475.43	3/4	817.57	3/4	1,158.20	3/4	1,500.92	3/4	1,843.65	3/4	2,186.37	3/4	2,529.10	3/4	2,871.81	3/4	3,214.45
7	163.88	7	482.53	7	824.65	7	1,165.34	7	1,508.07	7	1,850.79	7	2,193.51	7	2,536.24	7	2,878.95	7	3,221.59
1/4	170.06	1/4	489.67	1/4	831.73	1/4	1,172.48	1/4	1,515.21	1/4	1,857.93	1/4	2,200.65	1/4	2,543.38	1/4	2,886.09	1/4	3,228.72
1/2	176.24	1/2	496.81	1/2	838.81	1/2	1,179.62	1/2	1,522.35	1/2	1,865.07	1/2	2,207.79	1/2	2,550.52	1/2	2,893.23	1/2	3,235.86
3/4	182.42	3/4	503.95	3/4	845.89	3/4	1,186.76	3/4	1,529.49	3/4	1,872.21	3/4	2,214.93	3/4	2,557.66	3/4	2,900.37	3/4	3,243.00
8	188.60	8	511.09	8	852.97	8	1,193.90	8	1,536.63	8	1,879.35	8	2,222.08	8	2,564.80	8	2,907.50	8	3,250.14
1/4	194.86	1/4	518.23	1/4	860.05	1/4	1,201.04	1/4	1,543.77	1/4	1,886.49	1/4	2,229.22	1/4	2,571.94	1/4	2,914.64	1/4	3,257.27
1/2	201.13	1/2	525.37	1/2	867.13	1/2	1,208.18	1/2	1,550.91	1/2	1,893.63	1/2	2,236.36	1/2	2,579.08	1/2	2,921.78	1/2	3,264.41
3/4	207.39	3/4	532.51	3/4	874.21	3/4	1,215.32	3/4	1,558.05	3/4	1,900.77	3/4	2,243.50	3/4	2,586.22	3/4	2,928.92	3/4	3,271.55
9	213.66	9	539.65	9	881.29	9	1,222.46	9	1,565.19	9	1,907.91	9	2,250.64	9	2,593.36	9	2,936.06	9	3,278.69
1/4	220.00	1/4	546.78	1/4	888.37	1/4	1,229.60	1/4	1,572.33	1/4	1,915.05	1/4	2,257.78	1/4	2,600.50	1/4	2,943.20	1/4	3,285.83
1/2	226.35	1/2	553.92	1/2	895.45	1/2	1,236.74	1/2	1,579.47	1/2	1,922.19	1/2	2,264.92	1/2	2,607.64	1/2	2,950.34	1/2	3,292.96
3/4	232.70	3/4	561.06	3/4	902.53	3/4	1,243.88	3/4	1,586.61	3/4	1,929.33	3/4	2,272.06	3/4	2,614.78	3/4	2,957.48	3/4	3,300.10
10	239.04	10	568.20	10	909.61	10	1,251.02	10	1,593.75	10	1,936.47	10	2,279.20	10	2,621.92	10	2,964.62	10	3,307.24
1/4	245.48	1/4	575.34	1/4	916.69	1/4	1,258.16	1/4	1,600.89	1/4	1,943.61	1/4	2,286.34	1/4	2,629.06	1/4	2,971.76	1/4	3,314.38
1/2	251.91	1/2	582.48	1/2	923.77	1/2	1,265.30	1/2	1,608.03	1/2	1,950.75	1/2	2,293.48	1/2	2,636.20	1/2	2,978.90	1/2	3,321.51
3/4	258.34	3/4	589.62	3/4	930.85	3/4	1,272.44	3/4	1,615.17	3/4	1,957.89	3/4	2,300.62	3/4	2,643.34	3/4	2,986.04	3/4	3,328.65
11	264.77	11	596.76	11	937.93	11	1,279.58	11	1,622.31	11	1,965.03	11	2,307.76	11	2,650.48	11	2,993.18	11	3,335.79
1/4	271.28	1/4	603.90	1/4	945.01	1/4	1,286.72	1/4	1,629.45	1/4	1,972.17	1/4	2,314.90	1/4	2,657.62	1/4	3,000.32	1/4	3,342.93
1/2	277.80	1/2	611.04	1/2	952.09	1/2	1,293.86	1/2	1,636.59	1/2	1,979.31	1/2	2,322.04	1/2	2,664.76	1/2	3,007.46	1/2	3,350.06
3/4	284.31	3/4	618.18	3/4	959.17	3/4	1,301.00	3/4	1,643.73	3/4	1,986.45	3/4	2,329.18	3/4	2,671.90	3/4	3,014.59	3/4	3,357.20

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

**1 PORT
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,364.34	0	3,706.97	0	4,049.68	0	4,391.73	0	4,732.87	0		0		0		0		0	
1/4	3,371.48	1/4	3,714.11	1/4	4,056.82	1/4	4,398.84	1/4	4,739.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,378.62	1/2	3,721.25	1/2	4,063.96	1/2	4,405.95	1/2	4,747.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,385.75	3/4	3,728.39	3/4	4,071.10	3/4	4,413.05	3/4	4,754.19	3/4		3/4		3/4		3/4		3/4	
1	3,392.89	1	3,735.53	1	4,078.24	1	4,420.16	1	4,761.30	1		1		1		1		1	
1/4	3,400.03	1/4	3,742.67	1/4	4,085.38	1/4	4,427.27	1/4	4,768.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,407.17	1/2	3,749.81	1/2	4,092.52	1/2	4,434.37	1/2	4,775.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,414.30	3/4	3,756.95	3/4	4,099.66	3/4	4,441.48	3/4	4,782.62	3/4		3/4		3/4		3/4		3/4	
2	3,421.44	2	3,764.09	2	4,106.80	2	4,448.59	2	4,789.72	2		2		2		2		2	
1/4	3,428.58	1/4	3,771.23	1/4	4,113.94	1/4	4,455.69	1/4	4,796.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,435.72	1/2	3,778.37	1/2	4,121.08	1/2	4,462.80	1/2	4,803.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,442.85	3/4	3,785.51	3/4	4,128.22	3/4	4,469.91	3/4	4,811.04	3/4		3/4		3/4		3/4		3/4	
3	3,449.99	3	3,792.65	3	4,135.36	3	4,477.02	3	4,818.15	3		3		3		3		3	
1/4	3,457.13	1/4	3,799.79	1/4	4,142.50	1/4	4,484.12	1/4	4,825.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,464.27	1/2	3,806.93	1/2	4,149.64	1/2	4,491.23	1/2	4,832.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,471.41	3/4	3,814.07	3/4	4,156.77	3/4	4,498.34	3/4	4,839.34	3/4		3/4		3/4		3/4		3/4	
4	3,478.54	4	3,821.21	4	4,163.91	4	4,505.44	4	4,846.40	4		4		4		4		4	
1/4	3,485.68	1/4	3,828.35	1/4	4,171.05	1/4	4,512.55	1/4	4,853.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,492.82	1/2	3,835.49	1/2	4,178.19	1/2	4,519.66	1/2	4,860.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,499.96	3/4	3,842.63	3/4	4,185.33	3/4	4,526.76	3/4	4,867.59	3/4		3/4		3/4		3/4		3/4	
5	3,507.09	5	3,849.77	5	4,192.47	5	4,533.87	5	4,874.65	5		5		5		5		5	
1/4	3,514.23	1/4	3,856.91	1/4	4,199.61	1/4	4,540.98	1/4	4,881.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,521.37	1/2	3,864.05	1/2	4,206.75	1/2	4,548.09	1/2	4,888.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,528.51	3/4	3,871.19	3/4	4,213.89	3/4	4,555.19	3/4	4,895.84	3/4		3/4		3/4		3/4		3/4	
6	3,535.65	6	3,878.33	6	4,221.03	6	4,562.30	6	4,902.90	6		6		6		6		6	
1/4	3,542.78	1/4	3,885.47	1/4	4,228.17	1/4	4,569.41	1/4	4,909.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,549.92	1/2	3,892.61	1/2	4,235.31	1/2	4,576.51	1/2	4,916.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,557.06	3/4	3,899.75	3/4	4,242.45	3/4	4,583.62	3/4	4,924.04	3/4		3/4		3/4		3/4		3/4	
7	3,564.20	7	3,906.89	7	4,249.59	7	4,590.73	7	4,931.09	7		7		7		7		7	
1/4	3,571.33	1/4	3,914.03	1/4	4,256.70	1/4	4,597.83	1/4	4,938.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,578.47	1/2	3,921.16	1/2	4,263.81	1/2	4,604.94	1/2	4,945.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,585.61	3/4	3,928.30	3/4	4,270.91	3/4	4,612.05	3/4	4,952.07	3/4		3/4		3/4		3/4		3/4	
8	3,592.75	8	3,935.44	8	4,278.02	8	4,619.16	8	4,959.06	8		8		8		8		8	
1/4	3,599.88	1/4	3,942.58	1/4	4,285.13	1/4	4,626.26	1/4	4,965.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,607.02	1/2	3,949.72	1/2	4,292.23	1/2	4,633.37	1/2	4,971.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,614.16	3/4	3,956.86	3/4	4,299.34	3/4	4,640.48	3/4	4,977.57	3/4		3/4		3/4		3/4		3/4	
9	3,621.30	9	3,964.00	9	4,306.45	9	4,647.58	9	4,983.74	9		9		9		9		9	
1/4	3,628.44	1/4	3,971.14	1/4	4,313.55	1/4	4,654.69	1/4	4,988.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,635.58	1/2	3,978.28	1/2	4,320.66	1/2	4,661.80	1/2	4,993.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,642.72	3/4	3,985.42	3/4	4,327.77	3/4	4,668.90	3/4	4,998.68	3/4		3/4		3/4		3/4		3/4	
10	3,649.86	10	3,992.56	10	4,334.88	10	4,676.01	10	5,003.66	10		10		10		10		10	
1/4	3,657.00	1/4	3,999.70	1/4	4,341.98	1/4	4,683.12	1/4	5,007.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,664.14	1/2	4,006.84	1/2	4,349.09	1/2	4,690.23	1/2	5,011.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.28	3/4	4,013.98	3/4	4,356.20	3/4	4,697.33	3/4	5,015.03	3/4		3/4		3/4		3/4		3/4	
11	3,678.42	11	4,021.12	11	4,363.30	11	4,704.44	11	5,018.82	11		11		11		11		11	
1/4	3,685.55	1/4	4,028.26	1/4	4,370.41	1/4	4,711.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,692.69	1/2	4,035.40	1/2	4,377.52	1/2	4,718.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,699.83	3/4	4,042.54	3/4	4,384.62	3/4	4,725.76	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

1 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.66	0	290.99	0	625.77	0	968.52	0	1,311.42	0	1,654.39	0	1,997.36	0	2,340.34	0	2,683.31	0	3,026.24
1/4	17.58	1/4	297.60	1/4	632.91	1/4	975.65	1/4	1,318.56	1/4	1,661.53	1/4	2,004.51	1/4	2,347.48	1/4	2,690.45	1/4	3,033.38
1/2	20.50	1/2	304.20	1/2	640.06	1/2	982.79	1/2	1,325.71	1/2	1,668.68	1/2	2,011.65	1/2	2,354.63	1/2	2,697.60	1/2	3,040.53
3/4	23.42	3/4	310.80	3/4	647.20	3/4	989.92	3/4	1,332.85	3/4	1,675.83	3/4	2,018.80	3/4	2,361.77	3/4	2,704.74	3/4	3,047.67
1	26.33	1	317.40	1	654.35	1	997.06	1	1,340.00	1	1,682.97	1	2,025.95	1	2,368.92	1	2,711.89	1	3,054.81
1/4	31.12	1/4	324.09	1/4	661.49	1/4	1,004.20	1/4	1,347.14	1/4	1,690.12	1/4	2,033.09	1/4	2,376.06	1/4	2,719.03	1/4	3,061.96
1/2	35.91	1/2	330.77	1/2	668.64	1/2	1,011.33	1/2	1,354.29	1/2	1,697.26	1/2	2,040.24	1/2	2,383.21	1/2	2,726.17	1/2	3,069.10
3/4	40.70	3/4	337.46	3/4	675.78	3/4	1,018.47	3/4	1,361.43	3/4	1,704.41	3/4	2,047.38	3/4	2,390.36	3/4	2,733.32	3/4	3,076.24
2	45.49	2	344.14	2	682.93	2	1,025.61	2	1,368.58	2	1,711.55	2	2,054.53	2	2,397.50	2	2,740.46	2	3,083.38
1/4	51.22	1/4	350.91	1/4	690.07	1/4	1,032.75	1/4	1,375.72	1/4	1,718.70	1/4	2,061.67	1/4	2,404.65	1/4	2,747.61	1/4	3,090.53
1/2	56.95	1/2	357.68	1/2	697.22	1/2	1,039.90	1/2	1,382.87	1/2	1,725.84	1/2	2,068.82	1/2	2,411.79	1/2	2,754.75	1/2	3,097.67
3/4	62.68	3/4	364.45	3/4	704.36	3/4	1,047.04	3/4	1,390.01	3/4	1,732.99	3/4	2,075.96	3/4	2,418.94	3/4	2,761.90	3/4	3,104.81
3	68.41	3	371.22	3	711.51	3	1,054.18	3	1,397.16	3	1,740.13	3	2,083.11	3	2,426.08	3	2,769.04	3	3,111.96
1/4	74.25	1/4	378.07	1/4	718.65	1/4	1,061.33	1/4	1,404.30	1/4	1,747.28	1/4	2,090.25	1/4	2,433.23	1/4	2,776.19	1/4	3,119.10
1/2	80.09	1/2	384.92	1/2	725.80	1/2	1,068.48	1/2	1,411.45	1/2	1,754.42	1/2	2,097.40	1/2	2,440.37	1/2	2,783.33	1/2	3,126.24
3/4	85.93	3/4	391.78	3/4	732.94	3/4	1,075.62	3/4	1,418.59	3/4	1,761.57	3/4	2,104.54	3/4	2,447.52	3/4	2,790.48	3/4	3,133.38
4	91.77	4	398.63	4	740.09	4	1,082.77	4	1,425.74	4	1,768.71	4	2,111.69	4	2,454.66	4	2,797.62	4	3,140.53
1/4	97.70	1/4	405.57	1/4	747.23	1/4	1,089.91	1/4	1,432.89	1/4	1,775.86	1/4	2,118.83	1/4	2,461.81	1/4	2,804.77	1/4	3,147.67
1/2	103.63	1/2	412.50	1/2	754.38	1/2	1,097.06	1/2	1,440.03	1/2	1,783.00	1/2	2,125.98	1/2	2,468.95	1/2	2,811.91	1/2	3,154.81
3/4	109.56	3/4	419.44	3/4	761.52	3/4	1,104.20	3/4	1,447.18	3/4	1,790.15	3/4	2,133.12	3/4	2,476.10	3/4	2,819.05	3/4	3,161.96
5	115.50	5	426.37	5	768.67	5	1,111.35	5	1,454.32	5	1,797.30	5	2,140.27	5	2,483.24	5	2,826.20	5	3,169.10
1/4	121.51	1/4	433.39	1/4	775.81	1/4	1,118.49	1/4	1,461.47	1/4	1,804.44	1/4	2,147.42	1/4	2,490.39	1/4	2,833.34	1/4	3,176.24
1/2	127.53	1/2	440.41	1/2	782.95	1/2	1,125.64	1/2	1,468.61	1/2	1,811.59	1/2	2,154.56	1/2	2,497.53	1/2	2,840.49	1/2	3,183.39
3/4	133.55	3/4	447.43	3/4	790.10	3/4	1,132.78	3/4	1,475.76	3/4	1,818.73	3/4	2,161.71	3/4	2,504.68	3/4	2,847.63	3/4	3,190.53
6	139.56	6	454.45	6	797.24	6	1,139.93	6	1,482.90	6	1,825.88	6	2,168.85	6	2,511.83	6	2,854.78	6	3,197.67
1/4	145.67	1/4	461.56	1/4	804.38	1/4	1,147.07	1/4	1,490.05	1/4	1,833.02	1/4	2,176.00	1/4	2,518.97	1/4	2,861.92	1/4	3,204.81
1/2	151.77	1/2	468.66	1/2	811.52	1/2	1,154.22	1/2	1,497.19	1/2	1,840.17	1/2	2,183.14	1/2	2,526.12	1/2	2,869.07	1/2	3,211.96
3/4	157.87	3/4	475.76	3/4	818.65	3/4	1,161.36	3/4	1,504.34	3/4	1,847.31	3/4	2,190.29	3/4	2,533.26	3/4	2,876.21	3/4	3,219.10
7	163.97	7	482.87	7	825.79	7	1,168.51	7	1,511.48	7	1,854.46	7	2,197.43	7	2,540.41	7	2,883.36	7	3,226.24
1/4	170.15	1/4	490.01	1/4	832.92	1/4	1,175.65	1/4	1,518.63	1/4	1,861.60	1/4	2,204.58	1/4	2,547.55	1/4	2,890.50	1/4	3,233.39
1/2	176.34	1/2	497.16	1/2	840.06	1/2	1,182.80	1/2	1,525.77	1/2	1,868.75	1/2	2,211.72	1/2	2,554.70	1/2	2,897.65	1/2	3,240.53
3/4	182.52	3/4	504.30	3/4	847.20	3/4	1,189.95	3/4	1,532.92	3/4	1,875.89	3/4	2,218.87	3/4	2,561.84	3/4	2,904.79	3/4	3,247.67
8	188.70	8	511.45	8	854.33	8	1,197.09	8	1,540.06	8	1,883.04	8	2,226.01	8	2,568.99	8	2,911.93	8	3,254.81
1/4	194.97	1/4	518.59	1/4	861.47	1/4	1,204.24	1/4	1,547.21	1/4	1,890.18	1/4	2,233.16	1/4	2,576.13	1/4	2,919.08	1/4	3,261.96
1/2	201.24	1/2	525.74	1/2	868.61	1/2	1,211.38	1/2	1,554.36	1/2	1,897.33	1/2	2,240.30	1/2	2,583.28	1/2	2,926.22	1/2	3,269.10
3/4	207.51	3/4	532.88	3/4	875.74	3/4	1,218.53	3/4	1,561.50	3/4	1,904.48	3/4	2,247.45	3/4	2,590.42	3/4	2,933.37	3/4	3,276.24
9	213.77	9	540.03	9	882.88	9	1,225.67	9	1,568.65	9	1,911.62	9	2,254.59	9	2,597.57	9	2,940.51	9	3,283.39
1/4	220.13	1/4	547.17	1/4	890.01	1/4	1,232.82	1/4	1,575.79	1/4	1,918.77	1/4	2,261.74	1/4	2,604.71	1/4	2,947.66	1/4	3,290.53
1/2	226.48	1/2	554.32	1/2	897.15	1/2	1,239.96	1/2	1,582.94	1/2	1,925.91	1/2	2,268.89	1/2	2,611.86	1/2	2,954.80	1/2	3,297.67
3/4	232.83	3/4	561.46	3/4	904.29	3/4	1,247.11	3/4	1,590.08	3/4	1,933.06	3/4	2,276.03	3/4	2,619.01	3/4	2,961.95	3/4	3,304.81
10	239.18	10	568.61	10	911.42	10	1,254.25	10	1,597.23	10	1,940.20	10	2,283.18	10	2,626.15	10	2,969.09	10	3,311.96
1/4	245.61	1/4	575.75	1/4	918.56	1/4	1,261.40	1/4	1,604.37	1/4	1,947.35	1/4	2,290.32	1/4	2,633.30	1/4	2,976.24	1/4	3,319.10
1/2	252.05	1/2	582.90	1/2	925.70	1/2	1,268.54	1/2	1,611.52	1/2	1,954.49	1/2	2,297.47	1/2	2,640.44	1/2	2,983.38	1/2	3,326.24
3/4	258.48	3/4	590.04	3/4	932.83	3/4	1,275.69	3/4	1,618.66	3/4	1,961.64	3/4	2,304.61	3/4	2,647.58	3/4	2,990.53	3/4	3,333.39
11	264.92	11	597.19	11	939.97	11	1,282.83	11	1,625.81	11	1,968.78	11	2,311.76	11	2,654.73	11	2,997.67	11	3,340.53
1/4	271.44	1/4	604.33	1/4	947.11	1/4	1,289.98	1/4	1,632.95	1/4	1,975.93	1/4	2,318.90	1/4	2,661.87	1/4	3,004.81	1/4	3,347.67
1/2	277.96	1/2	611.48	1/2	954.24	1/2	1,297.12	1/2	1,640.10	1/2	1,983.07	1/2	2,326.05	1/2	2,669.02	1/2	3,011.96	1/2	3,354.81
3/4	284.47	3/4	618.62	3/4	961.38	3/4	1,304.27	3/4	1,647.24	3/4	1,990.22	3/4	2,333.19	3/4	2,676.16	3/4	3,019.10	3/4	3,361.96

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

1 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,369.10	0	3,711.98	0	4,054.93	0	4,397.22	0	4,738.61	0		0		0		0		0	
1/4	3,376.24	1/4	3,719.13	1/4	4,062.07	1/4	4,404.33	1/4	4,745.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,383.39	1/2	3,726.27	1/2	4,069.22	1/2	4,411.45	1/2	4,752.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,390.53	3/4	3,733.42	3/4	4,076.36	3/4	4,418.56	3/4	4,759.94	3/4		3/4		3/4		3/4		3/4	
1	3,397.67	1	3,740.56	1	4,083.51	1	4,425.67	1	4,767.06	1		1		1		1		1	
1/4	3,404.81	1/4	3,747.70	1/4	4,090.65	1/4	4,432.78	1/4	4,774.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,411.96	1/2	3,754.85	1/2	4,097.79	1/2	4,439.90	1/2	4,781.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,419.10	3/4	3,761.99	3/4	4,104.94	3/4	4,447.01	3/4	4,788.39	3/4		3/4		3/4		3/4		3/4	
2	3,426.24	2	3,769.14	2	4,112.08	2	4,454.12	2	4,795.51	2		2		2		2		2	
1/4	3,433.39	1/4	3,776.28	1/4	4,119.23	1/4	4,461.23	1/4	4,802.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,440.53	1/2	3,783.43	1/2	4,126.37	1/2	4,468.34	1/2	4,809.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,447.67	3/4	3,790.57	3/4	4,133.52	3/4	4,475.46	3/4	4,816.84	3/4		3/4		3/4		3/4		3/4	
3	3,454.82	3	3,797.72	3	4,140.66	3	4,482.57	3	4,823.95	3		3		3		3		3	
1/4	3,461.96	1/4	3,804.86	1/4	4,147.81	1/4	4,489.68	1/4	4,831.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,469.10	1/2	3,812.01	1/2	4,154.95	1/2	4,496.79	1/2	4,838.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,476.24	3/4	3,819.15	3/4	4,162.10	3/4	4,503.91	3/4	4,845.16	3/4		3/4		3/4		3/4		3/4	
4	3,483.39	4	3,826.30	4	4,169.24	4	4,511.02	4	4,852.22	4		4		4		4		4	
1/4	3,490.53	1/4	3,833.44	1/4	4,176.39	1/4	4,518.13	1/4	4,859.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,497.67	1/2	3,840.59	1/2	4,183.53	1/2	4,525.24	1/2	4,866.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,504.82	3/4	3,847.73	3/4	4,190.68	3/4	4,532.35	3/4	4,873.43	3/4		3/4		3/4		3/4		3/4	
5	3,511.96	5	3,854.88	5	4,197.82	5	4,539.47	5	4,880.49	5		5		5		5		5	
1/4	3,519.10	1/4	3,862.02	1/4	4,204.97	1/4	4,546.58	1/4	4,887.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,526.24	1/2	3,869.16	1/2	4,212.11	1/2	4,553.69	1/2	4,894.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,533.39	3/4	3,876.31	3/4	4,219.25	3/4	4,560.80	3/4	4,901.69	3/4		3/4		3/4		3/4		3/4	
6	3,540.53	6	3,883.45	6	4,226.40	6	4,567.92	6	4,908.76	6		6		6		6		6	
1/4	3,547.67	1/4	3,890.60	1/4	4,233.54	1/4	4,575.03	1/4	4,915.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,554.82	1/2	3,897.74	1/2	4,240.69	1/2	4,582.14	1/2	4,922.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,561.96	3/4	3,904.89	3/4	4,247.83	3/4	4,589.25	3/4	4,929.91	3/4		3/4		3/4		3/4		3/4	
7	3,569.10	7	3,912.03	7	4,254.98	7	4,596.36	7	4,936.97	7		7		7		7		7	
1/4	3,576.24	1/4	3,919.18	1/4	4,262.09	1/4	4,603.48	1/4	4,943.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,583.39	1/2	3,926.32	1/2	4,269.20	1/2	4,610.59	1/2	4,950.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,590.53	3/4	3,933.47	3/4	4,276.31	3/4	4,617.70	3/4	4,957.96	3/4		3/4		3/4		3/4		3/4	
8	3,597.67	8	3,940.61	8	4,283.43	8	4,624.81	8	4,964.96	8		8		8		8		8	
1/4	3,604.82	1/4	3,947.76	1/4	4,290.54	1/4	4,631.92	1/4	4,971.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,611.96	1/2	3,954.90	1/2	4,297.65	1/2	4,639.04	1/2	4,977.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,619.10	3/4	3,962.05	3/4	4,304.76	3/4	4,646.15	3/4	4,983.48	3/4		3/4		3/4		3/4		3/4	
9	3,626.24	9	3,969.19	9	4,311.88	9	4,653.26	9	4,989.66	9		9		9		9		9	
1/4	3,633.39	1/4	3,976.34	1/4	4,318.99	1/4	4,660.37	1/4	4,994.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,640.53	1/2	3,983.48	1/2	4,326.10	1/2	4,667.49	1/2	4,999.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.68	3/4	3,990.62	3/4	4,333.21	3/4	4,674.60	3/4	5,004.61	3/4		3/4		3/4		3/4		3/4	
10	3,654.82	10	3,997.77	10	4,340.32	10	4,681.71	10	5,009.59	10		10		10		10		10	
1/4	3,661.97	1/4	4,004.91	1/4	4,347.44	1/4	4,688.82	1/4	5,013.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,669.11	1/2	4,012.06	1/2	4,354.55	1/2	4,695.93	1/2	5,017.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.26	3/4	4,019.20	3/4	4,361.66	3/4	4,703.05	3/4	5,020.97	3/4		3/4		3/4		3/4		3/4	
11	3,683.40	11	4,026.35	11	4,368.77	11	4,710.16	11	5,024.76	11		11		11		11		11	
1/4	3,690.55	1/4	4,033.49	1/4	4,375.89	1/4	4,717.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.69	1/2	4,040.64	1/2	4,383.00	1/2	4,724.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,704.84	3/4	4,047.78	3/4	4,390.11	3/4	4,731.50	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

2 PORT INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.68	0	343.62	0	687.07	0	1,020.82	0	1,359.49	0	1,702.96	0	2,046.43	0	2,389.90	0	2,733.37	0	3,076.83
1/4	19.15	1/4	350.77	1/4	694.22	1/4	1,027.66	1/4	1,366.65	1/4	1,710.12	1/4	2,053.59	1/4	2,397.05	1/4	2,740.52	1/4	3,083.98
1/2	23.62	1/2	357.93	1/2	701.38	1/2	1,034.51	1/2	1,373.80	1/2	1,717.27	1/2	2,060.74	1/2	2,404.21	1/2	2,747.68	1/2	3,091.13
3/4	28.09	3/4	365.08	3/4	708.53	3/4	1,041.36	3/4	1,380.96	3/4	1,724.43	3/4	2,067.90	3/4	2,411.37	3/4	2,754.83	3/4	3,098.29
1	32.56	1	372.24	1	715.69	1	1,048.21	1	1,388.11	1	1,731.58	1	2,075.05	1	2,418.52	1	2,761.99	1	3,105.44
1/4	38.82	1/4	379.39	1/4	722.84	1/4	1,055.05	1/4	1,395.27	1/4	1,738.74	1/4	2,082.21	1/4	2,425.68	1/4	2,769.15	1/4	3,112.59
1/2	45.08	1/2	386.55	1/2	730.00	1/2	1,061.90	1/2	1,402.43	1/2	1,745.89	1/2	2,089.36	1/2	2,432.83	1/2	2,776.30	1/2	3,119.75
3/4	51.34	3/4	393.70	3/4	737.15	3/4	1,068.75	3/4	1,409.58	3/4	1,753.05	3/4	2,096.52	3/4	2,439.99	3/4	2,783.46	3/4	3,126.90
2	57.60	2	400.86	2	744.31	2	1,075.60	2	1,416.74	2	1,760.21	2	2,103.67	2	2,447.14	2	2,790.61	2	3,134.05
1/4	64.72	1/4	408.01	1/4	751.46	1/4	1,082.45	1/4	1,423.89	1/4	1,767.36	1/4	2,110.83	1/4	2,454.30	1/4	2,797.77	1/4	3,141.21
1/2	71.84	1/2	415.17	1/2	758.62	1/2	1,089.31	1/2	1,431.05	1/2	1,774.52	1/2	2,117.99	1/2	2,461.45	1/2	2,804.92	1/2	3,148.36
3/4	78.96	3/4	422.33	3/4	765.77	3/4	1,096.16	3/4	1,438.20	3/4	1,781.67	3/4	2,125.14	3/4	2,468.61	3/4	2,812.08	3/4	3,155.51
3	86.08	3	429.48	3	772.93	3	1,103.02	3	1,445.36	3	1,788.83	3	2,132.30	3	2,475.77	3	2,819.23	3	3,162.67
1/4	93.22	1/4	436.64	1/4	780.09	1/4	1,109.89	1/4	1,452.51	1/4	1,795.98	1/4	2,139.45	1/4	2,482.92	1/4	2,826.39	1/4	3,169.82
1/2	100.37	1/2	443.79	1/2	787.24	1/2	1,116.77	1/2	1,459.67	1/2	1,803.14	1/2	2,146.61	1/2	2,490.08	1/2	2,833.55	1/2	3,176.97
3/4	107.51	3/4	450.95	3/4	794.40	3/4	1,123.64	3/4	1,466.83	3/4	1,810.29	3/4	2,153.76	3/4	2,497.23	3/4	2,840.70	3/4	3,184.13
4	114.66	4	458.10	4	801.55	4	1,130.51	4	1,473.98	4	1,817.45	4	2,160.92	4	2,504.39	4	2,847.86	4	3,191.28
1/4	121.81	1/4	465.26	1/4	808.43	1/4	1,137.67	1/4	1,481.14	1/4	1,824.61	1/4	2,168.07	1/4	2,511.54	1/4	2,855.01	1/4	3,198.43
1/2	128.96	1/2	472.41	1/2	815.30	1/2	1,144.82	1/2	1,488.29	1/2	1,831.76	1/2	2,175.23	1/2	2,518.70	1/2	2,862.17	1/2	3,205.59
3/4	136.12	3/4	479.57	3/4	822.17	3/4	1,151.98	3/4	1,495.45	3/4	1,838.92	3/4	2,182.39	3/4	2,525.85	3/4	2,869.32	3/4	3,212.74
5	143.27	5	486.72	5	829.05	5	1,159.14	5	1,502.60	5	1,846.07	5	2,189.54	5	2,533.01	5	2,876.48	5	3,219.90
1/4	150.43	1/4	493.88	1/4	835.90	1/4	1,166.29	1/4	1,509.76	1/4	1,853.23	1/4	2,196.70	1/4	2,540.17	1/4	2,883.63	1/4	3,227.05
1/2	157.58	1/2	501.03	1/2	842.76	1/2	1,173.45	1/2	1,516.92	1/2	1,860.38	1/2	2,203.85	1/2	2,547.32	1/2	2,890.79	1/2	3,234.20
3/4	164.74	3/4	508.19	3/4	849.62	3/4	1,180.60	3/4	1,524.07	3/4	1,867.54	3/4	2,211.01	3/4	2,554.48	3/4	2,897.95	3/4	3,241.36
6	171.89	6	515.34	6	856.47	6	1,187.76	6	1,531.23	6	1,874.70	6	2,218.16	6	2,561.63	6	2,905.10	6	3,248.51
1/4	179.05	1/4	522.50	1/4	863.32	1/4	1,194.91	1/4	1,538.38	1/4	1,881.85	1/4	2,225.32	1/4	2,568.79	1/4	2,912.26	1/4	3,255.66
1/2	186.20	1/2	529.65	1/2	870.17	1/2	1,202.07	1/2	1,545.54	1/2	1,889.01	1/2	2,232.48	1/2	2,575.94	1/2	2,919.41	1/2	3,262.82
3/4	193.36	3/4	536.81	3/4	877.01	3/4	1,209.22	3/4	1,552.69	3/4	1,896.16	3/4	2,239.63	3/4	2,583.10	3/4	2,926.57	3/4	3,269.97
7	200.51	7	543.96	7	883.86	7	1,216.38	7	1,559.85	7	1,903.32	7	2,246.79	7	2,590.26	7	2,933.72	7	3,277.12
1/4	207.67	1/4	551.12	1/4	890.71	1/4	1,223.54	1/4	1,567.00	1/4	1,910.47	1/4	2,253.94	1/4	2,597.41	1/4	2,940.88	1/4	3,284.28
1/2	214.82	1/2	558.27	1/2	897.56	1/2	1,230.69	1/2	1,574.16	1/2	1,917.63	1/2	2,261.10	1/2	2,604.57	1/2	2,948.04	1/2	3,291.43
3/4	221.98	3/4	565.43	3/4	904.40	3/4	1,237.85	3/4	1,581.32	3/4	1,924.78	3/4	2,268.25	3/4	2,611.72	3/4	2,955.19	3/4	3,298.58
8	229.13	8	572.58	8	911.25	8	1,245.00	8	1,588.47	8	1,931.94	8	2,275.41	8	2,618.88	8	2,962.35	8	3,305.74
1/4	236.29	1/4	579.74	1/4	918.10	1/4	1,252.16	1/4	1,595.63	1/4	1,939.10	1/4	2,282.56	1/4	2,626.03	1/4	2,969.50	1/4	3,312.89
1/2	243.45	1/2	586.89	1/2	924.95	1/2	1,259.31	1/2	1,602.78	1/2	1,946.25	1/2	2,289.72	1/2	2,633.19	1/2	2,976.66	1/2	3,320.04
3/4	250.60	3/4	594.05	3/4	931.79	3/4	1,266.47	3/4	1,609.94	3/4	1,953.41	3/4	2,296.88	3/4	2,640.34	3/4	2,983.81	3/4	3,327.20
9	257.76	9	601.21	9	938.64	9	1,273.62	9	1,617.09	9	1,960.56	9	2,304.03	9	2,647.50	9	2,990.97	9	3,334.35
1/4	264.91	1/4	608.36	1/4	945.49	1/4	1,280.78	1/4	1,624.25	1/4	1,967.72	1/4	2,311.19	1/4	2,654.66	1/4	2,998.12	1/4	3,341.50
1/2	272.07	1/2	615.52	1/2	952.34	1/2	1,287.94	1/2	1,631.40	1/2	1,974.87	1/2	2,318.34	1/2	2,661.81	1/2	3,005.28	1/2	3,348.66
3/4	279.22	3/4	622.67	3/4	959.18	3/4	1,295.09	3/4	1,638.56	3/4	1,982.03	3/4	2,325.50	3/4	2,668.97	3/4	3,012.44	3/4	3,355.81
10	286.38	10	629.83	10	966.03	10	1,302.25	10	1,645.72	10	1,989.18	10	2,332.65	10	2,676.12	10	3,019.59	10	3,362.96
1/4	293.53	1/4	636.98	1/4	972.88	1/4	1,309.40	1/4	1,652.87	1/4	1,996.34	1/4	2,339.81	1/4	2,683.28	1/4	3,026.75	1/4	3,370.12
1/2	300.69	1/2	644.14	1/2	979.73	1/2	1,316.56	1/2	1,660.03	1/2	2,003.50	1/2	2,346.96	1/2	2,690.43	1/2	3,033.90	1/2	3,377.27
3/4	307.84	3/4	651.29	3/4	986.58	3/4	1,323.71	3/4	1,667.18	3/4	2,010.65	3/4	2,354.12	3/4	2,697.59	3/4	3,041.06	3/4	3,384.42
11	315.00	11	658.45	11	993.42	11	1,330.87	11	1,674.34	11	2,017.81	11	2,361.28	11	2,704.74	11	3,048.21	11	3,391.58
1/4	322.15	1/4	665.60	1/4	1,000.27	1/4	1,338.03	1/4	1,681.49	1/4	2,024.96	1/4	2,368.43	1/4	2,711.90	1/4	3,055.37	1/4	3,398.73
1/2	329.31	1/2	672.76	1/2	1,007.12	1/2	1,345.18	1/2	1,688.65	1/2	2,032.12	1/2	2,375.59	1/2	2,719.06	1/2	3,062.52	1/2	3,405.88
3/4	336.46	3/4	679.91	3/4	1,013.97	3/4	1,352.34	3/4	1,695.81	3/4	2,039.27	3/4	2,382.74	3/4	2,726.21	3/4	3,069.67	3/4	3,413.04

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

2 PORT INNAGE TABLE HERMETIC GAUGE HEIGHT 16'-05 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,420.19	0	3,763.55	0	4,106.92	0	4,449.63	0	4,791.42	0		0		0		0		0	
1/4	3,427.34	1/4	3,770.71	1/4	4,114.07	1/4	4,456.75	1/4	4,798.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,434.50	1/2	3,777.86	1/2	4,121.22	1/2	4,463.87	1/2	4,805.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,441.65	3/4	3,785.01	3/4	4,128.38	3/4	4,470.99	3/4	4,812.78	3/4		3/4		3/4		3/4		3/4	
1	3,448.80	1	3,792.17	1	4,135.53	1	4,478.11	1	4,819.90	1		1		1		1		1	
1/4	3,455.96	1/4	3,799.32	1/4	4,142.68	1/4	4,485.23	1/4	4,827.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,463.11	1/2	3,806.47	1/2	4,149.84	1/2	4,492.35	1/2	4,834.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,470.26	3/4	3,813.63	3/4	4,156.99	3/4	4,499.47	3/4	4,841.26	3/4		3/4		3/4		3/4		3/4	
2	3,477.42	2	3,820.78	2	4,164.14	2	4,506.59	2	4,848.39	2		2		2		2		2	
1/4	3,484.57	1/4	3,827.93	1/4	4,171.30	1/4	4,513.71	1/4	4,855.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,491.72	1/2	3,835.09	1/2	4,178.45	1/2	4,520.83	1/2	4,862.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,498.88	3/4	3,842.24	3/4	4,185.60	3/4	4,527.95	3/4	4,869.75	3/4		3/4		3/4		3/4		3/4	
3	3,506.03	3	3,849.39	3	4,192.76	3	4,535.07	3	4,876.87	3		3		3		3		3	
1/4	3,513.18	1/4	3,856.55	1/4	4,199.91	1/4	4,542.19	1/4	4,883.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,520.34	1/2	3,863.70	1/2	4,207.06	1/2	4,549.32	1/2	4,891.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,527.49	3/4	3,870.85	3/4	4,214.22	3/4	4,556.44	3/4	4,898.10	3/4		3/4		3/4		3/4		3/4	
4	3,534.64	4	3,878.01	4	4,221.37	4	4,563.56	4	4,905.17	4		4		4		4		4	
1/4	3,541.80	1/4	3,885.16	1/4	4,228.52	1/4	4,570.68	1/4	4,912.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,548.95	1/2	3,892.31	1/2	4,235.68	1/2	4,577.80	1/2	4,919.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,556.10	3/4	3,899.47	3/4	4,242.83	3/4	4,584.92	3/4	4,926.40	3/4		3/4		3/4		3/4		3/4	
5	3,563.26	5	3,906.62	5	4,249.98	5	4,592.04	5	4,933.48	5		5		5		5		5	
1/4	3,570.41	1/4	3,913.77	1/4	4,257.14	1/4	4,599.16	1/4	4,940.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,577.57	1/2	3,920.93	1/2	4,264.29	1/2	4,606.28	1/2	4,947.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,584.72	3/4	3,928.08	3/4	4,271.44	3/4	4,613.40	3/4	4,954.70	3/4		3/4		3/4		3/4		3/4	
6	3,591.87	6	3,935.24	6	4,278.60	6	4,620.52	6	4,961.77	6		6		6		6		6	
1/4	3,599.03	1/4	3,942.39	1/4	4,285.75	1/4	4,627.64	1/4	4,968.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,606.18	1/2	3,949.54	1/2	4,292.91	1/2	4,634.76	1/2	4,975.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,613.33	3/4	3,956.70	3/4	4,300.06	3/4	4,641.88	3/4	4,982.96	3/4		3/4		3/4		3/4		3/4	
7	3,620.49	7	3,963.85	7	4,307.21	7	4,649.01	7	4,990.02	7		7		7		7		7	
1/4	3,627.64	1/4	3,971.00	1/4	4,314.33	1/4	4,656.13	1/4	4,997.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,634.79	1/2	3,978.16	1/2	4,321.45	1/2	4,663.25	1/2	5,004.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,641.95	3/4	3,985.31	3/4	4,328.57	3/4	4,670.37	3/4	5,011.04	3/4		3/4		3/4		3/4		3/4	
8	3,649.10	8	3,992.46	8	4,335.69	8	4,677.49	8	5,018.04	8		8		8		8		8	
1/4	3,656.25	1/4	3,999.62	1/4	4,342.82	1/4	4,684.61	1/4	5,024.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,663.41	1/2	4,006.77	1/2	4,349.94	1/2	4,691.73	1/2	5,030.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,670.56	3/4	4,013.92	3/4	4,357.06	3/4	4,698.85	3/4	5,036.59	3/4		3/4		3/4		3/4		3/4	
9	3,677.71	9	4,021.08	9	4,364.18	9	4,705.97	9	5,042.77	9		9		9		9		9	
1/4	3,684.87	1/4	4,028.23	1/4	4,371.30	1/4	4,713.09	1/4	5,047.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,692.02	1/2	4,035.38	1/2	4,378.42	1/2	4,720.21	1/2	5,052.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,699.17	3/4	4,042.54	3/4	4,385.54	3/4	4,727.33	3/4	5,057.74	3/4		3/4		3/4		3/4		3/4	
10	3,706.33	10	4,049.69	10	4,392.66	10	4,734.45	10	5,062.73	10		10		10		10		10	
1/4	3,713.48	1/4	4,056.84	1/4	4,399.78	1/4	4,741.57	1/4	5,066.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,720.63	1/2	4,064.00	1/2	4,406.90	1/2	4,748.70	1/2	5,070.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,727.79	3/4	4,071.15	3/4	4,414.02	3/4	4,755.82	3/4	5,074.12	3/4		3/4		3/4		3/4		3/4	
11	3,734.94	11	4,078.30	11	4,421.14	11	4,762.94	11	5,077.91	11		11		11		11		11	
1/4	3,742.09	1/4	4,085.46	1/4	4,428.26	1/4	4,770.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,749.25	1/2	4,092.61	1/2	4,435.38	1/2	4,777.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,756.40	3/4	4,099.76	3/4	4,442.51	3/4	4,784.30	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

2 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.66	0	343.22	0	686.28	0	1,028.99	0	1,371.92	0	1,714.99	0	2,058.06	0	2,401.13	0	2,744.20	0	3,087.26
1/4	19.13	1/4	350.37	1/4	693.43	1/4	1,036.12	1/4	1,379.07	1/4	1,722.14	1/4	2,065.21	1/4	2,408.28	1/4	2,751.35	1/4	3,094.41
1/2	23.59	1/2	357.52	1/2	700.57	1/2	1,043.25	1/2	1,386.21	1/2	1,729.28	1/2	2,072.35	1/2	2,415.43	1/2	2,758.50	1/2	3,101.55
3/4	28.06	3/4	364.66	3/4	707.72	3/4	1,050.39	3/4	1,393.36	3/4	1,736.43	3/4	2,079.50	3/4	2,422.57	3/4	2,765.64	3/4	3,108.70
1	32.53	1	371.81	1	714.87	1	1,057.52	1	1,400.51	1	1,743.58	1	2,086.65	1	2,429.72	1	2,772.79	1	3,115.84
1/4	38.78	1/4	378.96	1/4	722.01	1/4	1,064.65	1/4	1,407.66	1/4	1,750.73	1/4	2,093.80	1/4	2,436.87	1/4	2,779.94	1/4	3,122.99
1/2	45.03	1/2	386.11	1/2	729.16	1/2	1,071.78	1/2	1,414.80	1/2	1,757.87	1/2	2,100.94	1/2	2,444.01	1/2	2,787.08	1/2	3,130.13
3/4	51.28	3/4	393.25	3/4	736.31	3/4	1,078.92	3/4	1,421.95	3/4	1,765.02	3/4	2,108.09	3/4	2,451.16	3/4	2,794.23	3/4	3,137.28
2	57.54	2	400.40	2	743.46	2	1,086.05	2	1,429.10	2	1,772.17	2	2,115.24	2	2,458.31	2	2,801.38	2	3,144.42
1/4	64.65	1/4	407.55	1/4	750.60	1/4	1,093.19	1/4	1,436.25	1/4	1,779.32	1/4	2,122.39	1/4	2,465.46	1/4	2,808.53	1/4	3,151.57
1/2	71.76	1/2	414.69	1/2	757.75	1/2	1,100.33	1/2	1,443.39	1/2	1,786.46	1/2	2,129.53	1/2	2,472.60	1/2	2,815.67	1/2	3,158.72
3/4	78.87	3/4	421.84	3/4	764.90	3/4	1,107.48	3/4	1,450.54	3/4	1,793.61	3/4	2,136.68	3/4	2,479.75	3/4	2,822.82	3/4	3,165.86
3	85.98	3	428.99	3	772.04	3	1,114.62	3	1,457.69	3	1,800.76	3	2,143.83	3	2,486.90	3	2,829.97	3	3,173.01
1/4	93.12	1/4	436.13	1/4	779.19	1/4	1,121.76	1/4	1,464.83	1/4	1,807.90	1/4	2,150.98	1/4	2,494.05	1/4	2,837.12	1/4	3,180.15
1/2	100.25	1/2	443.28	1/2	786.34	1/2	1,128.91	1/2	1,471.98	1/2	1,815.05	1/2	2,158.12	1/2	2,501.19	1/2	2,844.26	1/2	3,187.30
3/4	107.39	3/4	450.43	3/4	793.48	3/4	1,136.06	3/4	1,479.13	3/4	1,822.20	3/4	2,165.27	3/4	2,508.34	3/4	2,851.41	3/4	3,194.44
4	114.52	4	457.58	4	800.63	4	1,143.21	4	1,486.28	4	1,829.35	4	2,172.42	4	2,515.49	4	2,858.56	4	3,201.59
1/4	121.67	1/4	464.72	1/4	807.78	1/4	1,150.35	1/4	1,493.42	1/4	1,836.49	1/4	2,179.56	1/4	2,522.63	1/4	2,865.71	1/4	3,208.73
1/2	128.82	1/2	471.87	1/2	814.93	1/2	1,157.50	1/2	1,500.57	1/2	1,843.64	1/2	2,186.71	1/2	2,529.78	1/2	2,872.85	1/2	3,215.88
3/4	135.96	3/4	479.02	3/4	822.07	3/4	1,164.65	3/4	1,507.72	3/4	1,850.79	3/4	2,193.86	3/4	2,536.93	3/4	2,880.00	3/4	3,223.02
5	143.11	5	486.16	5	829.22	5	1,171.80	5	1,514.87	5	1,857.94	5	2,201.01	5	2,544.08	5	2,887.15	5	3,230.17
1/4	150.25	1/4	493.31	1/4	836.36	1/4	1,178.94	1/4	1,522.01	1/4	1,865.08	1/4	2,208.15	1/4	2,551.22	1/4	2,894.29	1/4	3,237.31
1/2	157.40	1/2	500.46	1/2	843.50	1/2	1,186.09	1/2	1,529.16	1/2	1,872.23	1/2	2,215.30	1/2	2,558.37	1/2	2,901.44	1/2	3,244.46
3/4	164.55	3/4	507.60	3/4	850.65	3/4	1,193.24	3/4	1,536.31	3/4	1,879.38	3/4	2,222.45	3/4	2,565.52	3/4	2,908.59	3/4	3,251.60
6	171.70	6	514.75	6	857.79	6	1,200.38	6	1,543.45	6	1,886.53	6	2,229.60	6	2,572.67	6	2,915.74	6	3,258.75
1/4	178.84	1/4	521.90	1/4	864.92	1/4	1,207.53	1/4	1,550.60	1/4	1,893.67	1/4	2,236.74	1/4	2,579.81	1/4	2,922.88	1/4	3,265.89
1/2	185.99	1/2	529.05	1/2	872.06	1/2	1,214.68	1/2	1,557.75	1/2	1,900.82	1/2	2,243.89	1/2	2,586.96	1/2	2,930.03	1/2	3,273.04
3/4	193.14	3/4	536.19	3/4	879.19	3/4	1,221.83	3/4	1,564.90	3/4	1,907.97	3/4	2,251.04	3/4	2,594.11	3/4	2,937.18	3/4	3,280.18
7	200.28	7	543.34	7	886.32	7	1,228.97	7	1,572.04	7	1,915.11	7	2,258.18	7	2,601.26	7	2,944.33	7	3,287.33
1/4	207.43	1/4	550.49	1/4	893.45	1/4	1,236.12	1/4	1,579.19	1/4	1,922.26	1/4	2,265.33	1/4	2,608.40	1/4	2,951.47	1/4	3,294.47
1/2	214.58	1/2	557.63	1/2	900.59	1/2	1,243.27	1/2	1,586.34	1/2	1,929.41	1/2	2,272.48	1/2	2,615.55	1/2	2,958.62	1/2	3,301.62
3/4	221.72	3/4	564.78	3/4	907.72	3/4	1,250.42	3/4	1,593.49	3/4	1,936.56	3/4	2,279.63	3/4	2,622.70	3/4	2,965.77	3/4	3,308.76
8	228.87	8	571.93	8	914.85	8	1,257.56	8	1,600.63	8	1,943.70	8	2,286.77	8	2,629.84	8	2,972.91	8	3,315.91
1/4	236.02	1/4	579.07	1/4	921.99	1/4	1,264.71	1/4	1,607.78	1/4	1,950.85	1/4	2,293.92	1/4	2,636.99	1/4	2,980.06	1/4	3,323.05
1/2	243.17	1/2	586.22	1/2	929.12	1/2	1,271.86	1/2	1,614.93	1/2	1,958.00	1/2	2,301.07	1/2	2,644.14	1/2	2,987.21	1/2	3,330.20
3/4	250.31	3/4	593.37	3/4	936.25	3/4	1,279.00	3/4	1,622.08	3/4	1,965.15	3/4	2,308.22	3/4	2,651.29	3/4	2,994.36	3/4	3,337.35
9	257.46	9	600.52	9	943.39	9	1,286.15	9	1,629.22	9	1,972.29	9	2,315.36	9	2,658.43	9	3,001.50	9	3,344.49
1/4	264.61	1/4	607.66	1/4	950.52	1/4	1,293.30	1/4	1,636.37	1/4	1,979.44	1/4	2,322.51	1/4	2,665.58	1/4	3,008.65	1/4	3,351.64
1/2	271.75	1/2	614.81	1/2	957.65	1/2	1,300.45	1/2	1,643.52	1/2	1,986.59	1/2	2,329.66	1/2	2,672.73	1/2	3,015.80	1/2	3,358.78
3/4	278.90	3/4	621.96	3/4	964.79	3/4	1,307.59	3/4	1,650.66	3/4	1,993.73	3/4	2,336.81	3/4	2,679.88	3/4	3,022.95	3/4	3,365.93
10	286.05	10	629.10	10	971.92	10	1,314.74	10	1,657.81	10	2,000.88	10	2,343.95	10	2,687.02	10	3,030.09	10	3,373.07
1/4	293.19	1/4	636.25	1/4	979.05	1/4	1,321.89	1/4	1,664.96	1/4	2,008.03	1/4	2,351.10	1/4	2,694.17	1/4	3,037.24	1/4	3,380.22
1/2	300.34	1/2	643.40	1/2	986.19	1/2	1,329.04	1/2	1,672.11	1/2	2,015.18	1/2	2,358.25	1/2	2,701.32	1/2	3,044.39	1/2	3,387.36
3/4	307.49	3/4	650.54	3/4	993.32	3/4	1,336.18	3/4	1,679.25	3/4	2,022.32	3/4	2,365.39	3/4	2,708.46	3/4	3,051.54	3/4	3,394.51
11	314.64	11	657.69	11	1,000.45	11	1,343.33	11	1,686.40	11	2,029.47	11	2,372.54	11	2,715.61	11	3,058.68	11	3,401.65
1/4	321.78	1/4	664.84	1/4	1,007.59	1/4	1,350.48	1/4	1,693.55	1/4	2,036.62	1/4	2,379.69	1/4	2,722.76	1/4	3,065.83	1/4	3,408.80
1/2	328.93	1/2	671.99	1/2	1,014.72	1/2	1,357.62	1/2	1,700.70	1/2	2,043.77	1/2	2,386.84	1/2	2,729.91	1/2	3,072.97	1/2	3,415.94
3/4	336.08	3/4	679.13	3/4	1,021.85	3/4	1,364.77	3/4	1,707.84	3/4	2,050.91	3/4	2,393.98	3/4	2,737.05	3/4	3,080.12	3/4	3,423.09

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

**2 STBD
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,430.23	0	3,773.23	0	4,116.30	0	4,458.71	0	4,800.22	0		0		0		0		0	
1/4	3,437.38	1/4	3,780.37	1/4	4,123.45	1/4	4,465.83	1/4	4,807.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,444.52	1/2	3,787.52	1/2	4,130.59	1/2	4,472.94	1/2	4,814.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,451.67	3/4	3,794.67	3/4	4,137.74	3/4	4,480.06	3/4	4,821.56	3/4		3/4		3/4		3/4		3/4	
1	3,458.81	1	3,801.82	1	4,144.89	1	4,487.17	1	4,828.67	1		1		1		1		1	
1/4	3,465.96	1/4	3,808.96	1/4	4,152.03	1/4	4,494.29	1/4	4,835.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,473.10	1/2	3,816.11	1/2	4,159.18	1/2	4,501.40	1/2	4,842.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,480.25	3/4	3,823.26	3/4	4,166.33	3/4	4,508.52	3/4	4,850.02	3/4		3/4		3/4		3/4		3/4	
2	3,487.39	2	3,830.41	2	4,173.48	2	4,515.63	2	4,857.13	2		2		2		2		2	
1/4	3,494.54	1/4	3,837.55	1/4	4,180.62	1/4	4,522.75	1/4	4,864.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,501.68	1/2	3,844.70	1/2	4,187.77	1/2	4,529.86	1/2	4,871.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,508.83	3/4	3,851.85	3/4	4,194.92	3/4	4,536.97	3/4	4,878.48	3/4		3/4		3/4		3/4		3/4	
3	3,515.98	3	3,859.00	3	4,202.07	3	4,544.09	3	4,885.59	3		3		3		3		3	
1/4	3,523.12	1/4	3,866.14	1/4	4,209.21	1/4	4,551.20	1/4	4,892.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,530.27	1/2	3,873.29	1/2	4,216.36	1/2	4,558.32	1/2	4,899.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,537.41	3/4	3,880.44	3/4	4,223.51	3/4	4,565.43	3/4	4,906.80	3/4		3/4		3/4		3/4		3/4	
4	3,544.56	4	3,887.58	4	4,230.65	4	4,572.55	4	4,913.87	4		4		4		4		4	
1/4	3,551.70	1/4	3,894.73	1/4	4,237.80	1/4	4,579.66	1/4	4,920.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,558.85	1/2	3,901.88	1/2	4,244.95	1/2	4,586.78	1/2	4,928.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,565.99	3/4	3,909.03	3/4	4,252.10	3/4	4,593.89	3/4	4,935.08	3/4		3/4		3/4		3/4		3/4	
5	3,573.14	5	3,916.17	5	4,259.24	5	4,601.01	5	4,942.15	5		5		5		5		5	
1/4	3,580.28	1/4	3,923.32	1/4	4,266.39	1/4	4,608.12	1/4	4,949.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,587.43	1/2	3,930.47	1/2	4,273.54	1/2	4,615.24	1/2	4,956.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,594.57	3/4	3,937.62	3/4	4,280.69	3/4	4,622.35	3/4	4,963.35	3/4		3/4		3/4		3/4		3/4	
6	3,601.72	6	3,944.76	6	4,287.83	6	4,629.46	6	4,970.42	6		6		6		6		6	
1/4	3,608.86	1/4	3,951.91	1/4	4,294.98	1/4	4,636.58	1/4	4,977.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,616.01	1/2	3,959.06	1/2	4,302.13	1/2	4,643.69	1/2	4,984.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,623.15	3/4	3,966.20	3/4	4,309.28	3/4	4,650.81	3/4	4,991.58	3/4		3/4		3/4		3/4		3/4	
7	3,630.30	7	3,973.35	7	4,316.42	7	4,657.92	7	4,998.64	7		7		7		7		7	
1/4	3,637.44	1/4	3,980.50	1/4	4,323.54	1/4	4,665.04	1/4	5,005.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,644.59	1/2	3,987.65	1/2	4,330.65	1/2	4,672.15	1/2	5,012.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,651.73	3/4	3,994.79	3/4	4,337.77	3/4	4,679.27	3/4	5,019.64	3/4		3/4		3/4		3/4		3/4	
8	3,658.88	8	4,001.94	8	4,344.88	8	4,686.38	8	5,026.64	8		8		8		8		8	
1/4	3,666.02	1/4	4,009.09	1/4	4,352.00	1/4	4,693.50	1/4	5,032.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.17	1/2	4,016.24	1/2	4,359.11	1/2	4,700.61	1/2	5,039.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,680.31	3/4	4,023.38	3/4	4,366.22	3/4	4,707.73	3/4	5,045.17	3/4		3/4		3/4		3/4		3/4	
9	3,687.46	9	4,030.53	9	4,373.34	9	4,714.84	9	5,051.35	9		9		9		9		9	
1/4	3,694.61	1/4	4,037.68	1/4	4,380.45	1/4	4,721.95	1/4	5,056.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,701.75	1/2	4,044.82	1/2	4,387.57	1/2	4,729.07	1/2	5,061.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,708.90	3/4	4,051.97	3/4	4,394.68	3/4	4,736.18	3/4	5,066.30	3/4		3/4		3/4		3/4		3/4	
10	3,716.05	10	4,059.12	10	4,401.80	10	4,743.30	10	5,071.29	10		10		10		10		10	
1/4	3,723.20	1/4	4,066.27	1/4	4,408.91	1/4	4,750.41	1/4	5,075.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,730.34	1/2	4,073.41	1/2	4,416.03	1/2	4,757.53	1/2	5,078.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,737.49	3/4	4,080.56	3/4	4,423.14	3/4	4,764.64	3/4	5,082.67	3/4		3/4		3/4		3/4		3/4	
11	3,744.64	11	4,087.71	11	4,430.26	11	4,771.76	11	5,086.46	11		11		11		11		11	
1/4	3,751.79	1/4	4,094.86	1/4	4,437.37	1/4	4,778.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,758.93	1/2	4,102.00	1/2	4,444.49	1/2	4,785.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,766.08	3/4	4,109.15	3/4	4,451.60	3/4	4,793.10	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

3 PORT INNAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-04 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.62	0	342.31	0	683.94	0	1,015.93	0	1,352.85	0	1,694.38	0	2,035.90	0	2,377.43	0	2,718.92	0	3,060.57
1/4	19.08	1/4	349.44	1/4	691.06	1/4	1,022.74	1/4	1,359.97	1/4	1,701.49	1/4	2,043.02	1/4	2,384.54	1/4	2,726.04	1/4	3,067.68
1/2	23.53	1/2	356.57	1/2	698.18	1/2	1,029.55	1/2	1,367.08	1/2	1,708.61	1/2	2,050.13	1/2	2,391.66	1/2	2,733.15	1/2	3,074.79
3/4	27.99	3/4	363.70	3/4	705.29	3/4	1,036.35	3/4	1,374.20	3/4	1,715.72	3/4	2,057.25	3/4	2,398.77	3/4	2,740.26	3/4	3,081.90
1	32.44	1	370.82	1	712.41	1	1,043.16	1	1,381.31	1	1,722.84	1	2,064.36	1	2,405.89	1	2,747.38	1	3,089.01
1/4	38.68	1/4	377.94	1/4	719.53	1/4	1,049.96	1/4	1,388.43	1/4	1,729.95	1/4	2,071.48	1/4	2,413.00	1/4	2,754.49	1/4	3,096.12
1/2	44.91	1/2	385.06	1/2	726.64	1/2	1,056.77	1/2	1,395.55	1/2	1,737.07	1/2	2,078.59	1/2	2,420.12	1/2	2,761.61	1/2	3,103.23
3/4	51.15	3/4	392.17	3/4	733.76	3/4	1,063.58	3/4	1,402.66	3/4	1,744.18	3/4	2,085.71	3/4	2,427.23	3/4	2,768.72	3/4	3,110.34
2	57.38	2	399.29	2	740.88	2	1,070.38	2	1,409.78	2	1,751.30	2	2,092.82	2	2,434.35	2	2,775.83	2	3,117.45
1/4	64.48	1/4	406.41	1/4	747.99	1/4	1,077.19	1/4	1,416.89	1/4	1,758.42	1/4	2,099.94	1/4	2,441.46	1/4	2,782.95	1/4	3,124.55
1/2	71.57	1/2	413.52	1/2	755.11	1/2	1,084.01	1/2	1,424.01	1/2	1,765.53	1/2	2,107.06	1/2	2,448.58	1/2	2,790.06	1/2	3,131.64
3/4	78.66	3/4	420.64	3/4	762.23	3/4	1,090.82	3/4	1,431.12	3/4	1,772.65	3/4	2,114.17	3/4	2,455.69	3/4	2,797.18	3/4	3,138.73
3	85.75	3	427.75	3	769.34	3	1,097.64	3	1,438.24	3	1,779.76	3	2,121.29	3	2,462.81	3	2,804.29	3	3,145.82
1/4	92.87	1/4	434.87	1/4	776.46	1/4	1,104.52	1/4	1,445.35	1/4	1,786.88	1/4	2,128.40	1/4	2,469.93	1/4	2,811.40	1/4	3,152.92
1/2	99.99	1/2	441.99	1/2	783.57	1/2	1,111.40	1/2	1,452.47	1/2	1,793.99	1/2	2,135.52	1/2	2,477.04	1/2	2,818.52	1/2	3,160.01
3/4	107.10	3/4	449.10	3/4	790.69	3/4	1,118.29	3/4	1,459.58	3/4	1,801.11	3/4	2,142.63	3/4	2,484.16	3/4	2,825.63	3/4	3,167.10
4	114.22	4	456.22	4	797.81	4	1,125.17	4	1,466.70	4	1,808.22	4	2,149.75	4	2,491.27	4	2,832.75	4	3,174.20
1/4	121.35	1/4	463.34	1/4	804.69	1/4	1,132.29	1/4	1,473.81	1/4	1,815.34	1/4	2,156.86	1/4	2,498.38	1/4	2,839.86	1/4	3,181.29
1/2	128.47	1/2	470.45	1/2	811.58	1/2	1,139.40	1/2	1,480.93	1/2	1,822.45	1/2	2,163.98	1/2	2,505.50	1/2	2,846.98	1/2	3,188.38
3/4	135.60	3/4	477.57	3/4	818.46	3/4	1,146.52	3/4	1,488.04	3/4	1,829.57	3/4	2,171.09	3/4	2,512.61	3/4	2,854.09	3/4	3,195.47
5	142.73	5	484.69	5	825.34	5	1,153.63	5	1,495.16	5	1,836.68	5	2,178.21	5	2,519.73	5	2,861.20	5	3,202.57
1/4	149.86	1/4	491.80	1/4	832.16	1/4	1,160.75	1/4	1,502.27	1/4	1,843.80	1/4	2,185.32	1/4	2,526.84	1/4	2,868.32	1/4	3,209.66
1/2	156.98	1/2	498.92	1/2	838.97	1/2	1,167.86	1/2	1,509.39	1/2	1,850.91	1/2	2,192.44	1/2	2,533.96	1/2	2,875.43	1/2	3,216.75
3/4	164.11	3/4	506.03	3/4	845.79	3/4	1,174.98	3/4	1,516.50	3/4	1,858.03	3/4	2,199.55	3/4	2,541.07	3/4	2,882.55	3/4	3,223.85
6	171.24	6	513.15	6	852.60	6	1,182.09	6	1,523.62	6	1,865.14	6	2,206.67	6	2,548.18	6	2,889.66	6	3,230.94
1/4	178.37	1/4	520.27	1/4	859.40	1/4	1,189.21	1/4	1,530.73	1/4	1,872.26	1/4	2,213.78	1/4	2,555.30	1/4	2,896.77	1/4	3,238.03
1/2	185.50	1/2	527.38	1/2	866.21	1/2	1,196.32	1/2	1,537.85	1/2	1,879.37	1/2	2,220.90	1/2	2,562.41	1/2	2,903.89	1/2	3,245.12
3/4	192.62	3/4	534.50	3/4	873.02	3/4	1,203.44	3/4	1,544.96	3/4	1,886.49	3/4	2,228.01	3/4	2,569.53	3/4	2,911.00	3/4	3,252.22
7	199.75	7	541.62	7	879.82	7	1,210.55	7	1,552.08	7	1,893.60	7	2,235.13	7	2,576.64	7	2,918.12	7	3,259.31
1/4	206.88	1/4	548.73	1/4	886.63	1/4	1,217.67	1/4	1,559.19	1/4	1,900.72	1/4	2,242.24	1/4	2,583.75	1/4	2,925.24	1/4	3,266.40
1/2	214.01	1/2	555.85	1/2	893.43	1/2	1,224.78	1/2	1,566.31	1/2	1,907.83	1/2	2,249.36	1/2	2,590.87	1/2	2,932.37	1/2	3,273.50
3/4	221.14	3/4	562.97	3/4	900.24	3/4	1,231.90	3/4	1,573.42	3/4	1,914.95	3/4	2,256.47	3/4	2,597.98	3/4	2,939.49	3/4	3,280.59
8	228.26	8	570.08	8	907.04	8	1,239.01	8	1,580.54	8	1,922.06	8	2,263.59	8	2,605.10	8	2,946.62	8	3,287.69
1/4	235.39	1/4	577.20	1/4	913.85	1/4	1,246.13	1/4	1,587.65	1/4	1,929.18	1/4	2,270.70	1/4	2,612.21	1/4	2,953.75	1/4	3,294.78
1/2	242.52	1/2	584.32	1/2	920.65	1/2	1,253.24	1/2	1,594.77	1/2	1,936.29	1/2	2,277.82	1/2	2,619.32	1/2	2,960.87	1/2	3,301.87
3/4	249.65	3/4	591.43	3/4	927.46	3/4	1,260.36	3/4	1,601.88	3/4	1,943.41	3/4	2,284.93	3/4	2,626.44	3/4	2,968.00	3/4	3,308.97
9	256.78	9	598.55	9	934.27	9	1,267.47	9	1,609.00	9	1,950.52	9	2,292.05	9	2,633.55	9	2,975.12	9	3,316.06
1/4	263.90	1/4	605.66	1/4	941.07	1/4	1,274.59	1/4	1,616.11	1/4	1,957.64	1/4	2,299.16	1/4	2,640.67	1/4	2,982.25	1/4	3,323.16
1/2	271.03	1/2	612.78	1/2	947.88	1/2	1,281.70	1/2	1,623.23	1/2	1,964.75	1/2	2,306.28	1/2	2,647.78	1/2	2,989.38	1/2	3,330.25
3/4	278.16	3/4	619.90	3/4	954.68	3/4	1,288.82	3/4	1,630.34	3/4	1,971.87	3/4	2,313.39	3/4	2,654.89	3/4	2,996.50	3/4	3,337.35
10	285.29	10	627.01	10	961.49	10	1,295.93	10	1,637.46	10	1,978.98	10	2,320.51	10	2,662.01	10	3,003.63	10	3,344.44
1/4	292.42	1/4	634.13	1/4	968.29	1/4	1,303.05	1/4	1,644.57	1/4	1,986.10	1/4	2,327.62	1/4	2,669.12	1/4	3,010.75	1/4	3,348.78
1/2	299.54	1/2	641.25	1/2	975.10	1/2	1,310.16	1/2	1,651.69	1/2	1,993.21	1/2	2,334.74	1/2	2,676.24	1/2	3,017.88	1/2	3,353.11
3/4	306.67	3/4	648.36	3/4	981.91	3/4	1,317.28	3/4	1,658.80	3/4	2,000.33	3/4	2,341.85	3/4	2,683.35	3/4	3,025.00	3/4	3,357.44
11	313.80	11	655.48	11	988.71	11	1,324.39	11	1,665.92	11	2,007.44	11	2,348.97	11	2,690.47	11	3,032.13	11	3,361.78
1/4	320.93	1/4	662.60	1/4	995.52	1/4	1,331.51	1/4	1,673.03	1/4	2,014.56	1/4	2,356.08	1/4	2,697.58	1/4	3,039.24	1/4	3,366.11
1/2	328.06	1/2	669.71	1/2	1,002.32	1/2	1,338.62	1/2	1,680.15	1/2	2,021.67	1/2	2,363.20	1/2	2,704.69	1/2	3,046.35	1/2	3,370.45
3/4	335.18	3/4	676.83	3/4	1,009.13	3/4	1,345.74	3/4	1,687.26	3/4	2,028.79	3/4	2,370.31	3/4	2,711.81	3/4	3,053.46	3/4	3,374.78

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

3 PORT INNAGE TABLE HERMETIC GAUGE HEIGHT 16'-04 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,379.12	0	3,588.24	0	3,797.92	0	4,007.23	0	4,216.00	0		0		0		0		0	
1/4	3,383.47	1/4	3,592.60	1/4	3,802.29	1/4	4,011.58	1/4	4,220.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,387.82	1/2	3,596.97	1/2	3,806.66	1/2	4,015.93	1/2	4,224.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,392.17	3/4	3,601.34	3/4	3,811.03	3/4	4,020.28	3/4	4,229.05	3/4		3/4		3/4		3/4		3/4	
1	3,396.53	1	3,605.71	1	3,815.40	1	4,024.63	1	4,233.40	1		1		1		1		1	
1/4	3,400.88	1/4	3,610.08	1/4	3,819.77	1/4	4,028.98	1/4	4,237.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,405.23	1/2	3,614.45	1/2	3,824.13	1/2	4,033.33	1/2	4,242.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,409.58	3/4	3,618.81	3/4	3,828.50	3/4	4,037.67	3/4	4,246.45	3/4		3/4		3/4		3/4		3/4	
2	3,413.94	2	3,623.18	2	3,832.87	2	4,042.02	2	4,250.80	2		2		2		2		2	
1/4	3,418.29	1/4	3,627.55	1/4	3,837.24	1/4	4,046.37	1/4	4,255.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,422.64	1/2	3,631.92	1/2	3,841.61	1/2	4,050.72	1/2	4,259.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,427.00	3/4	3,636.29	3/4	3,845.98	3/4	4,055.07	3/4	4,263.84	3/4		3/4		3/4		3/4		3/4	
3	3,431.35	3	3,640.66	3	3,850.35	3	4,059.42	3	4,268.19	3		3		3		3		3	
1/4	3,435.70	1/4	3,645.03	1/4	3,854.71	1/4	4,063.77	1/4	4,272.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,440.05	1/2	3,649.39	1/2	3,859.08	1/2	4,068.12	1/2	4,276.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,444.41	3/4	3,653.76	3/4	3,863.45	3/4	4,072.47	3/4	4,281.16	3/4		3/4		3/4		3/4		3/4	
4	3,448.76	4	3,658.13	4	3,867.82	4	4,076.82	4	4,285.48	4		4		4		4		4	
1/4	3,453.11	1/4	3,662.50	1/4	3,872.19	1/4	4,081.17	1/4	4,289.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,457.46	1/2	3,666.87	1/2	3,876.56	1/2	4,085.52	1/2	4,294.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,461.82	3/4	3,671.24	3/4	3,880.92	3/4	4,089.87	3/4	4,298.44	3/4		3/4		3/4		3/4		3/4	
5	3,466.17	5	3,675.61	5	3,885.29	5	4,094.22	5	4,302.77	5		5		5		5		5	
1/4	3,470.52	1/4	3,679.97	1/4	3,889.66	1/4	4,098.57	1/4	4,307.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,474.88	1/2	3,684.34	1/2	3,894.03	1/2	4,102.92	1/2	4,311.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,479.23	3/4	3,688.71	3/4	3,898.40	3/4	4,107.27	3/4	4,315.72	3/4		3/4		3/4		3/4		3/4	
6	3,483.58	6	3,693.08	6	3,902.77	6	4,111.61	6	4,320.04	6		6		6		6		6	
1/4	3,487.93	1/4	3,697.45	1/4	3,907.14	1/4	4,115.96	1/4	4,324.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,492.29	1/2	3,701.82	1/2	3,911.50	1/2	4,120.31	1/2	4,328.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,496.64	3/4	3,706.18	3/4	3,915.87	3/4	4,124.66	3/4	4,332.96	3/4		3/4		3/4		3/4		3/4	
7	3,500.99	7	3,710.55	7	3,920.24	7	4,129.01	7	4,337.27	7		7		7		7		7	
1/4	3,505.34	1/4	3,714.92	1/4	3,924.59	1/4	4,133.36	1/4	4,341.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,509.70	1/2	3,719.29	1/2	3,928.94	1/2	4,137.71	1/2	4,345.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,514.05	3/4	3,723.66	3/4	3,933.29	3/4	4,142.06	3/4	4,350.03	3/4		3/4		3/4		3/4		3/4	
8	3,518.40	8	3,728.03	8	3,937.64	8	4,146.41	8	4,354.28	8		8		8		8		8	
1/4	3,522.76	1/4	3,732.40	1/4	3,941.99	1/4	4,150.76	1/4	4,357.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,527.11	1/2	3,736.76	1/2	3,946.34	1/2	4,155.11	1/2	4,361.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,531.46	3/4	3,741.13	3/4	3,950.69	3/4	4,159.46	3/4	4,364.58	3/4		3/4		3/4		3/4		3/4	
9	3,535.81	9	3,745.50	9	3,955.04	9	4,163.81	9	4,368.01	9		9		9		9		9	
1/4	3,540.18	1/4	3,749.87	1/4	3,959.39	1/4	4,168.16	1/4	4,370.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,544.55	1/2	3,754.24	1/2	3,963.74	1/2	4,172.51	1/2	4,372.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,548.92	3/4	3,758.61	3/4	3,968.08	3/4	4,176.86	3/4	4,374.74	3/4		3/4		3/4		3/4		3/4	
10	3,553.29	10	3,762.98	10	3,972.43	10	4,181.21	10	4,376.98	10		10		10		10		10	
1/4	3,557.66	1/4	3,767.34	1/4	3,976.78	1/4	4,185.55	1/4	4,378.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,562.02	1/2	3,771.71	1/2	3,981.13	1/2	4,189.90	1/2	4,380.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,566.39	3/4	3,776.08	3/4	3,985.48	3/4	4,194.25	3/4	4,382.10	3/4		3/4		3/4		3/4		3/4	
11	3,570.76	11	3,780.45	11	3,989.83	11	4,198.60	11	4,383.80	11		11		11		11		11	
1/4	3,575.13	1/4	3,784.82	1/4	3,994.18	1/4	4,202.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,579.50	1/2	3,789.19	1/2	3,998.53	1/2	4,207.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,583.87	3/4	3,793.55	3/4	4,002.88	3/4	4,211.65	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

3 STBD INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.63	0	342.43	0	684.69	0	1,026.60	0	1,368.73	0	1,711.00	0	2,053.27	0	2,395.54	0	2,737.54	0	3,078.94
1/4	19.08	1/4	349.56	1/4	691.82	1/4	1,033.71	1/4	1,375.86	1/4	1,718.13	1/4	2,060.40	1/4	2,402.67	1/4	2,744.66	1/4	3,086.05
1/2	23.54	1/2	356.69	1/2	698.95	1/2	1,040.83	1/2	1,382.99	1/2	1,725.26	1/2	2,067.53	1/2	2,409.80	1/2	2,751.77	1/2	3,093.16
3/4	28.00	3/4	363.82	3/4	706.08	3/4	1,047.94	3/4	1,390.12	3/4	1,732.39	3/4	2,074.66	3/4	2,416.93	3/4	2,758.88	3/4	3,100.28
1	32.45	1	370.95	1	713.21	1	1,055.06	1	1,397.25	1	1,739.52	1	2,081.79	1	2,424.06	1	2,765.99	1	3,107.39
1/4	38.69	1/4	378.08	1/4	720.34	1/4	1,062.18	1/4	1,404.38	1/4	1,746.65	1/4	2,088.92	1/4	2,431.19	1/4	2,773.11	1/4	3,114.50
1/2	44.93	1/2	385.21	1/2	727.47	1/2	1,069.29	1/2	1,411.51	1/2	1,753.78	1/2	2,096.05	1/2	2,438.32	1/2	2,780.22	1/2	3,121.61
3/4	51.17	3/4	392.34	3/4	734.60	3/4	1,076.41	3/4	1,418.64	3/4	1,760.91	3/4	2,103.18	3/4	2,445.45	3/4	2,787.33	3/4	3,128.73
2	57.40	2	399.47	2	741.73	2	1,083.53	2	1,425.77	2	1,768.04	2	2,110.31	2	2,452.58	2	2,794.44	2	3,135.84
1/4	64.50	1/4	406.60	1/4	748.86	1/4	1,090.65	1/4	1,432.90	1/4	1,775.17	1/4	2,117.44	1/4	2,459.71	1/4	2,801.55	1/4	3,142.93
1/2	71.59	1/2	413.73	1/2	755.99	1/2	1,097.78	1/2	1,440.04	1/2	1,782.30	1/2	2,124.57	1/2	2,466.84	1/2	2,808.67	1/2	3,150.03
3/4	78.69	3/4	420.86	3/4	763.12	3/4	1,104.90	3/4	1,447.17	3/4	1,789.43	3/4	2,131.70	3/4	2,473.97	3/4	2,815.78	3/4	3,157.12
3	85.78	3	427.99	3	770.25	3	1,112.03	3	1,454.30	3	1,796.57	3	2,138.83	3	2,481.10	3	2,822.89	3	3,164.22
1/4	92.90	1/4	435.12	1/4	777.38	1/4	1,119.16	1/4	1,461.43	1/4	1,803.70	1/4	2,145.96	1/4	2,488.23	1/4	2,830.00	1/4	3,171.31
1/2	100.02	1/2	442.25	1/2	784.51	1/2	1,126.29	1/2	1,468.56	1/2	1,810.83	1/2	2,153.09	1/2	2,495.36	1/2	2,837.12	1/2	3,178.41
3/4	107.14	3/4	449.38	3/4	791.64	3/4	1,133.42	3/4	1,475.69	3/4	1,817.96	3/4	2,160.23	3/4	2,502.49	3/4	2,844.23	3/4	3,185.50
4	114.26	4	456.51	4	798.77	4	1,140.55	4	1,482.82	4	1,825.09	4	2,167.36	4	2,509.62	4	2,851.34	4	3,192.60
1/4	121.39	1/4	463.64	1/4	805.90	1/4	1,147.68	1/4	1,489.95	1/4	1,832.22	1/4	2,174.49	1/4	2,516.76	1/4	2,858.45	1/4	3,199.70
1/2	128.52	1/2	470.77	1/2	813.03	1/2	1,154.81	1/2	1,497.08	1/2	1,839.35	1/2	2,181.62	1/2	2,523.89	1/2	2,865.57	1/2	3,206.79
3/4	135.65	3/4	477.91	3/4	820.16	3/4	1,161.94	3/4	1,504.21	3/4	1,846.48	3/4	2,188.75	3/4	2,531.02	3/4	2,872.68	3/4	3,213.89
5	142.78	5	485.04	5	827.29	5	1,169.07	5	1,511.34	5	1,853.61	5	2,195.88	5	2,538.15	5	2,879.79	5	3,220.98
1/4	149.91	1/4	492.17	1/4	834.42	1/4	1,176.20	1/4	1,518.47	1/4	1,860.74	1/4	2,203.01	1/4	2,545.29	1/4	2,886.90	1/4	3,228.08
1/2	157.04	1/2	499.30	1/2	841.55	1/2	1,183.33	1/2	1,525.60	1/2	1,867.87	1/2	2,210.14	1/2	2,552.42	1/2	2,894.02	1/2	3,235.17
3/4	164.17	3/4	506.43	3/4	848.67	3/4	1,190.46	3/4	1,532.73	3/4	1,875.00	3/4	2,217.27	3/4	2,559.55	3/4	2,901.13	3/4	3,242.27
6	171.30	6	513.56	6	855.80	6	1,197.59	6	1,539.86	6	1,882.13	6	2,224.40	6	2,566.68	6	2,908.24	6	3,249.36
1/4	178.43	1/4	520.69	1/4	862.91	1/4	1,204.73	1/4	1,546.99	1/4	1,889.26	1/4	2,231.53	1/4	2,573.82	1/4	2,915.35	1/4	3,256.46
1/2	185.56	1/2	527.82	1/2	870.03	1/2	1,211.86	1/2	1,554.12	1/2	1,896.39	1/2	2,238.66	1/2	2,580.95	1/2	2,922.47	1/2	3,263.55
3/4	192.69	3/4	534.95	3/4	877.15	3/4	1,218.99	3/4	1,561.26	3/4	1,903.52	3/4	2,245.79	3/4	2,588.08	3/4	2,929.58	3/4	3,270.65
7	199.82	7	542.08	7	884.26	7	1,226.12	7	1,568.39	7	1,910.65	7	2,252.92	7	2,595.21	7	2,936.69	7	3,277.74
1/4	206.95	1/4	549.21	1/4	891.38	1/4	1,233.25	1/4	1,575.52	1/4	1,917.79	1/4	2,260.05	1/4	2,602.35	1/4	2,943.80	1/4	3,284.84
1/2	214.08	1/2	556.34	1/2	898.50	1/2	1,240.38	1/2	1,582.65	1/2	1,924.92	1/2	2,267.18	1/2	2,609.48	1/2	2,950.92	1/2	3,291.93
3/4	221.21	3/4	563.47	3/4	905.61	3/4	1,247.51	3/4	1,589.78	3/4	1,932.05	3/4	2,274.32	3/4	2,616.61	3/4	2,958.03	3/4	3,299.03
8	228.34	8	570.60	8	912.73	8	1,254.64	8	1,596.91	8	1,939.18	8	2,281.45	8	2,623.75	8	2,965.14	8	3,306.12
1/4	235.47	1/4	577.73	1/4	919.85	1/4	1,261.77	1/4	1,604.04	1/4	1,946.31	1/4	2,288.58	1/4	2,630.86	1/4	2,972.25	1/4	3,313.22
1/2	242.60	1/2	584.86	1/2	926.96	1/2	1,268.90	1/2	1,611.17	1/2	1,953.44	1/2	2,295.71	1/2	2,637.97	1/2	2,979.36	1/2	3,320.32
3/4	249.73	3/4	591.99	3/4	934.08	3/4	1,276.03	3/4	1,618.30	3/4	1,960.57	3/4	2,302.84	3/4	2,645.08	3/4	2,986.48	3/4	3,327.41
9	256.86	9	599.12	9	941.20	9	1,283.16	9	1,625.43	9	1,967.70	9	2,309.97	9	2,652.19	9	2,993.59	9	3,334.51
1/4	263.99	1/4	606.25	1/4	948.31	1/4	1,290.29	1/4	1,632.56	1/4	1,974.83	1/4	2,317.10	1/4	2,659.31	1/4	3,000.70	1/4	3,341.60
1/2	271.12	1/2	613.38	1/2	955.43	1/2	1,297.42	1/2	1,639.69	1/2	1,981.96	1/2	2,324.23	1/2	2,666.42	1/2	3,007.81	1/2	3,348.70
3/4	278.25	3/4	620.51	3/4	962.55	3/4	1,304.55	3/4	1,646.82	3/4	1,989.09	3/4	2,331.36	3/4	2,673.53	3/4	3,014.93	3/4	3,355.79
10	285.38	10	627.64	10	969.66	10	1,311.68	10	1,653.95	10	1,996.22	10	2,338.49	10	2,680.64	10	3,022.04	10	3,362.89
1/4	292.51	1/4	634.77	1/4	976.78	1/4	1,318.81	1/4	1,661.08	1/4	2,003.35	1/4	2,345.62	1/4	2,687.76	1/4	3,029.15	1/4	3,369.98
1/2	299.65	1/2	641.90	1/2	983.90	1/2	1,325.95	1/2	1,668.21	1/2	2,010.48	1/2	2,352.75	1/2	2,694.87	1/2	3,036.26	1/2	3,377.07
3/4	306.78	3/4	649.03	3/4	991.01	3/4	1,333.08	3/4	1,675.34	3/4	2,017.61	3/4	2,359.88	3/4	2,701.98	3/4	3,043.38	3/4	3,375.90
11	313.91	11	656.17	11	998.13	11	1,340.21	11	1,682.48	11	2,024.74	11	2,367.01	11	2,709.09	11	3,050.49	11	3,380.24
1/4	321.04	1/4	663.30	1/4	1,005.25	1/4	1,347.34	1/4	1,689.61	1/4	2,031.87	1/4	2,374.14	1/4	2,716.21	1/4	3,057.60	1/4	3,387.33
1/2	328.17	1/2	670.43	1/2	1,012.36	1/2	1,354.47	1/2	1,696.74	1/2	2,039.01	1/2	2,381.27	1/2	2,723.32	1/2	3,064.71	1/2	3,388.91
3/4	335.30	3/4	677.56	3/4	1,019.48	3/4	1,361.60	3/4	1,703.87	3/4	2,046.14	3/4	2,388.40	3/4	2,730.43	3/4	3,071.83	3/4	3,393.25

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "FMT 3302"

3 STBD
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-04 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,397.59	0	3,607.50	0	3,817.41	0	4,026.94	0	4,235.94	0		0		0		0		0	
1/4	3,401.96	1/4	3,611.87	1/4	3,821.79	1/4	4,031.30	1/4	4,240.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,406.33	1/2	3,616.25	1/2	3,826.16	1/2	4,035.65	1/2	4,244.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,410.71	3/4	3,620.62	3/4	3,830.53	3/4	4,040.01	3/4	4,249.00	3/4		3/4		3/4		3/4		3/4	
1	3,415.08	1	3,624.99	1	3,834.91	1	4,044.36	1	4,253.35	1		1		1		1		1	
1/4	3,419.45	1/4	3,629.37	1/4	3,839.28	1/4	4,048.71	1/4	4,257.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,423.83	1/2	3,633.74	1/2	3,843.65	1/2	4,053.07	1/2	4,262.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,428.20	3/4	3,638.11	3/4	3,848.03	3/4	4,057.42	3/4	4,266.41	3/4		3/4		3/4		3/4		3/4	
2	3,432.57	2	3,642.49	2	3,852.40	2	4,061.78	2	4,270.77	2		2		2		2		2	
1/4	3,436.95	1/4	3,646.86	1/4	3,856.77	1/4	4,066.13	1/4	4,275.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,441.32	1/2	3,651.23	1/2	3,861.15	1/2	4,070.48	1/2	4,279.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,445.69	3/4	3,655.61	3/4	3,865.52	3/4	4,074.84	3/4	4,283.83	3/4		3/4		3/4		3/4		3/4	
3	3,450.06	3	3,659.98	3	3,869.89	3	4,079.19	3	4,288.18	3		3		3		3		3	
1/4	3,454.44	1/4	3,664.35	1/4	3,874.27	1/4	4,083.55	1/4	4,292.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,458.81	1/2	3,668.72	1/2	3,878.64	1/2	4,087.90	1/2	4,296.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,463.18	3/4	3,673.10	3/4	3,883.01	3/4	4,092.25	3/4	4,301.16	3/4		3/4		3/4		3/4		3/4	
4	3,467.56	4	3,677.47	4	3,887.38	4	4,096.61	4	4,305.49	4		4		4		4		4	
1/4	3,471.93	1/4	3,681.84	1/4	3,891.76	1/4	4,100.96	1/4	4,309.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,476.30	1/2	3,686.22	1/2	3,896.13	1/2	4,105.32	1/2	4,314.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,480.68	3/4	3,690.59	3/4	3,900.50	3/4	4,109.67	3/4	4,318.47	3/4		3/4		3/4		3/4		3/4	
5	3,485.05	5	3,694.96	5	3,904.88	5	4,114.02	5	4,322.80	5		5		5		5		5	
1/4	3,489.42	1/4	3,699.34	1/4	3,909.25	1/4	4,118.38	1/4	4,327.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,493.80	1/2	3,703.71	1/2	3,913.62	1/2	4,122.73	1/2	4,331.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,498.17	3/4	3,708.08	3/4	3,918.00	3/4	4,127.09	3/4	4,335.76	3/4		3/4		3/4		3/4		3/4	
6	3,502.54	6	3,712.46	6	3,922.37	6	4,131.44	6	4,340.09	6		6		6		6		6	
1/4	3,506.92	1/4	3,716.83	1/4	3,926.74	1/4	4,135.79	1/4	4,344.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,511.29	1/2	3,721.20	1/2	3,931.12	1/2	4,140.15	1/2	4,348.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,515.66	3/4	3,725.58	3/4	3,935.49	3/4	4,144.50	3/4	4,353.02	3/4		3/4		3/4		3/4		3/4	
7	3,520.04	7	3,729.95	7	3,939.86	7	4,148.86	7	4,357.34	7		7		7		7		7	
1/4	3,524.41	1/4	3,734.32	1/4	3,944.22	1/4	4,153.21	1/4	4,361.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,528.78	1/2	3,738.70	1/2	3,948.57	1/2	4,157.56	1/2	4,365.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,533.16	3/4	3,743.07	3/4	3,952.93	3/4	4,161.92	3/4	4,370.11	3/4		3/4		3/4		3/4		3/4	
8	3,537.53	8	3,747.44	8	3,957.28	8	4,166.27	8	4,374.37	8		8		8		8		8	
1/4	3,541.90	1/4	3,751.82	1/4	3,961.63	1/4	4,170.63	1/4	4,377.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,546.28	1/2	3,756.19	1/2	3,965.99	1/2	4,174.98	1/2	4,381.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,550.65	3/4	3,760.56	3/4	3,970.34	3/4	4,179.33	3/4	4,384.67	3/4		3/4		3/4		3/4		3/4	
9	3,555.02	9	3,764.94	9	3,974.70	9	4,183.69	9	4,388.11	9		9		9		9		9	
1/4	3,559.39	1/4	3,769.31	1/4	3,979.05	1/4	4,188.04	1/4	4,390.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,563.77	1/2	3,773.68	1/2	3,983.40	1/2	4,192.40	1/2	4,392.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,568.14	3/4	3,778.05	3/4	3,987.76	3/4	4,196.75	3/4	4,394.85	3/4		3/4		3/4		3/4		3/4	
10	3,572.51	10	3,782.43	10	3,992.11	10	4,201.10	10	4,397.10	10		10		10		10		10	
1/4	3,576.89	1/4	3,786.80	1/4	3,996.47	1/4	4,205.46	1/4	4,398.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,581.26	1/2	3,791.17	1/2	4,000.82	1/2	4,209.81	1/2	4,400.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,585.63	3/4	3,795.55	3/4	4,005.17	3/4	4,214.17	3/4	4,402.22	3/4		3/4		3/4		3/4		3/4	
11	3,590.01	11	3,799.92	11	4,009.53	11	4,218.52	11	4,403.93	11		11		11		11		11	
1/4	3,594.38	1/4	3,804.29	1/4	4,013.88	1/4	4,222.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,598.75	1/2	3,808.67	1/2	4,018.24	1/2	4,227.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,603.13	3/4	3,813.04	3/4	4,022.59	3/4	4,231.58	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "FMT 3302"

ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

August 1, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

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BARGE "FMT 3302"

1 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,881.71	0	4,540.98	0	4,199.61	0	3,856.91	0	3,514.23	0	3,171.62	0	2,828.97	0	2,486.26
1/4		1/4		1/4	4,874.65	1/4	4,533.87	1/4	4,192.47	1/4	3,849.77	1/4	3,507.10	1/4	3,164.49	1/4	2,821.83	1/4	2,479.12
1/2		1/2		1/2	4,867.59	1/2	4,526.77	1/2	4,185.34	1/2	3,842.63	1/2	3,499.96	1/2	3,157.35	1/2	2,814.69	1/2	2,471.98
3/4		3/4		3/4	4,860.53	3/4	4,519.66	3/4	4,178.20	3/4	3,835.49	3/4	3,492.82	3/4	3,150.21	3/4	2,807.55	3/4	2,464.84
1		1		1	4,853.47	1	4,512.55	1	4,171.06	1	3,828.35	1	3,485.68	1	3,143.07	1	2,800.41	1	2,457.70
1/4		1/4		1/4	4,846.40	1/4	4,505.44	1/4	4,163.92	1/4	3,821.21	1/4	3,478.54	1/4	3,135.94	1/4	2,793.27	1/4	2,450.56
1/2		1/2		1/2	4,839.34	1/2	4,498.34	1/2	4,156.78	1/2	3,814.07	1/2	3,471.41	1/2	3,128.80	1/2	2,786.13	1/2	2,443.42
3/4		3/4		3/4	4,832.28	3/4	4,491.23	3/4	4,149.64	3/4	3,806.93	3/4	3,464.27	3/4	3,121.66	3/4	2,778.99	3/4	2,436.28
2		2		2	4,825.22	2	4,484.12	2	4,142.50	2	3,799.79	2	3,457.13	2	3,114.52	2	2,771.85	2	2,429.14
1/4		1/4		1/4	4,818.15	1/4	4,477.02	1/4	4,135.36	1/4	3,792.65	1/4	3,449.99	1/4	3,107.38	1/4	2,764.71	1/4	2,422.00
1/2		1/2		1/2	4,811.05	1/2	4,469.91	1/2	4,128.22	1/2	3,785.51	1/2	3,442.86	1/2	3,100.25	1/2	2,757.57	1/2	2,414.86
3/4		3/4		3/4	4,803.94	3/4	4,462.80	3/4	4,121.08	3/4	3,778.37	3/4	3,435.72	3/4	3,093.11	3/4	2,750.43	3/4	2,407.72
3		3		3	4,796.83	3	4,455.70	3	4,113.94	3	3,771.23	3	3,428.58	3	3,085.97	3	2,743.30	3	2,400.58
1/4		1/4		1/4	4,789.72	1/4	4,448.59	1/4	4,106.80	1/4	3,764.09	1/4	3,421.44	1/4	3,078.83	1/4	2,736.16	1/4	2,393.44
1/2		1/2		1/2	4,782.62	1/2	4,441.48	1/2	4,099.66	1/2	3,756.95	1/2	3,414.31	1/2	3,071.70	1/2	2,729.02	1/2	2,386.30
3/4		3/4		3/4	4,775.51	3/4	4,434.37	3/4	4,092.52	3/4	3,749.81	3/4	3,407.17	3/4	3,064.56	3/4	2,721.88	3/4	2,379.16
4		4		4	4,768.40	4	4,427.27	4	4,085.38	4	3,742.67	4	3,400.03	4	3,057.42	4	2,714.74	4	2,372.02
1/4		1/4		1/4	4,761.30	1/4	4,420.16	1/4	4,078.24	1/4	3,735.53	1/4	3,392.89	1/4	3,050.28	1/4	2,707.60	1/4	2,364.88
1/2		1/2		1/2	4,754.19	1/2	4,413.05	1/2	4,071.10	1/2	3,728.39	1/2	3,385.75	1/2	3,043.15	1/2	2,700.46	1/2	2,357.74
3/4		3/4		3/4	4,747.08	3/4	4,405.95	3/4	4,063.96	3/4	3,721.25	3/4	3,378.62	3/4	3,036.01	3/4	2,693.32	3/4	2,350.60
5		5		5	4,739.98	5	4,398.84	5	4,056.82	5	3,714.11	5	3,371.48	5	3,028.87	5	2,686.18	5	2,343.46
1/4		1/4		1/4	4,732.87	1/4	4,391.73	1/4	4,049.68	1/4	3,706.98	1/4	3,364.34	1/4	3,021.73	1/4	2,679.04	1/4	2,336.32
1/2		1/2		1/2	4,725.76	1/2	4,384.63	1/2	4,042.54	1/2	3,699.84	1/2	3,357.20	1/2	3,014.59	1/2	2,671.90	1/2	2,329.18
3/4		3/4		3/4	4,718.65	3/4	4,377.52	3/4	4,035.40	3/4	3,692.70	3/4	3,350.07	3/4	3,007.46	3/4	2,664.76	3/4	2,322.04
6		6		6	4,711.55	6	4,370.41	6	4,028.26	6	3,685.56	6	3,342.93	6	3,000.32	6	2,657.62	6	2,314.90
1/4		1/4	5,018.82	1/4	4,704.44	1/4	4,363.30	1/4	4,021.12	1/4	3,678.42	1/4	3,335.79	1/4	2,993.18	1/4	2,650.48	1/4	2,307.76
1/2		1/2	5,015.03	1/2	4,697.33	1/2	4,356.20	1/2	4,013.98	1/2	3,671.28	1/2	3,328.65	1/2	2,986.04	1/2	2,643.34	1/2	2,300.62
3/4		3/4	5,011.24	3/4	4,690.23	3/4	4,349.09	3/4	4,006.84	3/4	3,664.14	3/4	3,321.52	3/4	2,978.90	3/4	2,636.20	3/4	2,293.48
7		7	5,007.45	7	4,683.12	7	4,341.98	7	3,999.70	7	3,657.00	7	3,314.38	7	2,971.76	7	2,629.06	7	2,286.34
1/4		1/4	5,003.66	1/4	4,676.01	1/4	4,334.88	1/4	3,992.56	1/4	3,649.86	1/4	3,307.24	1/4	2,964.62	1/4	2,621.92	1/4	2,279.20
1/2		1/2	4,998.68	1/2	4,668.91	1/2	4,327.77	1/2	3,985.42	1/2	3,642.72	1/2	3,300.10	1/2	2,957.48	1/2	2,614.78	1/2	2,272.06
3/4		3/4	4,993.70	3/4	4,661.80	3/4	4,320.66	3/4	3,978.28	3/4	3,635.58	3/4	3,292.96	3/4	2,950.34	3/4	2,607.64	3/4	2,264.92
8		8	4,988.72	8	4,654.69	8	4,313.56	8	3,971.14	8	3,628.44	8	3,285.83	8	2,943.20	8	2,600.50	8	2,257.78
1/4		1/4	4,983.74	1/4	4,647.58	1/4	4,306.45	1/4	3,964.00	1/4	3,621.30	1/4	3,278.69	1/4	2,936.06	1/4	2,593.36	1/4	2,250.64
1/2		1/2	4,977.57	1/2	4,640.48	1/2	4,299.34	1/2	3,956.86	1/2	3,614.16	1/2	3,271.55	1/2	2,928.92	1/2	2,586.22	1/2	2,243.50
3/4		3/4	4,971.40	3/4	4,633.37	3/4	4,292.23	3/4	3,949.73	3/4	3,607.02	3/4	3,264.41	3/4	2,921.79	3/4	2,579.08	3/4	2,236.36
9		9	4,965.23	9	4,626.26	9	4,285.13	9	3,942.59	9	3,599.89	9	3,257.28	9	2,914.65	9	2,571.94	9	2,229.22
1/4		1/4	4,959.06	1/4	4,619.16	1/4	4,278.02	1/4	3,935.45	1/4	3,592.75	1/4	3,250.14	1/4	2,907.51	1/4	2,564.80	1/4	2,222.08
1/2		1/2	4,952.07	1/2	4,612.05	1/2	4,270.91	1/2	3,928.31	1/2	3,585.61	1/2	3,243.00	1/2	2,900.37	1/2	2,557.66	1/2	2,214.94
3/4		3/4	4,945.08	3/4	4,604.94	3/4	4,263.81	3/4	3,921.17	3/4	3,578.47	3/4	3,235.86	3/4	2,893.23	3/4	2,550.52	3/4	2,207.80
10		10	4,938.08	10	4,597.84	10	4,256.70	10	3,914.03	10	3,571.33	10	3,228.73	10	2,886.09	10	2,543.38	10	2,200.66
1/4		1/4	4,931.09	1/4	4,590.73	1/4	4,249.59	1/4	3,906.89	1/4	3,564.20	1/4	3,221.59	1/4	2,878.95	1/4	2,536.24	1/4	2,193.52
1/2		1/2	4,924.04	1/2	4,583.62	1/2	4,242.45	1/2	3,899.75	1/2	3,557.06	1/2	3,214.45	1/2	2,871.81	1/2	2,529.10	1/2	2,186.38
3/4		3/4	4,917.00	3/4	4,576.51	3/4	4,235.31	3/4	3,892.61	3/4	3,549.92	3/4	3,207.31	3/4	2,864.67	3/4	2,521.96	3/4	2,179.24
11		11	4,909.95	11	4,569.41	11	4,228.17	11	3,885.47	11	3,542.78	11	3,200.17	11	2,857.53	11	2,514.82	11	2,172.10
1/4		1/4	4,902.90	1/4	4,562.30	1/4	4,221.03	1/4	3,878.33	1/4	3,535.65	1/4	3,193.04	1/4	2,850.39	1/4	2,507.68	1/4	2,164.96
1/2		1/2	4,895.84	1/2	4,555.19	1/2	4,213.89	1/2	3,871.19	1/2	3,528.51	1/2	3,185.90	1/2	2,843.25	1/2	2,500.54	1/2	2,157.82
3/4		3/4	4,888.78	3/4	4,548.09	3/4	4,206.75	3/4	3,864.05	3/4	3,521.37	3/4	3,178.76	3/4	2,836.11	3/4	2,493.40	3/4	2,150.68

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "FMT 3302"

1 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-05 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,143.54	0	1,800.81	0	1,458.09	0	1,115.36	0	775.07	0	433.13	0	121.45	0		0		0	
1/4	2,136.40	1/4	1,793.67	1/4	1,450.95	1/4	1,108.22	1/4	767.99	1/4	426.12	1/4	115.44	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,129.26	1/2	1,786.53	1/2	1,443.81	1/2	1,101.08	1/2	760.88	1/2	419.19	1/2	109.51	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,122.11	3/4	1,779.39	3/4	1,436.67	3/4	1,093.94	3/4	753.77	3/4	412.25	3/4	103.58	3/4	3/4	3/4	3/4	3/4	3/4
1	2,114.97	1	1,772.25	1	1,429.53	1	1,086.80	1	746.67	1	405.32	1	97.65	1	1	1	1	1	1
1/4	2,107.83	1/4	1,765.11	1/4	1,422.39	1/4	1,079.66	1/4	739.56	1/4	398.39	1/4	91.72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,100.69	1/2	1,757.97	1/2	1,415.25	1/2	1,072.55	1/2	732.42	1/2	391.54	1/2	85.88	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,093.55	3/4	1,750.83	3/4	1,408.10	3/4	1,065.45	3/4	725.28	3/4	384.70	3/4	80.05	3/4	3/4	3/4	3/4	3/4	3/4
2	2,086.41	2	1,743.69	2	1,400.96	2	1,058.34	2	718.14	2	377.85	2	74.21	2	2	2	2	2	2
1/4	2,079.27	1/4	1,736.55	1/4	1,393.82	1/4	1,051.24	1/4	711.00	1/4	371.00	1/4	68.38	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,072.13	1/2	1,729.41	1/2	1,386.68	1/2	1,044.15	1/2	703.86	1/2	364.24	1/2	62.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,064.99	3/4	1,722.27	3/4	1,379.54	3/4	1,037.06	3/4	696.72	3/4	357.47	3/4	56.92	3/4	3/4	3/4	3/4	3/4	3/4
3	2,057.85	3	1,715.13	3	1,372.40	3	1,029.97	3	689.58	3	350.71	3	51.19	3	3	3	3	3	3
1/4	2,050.71	1/4	1,707.99	1/4	1,365.26	1/4	1,022.88	1/4	682.44	1/4	343.94	1/4	45.47	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,043.57	1/2	1,700.85	1/2	1,358.12	1/2	1,015.81	1/2	675.30	1/2	337.26	1/2	40.68	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,036.43	3/4	1,693.71	3/4	1,350.98	3/4	1,008.73	3/4	668.16	3/4	330.58	3/4	35.89	3/4	3/4	3/4	3/4	3/4	3/4
4	2,029.29	4	1,686.57	4	1,343.84	4	1,001.65	4	661.02	4	323.90	4	31.11	4	4	4	4	4	4
1/4	2,022.15	1/4	1,679.43	1/4	1,336.70	1/4	994.57	1/4	653.88	1/4	317.22	1/4	26.32	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,015.01	1/2	1,672.29	1/2	1,329.56	1/2	987.49	1/2	646.74	1/2	310.62	1/2	23.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,007.87	3/4	1,665.15	3/4	1,322.42	3/4	980.41	3/4	639.60	3/4	304.02	3/4	20.48	3/4	3/4	3/4	3/4	3/4	3/4
5	2,000.73	5	1,658.01	5	1,315.28	5	973.33	5	632.46	5	297.42	5	17.57	5	5	5	5	5	5
1/4	1,993.59	1/4	1,650.87	1/4	1,308.14	1/4	966.25	1/4	625.32	1/4	290.83	1/4	14.65	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,986.45	1/2	1,643.73	1/2	1,301.00	1/2	959.17	1/2	618.18	1/2	284.31	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,979.31	3/4	1,636.59	3/4	1,293.86	3/4	952.09	3/4	611.04	3/4	277.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,972.17	6	1,629.45	6	1,286.72	6	945.01	6	603.90	6	271.28	6	6	6	6	6	6	6	6
1/4	1,965.03	1/4	1,622.31	1/4	1,279.58	1/4	937.93	1/4	596.76	1/4	264.77	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,957.89	1/2	1,615.17	1/2	1,272.44	1/2	930.85	1/2	589.62	1/2	258.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,950.75	3/4	1,608.03	3/4	1,265.30	3/4	923.77	3/4	582.49	3/4	251.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,943.61	7	1,600.89	7	1,258.16	7	916.69	7	575.35	7	245.48	7	7	7	7	7	7	7	7
1/4	1,936.47	1/4	1,593.75	1/4	1,251.02	1/4	909.61	1/4	568.21	1/4	239.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,929.33	1/2	1,586.61	1/2	1,243.88	1/2	902.53	1/2	561.07	1/2	232.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,922.19	3/4	1,579.47	3/4	1,236.74	3/4	895.45	3/4	553.93	3/4	226.35	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,915.05	8	1,572.33	8	1,229.60	8	888.37	8	546.79	8	220.00	8	8	8	8	8	8	8	8
1/4	1,907.91	1/4	1,565.19	1/4	1,222.46	1/4	881.29	1/4	539.65	1/4	213.66	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,900.77	1/2	1,558.05	1/2	1,215.32	1/2	874.21	1/2	532.51	1/2	207.39	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,893.63	3/4	1,550.91	3/4	1,208.18	3/4	867.13	3/4	525.37	3/4	201.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,886.49	9	1,543.77	9	1,201.04	9	860.05	9	518.23	9	194.86	9	9	9	9	9	9	9	9
1/4	1,879.35	1/4	1,536.63	1/4	1,193.90	1/4	852.97	1/4	511.09	1/4	188.60	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,872.21	1/2	1,529.49	1/2	1,186.76	1/2	845.89	1/2	503.95	1/2	182.42	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,865.07	3/4	1,522.35	3/4	1,179.62	3/4	838.81	3/4	496.81	3/4	176.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,857.93	10	1,515.21	10	1,172.48	10	831.73	10	489.67	10	170.06	10	10	10	10	10	10	10	10
1/4	1,850.79	1/4	1,508.07	1/4	1,165.34	1/4	824.65	1/4	482.53	1/4	163.88	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,843.65	1/2	1,500.93	1/2	1,158.20	1/2	817.58	1/2	475.43	1/2	157.78	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,836.51	3/4	1,493.79	3/4	1,151.06	3/4	810.50	3/4	468.34	3/4	151.68	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,829.37	11	1,486.65	11	1,143.92	11	803.42	11	461.25	11	145.59	11	11	11	11	11	11	11	11
1/4	1,822.23	1/4	1,479.51	1/4	1,136.78	1/4	796.34	1/4	454.16	1/4	139.49	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,815.09	1/2	1,472.37	1/2	1,129.64	1/2	789.25	1/2	447.15	1/2	133.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,807.95	3/4	1,465.23	3/4	1,122.50	3/4	782.16	3/4	440.14	3/4	127.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
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Pearland, Texas 77588
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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

1 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,873.43	0	4,532.35	0	4,190.68	0	3,847.73	0	3,504.82	0	3,161.96	0	2,819.06	0	2,476.10
1/4		1/4		1/4	4,866.36	1/4	4,525.24	1/4	4,183.53	1/4	3,840.59	1/4	3,497.67	1/4	3,154.81	1/4	2,811.91	1/4	2,468.95
1/2		1/2		1/2	4,859.29	1/2	4,518.13	1/2	4,176.39	1/2	3,833.44	1/2	3,490.53	1/2	3,147.67	1/2	2,804.77	1/2	2,461.81
3/4		3/4		3/4	4,852.22	3/4	4,511.02	3/4	4,169.24	3/4	3,826.30	3/4	3,483.39	3/4	3,140.53	3/4	2,797.62	3/4	2,454.66
1		1		1	4,845.16	1	4,503.91	1	4,162.10	1	3,819.15	1	3,476.24	1	3,133.39	1	2,790.48	1	2,447.52
1/4		1/4		1/4	4,838.09	1/4	4,496.79	1/4	4,154.95	1/4	3,812.01	1/4	3,469.10	1/4	3,126.24	1/4	2,783.33	1/4	2,440.37
1/2		1/2		1/2	4,831.02	1/2	4,489.68	1/2	4,147.81	1/2	3,804.86	1/2	3,461.96	1/2	3,119.10	1/2	2,776.19	1/2	2,433.23
3/4		3/4		3/4	4,823.95	3/4	4,482.57	3/4	4,140.66	3/4	3,797.72	3/4	3,454.82	3/4	3,111.96	3/4	2,769.04	3/4	2,426.08
2		2		2	4,816.84	2	4,475.46	2	4,133.52	2	3,790.57	2	3,447.67	2	3,104.81	2	2,761.90	2	2,418.94
1/4		1/4		1/4	4,809.73	1/4	4,468.34	1/4	4,126.37	1/4	3,783.43	1/4	3,440.53	1/4	3,097.67	1/4	2,754.75	1/4	2,411.79
1/2		1/2		1/2	4,802.62	1/2	4,461.23	1/2	4,119.23	1/2	3,776.28	1/2	3,433.39	1/2	3,090.53	1/2	2,747.61	1/2	2,404.65
3/4		3/4		3/4	4,795.51	3/4	4,454.12	3/4	4,112.08	3/4	3,769.14	3/4	3,426.24	3/4	3,083.38	3/4	2,740.46	3/4	2,397.50
3		3		3	4,788.39	3	4,447.01	3	4,104.94	3	3,761.99	3	3,419.10	3	3,076.24	3	2,733.32	3	2,390.36
1/4		1/4		1/4	4,781.28	1/4	4,439.90	1/4	4,097.80	1/4	3,754.85	1/4	3,411.96	1/4	3,069.10	1/4	2,726.18	1/4	2,383.21
1/2		1/2		1/2	4,774.17	1/2	4,432.78	1/2	4,090.65	1/2	3,747.71	1/2	3,404.82	1/2	3,061.96	1/2	2,719.03	1/2	2,376.07
3/4		3/4		3/4	4,767.06	3/4	4,425.67	3/4	4,083.51	3/4	3,740.56	3/4	3,397.67	3/4	3,054.81	3/4	2,711.89	3/4	2,368.92
4		4		4	4,759.95	4	4,418.56	4	4,076.36	4	3,733.42	4	3,390.53	4	3,047.67	4	2,704.74	4	2,361.77
1/4		1/4		1/4	4,752.83	1/4	4,411.45	1/4	4,069.22	1/4	3,726.27	1/4	3,383.39	1/4	3,040.53	1/4	2,697.60	1/4	2,354.63
1/2		1/2		1/2	4,745.72	1/2	4,404.34	1/2	4,062.07	1/2	3,719.13	1/2	3,376.24	1/2	3,033.38	1/2	2,690.45	1/2	2,347.48
3/4		3/4		3/4	4,738.61	3/4	4,397.22	3/4	4,054.93	3/4	3,711.98	3/4	3,369.10	3/4	3,026.24	3/4	2,683.31	3/4	2,340.34
5		5		5	4,731.50	5	4,390.11	5	4,047.78	5	3,704.84	5	3,361.96	5	3,019.10	5	2,676.16	5	2,333.19
1/4		1/4		1/4	4,724.38	1/4	4,383.00	1/4	4,040.64	1/4	3,697.69	1/4	3,354.82	1/4	3,011.96	1/4	2,669.02	1/4	2,326.05
1/2		1/2		1/2	4,717.27	1/2	4,375.89	1/2	4,033.49	1/2	3,690.55	1/2	3,347.67	1/2	3,004.81	1/2	2,661.87	1/2	2,318.90
3/4		3/4		3/4	5,024.76	3/4	4,710.16	3/4	4,368.77	3/4	4,026.35	3/4	3,683.40	3/4	3,340.53	3/4	2,997.67	3/4	2,654.73
6		6		6	5,020.97	6	4,703.05	6	4,361.66	6	4,019.20	6	3,676.26	6	3,333.39	6	2,990.53	6	2,647.58
1/4		1/4		1/4	5,017.18	1/4	4,695.94	1/4	4,354.55	1/4	4,012.06	1/4	3,669.11	1/4	3,326.24	1/4	2,983.38	1/4	2,640.44
1/2		1/2		1/2	5,013.38	1/2	4,688.82	1/2	4,347.44	1/2	4,004.91	1/2	3,661.97	1/2	3,319.10	1/2	2,976.24	1/2	2,633.30
3/4		3/4		3/4	5,009.59	3/4	4,681.71	3/4	4,340.33	3/4	3,997.77	3/4	3,654.82	3/4	3,311.96	3/4	2,969.09	3/4	2,626.15
7		7		7	5,004.61	7	4,674.60	7	4,333.21	7	3,990.62	7	3,647.68	7	3,304.81	7	2,961.95	7	2,619.01
1/4		1/4		1/4	4,999.62	1/4	4,667.49	1/4	4,326.10	1/4	3,983.48	1/4	3,640.53	1/4	3,297.67	1/4	2,954.80	1/4	2,611.86
1/2		1/2		1/2	4,994.64	1/2	4,660.37	1/2	4,318.99	1/2	3,976.34	1/2	3,633.39	1/2	3,290.53	1/2	2,947.66	1/2	2,604.71
3/4		3/4		3/4	4,989.66	3/4	4,653.26	3/4	4,311.88	3/4	3,969.19	3/4	3,626.25	3/4	3,283.39	3/4	2,940.51	3/4	2,597.57
8		8		8	4,983.48	8	4,646.15	8	4,304.76	8	3,962.05	8	3,619.10	8	3,276.24	8	2,933.37	8	2,590.42
1/4		1/4		1/4	4,977.31	1/4	4,639.04	1/4	4,297.65	1/4	3,954.90	1/4	3,611.96	1/4	3,269.10	1/4	2,926.22	1/4	2,583.28
1/2		1/2		1/2	4,971.14	1/2	4,631.93	1/2	4,290.54	1/2	3,947.76	1/2	3,604.82	1/2	3,261.96	1/2	2,919.08	1/2	2,576.13
3/4		3/4		3/4	4,964.96	3/4	4,624.81	3/4	4,283.43	3/4	3,940.61	3/4	3,597.67	3/4	3,254.81	3/4	2,911.93	3/4	2,568.99
9		9		9	4,957.96	9	4,617.70	9	4,276.32	9	3,933.47	9	3,590.53	9	3,247.67	9	2,904.79	9	2,561.84
1/4		1/4		1/4	4,950.96	1/4	4,610.59	1/4	4,269.20	1/4	3,926.32	1/4	3,583.39	1/4	3,240.53	1/4	2,897.65	1/4	2,554.70
1/2		1/2		1/2	4,943.97	1/2	4,603.48	1/2	4,262.09	1/2	3,919.18	1/2	3,576.24	1/2	3,233.39	1/2	2,890.50	1/2	2,547.55
3/4		3/4		3/4	4,936.97	3/4	4,596.36	3/4	4,254.98	3/4	3,912.03	3/4	3,569.10	3/4	3,226.24	3/4	2,883.36	3/4	2,540.41
10		10		10	4,929.92	10	4,589.25	10	4,247.83	10	3,904.89	10	3,561.96	10	3,219.10	10	2,876.21	10	2,533.26
1/4		1/4		1/4	4,922.86	1/4	4,582.14	1/4	4,240.69	1/4	3,897.74	1/4	3,554.82	1/4	3,211.96	1/4	2,869.07	1/4	2,526.12
1/2		1/2		1/2	4,915.81	1/2	4,575.03	1/2	4,233.54	1/2	3,890.60	1/2	3,547.67	1/2	3,204.81	1/2	2,861.92	1/2	2,518.97
3/4		3/4		3/4	4,908.76	3/4	4,567.92	3/4	4,226.40	3/4	3,883.45	3/4	3,540.53	3/4	3,197.67	3/4	2,854.78	3/4	2,511.83
11		11		11	4,901.69	11	4,560.80	11	4,219.26	11	3,876.31	11	3,533.39	11	3,190.53	11	2,847.63	11	2,504.68
1/4		1/4		1/4	4,894.63	1/4	4,553.69	1/4	4,212.11	1/4	3,869.17	1/4	3,526.24	1/4	3,183.39	1/4	2,840.49	1/4	2,497.54
1/2		1/2		1/2	4,887.56	1/2	4,546.58	1/2	4,204.97	1/2	3,862.02	1/2	3,519.10	1/2	3,176.24	1/2	2,833.34	1/2	2,490.39
3/4		3/4		3/4	4,880.49	3/4	4,539.47	3/4	4,197.82	3/4	3,854.88	3/4	3,511.96	3/4	3,169.10	3/4	2,826.20	3/4	2,483.24

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

1 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,133.13	0	1,790.15	0	1,447.18	0	1,104.20	0	761.52	0	419.44	0	109.56	0		0		0	
1/4	2,125.98	1/4	1,783.01	1/4	1,440.03	1/4	1,097.06	1/4	754.38	1/4	412.50	1/4	103.63	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,118.83	1/2	1,775.86	1/2	1,432.89	1/2	1,089.91	1/2	747.23	1/2	405.57	1/2	97.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,111.69	3/4	1,768.71	3/4	1,425.74	3/4	1,082.77	3/4	740.09	3/4	398.63	3/4	91.77	3/4	3/4	3/4	3/4	3/4	3/4
1	2,104.54	1	1,761.57	1	1,418.60	1	1,075.62	1	732.94	1	391.78	1	85.93	1	1	1	1	1	1
1/4	2,097.40	1/4	1,754.42	1/4	1,411.45	1/4	1,068.48	1/4	725.80	1/4	384.92	1/4	80.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,090.25	1/2	1,747.28	1/2	1,404.30	1/2	1,061.33	1/2	718.65	1/2	378.07	1/2	74.25	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,083.11	3/4	1,740.13	3/4	1,397.16	3/4	1,054.18	3/4	711.51	3/4	371.22	3/4	68.41	3/4	3/4	3/4	3/4	3/4	3/4
2	2,075.96	2	1,732.99	2	1,390.01	2	1,047.04	2	704.36	2	364.45	2	62.68	2	2	2	2	2	2
1/4	2,068.82	1/4	1,725.84	1/4	1,382.87	1/4	1,039.90	1/4	697.22	1/4	357.68	1/4	56.95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,061.67	1/2	1,718.70	1/2	1,375.72	1/2	1,032.75	1/2	690.07	1/2	350.91	1/2	51.22	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,054.53	3/4	1,711.55	3/4	1,368.58	3/4	1,025.61	3/4	682.93	3/4	344.14	3/4	45.49	3/4	3/4	3/4	3/4	3/4	3/4
3	2,047.38	3	1,704.41	3	1,361.43	3	1,018.47	3	675.78	3	337.46	3	40.70	3	3	3	3	3	3
1/4	2,040.24	1/4	1,697.26	1/4	1,354.29	1/4	1,011.33	1/4	668.64	1/4	330.77	1/4	35.91	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,033.09	1/2	1,690.12	1/2	1,347.14	1/2	1,004.20	1/2	661.49	1/2	324.09	1/2	31.12	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,025.95	3/4	1,682.97	3/4	1,340.00	3/4	997.06	3/4	654.35	3/4	317.40	3/4	26.34	3/4	3/4	3/4	3/4	3/4	3/4
4	2,018.80	4	1,675.83	4	1,332.85	4	989.92	4	647.20	4	310.80	4	23.42	4	4	4	4	4	4
1/4	2,011.66	1/4	1,668.68	1/4	1,325.71	1/4	982.79	1/4	640.06	1/4	304.20	1/4	20.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,004.51	1/2	1,661.54	1/2	1,318.56	1/2	975.65	1/2	632.91	1/2	297.60	1/2	17.58	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,997.36	3/4	1,654.39	3/4	1,311.42	3/4	968.52	3/4	625.77	3/4	290.99	3/4	14.66	3/4	3/4	3/4	3/4	3/4	3/4
5	1,990.22	5	1,647.24	5	1,304.27	5	961.38	5	618.62	5	284.48	5		5	5	5	5	5	5
1/4	1,983.07	1/4	1,640.10	1/4	1,297.13	1/4	954.24	1/4	611.48	1/4	277.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,975.93	1/2	1,632.95	1/2	1,289.98	1/2	947.11	1/2	604.33	1/2	271.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,968.78	3/4	1,625.81	3/4	1,282.83	3/4	939.97	3/4	597.19	3/4	264.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,961.64	6	1,618.66	6	1,275.69	6	932.83	6	590.04	6	258.48	6		6	6	6	6	6	6
1/4	1,954.49	1/4	1,611.52	1/4	1,268.54	1/4	925.70	1/4	582.90	1/4	252.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,947.35	1/2	1,604.37	1/2	1,261.40	1/2	918.56	1/2	575.75	1/2	245.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,940.20	3/4	1,597.23	3/4	1,254.25	3/4	911.42	3/4	568.61	3/4	239.18	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,933.06	7	1,590.08	7	1,247.11	7	904.29	7	561.46	7	232.83	7		7	7	7	7	7	7
1/4	1,925.91	1/4	1,582.94	1/4	1,239.96	1/4	897.15	1/4	554.32	1/4	226.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,918.77	1/2	1,575.79	1/2	1,232.82	1/2	890.02	1/2	547.17	1/2	220.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,911.62	3/4	1,568.65	3/4	1,225.67	3/4	882.88	3/4	540.03	3/4	213.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,904.48	8	1,561.50	8	1,218.53	8	875.74	8	532.88	8	207.51	8		8	8	8	8	8	8
1/4	1,897.33	1/4	1,554.36	1/4	1,211.38	1/4	868.61	1/4	525.74	1/4	201.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,890.18	1/2	1,547.21	1/2	1,204.24	1/2	861.47	1/2	518.59	1/2	194.97	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,883.04	3/4	1,540.07	3/4	1,197.09	3/4	854.33	3/4	511.45	3/4	188.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,875.89	9	1,532.92	9	1,189.95	9	847.20	9	504.30	9	182.52	9		9	9	9	9	9	9
1/4	1,868.75	1/4	1,525.77	1/4	1,182.80	1/4	840.06	1/4	497.16	1/4	176.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,861.60	1/2	1,518.63	1/2	1,175.65	1/2	832.93	1/2	490.01	1/2	170.15	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,854.46	3/4	1,511.48	3/4	1,168.51	3/4	825.79	3/4	482.87	3/4	163.97	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,847.31	10	1,504.34	10	1,161.36	10	818.65	10	475.76	10	157.87	10		10	10	10	10	10	10
1/4	1,840.17	1/4	1,497.19	1/4	1,154.22	1/4	811.52	1/4	468.66	1/4	151.77	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,833.02	1/2	1,490.05	1/2	1,147.07	1/2	804.38	1/2	461.56	1/2	145.67	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,825.88	3/4	1,482.90	3/4	1,139.93	3/4	797.24	3/4	454.45	3/4	139.56	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,818.73	11	1,475.76	11	1,132.78	11	790.10	11	447.43	11	133.55	11		11	11	11	11	11	11
1/4	1,811.59	1/4	1,468.61	1/4	1,125.64	1/4	782.96	1/4	440.41	1/4	127.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,804.44	1/2	1,461.47	1/2	1,118.49	1/2	775.81	1/2	433.39	1/2	121.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,797.30	3/4	1,454.32	3/4	1,111.35	3/4	768.67	3/4	426.37	3/4	115.50	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

2 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,947.62	0	4,606.28	0	4,264.29	0	3,920.93	0	3,577.56	0	3,234.20	0	2,890.79	0	2,547.32
1/4		1/4		1/4	4,940.55	1/4	4,599.16	1/4	4,257.14	1/4	3,913.77	1/4	3,570.41	1/4	3,227.05	1/4	2,883.63	1/4	2,540.16
1/2		1/2		1/2	4,933.48	1/2	4,592.04	1/2	4,249.98	1/2	3,906.62	1/2	3,563.26	1/2	3,219.89	1/2	2,876.48	1/2	2,533.01
3/4		3/4		3/4	4,926.40	3/4	4,584.92	3/4	4,242.83	3/4	3,899.47	3/4	3,556.10	3/4	3,212.74	3/4	2,869.32	3/4	2,525.85
1		1		1	4,919.32	1	4,577.80	1	4,235.68	1	3,892.31	1	3,548.95	1	3,205.59	1	2,862.17	1	2,518.70
1/4		1/4		1/4	4,912.25	1/4	4,570.68	1/4	4,228.52	1/4	3,885.16	1/4	3,541.80	1/4	3,198.43	1/4	2,855.01	1/4	2,511.54
1/2		1/2		1/2	4,905.17	1/2	4,563.55	1/2	4,221.37	1/2	3,878.01	1/2	3,534.64	1/2	3,191.28	1/2	2,847.85	1/2	2,504.39
3/4		3/4		3/4	4,898.09	3/4	4,556.43	3/4	4,214.22	3/4	3,870.85	3/4	3,527.49	3/4	3,184.13	3/4	2,840.70	3/4	2,497.23
2		2		2	4,891.02	2	4,549.31	2	4,207.06	2	3,863.70	2	3,520.34	2	3,176.97	2	2,833.54	2	2,490.07
1/4		1/4		1/4	4,883.94	1/4	4,542.19	1/4	4,199.91	1/4	3,856.55	1/4	3,513.18	1/4	3,169.82	1/4	2,826.39	1/4	2,482.92
1/2		1/2		1/2	4,876.87	1/2	4,535.07	1/2	4,192.76	1/2	3,849.39	1/2	3,506.03	1/2	3,162.67	1/2	2,819.23	1/2	2,475.76
3/4		3/4		3/4	4,869.74	3/4	4,527.95	3/4	4,185.60	3/4	3,842.24	3/4	3,498.88	3/4	3,155.51	3/4	2,812.08	3/4	2,468.61
3		3		3	4,862.62	3	4,520.83	3	4,178.45	3	3,835.09	3	3,491.72	3	3,148.36	3	2,804.92	3	2,461.45
1/4		1/4		1/4	4,855.50	1/4	4,513.71	1/4	4,171.29	1/4	3,827.93	1/4	3,484.57	1/4	3,141.21	1/4	2,797.77	1/4	2,454.30
1/2		1/2		1/2	4,848.38	1/2	4,506.59	1/2	4,164.14	1/2	3,820.78	1/2	3,477.42	1/2	3,134.05	1/2	2,790.61	1/2	2,447.14
3/4		3/4		3/4	4,841.26	3/4	4,499.47	3/4	4,156.99	3/4	3,813.62	3/4	3,470.26	3/4	3,126.90	3/4	2,783.45	3/4	2,439.99
4		4		4	4,834.14	4	4,492.35	4	4,149.83	4	3,806.47	4	3,463.11	4	3,119.75	4	2,776.30	4	2,432.83
1/4		1/4		1/4	4,827.02	1/4	4,485.23	1/4	4,142.68	1/4	3,799.32	1/4	3,455.95	1/4	3,112.59	1/4	2,769.14	1/4	2,425.67
1/2		1/2		1/2	4,819.90	1/2	4,478.11	1/2	4,135.53	1/2	3,792.16	1/2	3,448.80	1/2	3,105.44	1/2	2,761.99	1/2	2,418.52
3/4		3/4		3/4	4,812.78	3/4	4,470.99	3/4	4,128.37	3/4	3,785.01	3/4	3,441.65	3/4	3,098.28	3/4	2,754.83	3/4	2,411.36
5		5		5	4,805.66	5	4,463.86	5	4,121.22	5	3,777.86	5	3,434.49	5	3,091.13	5	2,747.68	5	2,404.21
1/4		1/4		1/4	4,798.54	1/4	4,456.74	1/4	4,114.07	1/4	3,770.70	1/4	3,427.34	1/4	3,083.98	1/4	2,740.52	1/4	2,397.05
1/2		1/2		1/2	4,791.42	1/2	4,449.62	1/2	4,106.91	1/2	3,763.55	1/2	3,420.19	1/2	3,076.82	1/2	2,733.36	1/2	2,389.90
3/4		3/4		3/4	4,784.30	3/4	4,442.50	3/4	4,099.76	3/4	3,756.40	3/4	3,413.03	3/4	3,069.67	3/4	2,726.21	3/4	2,382.74
6		6		6	4,777.18	6	4,435.38	6	4,092.61	6	3,749.24	6	3,405.88	6	3,062.52	6	2,719.05	6	2,375.58
1/4		1/4		1/4	4,770.06	1/4	4,428.26	1/4	4,085.45	1/4	3,742.09	1/4	3,398.73	1/4	3,055.36	1/4	2,711.90	1/4	2,368.43
1/2		1/2		1/2	5,077.91	1/2	4,762.93	1/2	4,421.14	1/2	4,078.30	1/2	3,734.94	1/2	3,391.57	1/2	3,048.21	1/2	2,704.74
3/4		3/4		3/4	5,074.11	3/4	4,755.81	3/4	4,414.02	3/4	4,071.15	3/4	3,727.78	3/4	3,384.42	3/4	3,041.06	3/4	2,697.59
7		7		7	5,070.32	7	4,748.69	7	4,406.90	7	4,063.99	7	3,720.63	7	3,377.27	7	3,033.90	7	2,690.43
1/4		1/4		1/4	5,066.52	1/4	4,741.57	1/4	4,399.78	1/4	4,056.84	1/4	3,713.48	1/4	3,370.11	1/4	3,026.74	1/4	2,683.28
1/2		1/2		1/2	5,062.72	1/2	4,734.45	1/2	4,392.66	1/2	4,049.69	1/2	3,706.32	1/2	3,362.96	1/2	3,019.59	1/2	2,676.12
3/4		3/4		3/4	5,057.74	3/4	4,727.33	3/4	4,385.54	3/4	4,042.53	3/4	3,699.17	3/4	3,355.81	3/4	3,012.43	3/4	2,668.96
8		8		8	5,052.75	8	4,720.21	8	4,378.42	8	4,035.38	8	3,692.02	8	3,348.65	8	3,005.28	8	2,661.81
1/4		1/4		1/4	5,047.76	1/4	4,713.09	1/4	4,371.30	1/4	4,028.23	1/4	3,684.86	1/4	3,341.50	1/4	2,998.12	1/4	2,654.65
1/2		1/2		1/2	5,042.77	1/2	4,705.97	1/2	4,364.18	1/2	4,021.07	1/2	3,677.71	1/2	3,334.35	1/2	2,990.97	1/2	2,647.50
3/4		3/4		3/4	5,036.59	3/4	4,698.85	3/4	4,357.05	3/4	4,013.92	3/4	3,670.56	3/4	3,327.19	3/4	2,983.81	3/4	2,640.34
9		9		9	5,030.41	9	4,691.73	9	4,349.93	9	4,006.77	9	3,663.40	9	3,320.04	9	2,976.66	9	2,633.19
1/4		1/4		1/4	5,024.22	1/4	4,684.61	1/4	4,342.81	1/4	3,999.61	1/4	3,656.25	1/4	3,312.89	1/4	2,969.50	1/4	2,626.03
1/2		1/2		1/2	5,018.04	1/2	4,677.49	1/2	4,335.69	1/2	3,992.46	1/2	3,649.10	1/2	3,305.73	1/2	2,962.34	1/2	2,618.88
3/4		3/4		3/4	5,011.04	3/4	4,670.37	3/4	4,328.57	3/4	3,985.31	3/4	3,641.94	3/4	3,298.58	3/4	2,955.19	3/4	2,611.72
10		10		10	5,004.03	10	4,663.24	10	4,321.45	10	3,978.15	10	3,634.79	10	3,291.43	10	2,948.03	10	2,604.56
1/4		1/4		1/4	4,997.02	1/4	4,656.12	1/4	4,314.33	1/4	3,971.00	1/4	3,627.64	1/4	3,284.27	1/4	2,940.88	1/4	2,597.41
1/2		1/2		1/2	4,990.01	1/2	4,649.00	1/2	4,307.21	1/2	3,963.85	1/2	3,620.48	1/2	3,277.12	1/2	2,933.72	1/2	2,590.25
3/4		3/4		3/4	4,982.95	3/4	4,641.88	3/4	4,300.06	3/4	3,956.69	3/4	3,613.33	3/4	3,269.97	3/4	2,926.57	3/4	2,583.10
11		11		11	4,975.89	11	4,634.76	11	4,292.90	11	3,949.54	11	3,606.18	11	3,262.81	11	2,919.41	11	2,575.94
1/4		1/4		1/4	4,968.83	1/4	4,627.64	1/4	4,285.75	1/4	3,942.39	1/4	3,599.02	1/4	3,255.66	1/4	2,912.25	1/4	2,568.79
1/2		1/2		1/2	4,961.77	1/2	4,620.52	1/2	4,278.60	1/2	3,935.23	1/2	3,591.87	1/2	3,248.51	1/2	2,905.10	1/2	2,561.63
3/4		3/4		3/4	4,954.70	3/4	4,613.40	3/4	4,271.44	3/4	3,928.08	3/4	3,584.72	3/4	3,241.35	3/4	2,897.94	3/4	2,554.47

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

2 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-05 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,203.85	0	1,860.38	0	1,516.91	0	1,173.44	0	842.76	0	501.03	0	157.58	0		0		0	
1/4	2,196.69	1/4	1,853.23	1/4	1,509.76	1/4	1,166.29	1/4	835.90	1/4	493.87	1/4	150.43	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,189.54	1/2	1,846.07	1/2	1,502.60	1/2	1,159.13	1/2	829.05	1/2	486.72	1/2	143.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,182.38	3/4	1,838.91	3/4	1,495.45	3/4	1,151.98	3/4	822.17	3/4	479.56	3/4	136.12	3/4	3/4	3/4	3/4	3/4	3/4
1	2,175.23	1	1,831.76	1	1,488.29	1	1,144.82	1	815.30	1	472.41	1	128.96	1	1	1	1	1	1
1/4	2,168.07	1/4	1,824.60	1/4	1,481.13	1/4	1,137.67	1/4	808.42	1/4	465.25	1/4	121.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,160.92	1/2	1,817.45	1/2	1,473.98	1/2	1,130.51	1/2	801.55	1/2	458.10	1/2	114.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,153.76	3/4	1,810.29	3/4	1,466.82	3/4	1,123.64	3/4	794.39	3/4	450.94	3/4	107.51	3/4	3/4	3/4	3/4	3/4	3/4
2	2,146.61	2	1,803.14	2	1,459.67	2	1,116.76	2	787.24	2	443.79	2	100.36	2	2	2	2	2	2
1/4	2,139.45	1/4	1,795.98	1/4	1,452.51	1/4	1,109.89	1/4	780.08	1/4	436.63	1/4	93.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,132.29	1/2	1,788.83	1/2	1,445.36	1/2	1,103.02	1/2	772.93	1/2	429.48	1/2	86.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,125.14	3/4	1,781.67	3/4	1,438.20	3/4	1,096.16	3/4	765.77	3/4	422.32	3/4	78.96	3/4	3/4	3/4	3/4	3/4	3/4
3	2,117.98	3	1,774.51	3	1,431.05	3	1,089.31	3	758.62	3	415.17	3	71.84	3	3	3	3	3	3
1/4	2,110.83	1/4	1,767.36	1/4	1,423.89	1/4	1,082.45	1/4	751.46	1/4	408.01	1/4	64.72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,103.67	1/2	1,760.20	1/2	1,416.73	1/2	1,075.60	1/2	744.31	1/2	400.86	1/2	57.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,096.52	3/4	1,753.05	3/4	1,409.58	3/4	1,068.75	3/4	737.15	3/4	393.70	3/4	51.34	3/4	3/4	3/4	3/4	3/4	3/4
4	2,089.36	4	1,745.89	4	1,402.42	4	1,061.90	4	730.00	4	386.55	4	45.08	4	4	4	4	4	4
1/4	2,082.21	1/4	1,738.74	1/4	1,395.27	1/4	1,055.05	1/4	722.84	1/4	379.39	1/4	38.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,075.05	1/2	1,731.58	1/2	1,388.11	1/2	1,048.20	1/2	715.69	1/2	372.24	1/2	32.56	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,067.89	3/4	1,724.43	3/4	1,380.96	3/4	1,041.36	3/4	708.53	3/4	365.08	3/4	28.09	3/4	3/4	3/4	3/4	3/4	3/4
5	2,060.74	5	1,717.27	5	1,373.80	5	1,034.51	5	701.38	5	357.93	5	23.62	5	5	5	5	5	5
1/4	2,053.58	1/4	1,710.11	1/4	1,366.65	1/4	1,027.66	1/4	694.22	1/4	350.77	1/4	19.15	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,046.43	1/2	1,702.96	1/2	1,359.49	1/2	1,020.81	1/2	687.07	1/2	343.62	1/2	14.68	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,039.27	3/4	1,695.80	3/4	1,352.33	3/4	1,013.96	3/4	679.91	3/4	336.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,032.12	6	1,688.65	6	1,345.18	6	1,007.12	6	672.75	6	329.31	6		6	6	6	6	6	6
1/4	2,024.96	1/4	1,681.49	1/4	1,338.02	1/4	1,000.27	1/4	665.60	1/4	322.15	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,017.80	1/2	1,674.34	1/2	1,330.87	1/2	993.42	1/2	658.44	1/2	314.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,010.65	3/4	1,667.18	3/4	1,323.71	3/4	986.57	3/4	651.29	3/4	307.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,003.49	7	1,660.02	7	1,316.56	7	979.73	7	644.13	7	300.68	7		7	7	7	7	7	7
1/4	1,996.34	1/4	1,652.87	1/4	1,309.40	1/4	972.88	1/4	636.98	1/4	293.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,989.18	1/2	1,645.71	1/2	1,302.24	1/2	966.03	1/2	629.82	1/2	286.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,982.03	3/4	1,638.56	3/4	1,295.09	3/4	959.18	3/4	622.67	3/4	279.22	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,974.87	8	1,631.40	8	1,287.93	8	952.33	8	615.51	8	272.06	8		8	8	8	8	8	8
1/4	1,967.72	1/4	1,624.25	1/4	1,280.78	1/4	945.49	1/4	608.36	1/4	264.91	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,960.56	1/2	1,617.09	1/2	1,273.62	1/2	938.64	1/2	601.20	1/2	257.75	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,953.40	3/4	1,609.94	3/4	1,266.47	3/4	931.79	3/4	594.05	3/4	250.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,946.25	9	1,602.78	9	1,259.31	9	924.94	9	586.89	9	243.44	9		9	9	9	9	9	9
1/4	1,939.09	1/4	1,595.62	1/4	1,252.16	1/4	918.10	1/4	579.74	1/4	236.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,931.94	1/2	1,588.47	1/2	1,245.00	1/2	911.25	1/2	572.58	1/2	229.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,924.78	3/4	1,581.31	3/4	1,237.84	3/4	904.40	3/4	565.43	3/4	221.98	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,917.63	10	1,574.16	10	1,230.69	10	897.55	10	558.27	10	214.82	10		10	10	10	10	10	10
1/4	1,910.47	1/4	1,567.00	1/4	1,223.53	1/4	890.71	1/4	551.12	1/4	207.67	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,903.32	1/2	1,559.85	1/2	1,216.38	1/2	883.86	1/2	543.96	1/2	200.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,896.16	3/4	1,552.69	3/4	1,209.22	3/4	877.01	3/4	536.81	3/4	193.36	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,889.00	11	1,545.54	11	1,202.07	11	870.16	11	529.65	11	186.20	11		11	11	11	11	11	11
1/4	1,881.85	1/4	1,538.38	1/4	1,194.91	1/4	863.32	1/4	522.50	1/4	179.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,874.69	1/2	1,531.22	1/2	1,187.76	1/2	856.47	1/2	515.34	1/2	171.89	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,867.54	3/4	1,524.07	3/4	1,180.60	3/4	849.61	3/4	508.19	3/4	164.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

2 STBD
ULLAGE TABLE

HERMETIC
GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,942.14	0	4,601.00	0	4,259.24	0	3,916.17	0	3,573.13	0	3,230.16	0	2,887.14	0	2,544.07
1/4		1/4		1/4	4,935.07	1/4	4,593.89	1/4	4,252.09	1/4	3,909.02	1/4	3,565.99	1/4	3,223.02	1/4	2,880.00	1/4	2,536.93
1/2		1/2		1/2	4,928.00	1/2	4,586.77	1/2	4,244.95	1/2	3,901.88	1/2	3,558.84	1/2	3,215.87	1/2	2,872.85	1/2	2,529.78
3/4		3/4		3/4	4,920.93	3/4	4,579.66	3/4	4,237.80	3/4	3,894.73	3/4	3,551.70	3/4	3,208.73	3/4	2,865.70	3/4	2,522.63
1		1		1	4,913.86	1	4,572.54	1	4,230.65	1	3,887.58	1	3,544.55	1	3,201.58	1	2,858.55	1	2,515.48
1/4		1/4		1/4	4,906.79	1/4	4,565.43	1/4	4,223.50	1/4	3,880.43	1/4	3,537.41	1/4	3,194.44	1/4	2,851.41	1/4	2,508.34
1/2		1/2		1/2	4,899.73	1/2	4,558.31	1/2	4,216.36	1/2	3,873.29	1/2	3,530.26	1/2	3,187.29	1/2	2,844.26	1/2	2,501.19
3/4		3/4		3/4	4,892.66	3/4	4,551.20	3/4	4,209.21	3/4	3,866.14	3/4	3,523.12	3/4	3,180.15	3/4	2,837.11	3/4	2,494.04
2		2		2	4,885.59	2	4,544.09	2	4,202.06	2	3,858.99	2	3,515.97	2	3,173.00	2	2,829.96	2	2,486.89
1/4		1/4		1/4	4,878.47	1/4	4,536.97	1/4	4,194.91	1/4	3,851.84	1/4	3,508.83	1/4	3,165.86	1/4	2,822.82	1/4	2,479.75
1/2		1/2		1/2	4,871.36	1/2	4,529.86	1/2	4,187.77	1/2	3,844.70	1/2	3,501.68	1/2	3,158.71	1/2	2,815.67	1/2	2,472.60
3/4		3/4		3/4	4,864.24	3/4	4,522.74	3/4	4,180.62	3/4	3,837.55	3/4	3,494.54	3/4	3,151.57	3/4	2,808.52	3/4	2,465.45
3		3		3	4,857.13	3	4,515.63	3	4,173.47	3	3,830.40	3	3,487.39	3	3,144.42	3	2,801.38	3	2,458.31
1/4		1/4		1/4	4,850.01	1/4	4,508.51	1/4	4,166.33	1/4	3,823.25	1/4	3,480.25	1/4	3,137.28	1/4	2,794.23	1/4	2,451.16
1/2		1/2		1/2	4,842.90	1/2	4,501.40	1/2	4,159.18	1/2	3,816.11	1/2	3,473.10	1/2	3,130.13	1/2	2,787.08	1/2	2,444.01
3/4		3/4		3/4	4,835.78	3/4	4,494.28	3/4	4,152.03	3/4	3,808.96	3/4	3,465.95	3/4	3,122.99	3/4	2,779.93	3/4	2,436.86
4		4		4	4,828.67	4	4,487.17	4	4,144.88	4	3,801.81	4	3,458.81	4	3,115.84	4	2,772.79	4	2,429.72
1/4		1/4		1/4	4,821.56	1/4	4,480.05	1/4	4,137.74	1/4	3,794.67	1/4	3,451.66	1/4	3,108.69	1/4	2,765.64	1/4	2,422.57
1/2		1/2		1/2	4,814.44	1/2	4,472.94	1/2	4,130.59	1/2	3,787.52	1/2	3,444.52	1/2	3,101.55	1/2	2,758.49	1/2	2,415.42
3/4		3/4		3/4	4,807.33	3/4	4,465.83	3/4	4,123.44	3/4	3,780.37	3/4	3,437.37	3/4	3,094.40	3/4	2,751.34	3/4	2,408.27
5		5		5	4,800.21	5	4,458.71	5	4,116.29	5	3,773.22	5	3,430.23	5	3,087.26	5	2,744.20	5	2,401.13
1/4		1/4		1/4	4,793.10	1/4	4,451.60	1/4	4,109.15	1/4	3,766.08	1/4	3,423.08	1/4	3,080.11	1/4	2,737.05	1/4	2,393.98
1/2		1/2		1/2	4,785.98	1/2	4,444.48	1/2	4,102.00	1/2	3,758.93	1/2	3,415.94	1/2	3,072.97	1/2	2,729.90	1/2	2,386.83
3/4		3/4		3/4	4,778.87	3/4	4,437.37	3/4	4,094.85	3/4	3,751.78	3/4	3,408.79	3/4	3,065.82	3/4	2,722.76	3/4	2,379.68
6		6	5,086.46	6	4,771.75	6	4,430.25	6	4,087.70	6	3,744.63	6	3,401.65	6	3,058.68	6	2,715.61	6	2,372.54
1/4		1/4	5,082.67	1/4	4,764.64	1/4	4,423.14	1/4	4,080.56	1/4	3,737.49	1/4	3,394.50	1/4	3,051.53	1/4	2,708.46	1/4	2,365.39
1/2		1/2	5,078.87	1/2	4,757.52	1/2	4,416.02	1/2	4,073.41	1/2	3,730.34	1/2	3,387.36	1/2	3,044.38	1/2	2,701.31	1/2	2,358.24
3/4		3/4	5,075.08	3/4	4,750.41	3/4	4,408.91	3/4	4,066.26	3/4	3,723.19	3/4	3,380.21	3/4	3,037.24	3/4	2,694.17	3/4	2,351.10
7		7	5,071.28	7	4,743.29	7	4,401.79	7	4,059.12	7	3,716.05	7	3,373.07	7	3,030.09	7	2,687.02	7	2,343.95
1/4		1/4	5,066.30	1/4	4,736.18	1/4	4,394.68	1/4	4,051.97	1/4	3,708.90	1/4	3,365.92	1/4	3,022.94	1/4	2,679.87	1/4	2,336.80
1/2		1/2	5,061.31	1/2	4,729.07	1/2	4,387.56	1/2	4,044.82	1/2	3,701.75	1/2	3,358.78	1/2	3,015.79	1/2	2,672.72	1/2	2,329.65
3/4		3/4	5,056.33	3/4	4,721.95	3/4	4,380.45	3/4	4,037.67	3/4	3,694.60	3/4	3,351.63	3/4	3,008.65	3/4	2,665.58	3/4	2,322.51
8		8	5,051.34	8	4,714.84	8	4,373.34	8	4,030.53	8	3,687.46	8	3,344.49	8	3,001.50	8	2,658.43	8	2,315.36
1/4		1/4	5,045.17	1/4	4,707.72	1/4	4,366.22	1/4	4,023.38	1/4	3,680.31	1/4	3,337.34	1/4	2,994.35	1/4	2,651.28	1/4	2,308.21
1/2		1/2	5,038.99	1/2	4,700.61	1/2	4,359.11	1/2	4,016.23	1/2	3,673.17	1/2	3,330.20	1/2	2,987.21	1/2	2,644.14	1/2	2,301.06
3/4		3/4	5,032.82	3/4	4,693.49	3/4	4,351.99	3/4	4,009.08	3/4	3,666.02	3/4	3,323.05	3/4	2,980.06	3/4	2,636.99	3/4	2,293.92
9		9	5,026.64	9	4,686.38	9	4,344.88	9	4,001.94	9	3,658.88	9	3,315.91	9	2,972.91	9	2,629.84	9	2,286.77
1/4		1/4	5,019.64	1/4	4,679.26	1/4	4,337.76	1/4	3,994.79	1/4	3,651.73	1/4	3,308.76	1/4	2,965.76	1/4	2,622.69	1/4	2,279.62
1/2		1/2	5,012.64	1/2	4,672.15	1/2	4,330.65	1/2	3,987.64	1/2	3,644.58	1/2	3,301.62	1/2	2,958.62	1/2	2,615.55	1/2	2,272.48
3/4		3/4	5,005.64	3/4	4,665.03	3/4	4,323.53	3/4	3,980.50	3/4	3,637.44	3/4	3,294.47	3/4	2,951.47	3/4	2,608.40	3/4	2,265.33
10		10	4,998.64	10	4,657.92	10	4,316.42	10	3,973.35	10	3,630.29	10	3,287.32	10	2,944.32	10	2,601.25	10	2,258.18
1/4		1/4	4,991.58	1/4	4,650.80	1/4	4,309.27	1/4	3,966.20	1/4	3,623.15	1/4	3,280.18	1/4	2,937.17	1/4	2,594.10	1/4	2,251.03
1/2		1/2	4,984.53	1/2	4,643.69	1/2	4,302.12	1/2	3,959.05	1/2	3,616.00	1/2	3,273.03	1/2	2,930.03	1/2	2,586.96	1/2	2,243.89
3/4		3/4	4,977.47	3/4	4,636.58	3/4	4,294.98	3/4	3,951.91	3/4	3,608.86	3/4	3,265.89	3/4	2,922.88	3/4	2,579.81	3/4	2,236.74
11		11	4,970.41	11	4,629.46	11	4,287.83	11	3,944.76	11	3,601.71	11	3,258.74	11	2,915.73	11	2,572.66	11	2,229.59
1/4		1/4	4,963.35	1/4	4,622.35	1/4	4,280.68	1/4	3,937.61	1/4	3,594.57	1/4	3,251.60	1/4	2,908.59	1/4	2,565.51	1/4	2,222.44
1/2		1/2	4,956.28	1/2	4,615.23	1/2	4,273.53	1/2	3,930.46	1/2	3,587.42	1/2	3,244.45	1/2	2,901.44	1/2	2,558.37	1/2	2,215.30
3/4		3/4	4,949.21	3/4	4,608.12	3/4	4,266.39	3/4	3,923.32	3/4	3,580.28	3/4	3,237.31	3/4	2,894.29	3/4	2,551.22	3/4	2,208.15

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

2 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,201.00	0	1,857.93	0	1,514.86	0	1,171.79	0	829.22	0	486.16	0	143.10	0		0		0	
1/4	2,193.86	1/4	1,850.78	1/4	1,507.71	1/4	1,164.64	1/4	822.07	1/4	479.01	1/4	135.96	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,186.71	1/2	1,843.64	1/2	1,500.57	1/2	1,157.50	1/2	814.92	1/2	471.87	1/2	128.81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,179.56	3/4	1,836.49	3/4	1,493.42	3/4	1,150.35	3/4	807.77	3/4	464.72	3/4	121.67	3/4	3/4	3/4	3/4	3/4	3/4
1	2,172.41	1	1,829.34	1	1,486.27	1	1,143.20	1	800.63	1	457.57	1	114.52	1	1	1	1	1	1
1/4	2,165.27	1/4	1,822.20	1/4	1,479.13	1/4	1,136.05	1/4	793.48	1/4	450.42	1/4	107.38	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,158.12	1/2	1,815.05	1/2	1,471.98	1/2	1,128.91	1/2	786.33	1/2	443.28	1/2	100.25	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,150.97	3/4	1,807.90	3/4	1,464.83	3/4	1,121.76	3/4	779.19	3/4	436.13	3/4	93.11	3/4	3/4	3/4	3/4	3/4	3/4
2	2,143.82	2	1,800.75	2	1,457.68	2	1,114.61	2	772.04	2	428.98	2	85.97	2	2	2	2	2	2
1/4	2,136.68	1/4	1,793.61	1/4	1,450.54	1/4	1,107.47	1/4	764.89	1/4	421.84	1/4	78.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,129.53	1/2	1,786.46	1/2	1,443.39	1/2	1,100.33	1/2	757.75	1/2	414.69	1/2	71.75	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,122.38	3/4	1,779.31	3/4	1,436.24	3/4	1,093.19	3/4	750.60	3/4	407.54	3/4	64.64	3/4	3/4	3/4	3/4	3/4	3/4
3	2,115.23	3	1,772.16	3	1,429.09	3	1,086.05	3	743.45	3	400.40	3	57.53	3	3	3	3	3	3
1/4	2,108.09	1/4	1,765.02	1/4	1,421.95	1/4	1,078.91	1/4	736.30	1/4	393.25	1/4	51.28	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,100.94	1/2	1,757.87	1/2	1,414.80	1/2	1,071.78	1/2	729.16	1/2	386.10	1/2	45.03	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,093.79	3/4	1,750.72	3/4	1,407.65	3/4	1,064.65	3/4	722.01	3/4	378.95	3/4	38.78	3/4	3/4	3/4	3/4	3/4	3/4
4	2,086.65	4	1,743.58	4	1,400.50	4	1,057.51	4	714.86	4	371.81	4	32.52	4	4	4	4	4	4
1/4	2,079.50	1/4	1,736.43	1/4	1,393.36	1/4	1,050.38	1/4	707.72	1/4	364.66	1/4	28.06	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,072.35	1/2	1,729.28	1/2	1,386.21	1/2	1,043.25	1/2	700.57	1/2	357.51	1/2	23.59	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,065.20	3/4	1,722.13	3/4	1,379.06	3/4	1,036.11	3/4	693.42	3/4	350.37	3/4	19.12	3/4	3/4	3/4	3/4	3/4	3/4
5	2,058.06	5	1,714.99	5	1,371.92	5	1,028.98	5	686.28	5	343.22	5	14.66	5	5	5	5	5	5
1/4	2,050.91	1/4	1,707.84	1/4	1,364.77	1/4	1,021.85	1/4	679.13	1/4	336.07	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,043.76	1/2	1,700.69	1/2	1,357.62	1/2	1,014.71	1/2	671.98	1/2	328.93	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,036.61	3/4	1,693.54	3/4	1,350.47	3/4	1,007.58	3/4	664.83	3/4	321.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,029.47	6	1,686.40	6	1,343.33	6	1,000.45	6	657.69	6	314.63	6	6	6	6	6	6	6	6
1/4	2,022.32	1/4	1,679.25	1/4	1,336.18	1/4	993.31	1/4	650.54	1/4	307.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,015.17	1/2	1,672.10	1/2	1,329.03	1/2	986.18	1/2	643.39	1/2	300.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,008.03	3/4	1,664.95	3/4	1,321.88	3/4	979.05	3/4	636.25	3/4	293.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	2,000.88	7	1,657.81	7	1,314.74	7	971.91	7	629.10	7	286.04	7	7	7	7	7	7	7	7
1/4	1,993.73	1/4	1,650.66	1/4	1,307.59	1/4	964.78	1/4	621.95	1/4	278.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,986.58	1/2	1,643.51	1/2	1,300.44	1/2	957.65	1/2	614.81	1/2	271.75	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,979.44	3/4	1,636.37	3/4	1,293.30	3/4	950.51	3/4	607.66	3/4	264.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,972.29	8	1,629.22	8	1,286.15	8	943.38	8	600.51	8	257.46	8	8	8	8	8	8	8	8
1/4	1,965.14	1/4	1,622.07	1/4	1,279.00	1/4	936.25	1/4	593.36	1/4	250.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,957.99	1/2	1,614.92	1/2	1,271.85	1/2	929.12	1/2	586.22	1/2	243.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,950.85	3/4	1,607.78	3/4	1,264.71	3/4	921.98	3/4	579.07	3/4	236.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,943.70	9	1,600.63	9	1,257.56	9	914.85	9	571.92	9	228.87	9	9	9	9	9	9	9	9
1/4	1,936.55	1/4	1,593.48	1/4	1,250.41	1/4	907.72	1/4	564.78	1/4	221.72	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,929.41	1/2	1,586.33	1/2	1,243.26	1/2	900.58	1/2	557.63	1/2	214.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,922.26	3/4	1,579.19	3/4	1,236.12	3/4	893.45	3/4	550.48	3/4	207.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,915.11	10	1,572.04	10	1,228.97	10	886.32	10	543.34	10	200.28	10	10	10	10	10	10	10	10
1/4	1,907.96	1/4	1,564.89	1/4	1,221.82	1/4	879.18	1/4	536.19	1/4	193.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,900.82	1/2	1,557.75	1/2	1,214.68	1/2	872.05	1/2	529.04	1/2	185.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,893.67	3/4	1,550.60	3/4	1,207.53	3/4	864.92	3/4	521.89	3/4	178.84	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,886.52	11	1,543.45	11	1,200.38	11	857.79	11	514.75	11	171.69	11	11	11	11	11	11	11	11
1/4	1,879.37	1/4	1,536.30	1/4	1,193.23	1/4	850.64	1/4	507.60	1/4	164.54	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,872.23	1/2	1,529.16	1/2	1,186.09	1/2	843.50	1/2	500.45	1/2	157.40	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,865.08	3/4	1,522.01	3/4	1,178.94	3/4	836.36	3/4	493.31	3/4	150.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
 CALCULATED: 08/02/2019 CL
 PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2019



BARGE "FMT 3302"

3 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-04 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,294.12	0	4,085.51	0	3,876.55	0	3,666.86	0	3,457.46	0	3,188.38	0	2,846.97	0	2,505.49
1/4		1/4		1/4	4,289.80	1/4	4,081.16	1/4	3,872.18	1/4	3,662.50	1/4	3,453.11	1/4	3,181.28	1/4	2,839.86	1/4	2,498.38
1/2		1/2		1/2	4,285.48	1/2	4,076.82	1/2	3,867.81	1/2	3,658.13	1/2	3,448.75	1/2	3,174.19	1/2	2,832.74	1/2	2,491.27
3/4		3/4		3/4	4,281.15	3/4	4,072.47	3/4	3,863.45	3/4	3,653.76	3/4	3,444.40	3/4	3,167.10	3/4	2,825.63	3/4	2,484.15
1		1		1	4,276.83	1	4,068.12	1	3,859.08	1	3,649.39	1	3,440.05	1	3,160.01	1	2,818.51	1	2,477.04
1/4		1/4		1/4	4,272.51	1/4	4,063.77	1/4	3,854.71	1/4	3,645.02	1/4	3,435.70	1/4	3,152.91	1/4	2,811.40	1/4	2,469.92
1/2		1/2		1/2	4,268.19	1/2	4,059.42	1/2	3,850.34	1/2	3,640.65	1/2	3,431.34	1/2	3,145.82	1/2	2,804.29	1/2	2,462.81
3/4		3/4		3/4	4,263.84	3/4	4,055.07	3/4	3,845.97	3/4	3,636.28	3/4	3,426.99	3/4	3,138.73	3/4	2,797.17	3/4	2,455.69
2		2		2	4,259.49	2	4,050.72	2	3,841.60	2	3,631.92	2	3,422.64	2	3,131.63	2	2,790.06	2	2,448.58
1/4		1/4		1/4	4,255.14	1/4	4,046.37	1/4	3,837.24	1/4	3,627.55	1/4	3,418.29	1/4	3,124.54	1/4	2,782.94	1/4	2,441.46
1/2		1/2		1/2	4,250.79	1/2	4,042.02	1/2	3,832.87	1/2	3,623.18	1/2	3,413.93	1/2	3,117.45	1/2	2,775.83	1/2	2,434.35
3/4		3/4		3/4	4,246.44	3/4	4,037.67	3/4	3,828.50	3/4	3,618.81	3/4	3,409.58	3/4	3,110.34	3/4	2,768.72	3/4	2,427.23
3		3		3	4,242.09	3	4,033.32	3	3,824.13	3	3,614.44	3	3,405.23	3	3,103.23	3	2,761.60	3	2,420.12
1/4		1/4		1/4	4,237.74	1/4	4,028.97	1/4	3,819.76	1/4	3,610.07	1/4	3,400.88	1/4	3,096.12	1/4	2,754.49	1/4	2,413.00
1/2		1/2		1/2	4,233.39	1/2	4,024.62	1/2	3,815.39	1/2	3,605.70	1/2	3,396.52	1/2	3,089.01	1/2	2,747.37	1/2	2,405.88
3/4		3/4		3/4	4,229.04	3/4	4,020.27	3/4	3,811.02	3/4	3,601.34	3/4	3,392.17	3/4	3,081.90	3/4	2,740.26	3/4	2,398.77
4		4		4	4,224.69	4	4,015.92	4	3,806.66	4	3,596.97	4	3,387.82	4	3,074.79	4	2,733.15	4	2,391.65
1/4		1/4		1/4	4,220.35	1/4	4,011.57	1/4	3,802.29	1/4	3,592.60	1/4	3,383.46	1/4	3,067.68	1/4	2,726.03	1/4	2,384.54
1/2		1/2		1/2	4,216.00	1/2	4,007.22	1/2	3,797.92	1/2	3,588.23	1/2	3,379.11	1/2	3,060.57	1/2	2,718.92	1/2	2,377.42
3/4		3/4		3/4	4,211.65	3/4	4,002.88	3/4	3,793.55	3/4	3,583.86	3/4	3,374.78	3/4	3,053.46	3/4	2,711.80	3/4	2,370.31
5		5		5	4,207.30	5	3,998.53	5	3,789.18	5	3,579.49	5	3,370.44	5	3,046.35	5	2,704.69	5	2,363.19
1/4		1/4		1/4	4,202.95	1/4	3,994.18	1/4	3,784.81	1/4	3,575.13	1/4	3,366.11	1/4	3,039.24	1/4	2,697.57	1/4	2,356.08
1/2		1/2		1/2	4,383.80	1/2	4,198.60	1/2	3,989.83	1/2	3,780.44	1/2	3,570.76	1/2	3,361.77	1/2	3,032.13	1/2	2,690.46
3/4		3/4		3/4	4,382.09	3/4	4,194.25	3/4	3,985.48	3/4	3,776.08	3/4	3,566.39	3/4	3,357.44	3/4	3,025.00	3/4	2,683.35
6		6		6	4,380.39	6	4,189.90	6	3,981.13	6	3,771.71	6	3,562.02	6	3,353.11	6	3,017.87	6	2,676.23
1/4		1/4		1/4	4,378.68	1/4	4,185.55	1/4	3,976.78	1/4	3,767.34	1/4	3,557.65	1/4	3,348.77	1/4	3,010.75	1/4	2,669.12
1/2		1/2		1/2	4,376.97	1/2	4,181.20	1/2	3,972.43	1/2	3,762.97	1/2	3,553.28	1/2	3,344.44	1/2	3,003.62	1/2	2,662.00
3/4		3/4		3/4	4,374.73	3/4	4,176.85	3/4	3,968.08	3/4	3,758.60	3/4	3,548.91	3/4	3,337.34	3/4	2,996.50	3/4	2,654.89
7		7		7	4,372.49	7	4,172.50	7	3,963.73	7	3,754.23	7	3,544.55	7	3,330.25	7	2,989.37	7	2,647.78
1/4		1/4		1/4	4,370.25	1/4	4,168.15	1/4	3,959.38	1/4	3,749.87	1/4	3,540.18	1/4	3,323.15	1/4	2,982.25	1/4	2,640.66
1/2		1/2		1/2	4,368.00	1/2	4,163.80	1/2	3,955.03	1/2	3,745.50	1/2	3,535.81	1/2	3,316.06	1/2	2,975.12	1/2	2,633.55
3/4		3/4		3/4	4,364.57	3/4	4,159.45	3/4	3,950.68	3/4	3,741.13	3/4	3,531.46	3/4	3,308.96	3/4	2,967.99	3/4	2,626.43
8		8		8	4,361.14	8	4,155.10	8	3,946.33	8	3,736.76	8	3,527.10	8	3,301.87	8	2,960.87	8	2,619.32
1/4		1/4		1/4	4,357.71	1/4	4,150.76	1/4	3,941.98	1/4	3,732.39	1/4	3,522.75	1/4	3,294.78	1/4	2,953.74	1/4	2,612.21
1/2		1/2		1/2	4,354.28	1/2	4,146.41	1/2	3,937.63	1/2	3,728.02	1/2	3,518.40	1/2	3,287.68	1/2	2,946.62	1/2	2,605.09
3/4		3/4		3/4	4,350.03	3/4	4,142.06	3/4	3,933.28	3/4	3,723.65	3/4	3,514.05	3/4	3,280.59	3/4	2,939.49	3/4	2,597.98
9		9		9	4,345.77	9	4,137.71	9	3,928.94	9	3,719.29	9	3,509.69	9	3,273.49	9	2,932.36	9	2,590.86
1/4		1/4		1/4	4,341.52	1/4	4,133.36	1/4	3,924.59	1/4	3,714.92	1/4	3,505.34	1/4	3,266.40	1/4	2,925.24	1/4	2,583.75
1/2		1/2		1/2	4,337.27	1/2	4,129.01	1/2	3,920.24	1/2	3,710.55	1/2	3,500.99	1/2	3,259.30	1/2	2,918.11	1/2	2,576.64
3/4		3/4		3/4	4,332.96	3/4	4,124.66	3/4	3,915.87	3/4	3,706.18	3/4	3,496.63	3/4	3,252.21	3/4	2,911.00	3/4	2,569.52
10		10		10	4,328.65	10	4,120.31	10	3,911.50	10	3,701.81	10	3,492.28	10	3,245.12	10	2,903.88	10	2,562.41
1/4		1/4		1/4	4,324.34	1/4	4,115.96	1/4	3,907.13	1/4	3,697.44	1/4	3,487.93	1/4	3,238.03	1/4	2,896.77	1/4	2,555.29
1/2		1/2		1/2	4,320.04	1/2	4,111.61	1/2	3,902.76	1/2	3,693.07	1/2	3,483.58	1/2	3,230.93	1/2	2,889.66	1/2	2,548.18
3/4		3/4		3/4	4,315.72	3/4	4,107.26	3/4	3,898.39	3/4	3,688.71	3/4	3,479.22	3/4	3,223.84	3/4	2,882.54	3/4	2,541.06
11		11		11	4,311.40	11	4,102.91	11	3,894.03	11	3,684.34	11	3,474.87	11	3,216.75	11	2,875.43	11	2,533.95
1/4		1/4		1/4	4,307.08	1/4	4,098.56	1/4	3,889.66	1/4	3,679.97	1/4	3,470.52	1/4	3,209.66	1/4	2,868.31	1/4	2,526.84
1/2		1/2		1/2	4,302.76	1/2	4,094.21	1/2	3,885.29	1/2	3,675.60	1/2	3,466.17	1/2	3,202.56	1/2	2,861.20	1/2	2,519.72
3/4		3/4		3/4	4,298.44	3/4	4,089.86	3/4	3,880.92	3/4	3,671.23	3/4	3,461.81	3/4	3,195.47	3/4	2,854.09	3/4	2,512.61

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "FMT 3302"

3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-04 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,163.97	0	1,822.45	0	1,480.92	0	1,139.40	0	811.57	0	470.45	0	128.47	0		0		0	
1/4	2,156.86	1/4	1,815.33	1/4	1,473.81	1/4	1,132.28	1/4	804.69	1/4	463.33	1/4	121.34	1/4	1/4	1/4		1/4	
1/2	2,149.74	1/2	1,808.22	1/2	1,466.69	1/2	1,125.17	1/2	797.80	1/2	456.22	1/2	114.22	1/2	1/2	1/2		1/2	
3/4	2,142.63	3/4	1,801.10	3/4	1,459.58	3/4	1,118.28	3/4	790.69	3/4	449.10	3/4	107.10	3/4	3/4	3/4		3/4	
1	2,135.51	1	1,793.99	1	1,452.46	1	1,111.40	1	783.57	1	441.98	1	99.98	1	1	1		1	
1/4	2,128.40	1/4	1,786.87	1/4	1,445.35	1/4	1,104.52	1/4	776.45	1/4	434.87	1/4	92.86	1/4	1/4	1/4		1/4	
1/2	2,121.28	1/2	1,779.76	1/2	1,438.23	1/2	1,097.63	1/2	769.34	1/2	427.75	1/2	85.75	1/2	1/2	1/2		1/2	
3/4	2,114.17	3/4	1,772.64	3/4	1,431.12	3/4	1,090.82	3/4	762.22	3/4	420.63	3/4	78.65	3/4	3/4	3/4		3/4	
2	2,107.05	2	1,765.53	2	1,424.00	2	1,084.00	2	755.10	2	413.52	2	71.56	2	2	2		2	
1/4	2,099.94	1/4	1,758.41	1/4	1,416.89	1/4	1,077.19	1/4	747.99	1/4	406.40	1/4	64.47	1/4	1/4	1/4		1/4	
1/2	2,092.82	1/2	1,751.30	1/2	1,409.77	1/2	1,070.38	1/2	740.87	1/2	399.28	1/2	57.38	1/2	1/2	1/2		1/2	
3/4	2,085.71	3/4	1,744.18	3/4	1,402.66	3/4	1,063.57	3/4	733.76	3/4	392.17	3/4	50.31	3/4	3/4	3/4		3/4	
3	2,078.59	3	1,737.07	3	1,395.54	3	1,056.77	3	726.64	3	385.05	3	44.91	3	3	3		3	
1/4	2,071.48	1/4	1,729.95	1/4	1,388.43	1/4	1,049.96	1/4	719.52	1/4	377.94	1/4	38.67	1/4	1/4	1/4		1/4	
1/2	2,064.36	1/2	1,722.84	1/2	1,381.31	1/2	1,043.15	1/2	712.41	1/2	370.82	1/2	32.44	1/2	1/2	1/2		1/2	
3/4	2,057.24	3/4	1,715.72	3/4	1,374.20	3/4	1,036.35	3/4	705.29	3/4	363.69	3/4	27.98	3/4	3/4	3/4		3/4	
4	2,050.13	4	1,708.61	4	1,367.08	4	1,029.54	4	698.17	4	356.56	4	23.53	4	4	4		4	
1/4	2,043.01	1/4	1,701.49	1/4	1,359.97	1/4	1,022.74	1/4	691.06	1/4	349.43	1/4	19.07	1/4	1/4	1/4		1/4	
1/2	2,035.90	1/2	1,694.37	1/2	1,352.85	1/2	1,015.93	1/2	683.94	1/2	342.31	1/2	14.62	1/2	1/2	1/2		1/2	
3/4	2,028.78	3/4	1,687.26	3/4	1,345.73	3/4	1,009.12	3/4	676.82	3/4	335.18	3/4		3/4	3/4	3/4		3/4	
5	2,021.67	5	1,680.14	5	1,338.62	5	1,002.32	5	669.71	5	328.05	5		5	5	5		5	
1/4	2,014.55	1/4	1,673.03	1/4	1,331.50	1/4	995.51	1/4	662.59	1/4	320.92	1/4		1/4	1/4	1/4		1/4	
1/2	2,007.44	1/2	1,665.91	1/2	1,324.39	1/2	988.71	1/2	655.47	1/2	313.79	1/2		1/2	1/2	1/2		1/2	
3/4	2,000.32	3/4	1,658.80	3/4	1,317.27	3/4	981.90	3/4	648.36	3/4	306.67	3/4		3/4	3/4	3/4		3/4	
6	1,993.21	6	1,651.68	6	1,310.16	6	975.10	6	641.24	6	299.54	6		6	6	6		6	
1/4	1,986.09	1/4	1,644.57	1/4	1,303.04	1/4	968.29	1/4	634.13	1/4	292.41	1/4		1/4	1/4	1/4		1/4	
1/2	1,978.98	1/2	1,637.45	1/2	1,295.93	1/2	961.48	1/2	627.01	1/2	285.28	1/2		1/2	1/2	1/2		1/2	
3/4	1,971.86	3/4	1,630.34	3/4	1,288.81	3/4	954.68	3/4	619.89	3/4	278.15	3/4		3/4	3/4	3/4		3/4	
7	1,964.75	7	1,623.22	7	1,281.70	7	947.87	7	612.78	7	271.03	7		7	7	7		7	
1/4	1,957.63	1/4	1,616.11	1/4	1,274.58	1/4	941.07	1/4	605.66	1/4	263.90	1/4		1/4	1/4	1/4		1/4	
1/2	1,950.52	1/2	1,608.99	1/2	1,267.47	1/2	934.26	1/2	598.54	1/2	256.77	1/2		1/2	1/2	1/2		1/2	
3/4	1,943.40	3/4	1,601.88	3/4	1,260.35	3/4	927.46	3/4	591.43	3/4	249.64	3/4		3/4	3/4	3/4		3/4	
8	1,936.29	8	1,594.76	8	1,253.24	8	920.65	8	584.31	8	242.51	8		8	8	8		8	
1/4	1,929.17	1/4	1,587.65	1/4	1,246.12	1/4	913.84	1/4	577.19	1/4	235.39	1/4		1/4	1/4	1/4		1/4	
1/2	1,922.06	1/2	1,580.53	1/2	1,239.01	1/2	907.04	1/2	570.08	1/2	228.26	1/2		1/2	1/2	1/2		1/2	
3/4	1,914.94	3/4	1,573.42	3/4	1,231.89	3/4	900.23	3/4	562.96	3/4	221.13	3/4		3/4	3/4	3/4		3/4	
9	1,907.83	9	1,566.30	9	1,224.78	9	893.43	9	555.85	9	214.00	9		9	9	9		9	
1/4	1,900.71	1/4	1,559.19	1/4	1,217.66	1/4	886.62	1/4	548.73	1/4	206.87	1/4		1/4	1/4	1/4		1/4	
1/2	1,893.60	1/2	1,552.07	1/2	1,210.55	1/2	879.82	1/2	541.61	1/2	199.75	1/2		1/2	1/2	1/2		1/2	
3/4	1,886.48	3/4	1,544.96	3/4	1,203.43	3/4	873.01	3/4	534.50	3/4	192.62	3/4		3/4	3/4	3/4		3/4	
10	1,879.37	10	1,537.84	10	1,196.32	10	866.21	10	527.38	10	185.49	10		10	10	10		10	
1/4	1,872.25	1/4	1,530.73	1/4	1,189.20	1/4	859.40	1/4	520.26	1/4	178.36	1/4		1/4	1/4	1/4		1/4	
1/2	1,865.14	1/2	1,523.61	1/2	1,182.09	1/2	852.59	1/2	513.15	1/2	171.23	1/2		1/2	1/2	1/2		1/2	
3/4	1,858.02	3/4	1,516.50	3/4	1,174.97	3/4	845.78	3/4	506.03	3/4	164.11	3/4		3/4	3/4	3/4		3/4	
11	1,850.91	11	1,509.38	11	1,167.86	11	838.97	11	498.91	11	156.98	11		11	11	11		11	
1/4	1,843.79	1/4	1,502.27	1/4	1,160.74	1/4	832.15	1/4	491.80	1/4	149.85	1/4		1/4	1/4	1/4		1/4	
1/2	1,836.68	1/2	1,495.15	1/2	1,153.63	1/2	825.34	1/2	484.68	1/2	142.72	1/2		1/2	1/2	1/2		1/2	
3/4	1,829.56	3/4	1,488.04	3/4	1,146.51	3/4	818.46	3/4	477.56	3/4	135.60	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

3 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-04 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,314.14	0	4,105.32	0	3,896.13	0	3,686.22	0	3,476.30	0	3,206.79	0	2,865.57	0	2,523.89
1/4		1/4		1/4	4,309.82	1/4	4,100.96	1/4	3,891.76	1/4	3,681.84	1/4	3,471.93	1/4	3,199.70	1/4	2,858.45	1/4	2,516.76
1/2		1/2		1/2	4,305.49	1/2	4,096.61	1/2	3,887.39	1/2	3,677.47	1/2	3,467.56	1/2	3,192.60	1/2	2,851.34	1/2	2,509.63
3/4		3/4		3/4	4,301.16	3/4	4,092.25	3/4	3,883.01	3/4	3,673.10	3/4	3,463.18	3/4	3,185.51	3/4	2,844.23	3/4	2,502.49
1		1		1	4,296.84	1	4,087.90	1	3,878.64	1	3,668.73	1	3,458.81	1	3,178.41	1	2,837.12	1	2,495.36
1/4		1/4		1/4	4,292.51	1/4	4,083.55	1/4	3,874.27	1/4	3,664.35	1/4	3,454.44	1/4	3,171.31	1/4	2,830.00	1/4	2,488.23
1/2		1/2		1/2	4,288.18	1/2	4,079.19	1/2	3,869.89	1/2	3,659.98	1/2	3,450.07	1/2	3,164.22	1/2	2,822.89	1/2	2,481.10
3/4		3/4		3/4	4,283.83	3/4	4,074.84	3/4	3,865.52	3/4	3,655.61	3/4	3,445.69	3/4	3,157.12	3/4	2,815.78	3/4	2,473.97
2		2		2	4,279.48	2	4,070.48	2	3,861.15	2	3,651.23	2	3,441.32	2	3,150.03	2	2,808.67	2	2,466.84
1/4		1/4		1/4	4,275.12	1/4	4,066.13	1/4	3,856.77	1/4	3,646.86	1/4	3,436.95	1/4	3,142.93	1/4	2,801.56	1/4	2,459.71
1/2		1/2		1/2	4,270.77	1/2	4,061.78	1/2	3,852.40	1/2	3,642.49	1/2	3,432.57	1/2	3,135.84	1/2	2,794.44	1/2	2,452.58
3/4		3/4		3/4	4,266.41	3/4	4,057.42	3/4	3,848.03	3/4	3,638.11	3/4	3,428.20	3/4	3,128.73	3/4	2,787.33	3/4	2,445.45
3		3		3	4,262.06	3	4,053.07	3	3,843.65	3	3,633.74	3	3,423.83	3	3,121.61	3	2,780.22	3	2,438.32
1/4		1/4		1/4	4,257.71	1/4	4,048.71	1/4	3,839.28	1/4	3,629.37	1/4	3,419.45	1/4	3,114.50	1/4	2,773.11	1/4	2,431.19
1/2		1/2		1/2	4,253.35	1/2	4,044.36	1/2	3,834.91	1/2	3,624.99	1/2	3,415.08	1/2	3,107.39	1/2	2,765.99	1/2	2,424.06
3/4		3/4		3/4	4,249.00	3/4	4,040.01	3/4	3,830.53	3/4	3,620.62	3/4	3,410.71	3/4	3,100.28	3/4	2,758.88	3/4	2,416.93
4		4		4	4,244.64	4	4,035.65	4	3,826.16	4	3,616.25	4	3,406.33	4	3,093.16	4	2,751.77	4	2,409.80
1/4		1/4		1/4	4,240.29	1/4	4,031.30	1/4	3,821.79	1/4	3,611.87	1/4	3,401.96	1/4	3,088.05	1/4	2,744.66	1/4	2,402.67
1/2		1/2		1/2	4,235.94	1/2	4,026.94	1/2	3,817.41	1/2	3,607.50	1/2	3,397.59	1/2	3,078.94	1/2	2,737.54	1/2	2,395.54
3/4		3/4		3/4	4,231.58	3/4	4,022.59	3/4	3,813.04	3/4	3,603.13	3/4	3,393.25	3/4	3,071.83	3/4	2,730.43	3/4	2,388.40
5		5		5	4,227.23	5	4,018.24	5	3,808.67	5	3,598.75	5	3,388.91	5	3,064.71	5	2,723.32	5	2,381.27
1/4		1/4		1/4	4,222.87	1/4	4,013.88	1/4	3,804.29	1/4	3,594.38	1/4	3,384.57	1/4	3,057.60	1/4	2,716.21	1/4	2,374.14
1/2		1/2		1/2	4,403.93	1/2	4,218.52	1/2	4,009.53	1/2	3,799.92	1/2	3,590.01	1/2	3,380.24	1/2	3,050.49	1/2	2,709.09
3/4		3/4		3/4	4,402.22	3/4	4,214.17	3/4	4,005.17	3/4	3,795.55	3/4	3,585.63	3/4	3,375.90	3/4	3,043.38	3/4	2,701.98
6		6		6	4,400.51	6	4,209.81	6	4,000.82	6	3,791.17	6	3,581.26	6	3,371.56	6	3,036.26	6	2,694.87
1/4		1/4		1/4	4,398.81	1/4	4,205.46	1/4	3,996.47	1/4	3,786.80	1/4	3,576.89	1/4	3,367.22	1/4	3,029.15	1/4	2,687.76
1/2		1/2		1/2	4,397.10	1/2	4,201.10	1/2	3,992.11	1/2	3,782.43	1/2	3,572.51	1/2	3,362.89	1/2	3,022.04	1/2	2,680.64
3/4		3/4		3/4	4,394.85	3/4	4,196.75	3/4	3,987.76	3/4	3,778.06	3/4	3,568.14	3/4	3,355.79	3/4	3,014.93	3/4	2,673.53
7		7		7	4,392.60	7	4,192.40	7	3,983.40	7	3,773.68	7	3,563.77	7	3,348.70	7	3,007.81	7	2,666.42
1/4		1/4		1/4	4,390.36	1/4	4,188.04	1/4	3,979.05	1/4	3,769.31	1/4	3,559.40	1/4	3,341.60	1/4	3,000.70	1/4	2,659.31
1/2		1/2		1/2	4,388.11	1/2	4,183.69	1/2	3,974.70	1/2	3,764.94	1/2	3,555.02	1/2	3,334.51	1/2	2,993.59	1/2	2,652.19
3/4		3/4		3/4	4,384.67	3/4	4,179.33	3/4	3,970.34	3/4	3,760.56	3/4	3,550.65	3/4	3,327.41	3/4	2,986.48	3/4	2,645.08
8		8		8	4,381.24	8	4,174.98	8	3,965.99	8	3,756.19	8	3,546.28	8	3,320.32	8	2,979.37	8	2,637.97
1/4		1/4		1/4	4,377.80	1/4	4,170.63	1/4	3,961.63	1/4	3,751.82	1/4	3,541.90	1/4	3,313.22	1/4	2,972.25	1/4	2,630.86
1/2		1/2		1/2	4,374.37	1/2	4,166.27	1/2	3,957.28	1/2	3,747.44	1/2	3,537.53	1/2	3,306.13	1/2	2,965.14	1/2	2,623.75
3/4		3/4		3/4	4,370.11	3/4	4,161.92	3/4	3,952.93	3/4	3,743.07	3/4	3,533.16	3/4	3,299.03	3/4	2,958.03	3/4	2,616.61
9		9		9	4,365.85	9	4,157.56	9	3,948.57	9	3,738.70	9	3,528.78	9	3,291.93	9	2,950.92	9	2,609.48
1/4		1/4		1/4	4,361.59	1/4	4,153.21	1/4	3,944.22	1/4	3,734.32	1/4	3,524.41	1/4	3,284.84	1/4	2,943.80	1/4	2,602.35
1/2		1/2		1/2	4,357.34	1/2	4,148.86	1/2	3,939.86	1/2	3,729.95	1/2	3,520.04	1/2	3,277.74	1/2	2,936.69	1/2	2,595.22
3/4		3/4		3/4	4,353.02	3/4	4,144.50	3/4	3,935.49	3/4	3,725.58	3/4	3,515.66	3/4	3,270.65	3/4	2,929.58	3/4	2,588.08
10		10		10	4,348.71	10	4,140.15	10	3,931.12	10	3,721.20	10	3,511.29	10	3,263.55	10	2,922.47	10	2,580.95
1/4		1/4		1/4	4,344.40	1/4	4,135.79	1/4	3,926.74	1/4	3,716.83	1/4	3,506.92	1/4	3,256.46	1/4	2,915.35	1/4	2,573.82
1/2		1/2		1/2	4,340.09	1/2	4,131.44	1/2	3,922.37	1/2	3,712.46	1/2	3,502.54	1/2	3,249.36	1/2	2,908.24	1/2	2,566.69
3/4		3/4		3/4	4,335.76	3/4	4,127.09	3/4	3,918.00	3/4	3,708.08	3/4	3,498.17	3/4	3,242.27	3/4	2,901.13	3/4	2,559.55
11		11		11	4,331.44	11	4,122.73	11	3,913.62	11	3,703.71	11	3,493.80	11	3,235.17	11	2,894.02	11	2,552.42
1/4		1/4		1/4	4,327.12	1/4	4,118.38	1/4	3,909.25	1/4	3,699.34	1/4	3,489.42	1/4	3,228.08	1/4	2,886.90	1/4	2,545.29
1/2		1/2		1/2	4,322.80	1/2	4,114.02	1/2	3,904.88	1/2	3,694.96	1/2	3,485.05	1/2	3,220.98	1/2	2,879.79	1/2	2,538.16
3/4		3/4		3/4	4,318.47	3/4	4,109.67	3/4	3,900.50	3/4	3,690.59	3/4	3,480.68	3/4	3,213.89	3/4	2,872.68	3/4	2,531.02

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "FMT 3302"

3 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-04 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,181.62	0	1,839.35	0	1,497.08	0	1,154.81	0	813.03	0	470.77	0	128.52	0		0		0	
1/4	2,174.49	1/4	1,832.22	1/4	1,489.95	1/4	1,147.68	1/4	805.90	1/4	463.64	1/4	121.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,167.36	1/2	1,825.09	1/2	1,482.82	1/2	1,140.55	1/2	798.77	1/2	456.51	1/2	114.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,160.23	3/4	1,817.96	3/4	1,475.69	3/4	1,133.42	3/4	791.64	3/4	449.38	3/4	107.14	3/4	3/4	3/4	3/4	3/4	3/4
1	2,153.10	1	1,810.83	1	1,468.56	1	1,126.29	1	784.51	1	442.25	1	100.02	1	1	1	1	1	1
1/4	2,145.96	1/4	1,803.70	1/4	1,461.43	1/4	1,119.16	1/4	777.38	1/4	435.12	1/4	92.90	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,138.83	1/2	1,796.57	1/2	1,454.30	1/2	1,112.03	1/2	770.25	1/2	427.99	1/2	85.78	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,131.70	3/4	1,789.43	3/4	1,447.17	3/4	1,104.90	3/4	763.12	3/4	420.86	3/4	78.69	3/4	3/4	3/4	3/4	3/4	3/4
2	2,124.57	2	1,782.30	2	1,440.04	2	1,097.78	2	755.99	2	413.73	2	71.59	2	2	2	2	2	2
1/4	2,117.44	1/4	1,775.17	1/4	1,432.90	1/4	1,090.65	1/4	748.86	1/4	406.60	1/4	64.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,110.31	1/2	1,768.04	1/2	1,425.77	1/2	1,083.53	1/2	741.73	1/2	399.47	1/2	57.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,103.18	3/4	1,760.91	3/4	1,418.64	3/4	1,076.41	3/4	734.60	3/4	392.34	3/4	51.17	3/4	3/4	3/4	3/4	3/4	3/4
3	2,096.05	3	1,753.78	3	1,411.51	3	1,069.29	3	727.47	3	385.21	3	44.93	3	3	3	3	3	3
1/4	2,088.92	1/4	1,746.65	1/4	1,404.38	1/4	1,062.18	1/4	720.34	1/4	378.08	1/4	38.69	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,081.79	1/2	1,739.52	1/2	1,397.25	1/2	1,055.06	1/2	713.21	1/2	370.95	1/2	32.45	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,074.66	3/4	1,732.39	3/4	1,390.12	3/4	1,047.95	3/4	706.08	3/4	363.82	3/4	28.00	3/4	3/4	3/4	3/4	3/4	3/4
4	2,067.53	4	1,725.26	4	1,382.99	4	1,040.83	4	698.95	4	356.69	4	23.54	4	4	4	4	4	4
1/4	2,060.40	1/4	1,718.13	1/4	1,375.86	1/4	1,033.71	1/4	691.82	1/4	349.56	1/4	19.08	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,053.27	1/2	1,711.00	1/2	1,368.73	1/2	1,026.60	1/2	684.69	1/2	342.43	1/2	14.63	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,046.14	3/4	1,703.87	3/4	1,361.60	3/4	1,019.48	3/4	677.56	3/4	335.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	2,039.01	5	1,696.74	5	1,354.47	5	1,012.36	5	670.43	5	328.17	5		5	5	5	5	5	5
1/4	2,031.88	1/4	1,689.61	1/4	1,347.34	1/4	1,005.25	1/4	663.30	1/4	321.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,024.74	1/2	1,682.48	1/2	1,340.21	1/2	998.13	1/2	656.17	1/2	313.91	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,017.61	3/4	1,675.35	3/4	1,333.08	3/4	991.01	3/4	649.03	3/4	306.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,010.48	6	1,668.21	6	1,325.95	6	983.90	6	641.90	6	299.65	6		6	6	6	6	6	6
1/4	2,003.35	1/4	1,661.08	1/4	1,318.82	1/4	976.78	1/4	634.77	1/4	292.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,996.22	1/2	1,653.95	1/2	1,311.68	1/2	969.66	1/2	627.64	1/2	285.38	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,989.09	3/4	1,646.82	3/4	1,304.55	3/4	962.55	3/4	620.51	3/4	278.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,981.96	7	1,639.69	7	1,297.42	7	955.43	7	613.38	7	271.12	7		7	7	7	7	7	7
1/4	1,974.83	1/4	1,632.56	1/4	1,290.29	1/4	948.31	1/4	606.25	1/4	263.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,967.70	1/2	1,625.43	1/2	1,283.16	1/2	941.20	1/2	599.12	1/2	256.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,960.57	3/4	1,618.30	3/4	1,276.03	3/4	934.08	3/4	591.99	3/4	249.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,953.44	8	1,611.17	8	1,268.90	8	926.96	8	584.86	8	242.60	8		8	8	8	8	8	8
1/4	1,946.31	1/4	1,604.04	1/4	1,261.77	1/4	919.85	1/4	577.73	1/4	235.47	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,939.18	1/2	1,596.91	1/2	1,254.64	1/2	912.73	1/2	570.60	1/2	228.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,932.05	3/4	1,589.78	3/4	1,247.51	3/4	905.61	3/4	563.47	3/4	221.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,924.92	9	1,582.65	9	1,240.38	9	898.50	9	556.34	9	214.08	9		9	9	9	9	9	9
1/4	1,917.79	1/4	1,575.52	1/4	1,233.25	1/4	891.38	1/4	549.21	1/4	206.95	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,910.65	1/2	1,568.39	1/2	1,226.12	1/2	884.26	1/2	542.08	1/2	199.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,903.52	3/4	1,561.26	3/4	1,218.99	3/4	877.15	3/4	534.95	3/4	192.69	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,896.39	10	1,554.12	10	1,211.86	10	870.03	10	527.82	10	185.56	10		10	10	10	10	10	10
1/4	1,889.26	1/4	1,546.99	1/4	1,204.73	1/4	862.91	1/4	520.69	1/4	178.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,882.13	1/2	1,539.86	1/2	1,197.59	1/2	855.80	1/2	513.56	1/2	171.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,875.00	3/4	1,532.73	3/4	1,190.46	3/4	848.67	3/4	506.43	3/4	164.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,867.87	11	1,525.60	11	1,183.33	11	841.55	11	499.30	11	157.04	11		11	11	11	11	11	11
1/4	1,860.74	1/4	1,518.47	1/4	1,176.20	1/4	834.42	1/4	492.17	1/4	149.91	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,853.61	1/2	1,511.34	1/2	1,169.07	1/2	827.29	1/2	485.04	1/2	142.78	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,846.48	3/4	1,504.21	3/4	1,161.94	3/4	820.16	3/4	477.91	3/4	135.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
 CALCULATED: 08/02/2019 CL
 PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2019



BARGE "FMT 3302"

INNAGE (10" HATCH)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
1 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
2 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
2 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
3 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-0/8	08-0/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
3 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-0/8	08-0/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 08-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-03 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

August 1, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

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BARGE "FMT 3302"

1 PORT INNAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	251.91	0	582.48	0	923.77	0	1,265.30	0	1,608.03	0	1,950.75	0	2,293.48	0	2,636.20	0	2,978.90
1/4	3.94	1/4	258.38	1/4	589.62	1/4	930.85	1/4	1,272.44	1/4	1,615.17	1/4	1,957.89	1/4	2,300.62	1/4	2,643.34	1/4	2,986.04
1/2	5.72	1/2	264.85	1/2	596.76	1/2	937.93	1/2	1,279.58	1/2	1,622.31	1/2	1,965.03	1/2	2,307.76	1/2	2,650.48	1/2	2,993.18
3/4	7.51	3/4	271.32	3/4	603.90	3/4	945.01	3/4	1,286.72	3/4	1,629.45	3/4	1,972.17	3/4	2,314.90	3/4	2,657.62	3/4	3,000.32
1	9.29	1	277.80	1	611.04	1	952.09	1	1,293.86	1	1,636.59	1	1,979.31	1	2,322.04	1	2,664.76	1	3,007.46
1/4	12.09	1/4	284.35	1/4	618.18	1/4	959.17	1/4	1,301.00	1/4	1,643.73	1/4	1,986.45	1/4	2,329.18	1/4	2,671.90	1/4	3,014.60
1/2	14.89	1/2	290.91	1/2	625.32	1/2	966.25	1/2	1,308.14	1/2	1,650.87	1/2	1,993.59	1/2	2,336.32	1/2	2,679.04	1/2	3,021.73
3/4	17.69	3/4	297.46	3/4	632.46	3/4	973.33	3/4	1,315.28	3/4	1,658.01	3/4	2,000.73	3/4	2,343.46	3/4	2,686.18	3/4	3,028.87
2	20.48	2	304.02	2	639.60	2	980.41	2	1,322.42	2	1,665.15	2	2,007.87	2	2,350.60	2	2,693.32	2	3,036.01
1/4	24.34	1/4	310.66	1/4	646.74	1/4	987.49	1/4	1,329.56	1/4	1,672.29	1/4	2,015.01	1/4	2,357.74	1/4	2,700.46	1/4	3,043.15
1/2	28.19	1/2	317.30	1/2	653.88	1/2	994.56	1/2	1,336.70	1/2	1,679.43	1/2	2,022.15	1/2	2,364.88	1/2	2,707.60	1/2	3,050.29
3/4	32.04	3/4	323.94	3/4	661.02	3/4	1,001.64	3/4	1,343.84	3/4	1,686.57	3/4	2,029.29	3/4	2,372.02	3/4	2,714.74	3/4	3,057.42
3	35.89	3	330.58	3	668.16	3	1,008.72	3	1,350.98	3	1,693.71	3	2,036.43	3	2,379.16	3	2,721.87	3	3,064.56
1/4	41.15	1/4	337.30	1/4	675.30	1/4	1,015.81	1/4	1,358.12	1/4	1,700.85	1/4	2,043.57	1/4	2,386.30	1/4	2,729.01	1/4	3,071.70
1/2	46.41	1/2	344.02	1/2	682.44	1/2	1,022.89	1/2	1,365.26	1/2	1,707.99	1/2	2,050.71	1/2	2,393.44	1/2	2,736.15	1/2	3,078.84
3/4	51.66	3/4	350.75	3/4	689.58	3/4	1,029.98	3/4	1,372.40	3/4	1,715.13	3/4	2,057.85	3/4	2,400.58	3/4	2,743.29	3/4	3,085.97
4	56.92	4	357.47	4	696.72	4	1,037.06	4	1,379.54	4	1,722.27	4	2,064.99	4	2,407.72	4	2,750.43	4	3,093.11
1/4	62.70	1/4	364.28	1/4	703.86	1/4	1,044.16	1/4	1,386.68	1/4	1,729.41	1/4	2,072.13	1/4	2,414.86	1/4	2,757.57	1/4	3,100.25
1/2	68.48	1/2	371.08	1/2	711.00	1/2	1,051.25	1/2	1,393.82	1/2	1,736.55	1/2	2,079.27	1/2	2,422.00	1/2	2,764.71	1/2	3,107.39
3/4	74.26	3/4	377.89	3/4	718.14	3/4	1,058.35	3/4	1,400.96	3/4	1,743.69	3/4	2,086.41	3/4	2,429.14	3/4	2,771.85	3/4	3,114.52
5	80.05	5	384.69	5	725.28	5	1,065.45	5	1,408.10	5	1,750.83	5	2,093.55	5	2,436.28	5	2,778.99	5	3,121.66
1/4	85.93	1/4	391.58	1/4	732.41	1/4	1,072.57	1/4	1,415.24	1/4	1,757.97	1/4	2,100.69	1/4	2,443.42	1/4	2,786.13	1/4	3,128.80
1/2	91.81	1/2	398.47	1/2	739.53	1/2	1,079.69	1/2	1,422.38	1/2	1,765.11	1/2	2,107.83	1/2	2,450.56	1/2	2,793.27	1/2	3,135.94
3/4	97.69	3/4	405.36	3/4	746.65	3/4	1,086.82	3/4	1,429.52	3/4	1,772.25	3/4	2,114.97	3/4	2,457.70	3/4	2,800.41	3/4	3,143.08
6	103.58	6	412.25	6	753.77	6	1,093.94	6	1,436.66	6	1,779.39	6	2,122.11	6	2,464.84	6	2,807.55	6	3,150.21
1/4	109.55	1/4	419.22	1/4	760.87	1/4	1,101.08	1/4	1,443.80	1/4	1,786.53	1/4	2,129.25	1/4	2,471.98	1/4	2,814.69	1/4	3,157.35
1/2	115.52	1/2	426.19	1/2	767.97	1/2	1,108.22	1/2	1,450.94	1/2	1,793.67	1/2	2,136.39	1/2	2,479.12	1/2	2,821.83	1/2	3,164.49
3/4	121.49	3/4	433.16	3/4	775.06	3/4	1,115.36	3/4	1,458.08	3/4	1,800.81	3/4	2,143.53	3/4	2,486.26	3/4	2,828.97	3/4	3,171.63
7	127.46	7	440.13	7	782.16	7	1,122.50	7	1,465.22	7	1,807.95	7	2,150.67	7	2,493.40	7	2,836.11	7	3,178.76
1/4	133.52	1/4	447.19	1/4	789.24	1/4	1,129.64	1/4	1,472.36	1/4	1,815.09	1/4	2,157.81	1/4	2,500.54	1/4	2,843.25	1/4	3,185.90
1/2	139.57	1/2	454.24	1/2	796.33	1/2	1,136.78	1/2	1,479.50	1/2	1,822.23	1/2	2,164.95	1/2	2,507.68	1/2	2,850.39	1/2	3,193.04
3/4	145.63	3/4	461.29	3/4	803.41	3/4	1,143.92	3/4	1,486.64	3/4	1,829.37	3/4	2,172.09	3/4	2,514.82	3/4	2,857.53	3/4	3,200.18
8	151.68	8	468.34	8	810.49	8	1,151.06	8	1,493.78	8	1,836.51	8	2,179.23	8	2,521.96	8	2,864.67	8	3,207.31
1/4	157.82	1/4	475.46	1/4	817.57	1/4	1,158.20	1/4	1,500.93	1/4	1,843.65	1/4	2,186.37	1/4	2,529.10	1/4	2,871.81	1/4	3,214.45
1/2	163.96	1/2	482.57	1/2	824.65	1/2	1,165.34	1/2	1,508.07	1/2	1,850.79	1/2	2,193.51	1/2	2,536.24	1/2	2,878.95	1/2	3,221.59
3/4	170.10	3/4	489.69	3/4	831.73	3/4	1,172.48	3/4	1,515.21	3/4	1,857.93	3/4	2,200.65	3/4	2,543.38	3/4	2,886.09	3/4	3,228.73
9	176.24	9	496.81	9	838.81	9	1,179.62	9	1,522.35	9	1,865.07	9	2,207.79	9	2,550.52	9	2,893.23	9	3,235.87
1/4	182.46	1/4	503.95	1/4	845.89	1/4	1,186.76	1/4	1,529.49	1/4	1,872.21	1/4	2,214.94	1/4	2,557.66	1/4	2,900.36	1/4	3,243.00
1/2	188.68	1/2	511.09	1/2	852.97	1/2	1,193.90	1/2	1,536.63	1/2	1,879.35	1/2	2,222.08	1/2	2,564.80	1/2	2,907.50	1/2	3,250.14
3/4	194.91	3/4	518.23	3/4	860.05	3/4	1,201.04	3/4	1,543.77	3/4	1,886.49	3/4	2,229.22	3/4	2,571.94	3/4	2,914.64	3/4	3,257.28
10	201.13	10	525.37	10	867.13	10	1,208.18	10	1,550.91	10	1,893.63	10	2,236.36	10	2,579.08	10	2,921.78	10	3,264.42
1/4	207.43	1/4	532.51	1/4	874.21	1/4	1,215.32	1/4	1,558.05	1/4	1,900.77	1/4	2,243.50	1/4	2,586.22	1/4	2,928.92	1/4	3,271.55
1/2	213.74	1/2	539.65	1/2	881.29	1/2	1,222.46	1/2	1,565.19	1/2	1,907.91	1/2	2,250.64	1/2	2,593.36	1/2	2,936.06	1/2	3,278.69
3/4	220.04	3/4	546.79	3/4	888.37	3/4	1,229.60	3/4	1,572.33	3/4	1,915.05	3/4	2,257.78	3/4	2,600.50	3/4	2,943.20	3/4	3,285.83
11	226.35	11	553.93	11	895.45	11	1,236.74	11	1,579.47	11	1,922.19	11	2,264.92	11	2,607.64	11	2,950.34	11	3,292.97
1/4	232.74	1/4	561.07	1/4	902.53	1/4	1,243.88	1/4	1,586.61	1/4	1,929.33	1/4	2,272.06	1/4	2,614.78	1/4	2,957.48	1/4	3,300.10
1/2	239.13	1/2	568.21	1/2	909.61	1/2	1,251.02	1/2	1,593.75	1/2	1,936.47	1/2	2,279.20	1/2	2,621.92	1/2	2,964.62	1/2	3,307.24
3/4	245.52	3/4	575.35	3/4	916.69	3/4	1,258.16	3/4	1,600.89	3/4	1,943.61	3/4	2,286.34	3/4	2,629.06	3/4	2,971.76	3/4	3,314.38

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

**1 PORT
INNAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,321.52	0	3,664.14	0	4,006.84	0	4,349.09	0	4,690.23	0	5,011.24	0		0		0		0	
1/4	3,328.66	1/4	3,671.28	1/4	4,013.98	1/4	4,356.20	1/4	4,697.34	1/4	5,014.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,335.79	1/2	3,678.42	1/2	4,021.12	1/2	4,363.30	1/2	4,704.44	1/2	5,017.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,342.93	3/4	3,685.56	3/4	4,028.26	3/4	4,370.41	3/4	4,711.55	3/4	5,020.82	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,350.07	1	3,692.70	1	4,035.40	1	4,377.52	1	4,718.66	1	5,024.02	1	1	1	1	1	1	1	1
1/4	3,357.21	1/4	3,699.84	1/4	4,042.54	1/4	4,384.63	1/4	4,725.77	1/4	5,026.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,364.34	1/2	3,706.98	1/2	4,049.68	1/2	4,391.73	1/2	4,732.87	1/2	5,028.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,371.48	3/4	3,714.12	3/4	4,056.82	3/4	4,398.84	3/4	4,739.98	3/4	5,030.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,378.62	2	3,721.25	2	4,063.96	2	4,405.95	2	4,747.09	2	5,032.04	2	2	2	2	2	2	2	2
1/4	3,385.76	1/4	3,728.39	1/4	4,071.10	1/4	4,413.05	1/4	4,754.19	1/4	5,032.96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,392.89	1/2	3,735.53	1/2	4,078.24	1/2	4,420.16	1/2	4,761.30	1/2	5,033.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,400.03	3/4	3,742.67	3/4	4,085.38	3/4	4,427.27	3/4	4,768.41	3/4	5,034.82	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,407.17	3	3,749.81	3	4,092.52	3	4,434.37	3	4,775.52	3	5,035.75	3	3	3	3	3	3	3	3
1/4	3,414.31	1/4	3,756.95	1/4	4,099.66	1/4	4,441.48	1/4	4,782.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,421.45	1/2	3,764.09	1/2	4,106.80	1/2	4,448.59	1/2	4,789.73	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,428.58	3/4	3,771.23	3/4	4,113.94	3/4	4,455.70	3/4	4,796.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,435.72	4	3,778.37	4	4,121.08	4	4,462.80	4	4,803.94	4	4	4	4	4	4	4	4	4	4
1/4	3,442.86	1/4	3,785.51	1/4	4,128.22	1/4	4,469.91	1/4	4,811.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,450.00	1/2	3,792.65	1/2	4,135.36	1/2	4,477.02	1/2	4,818.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,457.13	3/4	3,799.79	3/4	4,142.50	3/4	4,484.12	3/4	4,825.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,464.27	5	3,806.93	5	4,149.64	5	4,491.23	5	4,832.28	5	5	5	5	5	5	5	5	5	5
1/4	3,471.41	1/4	3,814.07	1/4	4,156.78	1/4	4,498.34	1/4	4,839.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,478.55	1/2	3,821.21	1/2	4,163.92	1/2	4,505.45	1/2	4,846.40	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,485.68	3/4	3,828.35	3/4	4,171.06	3/4	4,512.55	3/4	4,853.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,492.82	6	3,835.49	6	4,178.20	6	4,519.66	6	4,860.53	6	6	6	6	6	6	6	6	6	6
1/4	3,499.96	1/4	3,842.63	1/4	4,185.34	1/4	4,526.77	1/4	4,867.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,507.10	1/2	3,849.77	1/2	4,192.48	1/2	4,533.87	1/2	4,874.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,514.24	3/4	3,856.91	3/4	4,199.61	3/4	4,540.98	3/4	4,881.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,521.37	7	3,864.05	7	4,206.75	7	4,548.09	7	4,888.77	7	7	7	7	7	7	7	7	7	7
1/4	3,528.51	1/4	3,871.19	1/4	4,213.89	1/4	4,555.20	1/4	4,895.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,535.65	1/2	3,878.33	1/2	4,221.03	1/2	4,562.30	1/2	4,902.88	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,542.79	3/4	3,885.47	3/4	4,228.17	3/4	4,569.41	3/4	4,909.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,549.92	8	3,892.61	8	4,235.31	8	4,576.52	8	4,916.99	8	8	8	8	8	8	8	8	8	8
1/4	3,557.06	1/4	3,899.75	1/4	4,242.44	1/4	4,583.62	1/4	4,924.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,564.20	1/2	3,906.89	1/2	4,249.56	1/2	4,590.73	1/2	4,931.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,571.34	3/4	3,914.03	3/4	4,256.68	3/4	4,597.84	3/4	4,938.06	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,578.47	9	3,921.17	9	4,263.80	9	4,604.95	9	4,945.08	9	9	9	9	9	9	9	9	9	9
1/4	3,585.61	1/4	3,928.31	1/4	4,270.91	1/4	4,612.05	1/4	4,951.66	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,592.75	1/2	3,935.45	1/2	4,278.02	1/2	4,619.16	1/2	4,958.24	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,599.89	3/4	3,942.59	3/4	4,285.13	3/4	4,626.27	3/4	4,964.82	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,607.03	10	3,949.73	10	4,292.23	10	4,633.37	10	4,971.40	10	10	10	10	10	10	10	10	10	10
1/4	3,614.16	1/4	3,956.87	1/4	4,299.34	1/4	4,640.48	1/4	4,976.98	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,621.30	1/2	3,964.00	1/2	4,306.45	1/2	4,647.59	1/2	4,982.55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,628.44	3/4	3,971.14	3/4	4,313.55	3/4	4,654.70	3/4	4,988.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,635.58	11	3,978.28	11	4,320.66	11	4,661.80	11	4,993.70	11	11	11	11	11	11	11	11	11	11
1/4	3,642.72	1/4	3,985.42	1/4	4,327.77	1/4	4,668.91	1/4	4,998.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,649.86	1/2	3,992.56	1/2	4,334.88	1/2	4,676.02	1/2	5,002.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,657.00	3/4	3,999.70	3/4	4,341.98	3/4	4,683.12	3/4	5,006.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

1 STBD INNAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	252.05	0	582.90	0	925.70	0	1,268.54	0	1,611.52	0	1,954.49	0	2,297.47	0	2,640.43	0	2,983.38
1/4	3.94	1/4	258.53	1/4	590.04	1/4	932.83	1/4	1,275.69	1/4	1,618.66	1/4	1,961.64	1/4	2,304.61	1/4	2,647.57	1/4	2,990.52
1/2	5.72	1/2	265.00	1/2	597.19	1/2	939.97	1/2	1,282.83	1/2	1,625.81	1/2	1,968.78	1/2	2,311.76	1/2	2,654.72	1/2	2,997.67
3/4	7.51	3/4	271.48	3/4	604.33	3/4	947.11	3/4	1,289.98	3/4	1,632.95	3/4	1,975.93	3/4	2,318.90	3/4	2,661.86	3/4	3,004.81
1	9.30	1	277.96	1	611.48	1	954.24	1	1,297.12	1	1,640.10	1	1,983.07	1	2,326.05	1	2,669.01	1	3,011.96
1/4	12.10	1/4	284.52	1/4	618.62	1/4	961.38	1/4	1,304.27	1/4	1,647.24	1/4	1,990.22	1/4	2,333.19	1/4	2,676.15	1/4	3,019.10
1/2	14.90	1/2	291.08	1/2	625.77	1/2	968.51	1/2	1,311.42	1/2	1,654.39	1/2	1,997.36	1/2	2,340.34	1/2	2,683.30	1/2	3,026.24
3/4	17.70	3/4	297.64	3/4	632.91	3/4	975.65	3/4	1,318.56	3/4	1,661.54	3/4	2,004.51	3/4	2,347.48	3/4	2,690.44	3/4	3,033.38
2	20.50	2	304.20	2	640.06	2	982.79	2	1,325.71	2	1,668.68	2	2,011.65	2	2,354.63	2	2,697.59	2	3,040.53
1/4	24.35	1/4	310.84	1/4	647.20	1/4	989.92	1/4	1,332.85	1/4	1,675.83	1/4	2,018.80	1/4	2,361.77	1/4	2,704.73	1/4	3,047.67
1/2	28.20	1/2	317.48	1/2	654.35	1/2	997.06	1/2	1,340.00	1/2	1,682.97	1/2	2,025.95	1/2	2,368.92	1/2	2,711.88	1/2	3,054.81
3/4	32.06	3/4	324.13	3/4	661.49	3/4	1,004.20	3/4	1,347.14	3/4	1,690.12	3/4	2,033.09	3/4	2,376.07	3/4	2,719.02	3/4	3,061.96
3	35.91	3	330.77	3	668.64	3	1,011.33	3	1,354.29	3	1,697.26	3	2,040.24	3	2,383.21	3	2,726.17	3	3,069.10
1/4	41.17	1/4	337.50	1/4	675.78	1/4	1,018.47	1/4	1,361.43	1/4	1,704.41	1/4	2,047.38	1/4	2,390.36	1/4	2,733.31	1/4	3,076.24
1/2	46.43	1/2	344.23	1/2	682.93	1/2	1,025.61	1/2	1,368.58	1/2	1,711.55	1/2	2,054.53	1/2	2,397.50	1/2	2,740.46	1/2	3,083.39
3/4	51.69	3/4	350.95	3/4	690.07	3/4	1,032.75	3/4	1,375.72	3/4	1,718.70	3/4	2,061.67	3/4	2,404.65	3/4	2,747.60	3/4	3,090.53
4	56.95	4	357.68	4	697.22	4	1,039.90	4	1,382.87	4	1,725.84	4	2,068.82	4	2,411.79	4	2,754.75	4	3,097.67
1/4	62.73	1/4	364.49	1/4	704.36	1/4	1,047.04	1/4	1,390.01	1/4	1,732.99	1/4	2,075.96	1/4	2,418.94	1/4	2,761.89	1/4	3,104.81
1/2	68.52	1/2	371.30	1/2	711.51	1/2	1,054.19	1/2	1,397.16	1/2	1,740.13	1/2	2,083.11	1/2	2,426.08	1/2	2,769.04	1/2	3,111.96
3/4	74.30	3/4	378.11	3/4	718.65	3/4	1,061.33	3/4	1,404.30	3/4	1,747.28	3/4	2,090.25	3/4	2,433.23	3/4	2,776.18	3/4	3,119.10
5	80.09	5	384.92	5	725.80	5	1,068.48	5	1,411.45	5	1,754.42	5	2,097.40	5	2,440.37	5	2,783.33	5	3,126.24
1/4	85.97	1/4	391.82	1/4	732.94	1/4	1,075.62	1/4	1,418.59	1/4	1,761.57	1/4	2,104.54	1/4	2,447.52	1/4	2,790.47	1/4	3,133.39
1/2	91.86	1/2	398.71	1/2	740.09	1/2	1,082.77	1/2	1,425.74	1/2	1,768.71	1/2	2,111.69	1/2	2,454.66	1/2	2,797.61	1/2	3,140.53
3/4	97.75	3/4	405.61	3/4	747.23	3/4	1,089.91	3/4	1,432.89	3/4	1,775.86	3/4	2,118.83	3/4	2,461.81	3/4	2,804.76	3/4	3,147.67
6	103.63	6	412.50	6	754.38	6	1,097.06	6	1,440.03	6	1,783.01	6	2,125.98	6	2,468.95	6	2,811.90	6	3,154.81
1/4	109.61	1/4	419.48	1/4	761.52	1/4	1,104.20	1/4	1,447.18	1/4	1,790.15	1/4	2,133.12	1/4	2,476.10	1/4	2,819.05	1/4	3,161.96
1/2	115.58	1/2	426.46	1/2	768.67	1/2	1,111.35	1/2	1,454.32	1/2	1,797.30	1/2	2,140.27	1/2	2,483.24	1/2	2,826.19	1/2	3,169.10
3/4	121.56	3/4	433.44	3/4	775.81	3/4	1,118.49	3/4	1,461.47	3/4	1,804.44	3/4	2,147.42	3/4	2,490.39	3/4	2,833.34	3/4	3,176.24
7	127.53	7	440.41	7	782.96	7	1,125.64	7	1,468.61	7	1,811.59	7	2,154.56	7	2,497.54	7	2,840.48	7	3,183.39
1/4	133.59	1/4	447.47	1/4	790.10	1/4	1,132.78	1/4	1,475.76	1/4	1,818.73	1/4	2,161.71	1/4	2,504.68	1/4	2,847.63	1/4	3,190.53
1/2	139.65	1/2	454.54	1/2	797.24	1/2	1,139.93	1/2	1,482.90	1/2	1,825.88	1/2	2,168.85	1/2	2,511.83	1/2	2,854.77	1/2	3,197.67
3/4	145.71	3/4	461.60	3/4	804.38	3/4	1,147.07	3/4	1,490.05	3/4	1,833.02	3/4	2,176.00	3/4	2,518.97	3/4	2,861.92	3/4	3,204.81
8	151.77	8	468.66	8	811.52	8	1,154.22	8	1,497.19	8	1,840.17	8	2,183.14	8	2,526.12	8	2,869.06	8	3,211.96
1/4	157.91	1/4	475.78	1/4	818.65	1/4	1,161.36	1/4	1,504.34	1/4	1,847.31	1/4	2,190.29	1/4	2,533.26	1/4	2,876.21	1/4	3,219.10
1/2	164.05	1/2	482.91	1/2	825.79	1/2	1,168.51	1/2	1,511.48	1/2	1,854.46	1/2	2,197.43	1/2	2,540.41	1/2	2,883.35	1/2	3,226.24
3/4	170.19	3/4	490.03	3/4	832.93	3/4	1,175.65	3/4	1,518.63	3/4	1,861.60	3/4	2,204.58	3/4	2,547.55	3/4	2,890.50	3/4	3,233.39
9	176.34	9	497.16	9	840.06	9	1,182.80	9	1,525.77	9	1,868.75	9	2,211.72	9	2,554.70	9	2,897.64	9	3,240.53
1/4	182.56	1/4	504.30	1/4	847.20	1/4	1,189.95	1/4	1,532.92	1/4	1,875.89	1/4	2,218.87	1/4	2,561.84	1/4	2,904.79	1/4	3,247.67
1/2	188.79	1/2	511.45	1/2	854.33	1/2	1,197.09	1/2	1,540.07	1/2	1,883.04	1/2	2,226.01	1/2	2,568.99	1/2	2,911.93	1/2	3,254.81
3/4	195.01	3/4	518.59	3/4	861.47	3/4	1,204.24	3/4	1,547.21	3/4	1,890.18	3/4	2,233.16	3/4	2,576.13	3/4	2,919.08	3/4	3,261.96
10	201.24	10	525.74	10	868.61	10	1,211.38	10	1,554.36	10	1,897.33	10	2,240.30	10	2,583.28	10	2,926.22	10	3,269.10
1/4	207.55	1/4	532.88	1/4	875.74	1/4	1,218.53	1/4	1,561.50	1/4	1,904.48	1/4	2,247.45	1/4	2,590.42	1/4	2,933.37	1/4	3,276.24
1/2	213.86	1/2	540.03	1/2	882.88	1/2	1,225.67	1/2	1,568.65	1/2	1,911.62	1/2	2,254.60	1/2	2,597.57	1/2	2,940.51	1/2	3,283.39
3/4	220.17	3/4	547.17	3/4	890.01	3/4	1,232.82	3/4	1,575.79	3/4	1,918.77	3/4	2,261.74	3/4	2,604.71	3/4	2,947.66	3/4	3,290.53
11	226.48	11	554.32	11	897.15	11	1,239.96	11	1,582.94	11	1,925.91	11	2,268.89	11	2,611.86	11	2,954.80	11	3,297.67
1/4	232.87	1/4	561.46	1/4	904.29	1/4	1,247.11	1/4	1,590.08	1/4	1,933.06	1/4	2,276.03	1/4	2,619.00	1/4	2,961.95	1/4	3,304.81
1/2	239.26	1/2	568.61	1/2	911.42	1/2	1,254.25	1/2	1,597.23	1/2	1,940.20	1/2	2,283.18	1/2	2,626.14	1/2	2,969.09	1/2	3,311.96
3/4	245.66	3/4	575.75	3/4	918.56	3/4	1,261.40	3/4	1,604.37	3/4	1,947.35	3/4	2,290.32	3/4	2,633.29	3/4	2,976.23	3/4	3,319.10

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "FMT 3302"

**1 STBD
INNAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,326.24	0	3,669.11	0	4,012.06	0	4,354.55	0	4,695.94	0	5,017.17	0		0		0		0	
1/4	3,333.39	1/4	3,676.25	1/4	4,019.21	1/4	4,361.67	1/4	4,703.05	1/4	5,020.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,340.53	1/2	3,683.40	1/2	4,026.35	1/2	4,368.78	1/2	4,710.16	1/2	5,023.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,347.67	3/4	3,690.54	3/4	4,033.50	3/4	4,375.89	3/4	4,717.28	3/4	5,026.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,354.82	1	3,697.69	1	4,040.64	1	4,383.00	1	4,724.39	1	5,029.96	1	1	1	1	1	1	1	1
1/4	3,361.96	1/4	3,704.83	1/4	4,047.79	1/4	4,390.12	1/4	4,731.50	1/4	5,031.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,369.10	1/2	3,711.98	1/2	4,054.93	1/2	4,397.23	1/2	4,738.61	1/2	5,033.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,376.24	3/4	3,719.12	3/4	4,062.08	3/4	4,404.34	3/4	4,745.73	3/4	5,035.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,383.39	2	3,726.27	2	4,069.22	2	4,411.45	2	4,752.84	2	5,037.99	2	2	2	2	2	2	2	2
1/4	3,390.53	1/4	3,733.41	1/4	4,076.37	1/4	4,418.56	1/4	4,759.95	1/4	5,038.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,397.67	1/2	3,740.56	1/2	4,083.51	1/2	4,425.68	1/2	4,767.06	1/2	5,039.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,404.82	3/4	3,747.70	3/4	4,090.66	3/4	4,432.79	3/4	4,774.17	3/4	5,040.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,411.96	3	3,754.85	3	4,097.80	3	4,439.90	3	4,781.29	3	5,041.70	3	3	3	3	3	3	3	3
1/4	3,419.10	1/4	3,761.99	1/4	4,104.95	1/4	4,447.01	1/4	4,788.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,426.24	1/2	3,769.14	1/2	4,112.09	1/2	4,454.13	1/2	4,795.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,433.39	3/4	3,776.28	3/4	4,119.24	3/4	4,461.24	3/4	4,802.62	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,440.53	4	3,783.43	4	4,126.38	4	4,468.35	4	4,809.74	4	4	4	4	4	4	4	4	4	4
1/4	3,447.67	1/4	3,790.57	1/4	4,133.53	1/4	4,475.46	1/4	4,816.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,454.82	1/2	3,797.72	1/2	4,140.67	1/2	4,482.57	1/2	4,823.91	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,461.96	3/4	3,804.86	3/4	4,147.82	3/4	4,489.69	3/4	4,831.00	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,469.10	5	3,812.01	5	4,154.96	5	4,496.80	5	4,838.09	5	5	5	5	5	5	5	5	5	5
1/4	3,476.24	1/4	3,819.15	1/4	4,162.11	1/4	4,503.91	1/4	4,845.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,483.39	1/2	3,826.30	1/2	4,169.25	1/2	4,511.02	1/2	4,852.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,490.53	3/4	3,833.44	3/4	4,176.40	3/4	4,518.14	3/4	4,859.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,497.67	6	3,840.59	6	4,183.54	6	4,525.25	6	4,866.36	6	6	6	6	6	6	6	6	6	6
1/4	3,504.82	1/4	3,847.73	1/4	4,190.69	1/4	4,532.36	1/4	4,873.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,511.96	1/2	3,854.88	1/2	4,197.83	1/2	4,539.47	1/2	4,880.49	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,519.10	3/4	3,862.02	3/4	4,204.98	3/4	4,546.58	3/4	4,887.56	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,526.24	7	3,869.17	7	4,212.12	7	4,553.70	7	4,894.62	7	7	7	7	7	7	7	7	7	7
1/4	3,533.39	1/4	3,876.31	1/4	4,219.27	1/4	4,560.81	1/4	4,901.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,540.53	1/2	3,883.46	1/2	4,226.41	1/2	4,567.92	1/2	4,908.74	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,547.67	3/4	3,890.60	3/4	4,233.56	3/4	4,575.03	3/4	4,915.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,554.82	8	3,897.74	8	4,240.70	8	4,582.14	8	4,922.86	8	8	8	8	8	8	8	8	8	8
1/4	3,561.96	1/4	3,904.89	1/4	4,247.83	1/4	4,589.26	1/4	4,929.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,569.10	1/2	3,912.03	1/2	4,254.95	1/2	4,596.37	1/2	4,936.91	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,576.25	3/4	3,919.18	3/4	4,262.08	3/4	4,603.48	3/4	4,943.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,583.39	9	3,926.32	9	4,269.21	9	4,610.59	9	4,950.96	9	9	9	9	9	9	9	9	9	9
1/4	3,590.53	1/4	3,933.47	1/4	4,276.32	1/4	4,617.71	1/4	4,957.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,597.67	1/2	3,940.61	1/2	4,283.43	1/2	4,624.82	1/2	4,964.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,604.82	3/4	3,947.76	3/4	4,290.54	3/4	4,631.93	3/4	4,970.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,611.96	10	3,954.90	10	4,297.66	10	4,639.04	10	4,977.31	10	10	10	10	10	10	10	10	10	10
1/4	3,619.10	1/4	3,962.05	1/4	4,304.77	1/4	4,646.15	1/4	4,982.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,626.24	1/2	3,969.19	1/2	4,311.88	1/2	4,653.27	1/2	4,988.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,633.39	3/4	3,976.34	3/4	4,318.99	3/4	4,660.38	3/4	4,994.05	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,640.53	11	3,983.48	11	4,326.11	11	4,667.49	11	4,999.62	11	11	11	11	11	11	11	11	11	11
1/4	3,647.67	1/4	3,990.63	1/4	4,333.22	1/4	4,674.60	1/4	5,004.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,654.82	1/2	3,997.77	1/2	4,340.33	1/2	4,681.72	1/2	5,008.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,661.96	3/4	4,004.92	3/4	4,347.44	3/4	4,688.83	3/4	5,012.79	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
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Pearland, Texas 77588
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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

2 PORT INNAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.16	0	300.69	0	644.14	0	979.73	0	1,316.56	0	1,660.02	0	2,003.48	0	2,346.95	0	2,690.41	0	3,033.88
1/4	3.94	1/4	307.84	1/4	651.29	1/4	986.58	1/4	1,323.71	1/4	1,667.18	1/4	2,010.64	1/4	2,354.10	1/4	2,697.57	1/4	3,041.03
1/2	5.73	1/2	315.00	1/2	658.45	1/2	993.42	1/2	1,330.87	1/2	1,674.33	1/2	2,017.79	1/2	2,361.26	1/2	2,704.72	1/2	3,048.18
3/4	7.52	3/4	322.15	3/4	665.60	3/4	1,000.27	3/4	1,338.02	3/4	1,681.49	3/4	2,024.95	3/4	2,368.41	3/4	2,711.88	3/4	3,055.34
1	9.31	1	329.31	1	672.76	1	1,007.12	1	1,345.18	1	1,688.64	1	2,032.11	1	2,375.57	1	2,719.03	1	3,062.49
1/4	12.89	1/4	336.46	1/4	679.91	1/4	1,013.97	1/4	1,352.33	1/4	1,695.80	1/4	2,039.26	1/4	2,382.73	1/4	2,726.19	1/4	3,069.65
1/2	16.46	1/2	343.62	1/2	687.07	1/2	1,020.82	1/2	1,359.49	1/2	1,702.95	1/2	2,046.42	1/2	2,389.88	1/2	2,733.34	1/2	3,076.80
3/4	20.04	3/4	350.77	3/4	694.22	3/4	1,027.66	3/4	1,366.64	3/4	1,710.11	3/4	2,053.57	3/4	2,397.04	3/4	2,740.50	3/4	3,083.95
2	23.62	2	357.93	2	701.38	2	1,034.51	2	1,373.80	2	1,717.26	2	2,060.73	2	2,404.19	2	2,747.66	2	3,091.11
1/4	28.99	1/4	365.08	1/4	708.53	1/4	1,041.36	1/4	1,380.96	1/4	1,724.42	1/4	2,067.88	1/4	2,411.35	1/4	2,754.81	1/4	3,098.26
1/2	34.35	1/2	372.24	1/2	715.69	1/2	1,048.21	1/2	1,388.11	1/2	1,731.57	1/2	2,075.04	1/2	2,418.50	1/2	2,761.97	1/2	3,105.41
3/4	39.72	3/4	379.39	3/4	722.84	3/4	1,055.05	3/4	1,395.27	3/4	1,738.73	3/4	2,082.19	3/4	2,425.66	3/4	2,769.12	3/4	3,112.57
3	45.08	3	386.55	3	730.00	3	1,061.90	3	1,402.42	3	1,745.89	3	2,089.35	3	2,432.81	3	2,776.28	3	3,119.72
1/4	51.77	1/4	393.70	1/4	737.15	1/4	1,068.75	1/4	1,409.58	1/4	1,753.04	1/4	2,096.51	1/4	2,439.97	1/4	2,783.43	1/4	3,126.88
1/2	58.46	1/2	400.86	1/2	744.31	1/2	1,075.61	1/2	1,416.73	1/2	1,760.20	1/2	2,103.66	1/2	2,447.12	1/2	2,790.59	1/2	3,134.03
3/4	65.15	3/4	408.01	3/4	751.46	3/4	1,082.46	3/4	1,423.89	3/4	1,767.35	3/4	2,110.82	3/4	2,454.28	3/4	2,797.74	3/4	3,141.18
4	71.84	4	415.17	4	758.62	4	1,089.31	4	1,431.04	4	1,774.51	4	2,117.97	4	2,461.44	4	2,804.90	4	3,148.34
1/4	78.97	1/4	422.33	1/4	765.77	1/4	1,096.17	1/4	1,438.20	1/4	1,781.66	1/4	2,125.13	1/4	2,468.59	1/4	2,812.06	1/4	3,155.49
1/2	86.10	1/2	429.48	1/2	772.93	1/2	1,103.04	1/2	1,445.35	1/2	1,788.82	1/2	2,132.28	1/2	2,475.75	1/2	2,819.21	1/2	3,162.64
3/4	93.23	3/4	436.64	3/4	780.09	3/4	1,109.90	3/4	1,452.51	3/4	1,795.97	3/4	2,139.44	3/4	2,482.90	3/4	2,826.37	3/4	3,169.80
5	100.37	5	443.79	5	787.24	5	1,116.77	5	1,459.67	5	1,803.13	5	2,146.59	5	2,490.06	5	2,833.52	5	3,176.95
1/4	107.52	1/4	450.95	1/4	794.26	1/4	1,123.78	1/4	1,466.82	1/4	1,810.29	1/4	2,153.75	1/4	2,497.21	1/4	2,840.68	1/4	3,184.10
1/2	114.67	1/2	458.10	1/2	801.27	1/2	1,130.80	1/2	1,473.98	1/2	1,817.44	1/2	2,160.90	1/2	2,504.37	1/2	2,847.83	1/2	3,191.26
3/4	121.81	3/4	465.26	3/4	808.29	3/4	1,137.81	3/4	1,481.13	3/4	1,824.60	3/4	2,168.06	3/4	2,511.52	3/4	2,854.99	3/4	3,198.41
6	128.96	6	472.41	6	815.30	6	1,144.82	6	1,488.29	6	1,831.75	6	2,175.22	6	2,518.68	6	2,862.14	6	3,205.56
1/4	136.12	1/4	479.57	1/4	822.17	1/4	1,151.98	1/4	1,495.44	1/4	1,838.91	1/4	2,182.37	1/4	2,525.84	1/4	2,869.30	1/4	3,212.72
1/2	143.27	1/2	486.72	1/2	829.03	1/2	1,159.13	1/2	1,502.60	1/2	1,846.06	1/2	2,189.53	1/2	2,532.99	1/2	2,876.45	1/2	3,219.87
3/4	150.43	3/4	493.88	3/4	835.90	3/4	1,166.29	3/4	1,509.75	3/4	1,853.22	3/4	2,196.68	3/4	2,540.15	3/4	2,883.61	3/4	3,227.02
7	157.58	7	501.03	7	842.76	7	1,173.45	7	1,516.91	7	1,860.37	7	2,203.84	7	2,547.30	7	2,890.77	7	3,234.18
1/4	164.74	1/4	508.19	1/4	849.61	1/4	1,180.60	1/4	1,524.07	1/4	1,867.53	1/4	2,210.99	1/4	2,554.46	1/4	2,897.92	1/4	3,241.33
1/2	171.89	1/2	515.34	1/2	856.46	1/2	1,187.76	1/2	1,531.22	1/2	1,874.68	1/2	2,218.15	1/2	2,561.61	1/2	2,905.08	1/2	3,248.48
3/4	179.05	3/4	522.50	3/4	863.31	3/4	1,194.91	3/4	1,538.38	3/4	1,881.84	3/4	2,225.30	3/4	2,568.77	3/4	2,912.23	3/4	3,255.64
8	186.20	8	529.65	8	870.17	8	1,202.07	8	1,545.53	8	1,889.00	8	2,232.46	8	2,575.92	8	2,919.39	8	3,262.79
1/4	193.36	1/4	536.81	1/4	877.01	1/4	1,209.22	1/4	1,552.69	1/4	1,896.15	1/4	2,239.62	1/4	2,583.08	1/4	2,926.54	1/4	3,269.95
1/2	200.51	1/2	543.96	1/2	883.86	1/2	1,216.38	1/2	1,559.84	1/2	1,903.31	1/2	2,246.77	1/2	2,590.23	1/2	2,933.70	1/2	3,277.10
3/4	207.67	3/4	551.12	3/4	890.71	3/4	1,223.53	3/4	1,567.00	3/4	1,910.46	3/4	2,253.93	3/4	2,597.39	3/4	2,940.85	3/4	3,284.25
9	214.82	9	558.27	9	897.56	9	1,230.69	9	1,574.15	9	1,917.62	9	2,261.08	9	2,604.55	9	2,948.01	9	3,291.41
1/4	221.98	1/4	565.43	1/4	904.40	1/4	1,237.85	1/4	1,581.31	1/4	1,924.77	1/4	2,268.24	1/4	2,611.70	1/4	2,955.17	1/4	3,298.56
1/2	229.13	1/2	572.58	1/2	911.25	1/2	1,245.00	1/2	1,588.46	1/2	1,931.93	1/2	2,275.39	1/2	2,618.86	1/2	2,962.32	1/2	3,305.71
3/4	236.29	3/4	579.74	3/4	918.10	3/4	1,252.16	3/4	1,595.62	3/4	1,939.08	3/4	2,282.55	3/4	2,626.01	3/4	2,969.48	3/4	3,312.87
10	243.45	10	586.89	10	924.95	10	1,259.31	10	1,602.78	10	1,946.24	10	2,289.70	10	2,633.17	10	2,976.63	10	3,320.02
1/4	250.60	1/4	594.05	1/4	931.79	1/4	1,266.47	1/4	1,609.93	1/4	1,953.40	1/4	2,296.86	1/4	2,640.32	1/4	2,983.79	1/4	3,327.17
1/2	257.76	1/2	601.21	1/2	938.64	1/2	1,273.62	1/2	1,617.09	1/2	1,960.55	1/2	2,304.01	1/2	2,647.48	1/2	2,990.94	1/2	3,334.33
3/4	264.91	3/4	608.36	3/4	945.49	3/4	1,280.78	3/4	1,624.24	3/4	1,967.71	3/4	2,311.17	3/4	2,654.63	3/4	2,998.10	3/4	3,341.48
11	272.07	11	615.52	11	952.34	11	1,287.93	11	1,631.40	11	1,974.86	11	2,318.33	11	2,661.79	11	3,005.25	11	3,348.63
1/4	279.22	1/4	622.67	1/4	959.19	1/4	1,295.09	1/4	1,638.55	1/4	1,982.02	1/4	2,325.48	1/4	2,668.95	1/4	3,012.41	1/4	3,355.79
1/2	286.38	1/2	629.83	1/2	966.03	1/2	1,302.24	1/2	1,645.71	1/2	1,989.17	1/2	2,332.64	1/2	2,676.10	1/2	3,019.56	1/2	3,362.94
3/4	293.53	3/4	636.98	3/4	972.88	3/4	1,309.40	3/4	1,652.86	3/4	1,996.33	3/4	2,339.79	3/4	2,683.26	3/4	3,026.72	3/4	3,370.09

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

2 PORT INNAGE TABLE 10" HATCH GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,377.25	0	3,720.62	0	4,063.98	0	4,406.90	0	4,748.70	0	5,070.32	0		0		0		0	
1/4	3,384.40	1/4	3,727.77	1/4	4,071.14	1/4	4,414.02	1/4	4,755.82	1/4	5,073.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,391.55	1/2	3,734.92	1/2	4,078.29	1/2	4,421.14	1/2	4,762.94	1/2	5,076.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,398.71	3/4	3,742.08	3/4	4,085.44	3/4	4,428.26	3/4	4,770.06	3/4	5,079.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,405.86	1	3,749.23	1	4,092.60	1	4,435.38	1	4,777.18	1	5,083.12	1		1		1		1	
1/4	3,413.02	1/4	3,756.38	1/4	4,099.75	1/4	4,442.50	1/4	4,784.30	1/4	5,085.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,420.17	1/2	3,763.54	1/2	4,106.90	1/2	4,449.62	1/2	4,791.42	1/2	5,087.13	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,427.32	3/4	3,770.69	3/4	4,114.06	3/4	4,456.74	3/4	4,798.54	3/4	5,089.14	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,434.48	2	3,777.84	2	4,121.21	2	4,463.86	2	4,805.67	2	5,091.15	2		2		2		2	
1/4	3,441.63	1/4	3,785.00	1/4	4,128.37	1/4	4,470.98	1/4	4,812.79	1/4	5,092.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,448.78	1/2	3,792.15	1/2	4,135.52	1/2	4,478.10	1/2	4,819.91	1/2	5,093.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,455.94	3/4	3,799.30	3/4	4,142.67	3/4	4,485.23	3/4	4,827.03	3/4	5,093.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,463.09	3	3,806.46	3	4,149.83	3	4,492.35	3	4,834.15	3	5,094.87	3		3		3		3	
1/4	3,470.24	1/4	3,813.61	1/4	4,156.98	1/4	4,499.47	1/4	4,841.27	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,477.40	1/2	3,820.76	1/2	4,164.13	1/2	4,506.59	1/2	4,848.39	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,484.55	3/4	3,827.92	3/4	4,171.29	3/4	4,513.71	3/4	4,855.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,491.70	4	3,835.07	4	4,178.44	4	4,520.83	4	4,862.63	4		4		4		4		4	
1/4	3,498.86	1/4	3,842.23	1/4	4,185.59	1/4	4,527.95	1/4	4,869.73	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,506.01	1/2	3,849.38	1/2	4,192.75	1/2	4,535.07	1/2	4,876.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,513.16	3/4	3,856.53	3/4	4,199.90	3/4	4,542.19	3/4	4,883.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,520.32	5	3,863.69	5	4,207.05	5	4,549.31	5	4,891.02	5		5		5		5		5	
1/4	3,527.47	1/4	3,870.84	1/4	4,214.21	1/4	4,556.43	1/4	4,898.10	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,534.62	1/2	3,877.99	1/2	4,221.36	1/2	4,563.56	1/2	4,905.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,541.78	3/4	3,885.15	3/4	4,228.51	3/4	4,570.68	3/4	4,912.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,548.93	6	3,892.30	6	4,235.67	6	4,577.80	6	4,919.33	6		6		6		6		6	
1/4	3,556.09	1/4	3,899.45	1/4	4,242.82	1/4	4,584.92	1/4	4,926.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,563.24	1/2	3,906.61	1/2	4,249.97	1/2	4,592.04	1/2	4,933.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,570.39	3/4	3,913.76	3/4	4,257.13	3/4	4,599.16	3/4	4,940.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,577.55	7	3,920.91	7	4,264.28	7	4,606.28	7	4,947.62	7		7		7		7		7	
1/4	3,584.70	1/4	3,928.07	1/4	4,271.44	1/4	4,613.40	1/4	4,954.69	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,591.85	1/2	3,935.22	1/2	4,278.59	1/2	4,620.52	1/2	4,961.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,599.01	3/4	3,942.37	3/4	4,285.74	3/4	4,627.64	3/4	4,968.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,606.16	8	3,949.53	8	4,292.90	8	4,634.76	8	4,975.89	8		8		8		8		8	
1/4	3,613.31	1/4	3,956.68	1/4	4,300.03	1/4	4,641.89	1/4	4,982.93	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,620.47	1/2	3,963.83	1/2	4,307.17	1/2	4,649.01	1/2	4,989.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,627.62	3/4	3,970.99	3/4	4,314.31	3/4	4,656.13	3/4	4,997.00	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,634.77	9	3,978.14	9	4,321.44	9	4,663.25	9	5,004.03	9		9		9		9		9	
1/4	3,641.93	1/4	3,985.30	1/4	4,328.57	1/4	4,670.37	1/4	5,010.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,649.08	1/2	3,992.45	1/2	4,335.69	1/2	4,677.49	1/2	5,017.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,656.23	3/4	3,999.60	3/4	4,342.81	3/4	4,684.61	3/4	5,023.81	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,663.39	10	4,006.76	10	4,349.93	10	4,691.73	10	5,030.41	10		10		10		10		10	
1/4	3,670.54	1/4	4,013.91	1/4	4,357.05	1/4	4,698.85	1/4	5,035.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,677.69	1/2	4,021.06	1/2	4,364.17	1/2	4,705.97	1/2	5,041.58	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,684.85	3/4	4,028.22	3/4	4,371.29	3/4	4,713.09	3/4	5,047.16	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,692.00	11	4,035.37	11	4,378.41	11	4,720.22	11	5,052.75	11		11		11		11		11	
1/4	3,699.16	1/4	4,042.52	1/4	4,385.53	1/4	4,727.34	1/4	5,057.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,706.31	1/2	4,049.68	1/2	4,392.65	1/2	4,734.46	1/2	5,061.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,713.46	3/4	4,056.83	3/4	4,399.77	3/4	4,741.58	3/4	5,065.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

2 STBD
INNAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	300.34	0	643.40	0	986.19	0	1,329.04	0	1,672.11	0	2,015.18	0	2,358.25	0	2,701.32	0	3,044.39
1/4	3.94	1/4	307.49	1/4	650.55	1/4	993.32	1/4	1,336.18	1/4	1,679.25	1/4	2,022.32	1/4	2,365.39	1/4	2,708.46	1/4	3,051.53
1/2	5.73	1/2	314.64	1/2	657.69	1/2	1,000.45	1/2	1,343.33	1/2	1,686.40	1/2	2,029.47	1/2	2,372.54	1/2	2,715.61	1/2	3,058.68
3/4	7.51	3/4	321.78	3/4	664.84	3/4	1,007.58	3/4	1,350.48	3/4	1,693.55	3/4	2,036.62	3/4	2,379.69	3/4	2,722.76	3/4	3,065.82
1	9.30	1	328.93	1	671.99	1	1,014.72	1	1,357.62	1	1,700.70	1	2,043.77	1	2,386.84	1	2,729.91	1	3,072.97
1/4	12.87	1/4	336.08	1/4	679.13	1/4	1,021.85	1/4	1,364.77	1/4	1,707.84	1/4	2,050.91	1/4	2,393.98	1/4	2,737.05	1/4	3,080.11
1/2	16.45	1/2	343.22	1/2	686.28	1/2	1,028.98	1/2	1,371.92	1/2	1,714.99	1/2	2,058.06	1/2	2,401.13	1/2	2,744.20	1/2	3,087.26
3/4	20.02	3/4	350.37	3/4	693.43	3/4	1,036.12	3/4	1,379.07	3/4	1,722.14	3/4	2,065.21	3/4	2,408.28	3/4	2,751.35	3/4	3,094.40
2	23.59	2	357.52	2	700.57	2	1,043.25	2	1,386.21	2	1,729.28	2	2,072.35	2	2,415.43	2	2,758.50	2	3,101.55
1/4	28.95	1/4	364.67	1/4	707.72	1/4	1,050.38	1/4	1,393.36	1/4	1,736.43	1/4	2,079.50	1/4	2,422.57	1/4	2,765.64	1/4	3,108.69
1/2	34.31	1/2	371.81	1/2	714.87	1/2	1,057.52	1/2	1,400.51	1/2	1,743.58	1/2	2,086.65	1/2	2,429.72	1/2	2,772.79	1/2	3,115.84
3/4	39.67	3/4	378.96	3/4	722.02	3/4	1,064.65	3/4	1,407.66	3/4	1,750.73	3/4	2,093.80	3/4	2,436.87	3/4	2,779.94	3/4	3,122.98
3	45.03	3	386.11	3	729.16	3	1,071.78	3	1,414.80	3	1,757.87	3	2,100.94	3	2,444.01	3	2,787.08	3	3,130.13
1/4	51.71	1/4	393.25	1/4	736.31	1/4	1,078.92	1/4	1,421.95	1/4	1,765.02	1/4	2,108.09	1/4	2,451.16	1/4	2,794.23	1/4	3,137.27
1/2	58.39	1/2	400.40	1/2	743.46	1/2	1,086.06	1/2	1,429.10	1/2	1,772.17	1/2	2,115.24	1/2	2,458.31	1/2	2,801.38	1/2	3,144.42
3/4	65.08	3/4	407.55	3/4	750.60	3/4	1,093.20	3/4	1,436.25	3/4	1,779.32	3/4	2,122.39	3/4	2,465.46	3/4	2,808.53	3/4	3,151.56
4	71.76	4	414.69	4	757.75	4	1,100.33	4	1,443.39	4	1,786.46	4	2,129.53	4	2,472.60	4	2,815.67	4	3,158.71
1/4	78.88	1/4	421.84	1/4	764.90	1/4	1,107.48	1/4	1,450.54	1/4	1,793.61	1/4	2,136.68	1/4	2,479.75	1/4	2,822.82	1/4	3,165.85
1/2	86.00	1/2	428.99	1/2	772.04	1/2	1,114.62	1/2	1,457.69	1/2	1,800.76	1/2	2,143.83	1/2	2,486.90	1/2	2,829.97	1/2	3,173.00
3/4	93.13	3/4	436.14	3/4	779.19	3/4	1,121.77	3/4	1,464.83	3/4	1,807.90	3/4	2,150.98	3/4	2,494.05	3/4	2,837.12	3/4	3,180.15
5	100.25	5	443.28	5	786.34	5	1,128.91	5	1,471.98	5	1,815.05	5	2,158.12	5	2,501.19	5	2,844.26	5	3,187.29
1/4	107.39	1/4	450.43	1/4	793.49	1/4	1,136.06	1/4	1,479.13	1/4	1,822.20	1/4	2,165.27	1/4	2,508.34	1/4	2,851.41	1/4	3,194.44
1/2	114.53	1/2	457.58	1/2	800.63	1/2	1,143.21	1/2	1,486.28	1/2	1,829.35	1/2	2,172.42	1/2	2,515.49	1/2	2,858.56	1/2	3,201.58
3/4	121.68	3/4	464.72	3/4	807.78	3/4	1,150.35	3/4	1,493.42	3/4	1,836.49	3/4	2,179.56	3/4	2,522.63	3/4	2,865.71	3/4	3,208.73
6	128.82	6	471.87	6	814.93	6	1,157.50	6	1,500.57	6	1,843.64	6	2,186.71	6	2,529.78	6	2,872.85	6	3,215.87
1/4	135.96	1/4	479.02	1/4	822.07	1/4	1,164.65	1/4	1,507.72	1/4	1,850.79	1/4	2,193.86	1/4	2,536.93	1/4	2,880.00	1/4	3,223.02
1/2	143.11	1/2	486.16	1/2	829.22	1/2	1,171.80	1/2	1,514.87	1/2	1,857.94	1/2	2,201.01	1/2	2,544.08	1/2	2,887.15	1/2	3,230.16
3/4	150.26	3/4	493.31	3/4	836.36	3/4	1,178.94	3/4	1,522.01	3/4	1,865.08	3/4	2,208.15	3/4	2,551.22	3/4	2,894.29	3/4	3,237.31
7	157.40	7	500.46	7	843.51	7	1,186.09	7	1,529.16	7	1,872.23	7	2,215.30	7	2,558.37	7	2,901.44	7	3,244.45
1/4	164.55	1/4	507.61	1/4	850.64	1/4	1,193.24	1/4	1,536.31	1/4	1,879.38	1/4	2,222.45	1/4	2,565.52	1/4	2,908.59	1/4	3,251.60
1/2	171.70	1/2	514.75	1/2	857.78	1/2	1,200.38	1/2	1,543.45	1/2	1,886.53	1/2	2,229.60	1/2	2,572.67	1/2	2,915.74	1/2	3,258.74
3/4	178.84	3/4	521.90	3/4	864.92	3/4	1,207.53	3/4	1,550.60	3/4	1,893.67	3/4	2,236.74	3/4	2,579.81	3/4	2,922.88	3/4	3,265.89
8	185.99	8	529.05	8	872.06	8	1,214.68	8	1,557.75	8	1,900.82	8	2,243.89	8	2,586.96	8	2,930.03	8	3,273.03
1/4	193.14	1/4	536.19	1/4	879.19	1/4	1,221.83	1/4	1,564.90	1/4	1,907.97	1/4	2,251.04	1/4	2,594.11	1/4	2,937.18	1/4	3,280.18
1/2	200.28	1/2	543.34	1/2	886.32	1/2	1,228.97	1/2	1,572.04	1/2	1,915.11	1/2	2,258.18	1/2	2,601.26	1/2	2,944.33	1/2	3,287.33
3/4	207.43	3/4	550.49	3/4	893.45	3/4	1,236.12	3/4	1,579.19	3/4	1,922.26	3/4	2,265.33	3/4	2,608.40	3/4	2,951.47	3/4	3,294.47
9	214.58	9	557.63	9	900.59	9	1,243.27	9	1,586.34	9	1,929.41	9	2,272.48	9	2,615.55	9	2,958.62	9	3,301.62
1/4	221.73	1/4	564.78	1/4	907.72	1/4	1,250.42	1/4	1,593.49	1/4	1,936.56	1/4	2,279.63	1/4	2,622.70	1/4	2,965.77	1/4	3,308.76
1/2	228.87	1/2	571.93	1/2	914.85	1/2	1,257.56	1/2	1,600.63	1/2	1,943.70	1/2	2,286.77	1/2	2,629.84	1/2	2,972.91	1/2	3,315.91
3/4	236.02	3/4	579.08	3/4	921.99	3/4	1,264.71	3/4	1,607.78	3/4	1,950.85	3/4	2,293.92	3/4	2,636.99	3/4	2,980.06	3/4	3,323.05
10	243.17	10	586.22	10	929.12	10	1,271.86	10	1,614.93	10	1,958.00	10	2,301.07	10	2,644.14	10	2,987.21	10	3,330.20
1/4	250.31	1/4	593.37	1/4	936.25	1/4	1,279.00	1/4	1,622.07	1/4	1,965.15	1/4	2,308.22	1/4	2,651.29	1/4	2,994.36	1/4	3,337.34
1/2	257.46	1/2	600.52	1/2	943.39	1/2	1,286.15	1/2	1,629.22	1/2	1,972.29	1/2	2,315.36	1/2	2,658.43	1/2	3,001.50	1/2	3,344.49
3/4	264.61	3/4	607.66	3/4	950.52	3/4	1,293.30	3/4	1,636.37	3/4	1,979.44	3/4	2,322.51	3/4	2,665.58	3/4	3,008.65	3/4	3,351.63
11	271.75	11	614.81	11	957.65	11	1,300.45	11	1,643.52	11	1,986.59	11	2,329.66	11	2,672.73	11	3,015.80	11	3,358.78
1/4	278.90	1/4	621.96	1/4	964.79	1/4	1,307.59	1/4	1,650.66	1/4	1,993.73	1/4	2,336.80	1/4	2,679.88	1/4	3,022.95	1/4	3,365.92
1/2	286.05	1/2	629.10	1/2	971.92	1/2	1,314.74	1/2	1,657.81	1/2	2,000.88	1/2	2,343.95	1/2	2,687.02	1/2	3,030.09	1/2	3,373.07
3/4	293.20	3/4	636.25	3/4	979.05	3/4	1,321.89	3/4	1,664.96	3/4	2,008.03	3/4	2,351.10	3/4	2,694.17	3/4	3,037.24	3/4	3,380.21

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

**2 STBD
INNAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,387.36	0	3,730.34	0	4,073.41	0	4,416.02	0	4,757.52	0	5,078.88	0		0		0		0	
1/4	3,394.50	1/4	3,737.49	1/4	4,080.56	1/4	4,423.14	1/4	4,764.64	1/4	5,082.07	1/4		1/4		1/4		1/4	
1/2	3,401.65	1/2	3,744.64	1/2	4,087.71	1/2	4,430.25	1/2	4,771.75	1/2	5,085.27	1/2		1/2		1/2		1/2	
3/4	3,408.80	3/4	3,751.79	3/4	4,094.86	3/4	4,437.37	3/4	4,778.87	3/4	5,088.47	3/4		3/4		3/4		3/4	
1	3,415.94	1	3,758.93	1	4,102.00	1	4,444.48	1	4,785.98	1	5,091.67	1		1		1		1	
1/4	3,423.09	1/4	3,766.08	1/4	4,109.15	1/4	4,451.60	1/4	4,793.10	1/4	5,093.68	1/4		1/4		1/4		1/4	
1/2	3,430.23	1/2	3,773.23	1/2	4,116.30	1/2	4,458.71	1/2	4,800.21	1/2	5,095.68	1/2		1/2		1/2		1/2	
3/4	3,437.38	3/4	3,780.37	3/4	4,123.44	3/4	4,465.83	3/4	4,807.33	3/4	5,097.69	3/4		3/4		3/4		3/4	
2	3,444.52	2	3,787.52	2	4,130.59	2	4,472.94	2	4,814.44	2	5,099.70	2		2		2		2	
1/4	3,451.67	1/4	3,794.67	1/4	4,137.74	1/4	4,480.06	1/4	4,821.56	1/4	5,100.63	1/4		1/4		1/4		1/4	
1/2	3,458.81	1/2	3,801.82	1/2	4,144.89	1/2	4,487.17	1/2	4,828.67	1/2	5,101.56	1/2		1/2		1/2		1/2	
3/4	3,465.96	3/4	3,808.96	3/4	4,152.03	3/4	4,494.28	3/4	4,835.79	3/4	5,102.49	3/4		3/4		3/4		3/4	
3	3,473.10	3	3,816.11	3	4,159.18	3	4,501.40	3	4,842.90	3	5,103.41	3		3		3		3	
1/4	3,480.25	1/4	3,823.26	1/4	4,166.33	1/4	4,508.51	1/4	4,850.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,487.39	1/2	3,830.41	1/2	4,173.48	1/2	4,515.63	1/2	4,857.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,494.54	3/4	3,837.55	3/4	4,180.62	3/4	4,522.74	3/4	4,864.24	3/4		3/4		3/4		3/4		3/4	
4	3,501.68	4	3,844.70	4	4,187.77	4	4,529.86	4	4,871.36	4		4		4		4		4	
1/4	3,508.83	1/4	3,851.85	1/4	4,194.92	1/4	4,536.97	1/4	4,878.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,515.97	1/2	3,858.99	1/2	4,202.07	1/2	4,544.09	1/2	4,885.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,523.12	3/4	3,866.14	3/4	4,209.21	3/4	4,551.20	3/4	4,892.64	3/4		3/4		3/4		3/4		3/4	
5	3,530.27	5	3,873.29	5	4,216.36	5	4,558.32	5	4,899.73	5		5		5		5		5	
1/4	3,537.41	1/4	3,880.44	1/4	4,223.51	1/4	4,565.43	1/4	4,906.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,544.56	1/2	3,887.58	1/2	4,230.65	1/2	4,572.55	1/2	4,913.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,551.70	3/4	3,894.73	3/4	4,237.80	3/4	4,579.66	3/4	4,920.94	3/4		3/4		3/4		3/4		3/4	
6	3,558.85	6	3,901.88	6	4,244.95	6	4,586.77	6	4,928.01	6		6		6		6		6	
1/4	3,565.99	1/4	3,909.03	1/4	4,252.10	1/4	4,593.89	1/4	4,935.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,573.14	1/2	3,916.17	1/2	4,259.24	1/2	4,601.00	1/2	4,942.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,580.28	3/4	3,923.32	3/4	4,266.39	3/4	4,608.12	3/4	4,949.21	3/4		3/4		3/4		3/4		3/4	
7	3,587.43	7	3,930.47	7	4,273.54	7	4,615.23	7	4,956.28	7		7		7		7		7	
1/4	3,594.57	1/4	3,937.61	1/4	4,280.69	1/4	4,622.35	1/4	4,963.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,601.72	1/2	3,944.76	1/2	4,287.83	1/2	4,629.46	1/2	4,970.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,608.86	3/4	3,951.91	3/4	4,294.98	3/4	4,636.58	3/4	4,977.47	3/4		3/4		3/4		3/4		3/4	
8	3,616.01	8	3,959.06	8	4,302.13	8	4,643.69	8	4,984.53	8		8		8		8		8	
1/4	3,623.15	1/4	3,966.20	1/4	4,309.26	1/4	4,650.81	1/4	4,991.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,630.30	1/2	3,973.35	1/2	4,316.39	1/2	4,657.92	1/2	4,998.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,637.44	3/4	3,980.50	3/4	4,323.52	3/4	4,665.04	3/4	5,005.61	3/4		3/4		3/4		3/4		3/4	
9	3,644.59	9	3,987.65	9	4,330.65	9	4,672.15	9	5,012.64	9		9		9		9		9	
1/4	3,651.74	1/4	3,994.79	1/4	4,337.76	1/4	4,679.26	1/4	5,019.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,658.88	1/2	4,001.94	1/2	4,344.88	1/2	4,686.38	1/2	5,025.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,666.03	3/4	4,009.09	3/4	4,351.99	3/4	4,693.49	3/4	5,032.41	3/4		3/4		3/4		3/4		3/4	
10	3,673.17	10	4,016.24	10	4,359.11	10	4,700.61	10	5,039.00	10		10		10		10		10	
1/4	3,680.32	1/4	4,023.38	1/4	4,366.22	1/4	4,707.72	1/4	5,044.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,687.46	1/2	4,030.53	1/2	4,373.34	1/2	4,714.84	1/2	5,050.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,694.61	3/4	4,037.68	3/4	4,380.45	3/4	4,721.95	3/4	5,055.74	3/4		3/4		3/4		3/4		3/4	
11	3,701.75	11	4,044.82	11	4,387.57	11	4,729.07	11	5,061.32	11		11		11		11		11	
1/4	3,708.90	1/4	4,051.97	1/4	4,394.68	1/4	4,736.18	1/4	5,065.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,716.05	1/2	4,059.12	1/2	4,401.79	1/2	4,743.30	1/2	5,070.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,723.20	3/4	4,066.27	3/4	4,408.91	3/4	4,750.41	3/4	5,074.49	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

3 PORT INNAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	299.54	0	641.25	0	975.10	0	1,310.16	0	1,651.69	0	1,993.21	0	2,334.74	0	2,676.23	0	3,017.88
1/4	3.93	1/4	306.67	1/4	648.36	1/4	981.91	1/4	1,317.28	1/4	1,658.80	1/4	2,000.33	1/4	2,341.85	1/4	2,683.35	1/4	3,025.00
1/2	5.71	1/2	313.80	1/2	655.48	1/2	988.71	1/2	1,324.39	1/2	1,665.92	1/2	2,007.44	1/2	2,348.97	1/2	2,690.46	1/2	3,032.12
3/4	7.49	3/4	320.93	3/4	662.60	3/4	995.52	3/4	1,331.51	3/4	1,673.03	3/4	2,014.56	3/4	2,356.08	3/4	2,697.58	3/4	3,039.23
1	9.28	1	328.06	1	669.71	1	1,002.32	1	1,338.62	1	1,680.15	1	2,021.67	1	2,363.20	1	2,704.69	1	3,046.35
1/4	12.84	1/4	335.18	1/4	676.83	1/4	1,009.13	1/4	1,345.74	1/4	1,687.26	1/4	2,028.79	1/4	2,370.31	1/4	2,711.80	1/4	3,053.46
1/2	16.40	1/2	342.31	1/2	683.94	1/2	1,015.93	1/2	1,352.85	1/2	1,694.38	1/2	2,035.90	1/2	2,377.43	1/2	2,718.92	1/2	3,060.57
3/4	19.97	3/4	349.44	3/4	691.06	3/4	1,022.74	3/4	1,359.97	3/4	1,701.49	3/4	2,043.02	3/4	2,384.54	3/4	2,726.03	3/4	3,067.68
2	23.53	2	356.57	2	698.18	2	1,029.55	2	1,367.08	2	1,708.61	2	2,050.13	2	2,391.66	2	2,733.15	2	3,074.79
1/4	28.88	1/4	363.69	1/4	705.29	1/4	1,036.35	1/4	1,374.20	1/4	1,715.72	1/4	2,057.25	1/4	2,398.77	1/4	2,740.26	1/4	3,081.90
1/2	34.22	1/2	370.81	1/2	712.41	1/2	1,043.16	1/2	1,381.31	1/2	1,722.84	1/2	2,064.36	1/2	2,405.89	1/2	2,747.38	1/2	3,089.01
3/4	39.57	3/4	377.93	3/4	719.53	3/4	1,049.96	3/4	1,388.43	3/4	1,729.95	3/4	2,071.48	3/4	2,413.00	3/4	2,754.49	3/4	3,096.12
3	44.91	3	385.06	3	726.64	3	1,056.77	3	1,395.55	3	1,737.07	3	2,078.59	3	2,420.12	3	2,761.60	3	3,103.23
1/4	51.58	1/4	392.17	1/4	733.76	1/4	1,063.58	1/4	1,402.66	1/4	1,744.19	1/4	2,085.71	1/4	2,427.23	1/4	2,768.72	1/4	3,110.33
1/2	58.24	1/2	399.29	1/2	740.88	1/2	1,070.39	1/2	1,409.78	1/2	1,751.30	1/2	2,092.82	1/2	2,434.35	1/2	2,775.83	1/2	3,117.44
3/4	64.90	3/4	406.41	3/4	747.99	3/4	1,077.20	3/4	1,416.89	3/4	1,758.42	3/4	2,099.94	3/4	2,441.46	3/4	2,782.95	3/4	3,124.54
4	71.57	4	413.52	4	755.11	4	1,084.01	4	1,424.01	4	1,765.53	4	2,107.06	4	2,448.58	4	2,790.06	4	3,131.64
1/4	78.67	1/4	420.64	1/4	762.23	1/4	1,090.86	1/4	1,431.12	1/4	1,772.65	1/4	2,114.17	1/4	2,455.70	1/4	2,797.18	1/4	3,138.73
1/2	85.78	1/2	427.75	1/2	769.34	1/2	1,097.71	1/2	1,438.24	1/2	1,779.76	1/2	2,121.29	1/2	2,462.81	1/2	2,804.29	1/2	3,145.82
3/4	92.88	3/4	434.87	3/4	776.46	3/4	1,104.55	3/4	1,445.35	3/4	1,786.88	3/4	2,128.40	3/4	2,469.93	3/4	2,811.40	3/4	3,152.92
5	99.99	5	441.99	5	783.57	5	1,111.40	5	1,452.47	5	1,793.99	5	2,135.52	5	2,477.04	5	2,818.52	5	3,160.01
1/4	107.11	1/4	449.10	1/4	790.57	1/4	1,118.40	1/4	1,459.58	1/4	1,801.11	1/4	2,142.63	1/4	2,484.15	1/4	2,825.63	1/4	3,167.10
1/2	114.23	1/2	456.22	1/2	797.57	1/2	1,125.40	1/2	1,466.70	1/2	1,808.22	1/2	2,149.75	1/2	2,491.27	1/2	2,832.75	1/2	3,174.20
3/4	121.35	3/4	463.34	3/4	804.57	3/4	1,132.40	3/4	1,473.81	3/4	1,815.34	3/4	2,156.86	3/4	2,498.38	3/4	2,839.86	3/4	3,181.29
6	128.47	6	470.45	6	811.57	6	1,139.40	6	1,480.93	6	1,822.45	6	2,163.98	6	2,505.49	6	2,846.97	6	3,188.38
1/4	135.60	1/4	477.57	1/4	818.42	1/4	1,146.52	1/4	1,488.04	1/4	1,829.57	1/4	2,171.09	1/4	2,512.61	1/4	2,854.09	1/4	3,195.47
1/2	142.73	1/2	484.69	1/2	825.27	1/2	1,153.63	1/2	1,495.16	1/2	1,836.68	1/2	2,178.21	1/2	2,519.72	1/2	2,861.20	1/2	3,202.57
3/4	149.86	3/4	491.80	3/4	832.12	3/4	1,160.75	3/4	1,502.27	3/4	1,843.80	3/4	2,185.32	3/4	2,526.84	3/4	2,868.32	3/4	3,209.66
7	156.98	7	498.92	7	838.97	7	1,167.86	7	1,509.39	7	1,850.91	7	2,192.44	7	2,533.95	7	2,875.43	7	3,216.75
1/4	164.11	1/4	506.03	1/4	845.78	1/4	1,174.98	1/4	1,516.50	1/4	1,858.03	1/4	2,199.55	1/4	2,541.06	1/4	2,882.55	1/4	3,223.85
1/2	171.24	1/2	513.15	1/2	852.59	1/2	1,182.09	1/2	1,523.62	1/2	1,865.14	1/2	2,206.67	1/2	2,548.18	1/2	2,889.66	1/2	3,230.94
3/4	178.37	3/4	520.27	3/4	859.40	3/4	1,189.21	3/4	1,530.73	3/4	1,872.26	3/4	2,213.78	3/4	2,555.29	3/4	2,896.77	3/4	3,238.03
8	185.50	8	527.38	8	866.21	8	1,196.32	8	1,537.85	8	1,879.37	8	2,220.90	8	2,562.41	8	2,903.89	8	3,245.12
1/4	192.62	1/4	534.50	1/4	873.02	1/4	1,203.44	1/4	1,544.96	1/4	1,886.49	1/4	2,228.01	1/4	2,569.52	1/4	2,911.01	1/4	3,252.22
1/2	199.75	1/2	541.62	1/2	879.82	1/2	1,210.55	1/2	1,552.08	1/2	1,893.60	1/2	2,235.13	1/2	2,576.64	1/2	2,918.13	1/2	3,259.31
3/4	206.88	3/4	548.73	3/4	886.63	3/4	1,217.67	3/4	1,559.19	3/4	1,900.72	3/4	2,242.24	3/4	2,583.75	3/4	2,925.25	3/4	3,266.40
9	214.01	9	555.85	9	893.43	9	1,224.78	9	1,566.31	9	1,907.83	9	2,249.36	9	2,590.86	9	2,932.37	9	3,273.50
1/4	221.14	1/4	562.97	1/4	900.24	1/4	1,231.90	1/4	1,573.42	1/4	1,914.95	1/4	2,256.47	1/4	2,597.98	1/4	2,939.50	1/4	3,280.59
1/2	228.26	1/2	570.08	1/2	907.04	1/2	1,239.01	1/2	1,580.54	1/2	1,922.06	1/2	2,263.59	1/2	2,605.09	1/2	2,946.62	1/2	3,287.69
3/4	235.39	3/4	577.20	3/4	913.85	3/4	1,246.13	3/4	1,587.65	3/4	1,929.18	3/4	2,270.70	3/4	2,612.21	3/4	2,953.75	3/4	3,294.78
10	242.52	10	584.32	10	920.65	10	1,253.24	10	1,594.77	10	1,936.29	10	2,277.82	10	2,619.32	10	2,960.87	10	3,301.87
1/4	249.65	1/4	591.43	1/4	927.46	1/4	1,260.36	1/4	1,601.88	1/4	1,943.41	1/4	2,284.93	1/4	2,626.43	1/4	2,968.00	1/4	3,308.97
1/2	256.78	1/2	598.55	1/2	934.27	1/2	1,267.47	1/2	1,609.00	1/2	1,950.52	1/2	2,292.05	1/2	2,633.55	1/2	2,975.12	1/2	3,316.06
3/4	263.90	3/4	605.66	3/4	941.07	3/4	1,274.59	3/4	1,616.11	3/4	1,957.64	3/4	2,299.16	3/4	2,640.66	3/4	2,982.25	3/4	3,323.16
11	271.03	11	612.78	11	947.88	11	1,281.70	11	1,623.23	11	1,964.75	11	2,306.28	11	2,647.78	11	2,989.38	11	3,330.25
1/4	278.16	1/4	619.90	1/4	954.68	1/4	1,288.82	1/4	1,630.34	1/4	1,971.87	1/4	2,313.39	1/4	2,654.89	1/4	2,996.50	1/4	3,337.35
1/2	285.29	1/2	627.01	1/2	961.49	1/2	1,295.93	1/2	1,637.46	1/2	1,978.98	1/2	2,320.51	1/2	2,662.01	1/2	3,003.63	1/2	3,344.44
3/4	292.42	3/4	634.13	3/4	968.29	3/4	1,303.05	3/4	1,644.57	3/4	1,986.10	3/4	2,327.62	3/4	2,669.12	3/4	3,010.75	3/4	3,351.53

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

3 PORT INNAGE TABLE 10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,353.11	0	3,562.03	0	3,771.71	0	3,981.13	0	4,189.90	0	4,380.39	0		0		0		0	
1/4	3,357.44	1/4	3,566.39	1/4	3,776.08	1/4	3,985.48	1/4	4,194.25	1/4	4,382.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,361.78	1/2	3,570.76	1/2	3,780.45	1/2	3,989.83	1/2	4,198.60	1/2	4,383.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,366.11	3/4	3,575.13	3/4	3,784.82	3/4	3,994.18	3/4	4,202.95	3/4	4,385.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,370.45	1	3,579.50	1	3,789.19	1	3,998.53	1	4,207.30	1	4,387.22	1	1	1	1	1	1	1	1
1/4	3,374.79	1/4	3,583.87	1/4	3,793.56	1/4	4,002.88	1/4	4,211.65	1/4	4,388.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,379.13	1/2	3,588.24	1/2	3,797.92	1/2	4,007.23	1/2	4,216.00	1/2	4,390.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,383.48	3/4	3,592.60	3/4	3,802.29	3/4	4,011.58	3/4	4,220.35	3/4	4,392.34	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,387.82	2	3,596.97	2	3,806.66	2	4,015.93	2	4,224.70	2	4,394.04	2	2	2	2	2	2	2	2
1/4	3,392.17	1/4	3,601.34	1/4	3,811.03	1/4	4,020.28	1/4	4,229.05	1/4	4,395.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,396.53	1/2	3,605.71	1/2	3,815.40	1/2	4,024.63	1/2	4,233.40	1/2	4,396.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,400.88	3/4	3,610.08	3/4	3,819.77	3/4	4,028.97	3/4	4,237.75	3/4	4,397.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,405.23	3	3,614.45	3	3,824.14	3	4,033.32	3	4,242.10	3	4,398.35	3	3	3	3	3	3	3	3
1/4	3,409.59	1/4	3,618.82	1/4	3,828.50	1/4	4,037.67	1/4	4,246.44	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,413.94	1/2	3,623.18	1/2	3,832.87	1/2	4,042.02	1/2	4,250.79	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,418.29	3/4	3,627.55	3/4	3,837.24	3/4	4,046.37	3/4	4,255.14	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,422.64	4	3,631.92	4	3,841.61	4	4,050.72	4	4,259.49	4		4	4	4	4	4	4	4	4
1/4	3,427.00	1/4	3,636.29	1/4	3,845.98	1/4	4,055.07	1/4	4,263.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,431.35	1/2	3,640.66	1/2	3,850.35	1/2	4,059.42	1/2	4,268.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,435.70	3/4	3,645.03	3/4	3,854.71	3/4	4,063.77	3/4	4,272.50	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,440.05	5	3,649.40	5	3,859.08	5	4,068.12	5	4,276.83	5		5	5	5	5	5	5	5	5
1/4	3,444.41	1/4	3,653.76	1/4	3,863.45	1/4	4,072.47	1/4	4,281.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,448.76	1/2	3,658.13	1/2	3,867.82	1/2	4,076.82	1/2	4,285.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,453.11	3/4	3,662.50	3/4	3,872.19	3/4	4,081.17	3/4	4,289.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,457.47	6	3,666.87	6	3,876.56	6	4,085.52	6	4,294.12	6		6	6	6	6	6	6	6	6
1/4	3,461.82	1/4	3,671.24	1/4	3,880.93	1/4	4,089.87	1/4	4,298.44	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,466.17	1/2	3,675.61	1/2	3,885.29	1/2	4,094.22	1/2	4,302.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,470.52	3/4	3,679.97	3/4	3,889.66	3/4	4,098.56	3/4	4,307.08	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,474.88	7	3,684.34	7	3,894.03	7	4,102.91	7	4,311.40	7		7	7	7	7	7	7	7	7
1/4	3,479.23	1/4	3,688.71	1/4	3,898.40	1/4	4,107.26	1/4	4,315.72	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,483.58	1/2	3,693.08	1/2	3,902.77	1/2	4,111.61	1/2	4,320.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,487.93	3/4	3,697.45	3/4	3,907.14	3/4	4,115.96	3/4	4,324.34	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,492.29	8	3,701.82	8	3,911.51	8	4,120.31	8	4,328.66	8		8	8	8	8	8	8	8	8
1/4	3,496.64	1/4	3,706.19	1/4	3,915.86	1/4	4,124.66	1/4	4,332.94	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,500.99	1/2	3,710.55	1/2	3,920.22	1/2	4,129.01	1/2	4,337.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,505.34	3/4	3,714.92	3/4	3,924.58	3/4	4,133.36	3/4	4,341.50	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,509.70	9	3,719.29	9	3,928.94	9	4,137.71	9	4,345.78	9		9	9	9	9	9	9	9	9
1/4	3,514.05	1/4	3,723.66	1/4	3,933.29	1/4	4,142.06	1/4	4,349.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,518.40	1/2	3,728.03	1/2	3,937.64	1/2	4,146.41	1/2	4,353.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,522.76	3/4	3,732.40	3/4	3,941.99	3/4	4,150.76	3/4	4,357.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,527.11	10	3,736.77	10	3,946.34	10	4,155.11	10	4,361.14	10		10	10	10	10	10	10	10	10
1/4	3,531.47	1/4	3,741.13	1/4	3,950.69	1/4	4,159.46	1/4	4,363.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,535.83	1/2	3,745.50	1/2	3,955.03	1/2	4,163.81	1/2	4,366.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,540.19	3/4	3,749.87	3/4	3,959.38	3/4	4,168.16	3/4	4,369.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,544.55	11	3,754.24	11	3,963.73	11	4,172.50	11	4,372.49	11		11	11	11	11	11	11	11	11
1/4	3,548.92	1/4	3,758.61	1/4	3,968.08	1/4	4,176.85	1/4	4,374.47	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,553.29	1/2	3,762.98	1/2	3,972.43	1/2	4,181.20	1/2	4,376.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,557.66	3/4	3,767.34	3/4	3,976.78	3/4	4,185.55	3/4	4,378.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

3 STBD

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	299.65	0	641.90	0	983.90	0	1,325.95	0	1,668.22	0	2,010.50	0	2,352.77	0	2,694.87	0	3,036.27
1/4	3.93	1/4	306.78	1/4	649.03	1/4	991.01	1/4	1,333.08	1/4	1,675.35	1/4	2,017.63	1/4	2,359.90	1/4	2,701.98	1/4	3,043.38
1/2	5.71	1/2	313.91	1/2	656.17	1/2	998.13	1/2	1,340.21	1/2	1,682.48	1/2	2,024.76	1/2	2,367.03	1/2	2,709.09	1/2	3,050.49
3/4	7.50	3/4	321.04	3/4	663.30	3/4	1,005.24	3/4	1,347.34	3/4	1,689.61	3/4	2,031.89	3/4	2,374.16	3/4	2,716.21	3/4	3,057.61
1	9.28	1	328.17	1	670.43	1	1,012.36	1	1,354.47	1	1,696.74	1	2,039.02	1	2,381.29	1	2,723.32	1	3,064.72
1/4	12.84	1/4	335.30	1/4	677.56	1/4	1,019.48	1/4	1,361.60	1/4	1,703.88	1/4	2,046.15	1/4	2,388.42	1/4	2,730.43	1/4	3,071.83
1/2	16.41	1/2	342.43	1/2	684.69	1/2	1,026.59	1/2	1,368.73	1/2	1,711.01	1/2	2,053.28	1/2	2,395.55	1/2	2,737.54	1/2	3,078.94
3/4	19.97	3/4	349.56	3/4	691.82	3/4	1,033.71	3/4	1,375.86	3/4	1,718.14	3/4	2,060.41	3/4	2,402.68	3/4	2,744.66	3/4	3,086.06
2	23.54	2	356.69	2	698.95	2	1,040.83	2	1,382.99	2	1,725.27	2	2,067.54	2	2,409.81	2	2,751.77	2	3,093.17
1/4	28.89	1/4	363.82	1/4	706.08	1/4	1,047.94	1/4	1,390.12	1/4	1,732.40	1/4	2,074.67	1/4	2,416.95	1/4	2,758.88	1/4	3,100.28
1/2	34.23	1/2	370.95	1/2	713.21	1/2	1,055.06	1/2	1,397.26	1/2	1,739.53	1/2	2,081.80	1/2	2,424.08	1/2	2,765.99	1/2	3,107.39
3/4	39.58	3/4	378.08	3/4	720.34	3/4	1,062.18	3/4	1,404.39	3/4	1,746.66	3/4	2,088.93	3/4	2,431.21	3/4	2,773.11	3/4	3,114.51
3	44.93	3	385.21	3	727.47	3	1,069.29	3	1,411.52	3	1,753.79	3	2,096.06	3	2,438.34	3	2,780.22	3	3,121.62
1/4	51.59	1/4	392.34	1/4	734.60	1/4	1,076.42	1/4	1,418.65	1/4	1,760.92	1/4	2,103.19	1/4	2,445.47	1/4	2,787.33	1/4	3,128.72
1/2	58.26	1/2	399.47	1/2	741.73	1/2	1,083.54	1/2	1,425.78	1/2	1,768.05	1/2	2,110.33	1/2	2,452.60	1/2	2,794.44	1/2	3,135.83
3/4	64.93	3/4	406.60	3/4	748.86	3/4	1,090.66	3/4	1,432.91	3/4	1,775.18	3/4	2,117.46	3/4	2,459.73	3/4	2,801.56	3/4	3,142.93
4	71.59	4	413.73	4	755.99	4	1,097.78	4	1,440.04	4	1,782.31	4	2,124.59	4	2,466.86	4	2,808.67	4	3,150.03
1/4	78.70	1/4	420.86	1/4	763.12	1/4	1,104.91	1/4	1,447.17	1/4	1,789.44	1/4	2,131.72	1/4	2,473.99	1/4	2,815.78	1/4	3,157.13
1/2	85.81	1/2	427.99	1/2	770.25	1/2	1,112.03	1/2	1,454.30	1/2	1,796.57	1/2	2,138.85	1/2	2,481.12	1/2	2,822.89	1/2	3,164.22
3/4	92.91	3/4	435.12	3/4	777.38	3/4	1,119.16	3/4	1,461.43	3/4	1,803.71	3/4	2,145.98	3/4	2,488.25	3/4	2,830.01	3/4	3,171.32
5	100.02	5	442.25	5	784.51	5	1,126.29	5	1,468.56	5	1,810.84	5	2,153.11	5	2,495.38	5	2,837.12	5	3,178.41
1/4	107.14	1/4	449.38	1/4	791.64	1/4	1,133.42	1/4	1,475.69	1/4	1,817.97	1/4	2,160.24	1/4	2,502.51	1/4	2,844.23	1/4	3,185.51
1/2	114.27	1/2	456.51	1/2	798.77	1/2	1,140.55	1/2	1,482.82	1/2	1,825.10	1/2	2,167.37	1/2	2,509.64	1/2	2,851.34	1/2	3,192.60
3/4	121.39	3/4	463.64	3/4	805.90	3/4	1,147.68	3/4	1,489.95	3/4	1,832.23	3/4	2,174.50	3/4	2,516.77	3/4	2,858.46	3/4	3,199.70
6	128.52	6	470.77	6	813.03	6	1,154.81	6	1,497.09	6	1,839.36	6	2,181.63	6	2,523.90	6	2,865.57	6	3,206.79
1/4	135.65	1/4	477.91	1/4	820.16	1/4	1,161.94	1/4	1,504.22	1/4	1,846.49	1/4	2,188.76	1/4	2,531.03	1/4	2,872.68	1/4	3,213.89
1/2	142.78	1/2	485.04	1/2	827.29	1/2	1,169.07	1/2	1,511.35	1/2	1,853.62	1/2	2,195.89	1/2	2,538.17	1/2	2,879.79	1/2	3,220.98
3/4	149.91	3/4	492.17	3/4	834.42	3/4	1,176.20	3/4	1,518.48	3/4	1,860.75	3/4	2,203.02	3/4	2,545.30	3/4	2,886.91	3/4	3,228.08
7	157.04	7	499.30	7	841.55	7	1,183.33	7	1,525.61	7	1,867.88	7	2,210.15	7	2,552.43	7	2,894.02	7	3,235.17
1/4	164.17	1/4	506.43	1/4	848.67	1/4	1,190.46	1/4	1,532.74	1/4	1,875.01	1/4	2,217.29	1/4	2,559.56	1/4	2,901.13	1/4	3,242.27
1/2	171.30	1/2	513.56	1/2	855.79	1/2	1,197.60	1/2	1,539.87	1/2	1,882.14	1/2	2,224.42	1/2	2,566.69	1/2	2,908.24	1/2	3,249.36
3/4	178.43	3/4	520.69	3/4	862.91	3/4	1,204.73	3/4	1,547.00	3/4	1,889.27	3/4	2,231.55	3/4	2,573.82	3/4	2,915.36	3/4	3,256.46
8	185.56	8	527.82	8	870.03	8	1,211.86	8	1,554.13	8	1,896.40	8	2,238.68	8	2,580.96	8	2,922.47	8	3,263.55
1/4	192.69	1/4	534.95	1/4	877.15	1/4	1,218.99	1/4	1,561.26	1/4	1,903.53	1/4	2,245.81	1/4	2,588.09	1/4	2,929.58	1/4	3,270.65
1/2	199.82	1/2	542.08	1/2	884.26	1/2	1,226.12	1/2	1,568.39	1/2	1,910.67	1/2	2,252.94	1/2	2,595.22	1/2	2,936.69	1/2	3,277.75
3/4	206.95	3/4	549.21	3/4	891.38	3/4	1,233.25	3/4	1,575.52	3/4	1,917.80	3/4	2,260.07	3/4	2,602.35	3/4	2,943.81	3/4	3,284.84
9	214.08	9	556.34	9	898.50	9	1,240.38	9	1,582.65	9	1,924.93	9	2,267.20	9	2,609.48	9	2,950.92	9	3,291.94
1/4	221.21	1/4	563.47	1/4	905.61	1/4	1,247.51	1/4	1,589.78	1/4	1,932.06	1/4	2,274.33	1/4	2,616.60	1/4	2,958.03	1/4	3,299.03
1/2	228.34	1/2	570.60	1/2	912.73	1/2	1,254.64	1/2	1,596.91	1/2	1,939.19	1/2	2,281.46	1/2	2,623.73	1/2	2,965.14	1/2	3,306.13
3/4	235.47	3/4	577.73	3/4	919.85	3/4	1,261.77	3/4	1,604.05	3/4	1,946.32	3/4	2,288.59	3/4	2,630.85	3/4	2,972.26	3/4	3,313.22
10	242.60	10	584.86	10	926.96	10	1,268.90	10	1,611.18	10	1,953.45	10	2,295.72	10	2,637.97	10	2,979.37	10	3,320.32
1/4	249.73	1/4	591.99	1/4	934.08	1/4	1,276.03	1/4	1,618.31	1/4	1,960.58	1/4	2,302.85	1/4	2,645.08	1/4	2,986.48	1/4	3,327.41
1/2	256.86	1/2	599.12	1/2	941.20	1/2	1,283.16	1/2	1,625.44	1/2	1,967.71	1/2	2,309.98	1/2	2,652.19	1/2	2,993.59	1/2	3,334.51
3/4	263.99	3/4	606.25	3/4	948.31	3/4	1,290.29	3/4	1,632.57	3/4	1,974.84	3/4	2,317.12	3/4	2,659.31	3/4	3,000.71	3/4	3,341.60
11	271.12	11	613.38	11	955.43	11	1,297.43	11	1,639.70	11	1,981.97	11	2,324.25	11	2,666.42	11	3,007.82	11	3,348.70
1/4	278.25	1/4	620.51	1/4	962.55	1/4	1,304.56	1/4	1,646.83	1/4	1,989.10	1/4	2,331.38	1/4	2,673.53	1/4	3,014.93	1/4	3,354.41
1/2	285.38	1/2	627.64	1/2	969.66	1/2	1,311.69	1/2	1,653.96	1/2	1,996.23	1/2	2,338.51	1/2	2,680.64	1/2	3,022.04	1/2	3,360.13
3/4	292.51	3/4	634.77	3/4	976.78	3/4	1,318.82	3/4	1,661.09	3/4	2,003.36	3/4	2,345.64	3/4	2,687.76	3/4	3,029.16	3/4	3,365.84

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "FMT 3302"

3 STBD INNAGE TABLE 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,371.56	0	3,581.26	0	3,791.17	0	4,000.81	0	4,209.81	0	4,400.51	0		0		0		0	
1/4	3,375.90	1/4	3,585.63	1/4	3,795.55	1/4	4,005.17	1/4	4,214.16	1/4	4,402.22	1/4		1/4		1/4		1/4	
1/2	3,380.24	1/2	3,590.01	1/2	3,799.92	1/2	4,009.52	1/2	4,218.52	1/2	4,403.93	1/2		1/2		1/2		1/2	
3/4	3,384.57	3/4	3,594.38	3/4	3,804.29	3/4	4,013.88	3/4	4,222.87	3/4	4,405.64	3/4		3/4		3/4		3/4	
1	3,388.91	1	3,598.75	1	3,808.67	1	4,018.23	1	4,227.23	1	4,407.35	1		1		1		1	
1/4	3,393.27	1/4	3,603.13	1/4	3,813.04	1/4	4,022.58	1/4	4,231.58	1/4	4,409.05	1/4		1/4		1/4		1/4	
1/2	3,397.62	1/2	3,607.50	1/2	3,817.41	1/2	4,026.94	1/2	4,235.93	1/2	4,410.76	1/2		1/2		1/2		1/2	
3/4	3,401.98	3/4	3,611.87	3/4	3,821.79	3/4	4,031.29	3/4	4,240.29	3/4	4,412.47	3/4		3/4		3/4		3/4	
2	3,406.33	2	3,616.25	2	3,826.16	2	4,035.65	2	4,244.64	2	4,414.18	2		2		2		2	
1/4	3,410.71	1/4	3,620.62	1/4	3,830.53	1/4	4,040.00	1/4	4,249.00	1/4	4,415.26	1/4		1/4		1/4		1/4	
1/2	3,415.08	1/2	3,624.99	1/2	3,834.91	1/2	4,044.35	1/2	4,253.35	1/2	4,416.33	1/2		1/2		1/2		1/2	
3/4	3,419.45	3/4	3,629.37	3/4	3,839.28	3/4	4,048.71	3/4	4,257.71	3/4	4,417.41	3/4		3/4		3/4		3/4	
3	3,423.83	3	3,633.74	3	3,843.65	3	4,053.06	3	4,262.06	3	4,418.49	3		3		3		3	
1/4	3,428.20	1/4	3,638.11	1/4	3,848.03	1/4	4,057.42	1/4	4,266.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,432.57	1/2	3,642.49	1/2	3,852.40	1/2	4,061.77	1/2	4,270.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,436.95	3/4	3,646.86	3/4	3,856.77	3/4	4,066.12	3/4	4,275.12	3/4		3/4		3/4		3/4		3/4	
4	3,441.32	4	3,651.23	4	3,861.15	4	4,070.48	4	4,279.48	4		4		4		4		4	
1/4	3,445.69	1/4	3,655.61	1/4	3,865.52	1/4	4,074.83	1/4	4,283.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,450.06	1/2	3,659.98	1/2	3,869.89	1/2	4,079.19	1/2	4,288.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,454.44	3/4	3,664.35	3/4	3,874.27	3/4	4,083.54	3/4	4,292.50	3/4		3/4		3/4		3/4		3/4	
5	3,458.81	5	3,668.72	5	3,878.64	5	4,087.90	5	4,296.84	5		5		5		5		5	
1/4	3,463.18	1/4	3,673.10	1/4	3,883.01	1/4	4,092.25	1/4	4,301.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,467.56	1/2	3,677.47	1/2	3,887.38	1/2	4,096.60	1/2	4,305.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,471.93	3/4	3,681.84	3/4	3,891.76	3/4	4,100.96	3/4	4,309.82	3/4		3/4		3/4		3/4		3/4	
6	3,476.30	6	3,686.22	6	3,896.13	6	4,105.31	6	4,314.14	6		6		6		6		6	
1/4	3,480.68	1/4	3,690.59	1/4	3,900.50	1/4	4,109.67	1/4	4,318.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,485.05	1/2	3,694.96	1/2	3,904.88	1/2	4,114.02	1/2	4,322.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,489.42	3/4	3,699.34	3/4	3,909.25	3/4	4,118.37	3/4	4,327.12	3/4		3/4		3/4		3/4		3/4	
7	3,493.80	7	3,703.71	7	3,913.62	7	4,122.73	7	4,331.44	7		7		7		7		7	
1/4	3,498.17	1/4	3,708.08	1/4	3,918.00	1/4	4,127.08	1/4	4,335.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,502.54	1/2	3,712.46	1/2	3,922.37	1/2	4,131.44	1/2	4,340.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,506.92	3/4	3,716.83	3/4	3,926.74	3/4	4,135.79	3/4	4,344.39	3/4		3/4		3/4		3/4		3/4	
8	3,511.29	8	3,721.20	8	3,931.12	8	4,140.14	8	4,348.71	8		8		8		8		8	
1/4	3,515.66	1/4	3,725.58	1/4	3,935.48	1/4	4,144.50	1/4	4,353.00	1/4		1/4		1/4		1/4		1/4	
1/2	3,520.04	1/2	3,729.95	1/2	3,939.84	1/2	4,148.85	1/2	4,357.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,524.41	3/4	3,734.32	3/4	3,944.20	3/4	4,153.21	3/4	4,361.57	3/4		3/4		3/4		3/4		3/4	
9	3,528.78	9	3,738.70	9	3,948.56	9	4,157.56	9	4,365.85	9		9		9		9		9	
1/4	3,533.16	1/4	3,743.07	1/4	3,952.92	1/4	4,161.92	1/4	4,369.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,537.53	1/2	3,747.44	1/2	3,957.27	1/2	4,166.27	1/2	4,373.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,541.90	3/4	3,751.82	3/4	3,961.63	3/4	4,170.62	3/4	4,377.39	3/4		3/4		3/4		3/4		3/4	
10	3,546.28	10	3,756.19	10	3,965.98	10	4,174.98	10	4,381.24	10		10		10		10		10	
1/4	3,550.65	1/4	3,760.56	1/4	3,970.33	1/4	4,179.33	1/4	4,384.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,555.02	1/2	3,764.94	1/2	3,974.69	1/2	4,183.69	1/2	4,386.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,559.39	3/4	3,769.31	3/4	3,979.04	3/4	4,188.04	3/4	4,389.76	3/4		3/4		3/4		3/4		3/4	
11	3,563.77	11	3,773.68	11	3,983.40	11	4,192.39	11	4,392.60	11		11		11		11		11	
1/4	3,568.14	1/4	3,778.05	1/4	3,987.75	1/4	4,196.75	1/4	4,394.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,572.51	1/2	3,782.43	1/2	3,992.11	1/2	4,201.10	1/2	4,396.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,576.89	3/4	3,786.80	3/4	3,996.46	3/4	4,205.46	3/4	4,398.54	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
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Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

ULLAGE (10" HATCH)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
1 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
3 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-0/8	- 08-0/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
3 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-0/8	- 08-0/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS 08-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-08 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

August 1, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

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BARGE "FMT 3302"

1 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,032.04	0	4,747.09	0	4,405.95	0	4,063.96	0	3,721.26	0	3,378.62	0	3,036.01
1/4		1/4		1/4		1/4	5,030.03	1/4	4,739.98	1/4	4,398.84	1/4	4,056.82	1/4	3,714.12	1/4	3,371.48	1/4	3,028.87
1/2		1/2		1/2		1/2	5,028.03	1/2	4,732.88	1/2	4,391.73	1/2	4,049.68	1/2	3,706.98	1/2	3,364.35	1/2	3,021.74
3/4		3/4		3/4		3/4	5,026.03	3/4	4,725.77	3/4	4,384.63	3/4	4,042.54	3/4	3,699.84	3/4	3,357.21	3/4	3,014.60
1		1		1		1	5,024.02	1	4,718.66	1	4,377.52	1	4,035.40	1	3,692.70	1	3,350.07	1	3,007.46
1/4		1/4		1/4		1/4	5,020.83	1/4	4,711.55	1/4	4,370.41	1/4	4,028.26	1/4	3,685.56	1/4	3,342.93	1/4	3,000.32
1/2		1/2		1/2		1/2	5,017.63	1/2	4,704.45	1/2	4,363.31	1/2	4,021.12	1/2	3,678.42	1/2	3,335.80	1/2	2,993.18
3/4		3/4		3/4		3/4	5,014.44	3/4	4,697.34	3/4	4,356.20	3/4	4,013.99	3/4	3,671.28	3/4	3,328.66	3/4	2,986.04
2		2		2		2	5,011.24	2	4,690.23	2	4,349.09	2	4,006.85	2	3,664.14	2	3,321.52	2	2,978.90
1/4		1/4		1/4		1/4	5,006.86	1/4	4,683.13	1/4	4,341.99	1/4	3,999.71	1/4	3,657.00	1/4	3,314.38	1/4	2,971.76
1/2		1/2		1/2		1/2	5,002.47	1/2	4,676.02	1/2	4,334.88	1/2	3,992.57	1/2	3,649.86	1/2	3,307.24	1/2	2,964.62
3/4		3/4		3/4		3/4	4,998.09	3/4	4,668.91	3/4	4,327.77	3/4	3,985.43	3/4	3,642.72	3/4	3,300.11	3/4	2,957.48
3		3		3		3	4,993.70	3	4,661.80	3	4,320.66	3	3,978.29	3	3,635.58	3	3,292.97	3	2,950.34
1/4		1/4		1/4		1/4	4,988.13	1/4	4,654.70	1/4	4,313.56	1/4	3,971.15	1/4	3,628.44	1/4	3,285.83	1/4	2,943.21
1/2		1/2		1/2		1/2	4,982.55	1/2	4,647.59	1/2	4,306.45	1/2	3,964.01	1/2	3,621.30	1/2	3,278.69	1/2	2,936.07
3/4		3/4		3/4		3/4	4,976.98	3/4	4,640.48	3/4	4,299.34	3/4	3,956.87	3/4	3,614.17	3/4	3,271.56	3/4	2,928.93
4		4		4		4	4,971.41	4	4,633.38	4	4,292.24	4	3,949.73	4	3,607.03	4	3,264.42	4	2,921.79
1/4		1/4		1/4		1/4	4,964.82	1/4	4,626.27	1/4	4,285.13	1/4	3,942.59	1/4	3,599.89	1/4	3,257.28	1/4	2,914.65
1/2		1/2		1/2		1/2	4,958.24	1/2	4,619.16	1/2	4,278.02	1/2	3,935.45	1/2	3,592.75	1/2	3,250.14	1/2	2,907.51
3/4		3/4		3/4		3/4	4,951.66	3/4	4,612.06	3/4	4,270.91	3/4	3,928.31	3/4	3,585.62	3/4	3,243.01	3/4	2,900.37
5		5		5		5	4,945.08	5	4,604.95	5	4,263.81	5	3,921.17	5	3,578.48	5	3,235.87	5	2,893.23
1/4		1/4		1/4		1/4	4,938.06	1/4	4,597.84	1/4	4,256.68	1/4	3,914.03	1/4	3,571.34	1/4	3,228.73	1/4	2,886.09
1/2		1/2		1/2		1/2	4,931.04	1/2	4,590.73	1/2	4,249.56	1/2	3,906.89	1/2	3,564.20	1/2	3,221.59	1/2	2,878.95
3/4		3/4		3/4		3/4	4,924.02	3/4	4,583.63	3/4	4,242.44	3/4	3,899.75	3/4	3,557.06	3/4	3,214.45	3/4	2,871.81
6		6		6		6	4,917.00	6	4,576.52	6	4,235.32	6	3,892.61	6	3,549.93	6	3,207.32	6	2,864.67
1/4		1/4		1/4		1/4	4,909.94	1/4	4,569.41	1/4	4,228.18	1/4	3,885.47	1/4	3,542.79	1/4	3,200.18	1/4	2,857.53
1/2		1/2		1/2		1/2	4,902.89	1/2	4,562.31	1/2	4,221.04	1/2	3,878.33	1/2	3,535.65	1/2	3,193.04	1/2	2,850.39
3/4		3/4		3/4		3/4	4,895.83	3/4	4,555.20	3/4	4,213.90	3/4	3,871.19	3/4	3,528.51	3/4	3,185.90	3/4	2,843.25
7		7		7		7	4,888.78	7	4,548.09	7	4,206.76	7	3,864.05	7	3,521.38	7	3,178.77	7	2,836.11
1/4		1/4		1/4		1/4	4,881.72	1/4	4,540.98	1/4	4,199.62	1/4	3,856.91	1/4	3,514.24	1/4	3,171.63	1/4	2,828.97
1/2		1/2		1/2		1/2	4,874.65	1/2	4,533.88	1/2	4,192.48	1/2	3,849.77	1/2	3,507.10	1/2	3,164.49	1/2	2,821.83
3/4		3/4		3/4		3/4	4,867.59	3/4	4,526.77	3/4	4,185.34	3/4	3,842.63	3/4	3,499.96	3/4	3,157.35	3/4	2,814.69
8		8		8		8	4,860.53	8	4,519.66	8	4,178.20	8	3,835.49	8	3,492.83	8	3,150.22	8	2,807.55
1/4		1/4		1/4		1/4	4,853.47	1/4	4,512.56	1/4	4,171.06	1/4	3,828.35	1/4	3,485.69	1/4	3,143.08	1/4	2,800.41
1/2		1/2		1/2		1/2	4,846.41	1/2	4,505.45	1/2	4,163.92	1/2	3,821.21	1/2	3,478.55	1/2	3,135.94	1/2	2,793.27
3/4		3/4		3/4		3/4	4,839.34	3/4	4,498.34	3/4	4,156.78	3/4	3,814.07	3/4	3,471.41	3/4	3,128.80	3/4	2,786.13
9		9		9		9	4,832.28	9	4,491.23	9	4,149.64	9	3,806.93	9	3,464.27	9	3,121.66	9	2,778.99
1/4		1/4		1/4		1/4	4,825.20	1/4	4,484.13	1/4	4,142.50	1/4	3,799.79	1/4	3,457.14	1/4	3,114.53	1/4	2,771.85
1/2		1/2		1/2		1/2	4,818.11	1/2	4,477.02	1/2	4,135.36	1/2	3,792.65	1/2	3,450.00	1/2	3,107.39	1/2	2,764.72
3/4		3/4		3/4		3/4	4,811.03	3/4	4,469.91	3/4	4,128.22	3/4	3,785.51	3/4	3,442.86	3/4	3,100.25	3/4	2,757.58
10		10		10		10	4,803.95	10	4,462.81	10	4,121.08	10	3,778.38	10	3,435.72	10	3,093.11	10	2,750.44
1/4		1/4		1/4		1/4	4,796.84	1/4	4,455.70	1/4	4,113.94	1/4	3,771.24	1/4	3,428.59	1/4	3,085.98	1/4	2,743.30
1/2		1/2		1/2		1/2	4,789.73	1/2	4,448.59	1/2	4,106.80	1/2	3,764.10	1/2	3,421.45	1/2	3,078.84	1/2	2,736.16
3/4		3/4		3/4		3/4	4,782.63	3/4	4,441.48	3/4	4,099.66	3/4	3,756.96	3/4	3,414.31	3/4	3,071.70	3/4	2,729.02
11		11		11	5,035.75	11	4,775.52	11	4,434.38	11	4,092.52	11	3,749.82	11	3,407.17	11	3,064.56	11	2,721.88
1/4		1/4		1/4	5,034.82	1/4	4,768.41	1/4	4,427.27	1/4	4,085.38	1/4	3,742.68	1/4	3,400.04	1/4	3,057.43	1/4	2,714.74
1/2		1/2		1/2	5,033.89	1/2	4,761.30	1/2	4,420.16	1/2	4,078.24	1/2	3,735.54	1/2	3,392.90	1/2	3,050.29	1/2	2,707.60
3/4		3/4		3/4	5,032.97	3/4	4,754.20	3/4	4,413.06	3/4	4,071.10	3/4	3,728.40	3/4	3,385.76	3/4	3,043.15	3/4	2,700.46

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

**1 PORT
ULLAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,693.32	0	2,350.60	0	2,007.87	0	1,665.15	0	1,322.43	0	980.41	0	639.61	0	304.02	0	20.49	0	
1/4	2,686.18	1/4	2,343.46	1/4	2,000.73	1/4	1,658.01	1/4	1,315.29	1/4	973.33	1/4	632.47	1/4	297.47	1/4	17.69	1/4	
1/2	2,679.04	1/2	2,336.32	1/2	1,993.59	1/2	1,650.87	1/2	1,308.14	1/2	966.25	1/2	625.33	1/2	290.91	1/2	14.89	1/2	
3/4	2,671.90	3/4	2,329.18	3/4	1,986.45	3/4	1,643.73	3/4	1,301.00	3/4	959.17	3/4	618.19	3/4	284.36	3/4	12.09	3/4	
1	2,664.76	1	2,322.04	1	1,979.31	1	1,636.59	1	1,293.86	1	952.09	1	611.05	1	277.80	1	9.29	1	
1/4	2,657.62	1/4	2,314.90	1/4	1,972.17	1/4	1,629.45	1/4	1,286.72	1/4	945.01	1/4	603.91	1/4	271.33	1/4	7.51	1/4	
1/2	2,650.48	1/2	2,307.76	1/2	1,965.03	1/2	1,622.31	1/2	1,279.58	1/2	937.93	1/2	596.77	1/2	264.85	1/2	5.72	1/2	
3/4	2,643.34	3/4	2,300.62	3/4	1,957.89	3/4	1,615.17	3/4	1,272.44	3/4	930.85	3/4	589.63	3/4	258.38	3/4	3.94	3/4	
2	2,636.20	2	2,293.48	2	1,950.75	2	1,608.03	2	1,265.30	2	923.77	2	582.49	2	251.91	2	2.15	2	
1/4	2,629.06	1/4	2,286.34	1/4	1,943.61	1/4	1,600.89	1/4	1,258.16	1/4	916.69	1/4	575.35	1/4	245.52	1/4		1/4	
1/2	2,621.92	1/2	2,279.20	1/2	1,936.47	1/2	1,593.75	1/2	1,251.02	1/2	909.61	1/2	568.21	1/2	239.13	1/2		1/2	
3/4	2,614.78	3/4	2,272.06	3/4	1,929.33	3/4	1,586.61	3/4	1,243.88	3/4	902.53	3/4	561.07	3/4	232.74	3/4		3/4	
3	2,607.64	3	2,264.92	3	1,922.19	3	1,579.47	3	1,236.74	3	895.45	3	553.93	3	226.35	3		3	
1/4	2,600.50	1/4	2,257.78	1/4	1,915.05	1/4	1,572.33	1/4	1,229.60	1/4	888.37	1/4	546.79	1/4	220.05	1/4		1/4	
1/2	2,593.36	1/2	2,250.64	1/2	1,907.91	1/2	1,565.19	1/2	1,222.46	1/2	881.29	1/2	539.65	1/2	213.74	1/2		1/2	
3/4	2,586.22	3/4	2,243.50	3/4	1,900.77	3/4	1,558.05	3/4	1,215.32	3/4	874.21	3/4	532.51	3/4	207.44	3/4		3/4	
4	2,579.08	4	2,236.36	4	1,893.63	4	1,550.91	4	1,208.18	4	867.13	4	525.37	4	201.13	4		4	
1/4	2,571.94	1/4	2,229.22	1/4	1,886.49	1/4	1,543.77	1/4	1,201.04	1/4	860.05	1/4	518.23	1/4	194.91	1/4		1/4	
1/2	2,564.80	1/2	2,222.08	1/2	1,879.35	1/2	1,536.63	1/2	1,193.90	1/2	852.97	1/2	511.09	1/2	188.69	1/2		1/2	
3/4	2,557.66	3/4	2,214.94	3/4	1,872.21	3/4	1,529.49	3/4	1,186.76	3/4	845.89	3/4	503.95	3/4	182.46	3/4		3/4	
5	2,550.52	5	2,207.80	5	1,865.07	5	1,522.35	5	1,179.62	5	838.81	5	496.81	5	176.24	5		5	
1/4	2,543.38	1/4	2,200.66	1/4	1,857.93	1/4	1,515.21	1/4	1,172.48	1/4	831.74	1/4	489.69	1/4	170.10	1/4		1/4	
1/2	2,536.24	1/2	2,193.52	1/2	1,850.79	1/2	1,508.07	1/2	1,165.34	1/2	824.66	1/2	482.58	1/2	163.96	1/2		1/2	
3/4	2,529.10	3/4	2,186.38	3/4	1,843.65	3/4	1,500.93	3/4	1,158.20	3/4	817.58	3/4	475.46	3/4	157.82	3/4		3/4	
6	2,521.96	6	2,179.24	6	1,836.51	6	1,493.79	6	1,151.06	6	810.50	6	468.34	6	151.69	6		6	
1/4	2,514.82	1/4	2,172.10	1/4	1,829.37	1/4	1,486.65	1/4	1,143.92	1/4	803.41	1/4	461.29	1/4	145.63	1/4		1/4	
1/2	2,507.68	1/2	2,164.96	1/2	1,822.23	1/2	1,479.51	1/2	1,136.78	1/2	796.33	1/2	454.24	1/2	139.58	1/2		1/2	
3/4	2,500.54	3/4	2,157.82	3/4	1,815.09	3/4	1,472.37	3/4	1,129.64	3/4	789.25	3/4	447.19	3/4	133.52	3/4		3/4	
7	2,493.40	7	2,150.68	7	1,807.95	7	1,465.23	7	1,122.50	7	782.16	7	440.14	7	127.46	7		7	
1/4	2,486.26	1/4	2,143.54	1/4	1,800.81	1/4	1,458.09	1/4	1,115.36	1/4	775.07	1/4	433.17	1/4	121.49	1/4		1/4	
1/2	2,479.12	1/2	2,136.40	1/2	1,793.67	1/2	1,450.95	1/2	1,108.22	1/2	767.97	1/2	426.20	1/2	115.52	1/2		1/2	
3/4	2,471.98	3/4	2,129.26	3/4	1,786.53	3/4	1,443.81	3/4	1,101.08	3/4	760.87	3/4	419.23	3/4	109.55	3/4		3/4	
8	2,464.84	8	2,122.12	8	1,779.39	8	1,436.67	8	1,093.94	8	753.78	8	412.26	8	103.58	8		8	
1/4	2,457.70	1/4	2,114.98	1/4	1,772.25	1/4	1,429.53	1/4	1,086.82	1/4	746.65	1/4	405.37	1/4	97.70	1/4		1/4	
1/2	2,450.56	1/2	2,107.84	1/2	1,765.11	1/2	1,422.39	1/2	1,079.70	1/2	739.53	1/2	398.48	1/2	91.81	1/2		1/2	
3/4	2,443.42	3/4	2,100.70	3/4	1,757.97	3/4	1,415.25	3/4	1,072.57	3/4	732.41	3/4	391.59	3/4	85.93	3/4		3/4	
9	2,436.28	9	2,093.56	9	1,750.83	9	1,408.11	9	1,065.45	9	725.29	9	384.70	9	80.05	9		9	
1/4	2,429.14	1/4	2,086.42	1/4	1,743.69	1/4	1,400.97	1/4	1,058.35	1/4	718.15	1/4	377.89	1/4	74.27	1/4		1/4	
1/2	2,422.00	1/2	2,079.28	1/2	1,736.55	1/2	1,393.83	1/2	1,051.26	1/2	711.01	1/2	371.08	1/2	68.49	1/2		1/2	
3/4	2,414.86	3/4	2,072.14	3/4	1,729.41	3/4	1,386.69	3/4	1,044.16	3/4	703.87	3/4	364.28	3/4	62.70	3/4		3/4	
10	2,407.72	10	2,065.00	10	1,722.27	10	1,379.55	10	1,037.06	10	696.73	10	357.47	10	56.92	10		10	
1/4	2,400.58	1/4	2,057.86	1/4	1,715.13	1/4	1,372.41	1/4	1,029.98	1/4	689.59	1/4	350.75	1/4	51.67	1/4		1/4	
1/2	2,393.44	1/2	2,050.72	1/2	1,707.99	1/2	1,365.27	1/2	1,022.89	1/2	682.45	1/2	344.03	1/2	46.41	1/2		1/2	
3/4	2,386.30	3/4	2,043.58	3/4	1,700.85	3/4	1,358.13	3/4	1,015.81	3/4	675.31	3/4	337.30	3/4	41.15	3/4		3/4	
11	2,379.16	11	2,036.44	11	1,693.71	11	1,350.99	11	1,008.73	11	668.17	11	330.58	11	35.90	11		11	
1/4	2,372.02	1/4	2,029.30	1/4	1,686.57	1/4	1,343.85	1/4	1,001.65	1/4	661.03	1/4	323.94	1/4	32.04	1/4		1/4	
1/2	2,364.88	1/2	2,022.15	1/2	1,679.43	1/2	1,336.71	1/2	994.57	1/2	653.89	1/2	317.30	1/2	28.19	1/2		1/2	
3/4	2,357.74	3/4	2,015.01	3/4	1,672.29	3/4	1,329.57	3/4	987.49	3/4	646.75	3/4	310.66	3/4	24.34	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

1 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,037.99	0	4,752.84	0	4,411.45	0	4,069.22	0	3,726.27	0	3,383.39	0	3,040.53
1/4		1/4		1/4		1/4	5,035.98	1/4	4,745.72	1/4	4,404.34	1/4	4,062.08	1/4	3,719.12	1/4	3,376.24	1/4	3,033.38
1/2		1/2		1/2		1/2	5,033.97	1/2	4,738.61	1/2	4,397.23	1/2	4,054.93	1/2	3,711.98	1/2	3,369.10	1/2	3,026.24
3/4		3/4		3/4		3/4	5,031.97	3/4	4,731.50	3/4	4,390.11	3/4	4,047.79	3/4	3,704.83	3/4	3,361.96	3/4	3,019.10
1		1		1		1	5,029.96	1	4,724.39	1	4,383.00	1	4,040.64	1	3,697.69	1	3,354.81	1	3,011.96
1/4		1/4		1/4		1/4	5,026.76	1/4	4,717.28	1/4	4,375.89	1/4	4,033.50	1/4	3,690.54	1/4	3,347.67	1/4	3,004.81
1/2		1/2		1/2		1/2	5,023.57	1/2	4,710.16	1/2	4,368.78	1/2	4,026.35	1/2	3,683.40	1/2	3,340.53	1/2	2,997.67
3/4		3/4		3/4		3/4	5,020.37	3/4	4,703.05	3/4	4,361.67	3/4	4,019.21	3/4	3,676.25	3/4	3,333.39	3/4	2,990.52
2		2		2		2	5,017.17	2	4,695.94	2	4,354.55	2	4,012.06	2	3,669.11	2	3,326.24	2	2,983.38
1/4		1/4		1/4		1/4	5,012.79	1/4	4,688.83	1/4	4,347.44	1/4	4,004.92	1/4	3,661.96	1/4	3,319.10	1/4	2,976.23
1/2		1/2		1/2		1/2	5,008.40	1/2	4,681.71	1/2	4,340.33	1/2	3,997.77	1/2	3,654.82	1/2	3,311.96	1/2	2,969.09
3/4		3/4		3/4		3/4	5,004.01	3/4	4,674.60	3/4	4,333.22	3/4	3,990.63	3/4	3,647.67	3/4	3,304.81	3/4	2,961.94
3		3		3		3	4,999.62	3	4,667.49	3	4,326.10	3	3,983.48	3	3,640.53	3	3,297.67	3	2,954.80
1/4		1/4		1/4		1/4	4,994.04	1/4	4,660.38	1/4	4,318.99	1/4	3,976.34	1/4	3,633.39	1/4	3,290.53	1/4	2,947.65
1/2		1/2		1/2		1/2	4,988.47	1/2	4,653.27	1/2	4,311.88	1/2	3,969.19	1/2	3,626.24	1/2	3,283.39	1/2	2,940.51
3/4		3/4		3/4		3/4	4,982.89	3/4	4,646.15	3/4	4,304.77	3/4	3,962.05	3/4	3,619.10	3/4	3,276.24	3/4	2,933.37
4		4		4		4	4,977.31	4	4,639.04	4	4,297.66	4	3,954.90	4	3,611.96	4	3,269.10	4	2,926.22
1/4		1/4		1/4		1/4	4,970.72	1/4	4,631.93	1/4	4,290.54	1/4	3,947.76	1/4	3,604.82	1/4	3,261.96	1/4	2,919.08
1/2		1/2		1/2		1/2	4,964.14	1/2	4,624.82	1/2	4,283.43	1/2	3,940.61	1/2	3,597.67	1/2	3,254.81	1/2	2,911.93
3/4		3/4		3/4		3/4	4,957.55	3/4	4,617.71	3/4	4,276.32	3/4	3,933.47	3/4	3,590.53	3/4	3,247.67	3/4	2,904.79
5		5		5		5	4,950.96	5	4,610.59	5	4,269.21	5	3,926.32	5	3,583.39	5	3,240.53	5	2,897.64
1/4		1/4		1/4		1/4	4,943.94	1/4	4,603.48	1/4	4,262.08	1/4	3,919.18	1/4	3,576.24	1/4	3,233.39	1/4	2,890.50
1/2		1/2		1/2		1/2	4,936.91	1/2	4,596.37	1/2	4,254.95	1/2	3,912.03	1/2	3,569.10	1/2	3,226.24	1/2	2,883.35
3/4		3/4		3/4		3/4	4,929.89	3/4	4,589.26	3/4	4,247.83	3/4	3,904.89	3/4	3,561.96	3/4	3,219.10	3/4	2,876.21
6		6		6		6	4,922.86	6	4,582.14	6	4,240.70	6	3,897.74	6	3,554.82	6	3,211.96	6	2,869.06
1/4		1/4		1/4		1/4	4,915.80	1/4	4,575.03	1/4	4,233.55	1/4	3,890.60	1/4	3,547.67	1/4	3,204.81	1/4	2,861.92
1/2		1/2		1/2		1/2	4,908.74	1/2	4,567.92	1/2	4,226.41	1/2	3,883.45	1/2	3,540.53	1/2	3,197.67	1/2	2,854.77
3/4		3/4		3/4		3/4	4,901.68	3/4	4,560.81	3/4	4,219.26	3/4	3,876.31	3/4	3,533.39	3/4	3,190.53	3/4	2,847.63
7		7		7		7	4,894.62	7	4,553.70	7	4,212.12	7	3,869.16	7	3,526.24	7	3,183.38	7	2,840.48
1/4		1/4		1/4		1/4	4,887.56	1/4	4,546.58	1/4	4,204.97	1/4	3,862.02	1/4	3,519.10	1/4	3,176.24	1/4	2,833.34
1/2		1/2		1/2		1/2	4,880.49	1/2	4,539.47	1/2	4,197.83	1/2	3,854.87	1/2	3,511.96	1/2	3,169.10	1/2	2,826.19
3/4		3/4		3/4		3/4	4,873.42	3/4	4,532.36	3/4	4,190.68	3/4	3,847.73	3/4	3,504.82	3/4	3,161.96	3/4	2,819.05
8		8		8		8	4,866.36	8	4,525.25	8	4,183.54	8	3,840.58	8	3,497.67	8	3,154.81	8	2,811.90
1/4		1/4		1/4		1/4	4,859.29	1/4	4,518.13	1/4	4,176.40	1/4	3,833.44	1/4	3,490.53	1/4	3,147.67	1/4	2,804.76
1/2		1/2		1/2		1/2	4,852.22	1/2	4,511.02	1/2	4,169.25	1/2	3,826.30	1/2	3,483.39	1/2	3,140.53	1/2	2,797.61
3/4		3/4		3/4		3/4	4,845.16	3/4	4,503.91	3/4	4,162.11	3/4	3,819.15	3/4	3,476.24	3/4	3,133.38	3/4	2,790.47
9		9		9		9	4,838.09	9	4,496.80	9	4,154.96	9	3,812.01	9	3,469.10	9	3,126.24	9	2,783.32
1/4		1/4		1/4		1/4	4,831.00	1/4	4,489.69	1/4	4,147.82	1/4	3,804.86	1/4	3,461.96	1/4	3,119.10	1/4	2,776.18
1/2		1/2		1/2		1/2	4,823.91	1/2	4,482.57	1/2	4,140.67	1/2	3,797.72	1/2	3,454.82	1/2	3,111.96	1/2	2,769.03
3/4		3/4		3/4		3/4	4,816.82	3/4	4,475.46	3/4	4,133.53	3/4	3,790.57	3/4	3,447.67	3/4	3,104.81	3/4	2,761.89
10		10		10		10	4,809.73	10	4,468.35	10	4,126.38	10	3,783.43	10	3,440.53	10	3,097.67	10	2,754.75
1/4		1/4		1/4		1/4	4,802.62	1/4	4,461.24	1/4	4,119.24	1/4	3,776.28	1/4	3,433.39	1/4	3,090.53	1/4	2,747.60
1/2		1/2		1/2		1/2	4,795.51	1/2	4,454.12	1/2	4,112.09	1/2	3,769.14	1/2	3,426.24	1/2	3,083.38	1/2	2,740.46
3/4		3/4		3/4		3/4	4,788.40	3/4	4,447.01	3/4	4,104.95	3/4	3,761.99	3/4	3,419.10	3/4	3,076.24	3/4	2,733.31
11		11		11	5,041.70	11	4,781.29	11	4,439.90	11	4,097.80	11	3,754.85	11	3,411.96	11	3,069.10	11	2,726.17
1/4		1/4		1/4	5,040.77	1/4	4,774.17	1/4	4,432.79	1/4	4,090.66	1/4	3,747.70	1/4	3,404.81	1/4	3,061.96	1/4	2,719.02
1/2		1/2		1/2	5,039.84	1/2	4,767.06	1/2	4,425.68	1/2	4,083.51	1/2	3,740.56	1/2	3,397.67	1/2	3,054.81	1/2	2,711.88
3/4		3/4		3/4	5,038.91	3/4	4,759.95	3/4	4,418.56	3/4	4,076.37	3/4	3,733.41	3/4	3,390.53	3/4	3,047.67	3/4	2,704.73

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

1 STBD
ULLAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,697.59	0	2,354.63	0	2,011.65	0	1,668.68	0	1,325.71	0	982.79	0	640.06	0	304.20	0	20.49	0	
1/4	2,690.44	1/4	2,347.48	1/4	2,004.51	1/4	1,661.53	1/4	1,318.56	1/4	975.65	1/4	632.91	1/4	297.64	1/4	17.69	1/4	
1/2	2,683.30	1/2	2,340.34	1/2	1,997.36	1/2	1,654.39	1/2	1,311.41	1/2	968.51	1/2	625.77	1/2	291.08	1/2	14.90	1/2	
3/4	2,676.15	3/4	2,333.19	3/4	1,990.22	3/4	1,647.24	3/4	1,304.27	3/4	961.38	3/4	618.62	3/4	284.52	3/4	12.10	3/4	
1	2,669.01	1	2,326.05	1	1,983.07	1	1,640.10	1	1,297.12	1	954.24	1	611.48	1	277.95	1	9.30	1	
1/4	2,661.86	1/4	2,318.90	1/4	1,975.93	1/4	1,632.95	1/4	1,289.98	1/4	947.10	1/4	604.33	1/4	271.48	1/4	7.51	1/4	
1/2	2,654.72	1/2	2,311.76	1/2	1,968.78	1/2	1,625.81	1/2	1,282.83	1/2	939.97	1/2	597.19	1/2	265.00	1/2	5.72	1/2	
3/4	2,647.57	3/4	2,304.61	3/4	1,961.64	3/4	1,618.66	3/4	1,275.69	3/4	932.83	3/4	590.04	3/4	258.53	3/4	3.94	3/4	
2	2,640.43	2	2,297.47	2	1,954.49	2	1,611.52	2	1,268.54	2	925.70	2	582.90	2	252.05	2	2.15	2	
1/4	2,633.29	1/4	2,290.32	1/4	1,947.35	1/4	1,604.37	1/4	1,261.40	1/4	918.56	1/4	575.75	1/4	245.66	1/4		1/4	
1/2	2,626.14	1/2	2,283.18	1/2	1,940.20	1/2	1,597.23	1/2	1,254.25	1/2	911.42	1/2	568.61	1/2	239.26	1/2		1/2	
3/4	2,619.00	3/4	2,276.03	3/4	1,933.06	3/4	1,590.08	3/4	1,247.11	3/4	904.29	3/4	561.46	3/4	232.87	3/4		3/4	
3	2,611.86	3	2,268.88	3	1,925.91	3	1,582.94	3	1,239.96	3	897.15	3	554.32	3	226.48	3		3	
1/4	2,604.71	1/4	2,261.74	1/4	1,918.77	1/4	1,575.79	1/4	1,232.82	1/4	890.01	1/4	547.17	1/4	220.17	1/4		1/4	
1/2	2,597.57	1/2	2,254.59	1/2	1,911.62	1/2	1,568.65	1/2	1,225.67	1/2	882.88	1/2	540.03	1/2	213.86	1/2		1/2	
3/4	2,590.42	3/4	2,247.45	3/4	1,904.47	3/4	1,561.50	3/4	1,218.53	3/4	875.74	3/4	532.88	3/4	207.55	3/4		3/4	
4	2,583.28	4	2,240.30	4	1,897.33	4	1,554.35	4	1,211.38	4	868.61	4	525.74	4	201.24	4		4	
1/4	2,576.13	1/4	2,233.16	1/4	1,890.18	1/4	1,547.21	1/4	1,204.24	1/4	861.47	1/4	518.59	1/4	195.01	1/4		1/4	
1/2	2,568.99	1/2	2,226.01	1/2	1,883.04	1/2	1,540.06	1/2	1,197.09	1/2	854.33	1/2	511.45	1/2	188.79	1/2		1/2	
3/4	2,561.84	3/4	2,218.87	3/4	1,875.89	3/4	1,532.92	3/4	1,189.94	3/4	847.20	3/4	504.30	3/4	182.56	3/4		3/4	
5	2,554.70	5	2,211.72	5	1,868.75	5	1,525.77	5	1,182.80	5	840.06	5	497.15	5	176.33	5		5	
1/4	2,547.55	1/4	2,204.58	1/4	1,861.60	1/4	1,518.63	1/4	1,175.65	1/4	832.92	1/4	490.03	1/4	170.19	1/4		1/4	
1/2	2,540.41	1/2	2,197.43	1/2	1,854.46	1/2	1,511.48	1/2	1,168.51	1/2	825.79	1/2	482.91	1/2	164.05	1/2		1/2	
3/4	2,533.26	3/4	2,190.29	3/4	1,847.31	3/4	1,504.34	3/4	1,161.36	3/4	818.65	3/4	475.78	3/4	157.91	3/4		3/4	
6	2,526.12	6	2,183.14	6	1,840.17	6	1,497.19	6	1,154.22	6	811.52	6	468.66	6	151.76	6		6	
1/4	2,518.97	1/4	2,176.00	1/4	1,833.02	1/4	1,490.05	1/4	1,147.07	1/4	804.38	1/4	461.60	1/4	145.71	1/4		1/4	
1/2	2,511.83	1/2	2,168.85	1/2	1,825.88	1/2	1,482.90	1/2	1,139.93	1/2	797.24	1/2	454.54	1/2	139.65	1/2		1/2	
3/4	2,504.68	3/4	2,161.71	3/4	1,818.73	3/4	1,475.76	3/4	1,132.78	3/4	790.09	3/4	447.47	3/4	133.59	3/4		3/4	
7	2,497.53	7	2,154.56	7	1,811.59	7	1,468.61	7	1,125.64	7	782.95	7	440.41	7	127.53	7		7	
1/4	2,490.39	1/4	2,147.41	1/4	1,804.44	1/4	1,461.47	1/4	1,118.49	1/4	775.81	1/4	433.33	1/4	121.55	1/4		1/4	
1/2	2,483.24	1/2	2,140.27	1/2	1,797.30	1/2	1,454.32	1/2	1,111.35	1/2	768.67	1/2	426.46	1/2	115.58	1/2		1/2	
3/4	2,476.10	3/4	2,133.12	3/4	1,790.15	3/4	1,447.18	3/4	1,104.20	3/4	761.52	3/4	419.48	3/4	109.61	3/4		3/4	
8	2,468.95	8	2,125.98	8	1,783.00	8	1,440.03	8	1,097.06	8	754.38	8	412.50	8	103.63	8		8	
1/4	2,461.81	1/4	2,118.83	1/4	1,775.86	1/4	1,432.88	1/4	1,089.91	1/4	747.23	1/4	405.61	1/4	97.74	1/4		1/4	
1/2	2,454.66	1/2	2,111.69	1/2	1,768.71	1/2	1,425.74	1/2	1,082.77	1/2	740.09	1/2	398.71	1/2	91.86	1/2		1/2	
3/4	2,447.52	3/4	2,104.54	3/4	1,761.57	3/4	1,418.59	3/4	1,075.62	3/4	732.94	3/4	391.82	3/4	85.97	3/4		3/4	
9	2,440.37	9	2,097.40	9	1,754.42	9	1,411.45	9	1,068.47	9	725.80	9	384.92	9	80.09	9		9	
1/4	2,433.23	1/4	2,090.25	1/4	1,747.28	1/4	1,404.30	1/4	1,061.33	1/4	718.65	1/4	378.11	1/4	74.30	1/4		1/4	
1/2	2,426.08	1/2	2,083.11	1/2	1,740.13	1/2	1,397.16	1/2	1,054.18	1/2	711.51	1/2	371.30	1/2	68.52	1/2		1/2	
3/4	2,418.94	3/4	2,075.96	3/4	1,732.99	3/4	1,390.01	3/4	1,047.04	3/4	704.36	3/4	364.49	3/4	62.73	3/4		3/4	
10	2,411.79	10	2,068.82	10	1,725.84	10	1,382.87	10	1,039.89	10	697.22	10	357.68	10	56.95	10		10	
1/4	2,404.65	1/4	2,061.67	1/4	1,718.70	1/4	1,375.72	1/4	1,032.75	1/4	690.07	1/4	350.95	1/4	51.69	1/4		1/4	
1/2	2,397.50	1/2	2,054.53	1/2	1,711.55	1/2	1,368.58	1/2	1,025.61	1/2	682.93	1/2	344.23	1/2	46.43	1/2		1/2	
3/4	2,390.35	3/4	2,047.38	3/4	1,704.41	3/4	1,361.43	3/4	1,018.47	3/4	675.78	3/4	337.50	3/4	41.17	3/4		3/4	
11	2,383.21	11	2,040.24	11	1,697.26	11	1,354.29	11	1,011.33	11	668.64	11	330.77	11	35.91	11		11	
1/4	2,376.06	1/4	2,033.09	1/4	1,690.12	1/4	1,347.14	1/4	1,004.20	1/4	661.49	1/4	324.13	1/4	32.06	1/4		1/4	
1/2	2,368.92	1/2	2,025.94	1/2	1,682.97	1/2	1,340.00	1/2	997.06	1/2	654.35	1/2	317.48	1/2	28.20	1/2		1/2	
3/4	2,361.77	3/4	2,018.80	3/4	1,675.82	3/4	1,332.85	3/4	989.92	3/4	647.20	3/4	310.84	3/4	24.35	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019





BARGE "FMT 3302"

2 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	5,092.08	0	4,812.79	0	4,470.99	0	4,128.37	0	3,785.00	0	3,441.63	0	3,098.27		
1/4		1/4		1/4		1/4	5,091.15	1/4	4,805.67	1/4	4,463.87	1/4	4,121.22	1/4	3,777.85	1/4	3,434.48	1/4	3,091.11		
1/2		1/2		1/2		1/2	5,089.15	1/2	4,798.55	1/2	4,456.75	1/2	4,114.06	1/2	3,770.69	1/2	3,427.33	1/2	3,083.96		
3/4		3/4		3/4		3/4	5,087.14	3/4	4,791.43	3/4	4,449.62	3/4	4,106.91	3/4	3,763.54	3/4	3,420.17	3/4	3,076.80		
1		1		1		1	5,085.13	1	4,784.31	1	4,442.50	1	4,099.76	1	3,756.39	1	3,413.02	1	3,069.65		
1/4		1/4		1/4		1/4	5,083.12	1/4	4,777.19	1/4	4,435.38	1/4	4,092.60	1/4	3,749.23	1/4	3,405.87	1/4	3,062.50		
1/2		1/2		1/2		1/2	5,079.92	1/2	4,770.07	1/2	4,428.26	1/2	4,085.45	1/2	3,742.08	1/2	3,398.71	1/2	3,055.34		
3/4		3/4		3/4		3/4	5,076.72	3/4	4,762.94	3/4	4,421.14	3/4	4,078.29	3/4	3,734.93	3/4	3,391.56	3/4	3,048.19		
2		2		2		2	5,073.52	2	4,755.82	2	4,414.02	2	4,071.14	2	3,727.77	2	3,384.41	2	3,041.03		
1/4		1/4		1/4		1/4	5,070.32	1/4	4,748.70	1/4	4,406.90	1/4	4,063.99	1/4	3,720.62	1/4	3,377.25	1/4	3,033.88		
1/2		1/2		1/2		1/2	5,065.93	1/2	4,741.58	1/2	4,399.78	1/2	4,056.83	1/2	3,713.47	1/2	3,370.10	1/2	3,026.72		
3/4		3/4		3/4		3/4	5,061.54	3/4	4,734.46	3/4	4,392.66	3/4	4,049.68	3/4	3,706.31	3/4	3,362.94	3/4	3,019.57		
3		3		3		3	5,057.15	3	4,727.34	3	4,385.54	3	4,042.53	3	3,699.16	3	3,355.79	3	3,012.41		
1/4		1/4		1/4		1/4	5,052.75	1/4	4,720.22	1/4	4,378.42	1/4	4,035.37	1/4	3,692.01	1/4	3,348.64	1/4	3,005.26		
1/2		1/2		1/2		1/2	5,047.17	1/2	4,713.10	1/2	4,371.29	1/2	4,028.22	1/2	3,684.85	1/2	3,341.48	1/2	2,998.10		
3/4		3/4		3/4		3/4	5,041.58	3/4	4,705.98	3/4	4,364.17	3/4	4,021.07	3/4	3,677.70	3/4	3,334.33	3/4	2,990.95		
4		4		4		4	5,036.00	4	4,698.86	4	4,357.05	4	4,013.91	4	3,670.55	4	3,327.18	4	2,983.79		
1/4		1/4		1/4		1/4	5,030.41	1/4	4,691.74	1/4	4,349.93	1/4	4,006.76	1/4	3,663.39	1/4	3,320.02	1/4	2,976.64		
1/2		1/2		1/2		1/2	5,023.82	1/2	4,684.61	1/2	4,342.81	1/2	3,999.61	1/2	3,656.24	1/2	3,312.87	1/2	2,969.48		
3/4		3/4		3/4		3/4	5,017.22	3/4	4,677.49	3/4	4,335.69	3/4	3,992.45	3/4	3,649.08	3/4	3,305.72	3/4	2,962.32		
5		5		5		5	5,010.63	5	4,670.37	5	4,328.57	5	3,985.30	5	3,641.93	5	3,298.56	5	2,955.17		
1/4		1/4		1/4		1/4	5,004.03	1/4	4,663.25	1/4	4,321.45	1/4	3,978.15	1/4	3,634.78	1/4	3,291.41	1/4	2,948.01		
1/2		1/2		1/2		1/2	4,997.00	1/2	4,656.13	1/2	4,314.31	1/2	3,970.99	1/2	3,627.62	1/2	3,284.26	1/2	2,940.86		
3/4		3/4		3/4		3/4	4,989.97	3/4	4,649.01	3/4	4,307.17	3/4	3,963.84	3/4	3,620.47	3/4	3,277.10	3/4	2,933.70		
6		6		6		6	4,982.93	6	4,641.89	6	4,300.04	6	3,956.69	6	3,613.32	6	3,269.95	6	2,926.55		
1/4		1/4		1/4		1/4	4,975.90	1/4	4,634.77	1/4	4,292.90	1/4	3,949.53	1/4	3,606.16	1/4	3,262.80	1/4	2,919.39		
1/2		1/2		1/2		1/2	4,968.83	1/2	4,627.65	1/2	4,285.75	1/2	3,942.38	1/2	3,599.01	1/2	3,255.64	1/2	2,912.24		
3/4		3/4		3/4		3/4	4,961.76	3/4	4,620.53	3/4	4,278.59	3/4	3,935.22	3/4	3,591.86	3/4	3,248.49	3/4	2,905.08		
7		7		7		7	4,954.70	7	4,613.41	7	4,271.44	7	3,928.07	7	3,584.70	7	3,241.34	7	2,897.93		
1/4		1/4		1/4		1/4	4,947.63	1/4	4,606.28	1/4	4,264.29	1/4	3,920.92	1/4	3,577.55	1/4	3,234.18	1/4	2,890.77		
1/2		1/2		1/2		1/2	4,940.55	1/2	4,599.16	1/2	4,257.13	1/2	3,913.76	1/2	3,570.40	1/2	3,227.03	1/2	2,883.61		
3/4		3/4		3/4		3/4	4,933.48	3/4	4,592.04	3/4	4,249.98	3/4	3,906.61	3/4	3,563.24	3/4	3,219.87	3/4	2,876.46		
8		8		8		8	4,926.41	8	4,584.92	8	4,242.83	8	3,899.46	8	3,556.09	8	3,212.72	8	2,869.30		
1/4		1/4		1/4		1/4	4,919.33	1/4	4,577.80	1/4	4,235.67	1/4	3,892.30	1/4	3,548.94	1/4	3,205.57	1/4	2,862.15		
1/2		1/2		1/2		1/2	4,912.25	1/2	4,570.68	1/2	4,228.52	1/2	3,885.15	1/2	3,541.78	1/2	3,198.41	1/2	2,854.99		
3/4		3/4		3/4		3/4	4,905.18	3/4	4,563.56	3/4	4,221.36	3/4	3,878.00	3/4	3,534.63	3/4	3,191.26	3/4	2,847.84		
9		9		9		9	4,898.10	9	4,556.44	9	4,214.21	9	3,870.84	9	3,527.48	9	3,184.11	9	2,840.68		
1/4		1/4		1/4		1/4	4,891.03	1/4	4,549.32	1/4	4,207.06	1/4	3,863.69	1/4	3,520.32	1/4	3,176.95	1/4	2,833.53		
1/2		1/2		1/2		1/2	4,883.93	1/2	4,542.20	1/2	4,199.90	1/2	3,856.54	1/2	3,513.17	1/2	3,169.80	1/2	2,826.37		
3/4		3/4		3/4		3/4	4,876.83	3/4	4,535.08	3/4	4,192.75	3/4	3,849.38	3/4	3,506.01	3/4	3,162.65	3/4	2,819.21		
10		10		10		10	4,869.73	10	4,527.95	10	4,185.60	10	3,842.23	10	3,498.86	10	3,155.49	10	2,812.06		
1/4		1/4		1/4		1/4	4,862.64	1/4	4,520.83	1/4	4,178.44	1/4	3,835.08	1/4	3,491.71	1/4	3,148.34	1/4	2,804.90		
1/2		1/2		1/2		1/2	4,855.52	1/2	4,513.71	1/2	4,171.29	1/2	3,827.92	1/2	3,484.55	1/2	3,141.19	1/2	2,797.75		
3/4		3/4		3/4		3/4	4,848.40	3/4	4,506.59	3/4	4,164.14	3/4	3,820.77	3/4	3,477.40	3/4	3,134.03	3/4	2,790.59		
11		11		11		11	4,841.27	11	4,499.47	11	4,156.98	11	3,813.62	11	3,470.25	11	3,126.88	11	2,783.44		
1/4		1/4		1/4		1/4	5,094.87	1/4	4,834.15	1/4	4,492.35	1/4	4,149.83	1/4	3,806.46	1/4	3,463.09	1/4	3,119.73	1/4	2,776.28
1/2		1/2		1/2		1/2	5,093.94	1/2	4,827.03	1/2	4,485.23	1/2	4,142.68	1/2	3,799.31	1/2	3,455.94	1/2	3,112.57	1/2	2,769.13
3/4		3/4		3/4		3/4	5,093.01	3/4	4,819.91	3/4	4,478.11	3/4	4,135.52	3/4	3,792.15	3/4	3,448.79	3/4	3,105.42	3/4	2,761.97

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

2 PORT ULLAGE TABLE 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,754.82	0	2,411.35	0	2,067.89	0	1,724.42	0	1,380.96	0	1,041.36	0	708.54	0	365.09	0	28.99	0	
1/4	2,747.66	1/4	2,404.20	1/4	2,060.73	1/4	1,717.27	1/4	1,373.80	1/4	1,034.51	1/4	701.38	1/4	357.93	1/4	23.62	1/4	
1/2	2,740.50	1/2	2,397.04	1/2	2,053.58	1/2	1,710.11	1/2	1,366.65	1/2	1,027.67	1/2	694.23	1/2	350.78	1/2	20.05	1/2	
3/4	2,733.35	3/4	2,389.88	3/4	2,046.42	3/4	1,702.96	3/4	1,359.49	3/4	1,020.82	3/4	687.07	3/4	343.62	3/4	16.47	3/4	
1	2,726.19	1	2,382.73	1	2,039.27	1	1,695.80	1	1,352.34	1	1,013.97	1	679.92	1	336.47	1	12.89	1	
1/4	2,719.04	1/4	2,375.57	1/4	2,032.11	1/4	1,688.65	1/4	1,345.18	1/4	1,007.12	1/4	672.76	1/4	329.31	1/4	9.31	1/4	
1/2	2,711.88	1/2	2,368.42	1/2	2,024.95	1/2	1,681.49	1/2	1,338.03	1/2	1,000.28	1/2	665.61	1/2	322.16	1/2	7.52	1/2	
3/4	2,704.73	3/4	2,361.26	3/4	2,017.80	3/4	1,674.33	3/4	1,330.87	3/4	993.43	3/4	658.45	3/4	315.00	3/4	5.74	3/4	
2	2,697.57	2	2,354.11	2	2,010.64	2	1,667.18	2	1,323.72	2	986.58	2	651.30	2	307.85	2	3.95	2	
1/4	2,690.42	1/4	2,346.95	1/4	2,003.49	1/4	1,660.02	1/4	1,316.56	1/4	979.73	1/4	644.14	1/4	300.69	1/4	2.16	1/4	
1/2	2,683.26	1/2	2,339.80	1/2	1,996.33	1/2	1,652.87	1/2	1,309.40	1/2	972.88	1/2	636.98	1/2	293.54	1/2		1/2	
3/4	2,676.10	3/4	2,332.64	3/4	1,989.18	3/4	1,645.71	3/4	1,302.25	3/4	966.04	3/4	629.83	3/4	286.38	3/4		3/4	
3	2,668.95	3	2,325.49	3	1,982.02	3	1,638.56	3	1,295.09	3	959.19	3	622.67	3	279.22	3		3	
1/4	2,661.79	1/4	2,318.33	1/4	1,974.87	1/4	1,631.40	1/4	1,287.94	1/4	952.34	1/4	615.52	1/4	272.07	1/4		1/4	
1/2	2,654.64	1/2	2,311.17	1/2	1,967.71	1/2	1,624.25	1/2	1,280.78	1/2	945.49	1/2	608.36	1/2	264.91	1/2		1/2	
3/4	2,647.48	3/4	2,304.02	3/4	1,960.55	3/4	1,617.09	3/4	1,273.63	3/4	938.65	3/4	601.21	3/4	257.76	3/4		3/4	
4	2,640.33	4	2,296.86	4	1,953.40	4	1,609.94	4	1,266.47	4	931.80	4	594.05	4	250.60	4		4	
1/4	2,633.17	1/4	2,289.71	1/4	1,946.24	1/4	1,602.78	1/4	1,259.32	1/4	924.95	1/4	586.90	1/4	243.45	1/4		1/4	
1/2	2,626.02	1/2	2,282.55	1/2	1,939.09	1/2	1,595.62	1/2	1,252.16	1/2	918.10	1/2	579.74	1/2	236.29	1/2		1/2	
3/4	2,618.86	3/4	2,275.40	3/4	1,931.93	3/4	1,588.47	3/4	1,245.00	3/4	911.26	3/4	572.59	3/4	229.14	3/4		3/4	
5	2,611.71	5	2,268.24	5	1,924.78	5	1,581.31	5	1,237.85	5	904.41	5	565.43	5	221.98	5		5	
1/4	2,604.55	1/4	2,261.09	1/4	1,917.62	1/4	1,574.16	1/4	1,230.69	1/4	897.56	1/4	558.28	1/4	214.83	1/4		1/4	
1/2	2,597.39	1/2	2,253.93	1/2	1,910.47	1/2	1,567.00	1/2	1,223.54	1/2	890.71	1/2	551.12	1/2	207.67	1/2		1/2	
3/4	2,590.24	3/4	2,246.77	3/4	1,903.31	3/4	1,559.85	3/4	1,216.38	3/4	883.87	3/4	543.97	3/4	200.52	3/4		3/4	
6	2,583.08	6	2,239.62	6	1,896.16	6	1,552.69	6	1,209.23	6	877.02	6	536.81	6	193.36	6		6	
1/4	2,575.93	1/4	2,232.46	1/4	1,889.00	1/4	1,545.54	1/4	1,202.07	1/4	870.17	1/4	529.66	1/4	186.21	1/4		1/4	
1/2	2,568.77	1/2	2,225.31	1/2	1,881.84	1/2	1,538.38	1/2	1,194.92	1/2	863.32	1/2	522.50	1/2	179.05	1/2		1/2	
3/4	2,561.62	3/4	2,218.15	3/4	1,874.69	3/4	1,531.22	3/4	1,187.76	3/4	856.47	3/4	515.35	3/4	171.90	3/4		3/4	
7	2,554.46	7	2,211.00	7	1,867.53	7	1,524.07	7	1,180.61	7	849.62	7	508.19	7	164.74	7		7	
1/4	2,547.31	1/4	2,203.84	1/4	1,860.38	1/4	1,516.91	1/4	1,173.45	1/4	842.76	1/4	501.04	1/4	157.59	1/4		1/4	
1/2	2,540.15	1/2	2,196.69	1/2	1,853.22	1/2	1,509.76	1/2	1,166.29	1/2	835.90	1/2	493.88	1/2	150.43	1/2		1/2	
3/4	2,532.99	3/4	2,189.53	3/4	1,846.07	3/4	1,502.60	3/4	1,159.14	3/4	829.04	3/4	486.73	3/4	143.28	3/4		3/4	
8	2,525.84	8	2,182.38	8	1,838.91	8	1,495.45	8	1,151.98	8	822.17	8	479.57	8	136.12	8		8	
1/4	2,518.68	1/4	2,175.22	1/4	1,831.76	1/4	1,488.29	1/4	1,144.83	1/4	815.31	1/4	472.42	1/4	128.97	1/4		1/4	
1/2	2,511.53	1/2	2,168.06	1/2	1,824.60	1/2	1,481.14	1/2	1,137.81	1/2	808.29	1/2	465.26	1/2	121.82	1/2		1/2	
3/4	2,504.37	3/4	2,160.91	3/4	1,817.44	3/4	1,473.98	3/4	1,130.80	3/4	801.28	3/4	458.10	3/4	114.67	3/4		3/4	
9	2,497.22	9	2,153.75	9	1,810.29	9	1,466.83	9	1,123.78	9	794.26	9	450.95	9	107.52	9		9	
1/4	2,490.06	1/4	2,146.60	1/4	1,803.13	1/4	1,459.67	1/4	1,116.77	1/4	787.24	1/4	443.79	1/4	100.37	1/4		1/4	
1/2	2,482.91	1/2	2,139.44	1/2	1,795.98	1/2	1,452.51	1/2	1,109.91	1/2	780.09	1/2	436.64	1/2	93.24	1/2		1/2	
3/4	2,475.75	3/4	2,132.29	3/4	1,788.82	3/4	1,445.36	3/4	1,103.04	3/4	772.93	3/4	429.48	3/4	86.11	3/4		3/4	
10	2,468.60	10	2,125.13	10	1,781.67	10	1,438.20	10	1,096.18	10	765.78	10	422.33	10	78.98	10		10	
1/4	2,461.44	1/4	2,117.98	1/4	1,774.51	1/4	1,431.05	1/4	1,089.31	1/4	758.62	1/4	415.17	1/4	71.84	1/4		1/4	
1/2	2,454.28	1/2	2,110.82	1/2	1,767.36	1/2	1,423.89	1/2	1,082.46	1/2	751.47	1/2	408.02	1/2	65.15	1/2		1/2	
3/4	2,447.13	3/4	2,103.66	3/4	1,760.20	3/4	1,416.74	3/4	1,075.61	3/4	744.31	3/4	400.86	3/4	58.46	3/4		3/4	
11	2,439.97	11	2,096.51	11	1,753.05	11	1,409.58	11	1,068.76	11	737.16	11	393.71	11	51.78	11		11	
1/4	2,432.82	1/4	2,089.35	1/4	1,745.89	1/4	1,402.43	1/4	1,061.91	1/4	730.00	1/4	386.55	1/4	45.09	1/4		1/4	
1/2	2,425.66	1/2	2,082.20	1/2	1,738.73	1/2	1,395.27	1/2	1,055.06	1/2	722.85	1/2	379.40	1/2	39.72	1/2		1/2	
3/4	2,418.51	3/4	2,075.04	3/4	1,731.58	3/4	1,388.11	3/4	1,048.21	3/4	715.69	3/4	372.24	3/4	34.35	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

2 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,099.69	0	4,814.44	0	4,472.94	0	4,130.59	0	3,787.52	0	3,444.52	0	3,101.54
1/4		1/4		1/4		1/4	5,097.69	1/4	4,807.32	1/4	4,465.82	1/4	4,123.44	1/4	3,780.37	1/4	3,437.37	1/4	3,094.40
1/2		1/2		1/2		1/2	5,095.68	1/2	4,800.21	1/2	4,458.71	1/2	4,116.29	1/2	3,773.22	1/2	3,430.23	1/2	3,087.25
3/4		3/4		3/4		3/4	5,093.67	3/4	4,793.09	3/4	4,451.59	3/4	4,109.15	3/4	3,766.08	3/4	3,423.08	3/4	3,080.11
1		1		1		1	5,091.67	1	4,785.98	1	4,444.48	1	4,102.00	1	3,758.93	1	3,415.94	1	3,072.96
1/4		1/4		1/4		1/4	5,088.47	1/4	4,778.86	1/4	4,437.36	1/4	4,094.85	1/4	3,751.78	1/4	3,408.79	1/4	3,065.82
1/2		1/2		1/2		1/2	5,085.27	1/2	4,771.75	1/2	4,430.25	1/2	4,087.70	1/2	3,744.63	1/2	3,401.65	1/2	3,058.67
3/4		3/4		3/4		3/4	5,082.07	3/4	4,764.64	3/4	4,423.13	3/4	4,080.56	3/4	3,737.49	3/4	3,394.50	3/4	3,051.53
2		2		2		2	5,078.87	2	4,757.52	2	4,416.02	2	4,073.41	2	3,730.34	2	3,387.35	2	3,044.38
1/4		1/4		1/4		1/4	5,074.48	1/4	4,750.41	1/4	4,408.91	1/4	4,066.26	1/4	3,723.19	1/4	3,380.21	1/4	3,037.24
1/2		1/2		1/2		1/2	5,070.09	1/2	4,743.29	1/2	4,401.79	1/2	4,059.11	1/2	3,716.04	1/2	3,373.06	1/2	3,030.09
3/4		3/4		3/4		3/4	5,065.70	3/4	4,736.18	3/4	4,394.68	3/4	4,051.97	3/4	3,708.90	3/4	3,365.92	3/4	3,022.94
3		3		3		3	5,061.31	3	4,729.06	3	4,387.56	3	4,044.82	3	3,701.75	3	3,358.77	3	3,015.79
1/4		1/4		1/4		1/4	5,055.73	1/4	4,721.95	1/4	4,380.45	1/4	4,037.67	1/4	3,694.60	1/4	3,351.63	1/4	3,008.65
1/2		1/2		1/2		1/2	5,050.15	1/2	4,714.83	1/2	4,373.33	1/2	4,030.53	1/2	3,687.46	1/2	3,344.48	1/2	3,001.50
3/4		3/4		3/4		3/4	5,044.57	3/4	4,707.72	3/4	4,366.22	3/4	4,023.38	3/4	3,680.31	3/4	3,337.34	3/4	2,994.35
4		4		4		4	5,038.99	4	4,700.60	4	4,359.10	4	4,016.23	4	3,673.17	4	3,330.19	4	2,987.20
1/4		1/4		1/4		1/4	5,032.40	1/4	4,693.49	1/4	4,351.99	1/4	4,009.08	1/4	3,666.02	1/4	3,323.05	1/4	2,980.06
1/2		1/2		1/2		1/2	5,025.81	1/2	4,686.37	1/2	4,344.87	1/2	4,001.94	1/2	3,658.88	1/2	3,315.90	1/2	2,972.91
3/4		3/4		3/4		3/4	5,019.23	3/4	4,679.26	3/4	4,337.76	3/4	3,994.79	3/4	3,651.73	3/4	3,308.76	3/4	2,965.76
5		5		5		5	5,012.64	5	4,672.15	5	4,330.64	5	3,987.64	5	3,644.59	5	3,301.61	5	2,958.62
1/4		1/4		1/4		1/4	5,005.61	1/4	4,665.03	1/4	4,323.51	1/4	3,980.49	1/4	3,637.44	1/4	3,294.47	1/4	2,951.47
1/2		1/2		1/2		1/2	4,998.58	1/2	4,657.92	1/2	4,316.38	1/2	3,973.35	1/2	3,630.30	1/2	3,287.32	1/2	2,944.32
3/4		3/4		3/4		3/4	4,991.55	3/4	4,650.80	3/4	4,309.25	3/4	3,966.20	3/4	3,623.15	3/4	3,280.18	3/4	2,937.17
6		6		6		6	4,984.52	6	4,643.69	6	4,302.12	6	3,959.05	6	3,616.00	6	3,273.03	6	2,930.03
1/4		1/4		1/4		1/4	4,977.46	1/4	4,636.57	1/4	4,294.98	1/4	3,951.91	1/4	3,608.86	1/4	3,265.88	1/4	2,922.88
1/2		1/2		1/2		1/2	4,970.40	1/2	4,629.46	1/2	4,287.83	1/2	3,944.76	1/2	3,601.71	1/2	3,258.74	1/2	2,915.73
3/4		3/4		3/4		3/4	4,963.34	3/4	4,622.34	3/4	4,280.68	3/4	3,937.61	3/4	3,594.57	3/4	3,251.59	3/4	2,908.58
7		7		7		7	4,956.28	7	4,615.23	7	4,273.53	7	3,930.46	7	3,587.42	7	3,244.45	7	2,901.44
1/4		1/4		1/4		1/4	4,949.21	1/4	4,608.11	1/4	4,266.39	1/4	3,923.32	1/4	3,580.28	1/4	3,237.30	1/4	2,894.29
1/2		1/2		1/2		1/2	4,942.14	1/2	4,601.00	1/2	4,259.24	1/2	3,916.17	1/2	3,573.13	1/2	3,230.16	1/2	2,887.14
3/4		3/4		3/4		3/4	4,935.07	3/4	4,593.88	3/4	4,252.09	3/4	3,909.02	3/4	3,565.99	3/4	3,223.01	3/4	2,880.00
8		8		8		8	4,928.00	8	4,586.77	8	4,244.94	8	3,901.87	8	3,558.84	8	3,215.87	8	2,872.85
1/4		1/4		1/4		1/4	4,920.93	1/4	4,579.66	1/4	4,237.80	1/4	3,894.73	1/4	3,551.70	1/4	3,208.72	1/4	2,865.70
1/2		1/2		1/2		1/2	4,913.86	1/2	4,572.54	1/2	4,230.65	1/2	3,887.58	1/2	3,544.55	1/2	3,201.58	1/2	2,858.55
3/4		3/4		3/4		3/4	4,906.79	3/4	4,565.43	3/4	4,223.50	3/4	3,880.43	3/4	3,537.41	3/4	3,194.43	3/4	2,851.41
9		9		9		9	4,899.72	9	4,558.31	9	4,216.36	9	3,873.28	9	3,530.26	9	3,187.29	9	2,844.26
1/4		1/4		1/4		1/4	4,892.63	1/4	4,551.20	1/4	4,209.21	1/4	3,866.14	1/4	3,523.12	1/4	3,180.14	1/4	2,837.11
1/2		1/2		1/2		1/2	4,885.54	1/2	4,544.08	1/2	4,202.06	1/2	3,858.99	1/2	3,515.97	1/2	3,173.00	1/2	2,829.96
3/4		3/4		3/4		3/4	4,878.45	3/4	4,536.97	3/4	4,194.91	3/4	3,851.84	3/4	3,508.82	3/4	3,165.85	3/4	2,822.82
10		10		10		10	4,871.35	10	4,529.85	10	4,187.77	10	3,844.70	10	3,501.68	10	3,158.71	10	2,815.67
1/4		1/4		1/4		1/4	4,864.24	1/4	4,522.74	1/4	4,180.62	1/4	3,837.55	1/4	3,494.53	1/4	3,151.56	1/4	2,808.52
1/2		1/2		1/2		1/2	4,857.12	1/2	4,515.62	1/2	4,173.47	1/2	3,830.40	1/2	3,487.39	1/2	3,144.41	1/2	2,801.38
3/4		3/4		3/4		3/4	4,850.01	3/4	4,508.51	3/4	4,166.32	3/4	3,823.25	3/4	3,480.24	3/4	3,137.27	3/4	2,794.23
11		11		11	5,103.41	11	4,842.90	11	4,501.39	11	4,159.18	11	3,816.11	11	3,473.10	11	3,130.12	11	2,787.08
1/4		1/4		1/4	5,102.48	1/4	4,835.78	1/4	4,494.28	1/4	4,152.03	1/4	3,808.96	1/4	3,465.95	1/4	3,122.98	1/4	2,779.93
1/2		1/2		1/2	5,101.55	1/2	4,828.67	1/2	4,487.17	1/2	4,144.88	1/2	3,801.81	1/2	3,458.81	1/2	3,115.83	1/2	2,772.79
3/4		3/4		3/4	5,100.62	3/4	4,821.55	3/4	4,480.05	3/4	4,137.73	3/4	3,794.66	3/4	3,451.66	3/4	3,108.69	3/4	2,765.64

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

2 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,758.49	0	2,415.42	0	2,072.35	0	1,729.28	0	1,386.21	0	1,043.25	0	700.57	0	357.51	0	23.59	0	
1/4	2,751.34	1/4	2,408.27	1/4	2,065.20	1/4	1,722.13	1/4	1,379.06	1/4	1,036.11	1/4	693.42	1/4	350.37	1/4	20.02	1/4	
1/2	2,744.20	1/2	2,401.13	1/2	2,058.06	1/2	1,714.99	1/2	1,371.91	1/2	1,028.98	1/2	686.28	1/2	343.22	1/2	16.44	1/2	
3/4	2,737.05	3/4	2,393.98	3/4	2,050.91	3/4	1,707.84	3/4	1,364.77	3/4	1,021.85	3/4	679.13	3/4	336.07	3/4	12.87	3/4	
1	2,729.90	1	2,386.83	1	2,043.76	1	1,700.69	1	1,357.62	1	1,014.71	1	671.98	1	328.93	1	9.30	1	
1/4	2,722.75	1/4	2,379.68	1/4	2,036.61	1/4	1,693.54	1/4	1,350.47	1/4	1,007.58	1/4	664.83	1/4	321.78	1/4	7.51	1/4	
1/2	2,715.61	1/2	2,372.54	1/2	2,029.47	1/2	1,686.40	1/2	1,343.33	1/2	1,000.45	1/2	657.69	1/2	314.63	1/2	5.72	1/2	
3/4	2,708.46	3/4	2,365.39	3/4	2,022.32	3/4	1,679.25	3/4	1,336.18	3/4	993.31	3/4	650.54	3/4	307.48	3/4	3.94	3/4	
2	2,701.31	2	2,358.24	2	2,015.17	2	1,672.10	2	1,329.03	2	986.18	2	643.39	2	300.34	2	2.15	2	
1/4	2,694.17	1/4	2,351.10	1/4	2,008.02	1/4	1,664.95	1/4	1,321.88	1/4	979.05	1/4	636.25	1/4	293.19	1/4		1/4	
1/2	2,687.02	1/2	2,343.95	1/2	2,000.88	1/2	1,657.81	1/2	1,314.74	1/2	971.91	1/2	629.10	1/2	286.04	1/2		1/2	
3/4	2,679.87	3/4	2,336.80	3/4	1,993.73	3/4	1,650.66	3/4	1,307.59	3/4	964.78	3/4	621.95	3/4	278.90	3/4		3/4	
3	2,672.72	3	2,329.65	3	1,986.58	3	1,643.51	3	1,300.44	3	957.65	3	614.81	3	271.75	3		3	
1/4	2,665.58	1/4	2,322.51	1/4	1,979.44	1/4	1,636.37	1/4	1,293.29	1/4	950.51	1/4	607.66	1/4	264.60	1/4		1/4	
1/2	2,658.43	1/2	2,315.36	1/2	1,972.29	1/2	1,629.22	1/2	1,286.15	1/2	943.38	1/2	600.51	1/2	257.46	1/2		1/2	
3/4	2,651.28	3/4	2,308.21	3/4	1,965.14	3/4	1,622.07	3/4	1,279.00	3/4	936.25	3/4	593.36	3/4	250.31	3/4		3/4	
4	2,644.13	4	2,301.06	4	1,957.99	4	1,614.92	4	1,271.85	4	929.12	4	586.22	4	243.16	4		4	
1/4	2,636.99	1/4	2,293.92	1/4	1,950.85	1/4	1,607.78	1/4	1,264.71	1/4	921.98	1/4	579.07	1/4	236.01	1/4		1/4	
1/2	2,629.84	1/2	2,286.77	1/2	1,943.70	1/2	1,600.63	1/2	1,257.56	1/2	914.85	1/2	571.92	1/2	228.87	1/2		1/2	
3/4	2,622.69	3/4	2,279.62	3/4	1,936.55	3/4	1,593.48	3/4	1,250.41	3/4	907.72	3/4	564.78	3/4	221.72	3/4		3/4	
5	2,615.55	5	2,272.47	5	1,929.40	5	1,586.33	5	1,243.26	5	900.58	5	557.63	5	214.57	5		5	
1/4	2,608.40	1/4	2,265.33	1/4	1,922.26	1/4	1,579.19	1/4	1,236.12	1/4	893.45	1/4	550.48	1/4	207.43	1/4		1/4	
1/2	2,601.25	1/2	2,258.18	1/2	1,915.11	1/2	1,572.04	1/2	1,228.97	1/2	886.32	1/2	543.34	1/2	200.28	1/2		1/2	
3/4	2,594.10	3/4	2,251.03	3/4	1,907.96	3/4	1,564.89	3/4	1,221.82	3/4	879.18	3/4	536.19	3/4	193.13	3/4		3/4	
6	2,586.96	6	2,243.89	6	1,900.82	6	1,557.74	6	1,214.67	6	872.05	6	529.04	6	185.99	6		6	
1/4	2,579.81	1/4	2,236.74	1/4	1,893.67	1/4	1,550.60	1/4	1,207.53	1/4	864.91	1/4	521.89	1/4	178.84	1/4		1/4	
1/2	2,572.66	1/2	2,229.59	1/2	1,886.52	1/2	1,543.45	1/2	1,200.38	1/2	857.78	1/2	514.75	1/2	171.69	1/2		1/2	
3/4	2,565.51	3/4	2,222.44	3/4	1,879.37	3/4	1,536.30	3/4	1,193.23	3/4	850.64	3/4	507.60	3/4	164.54	3/4		3/4	
7	2,558.37	7	2,215.30	7	1,872.23	7	1,529.16	7	1,186.09	7	843.50	7	500.45	7	157.40	7		7	
1/4	2,551.22	1/4	2,208.15	1/4	1,865.08	1/4	1,522.01	1/4	1,178.94	1/4	836.36	1/4	493.31	1/4	150.25	1/4		1/4	
1/2	2,544.07	1/2	2,201.00	1/2	1,857.93	1/2	1,514.86	1/2	1,171.79	1/2	829.21	1/2	486.16	1/2	143.10	1/2		1/2	
3/4	2,536.92	3/4	2,193.85	3/4	1,850.78	3/4	1,507.71	3/4	1,164.64	3/4	822.07	3/4	479.01	3/4	135.96	3/4		3/4	
8	2,529.78	8	2,186.71	8	1,843.64	8	1,500.57	8	1,157.50	8	814.92	8	471.87	8	128.81	8		8	
1/4	2,522.63	1/4	2,179.56	1/4	1,836.49	1/4	1,493.42	1/4	1,150.35	1/4	807.77	1/4	464.72	1/4	121.67	1/4		1/4	
1/2	2,515.48	1/2	2,172.41	1/2	1,829.34	1/2	1,486.27	1/2	1,143.20	1/2	800.63	1/2	457.57	1/2	114.53	1/2		1/2	
3/4	2,508.34	3/4	2,165.27	3/4	1,822.19	3/4	1,479.12	3/4	1,136.05	3/4	793.48	3/4	450.42	3/4	107.39	3/4		3/4	
9	2,501.19	9	2,158.12	9	1,815.05	9	1,471.98	9	1,128.91	9	786.33	9	443.28	9	100.25	9		9	
1/4	2,494.04	1/4	2,150.97	1/4	1,807.90	1/4	1,464.83	1/4	1,121.76	1/4	779.19	1/4	436.13	1/4	93.12	1/4		1/4	
1/2	2,486.89	1/2	2,143.82	1/2	1,800.75	1/2	1,457.68	1/2	1,114.62	1/2	772.04	1/2	428.98	1/2	86.00	1/2		1/2	
3/4	2,479.75	3/4	2,136.68	3/4	1,793.61	3/4	1,450.54	3/4	1,107.47	3/4	764.89	3/4	421.84	3/4	78.88	3/4		3/4	
10	2,472.60	10	2,129.53	10	1,786.46	10	1,443.39	10	1,100.33	10	757.75	10	414.69	10	71.75	10		10	
1/4	2,465.45	1/4	2,122.38	1/4	1,779.31	1/4	1,436.24	1/4	1,093.19	1/4	750.60	1/4	407.54	1/4	65.07	1/4		1/4	
1/2	2,458.30	1/2	2,115.23	1/2	1,772.16	1/2	1,429.09	1/2	1,086.05	1/2	743.45	1/2	400.40	1/2	58.39	1/2		1/2	
3/4	2,451.16	3/4	2,108.09	3/4	1,765.02	3/4	1,421.95	3/4	1,078.92	3/4	736.30	3/4	393.25	3/4	51.71	3/4		3/4	
11	2,444.01	11	2,100.94	11	1,757.87	11	1,414.80	11	1,071.78	11	729.16	11	386.10	11	45.03	11		11	
1/4	2,436.86	1/4	2,093.79	1/4	1,750.72	1/4	1,407.65	1/4	1,064.65	1/4	722.01	1/4	378.95	1/4	39.67	1/4		1/4	
1/2	2,429.72	1/2	2,086.64	1/2	1,743.57	1/2	1,400.50	1/2	1,057.51	1/2	714.86	1/2	371.81	1/2	34.31	1/2		1/2	
3/4	2,422.57	3/4	2,079.50	3/4	1,736.43	3/4	1,393.36	3/4	1,050.38	3/4	707.72	3/4	364.66	3/4	28.95	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 CL
CALCULATED: 08/02/2019 CL
PRINTED: 08/03/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

3 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,394.05	0	4,224.70	0	4,015.93	0	3,806.66	0	3,596.97	0	3,387.82	0	3,074.79
1/4		1/4		1/4		1/4	4,392.34	1/4	4,220.35	1/4	4,011.58	1/4	3,802.29	1/4	3,592.61	1/4	3,383.48	1/4	3,067.68
1/2		1/2		1/2		1/2	4,390.63	1/2	4,216.00	1/2	4,007.23	1/2	3,797.93	1/2	3,588.24	1/2	3,379.14	1/2	3,060.57
3/4		3/4		3/4		3/4	4,388.93	3/4	4,211.65	3/4	4,002.88	3/4	3,793.56	3/4	3,583.87	3/4	3,374.79	3/4	3,053.46
1		1		1		1	4,207.22	1	4,037.30	1	3,998.53	1	3,789.19	1	3,579.50	1	3,370.45	1	3,046.35
1/4		1/4		1/4		1/4	4,385.51	1/4	4,202.95	1/4	3,994.18	1/4	3,784.82	1/4	3,575.13	1/4	3,366.11	1/4	3,039.24
1/2		1/2		1/2		1/2	4,383.81	1/2	4,198.60	1/2	3,989.83	1/2	3,780.45	1/2	3,570.76	1/2	3,361.78	1/2	3,032.12
3/4		3/4		3/4		3/4	4,382.10	3/4	4,194.25	3/4	3,985.48	3/4	3,776.08	3/4	3,566.39	3/4	3,357.45	3/4	3,025.00
2		2		2		2	4,380.39	2	4,189.90	2	3,981.13	2	3,771.71	2	3,562.03	2	3,353.11	2	3,017.88
1/4		1/4		1/4		1/4	4,378.42	1/4	4,185.55	1/4	3,976.78	1/4	3,767.35	1/4	3,557.66	1/4	3,347.40	1/4	3,010.76
1/2		1/2		1/2		1/2	4,376.44	1/2	4,181.20	1/2	3,972.43	1/2	3,762.98	1/2	3,553.29	1/2	3,341.68	1/2	3,003.63
3/4		3/4		3/4		3/4	4,374.47	3/4	4,176.86	3/4	3,968.08	3/4	3,758.61	3/4	3,548.92	3/4	3,335.97	3/4	2,996.50
3		3		3		3	4,372.49	3	4,172.51	3	3,963.73	3	3,754.24	3	3,544.55	3	3,330.25	3	2,989.38
1/4		1/4		1/4		1/4	4,369.66	1/4	4,168.16	1/4	3,959.39	1/4	3,749.87	1/4	3,540.19	1/4	3,323.16	1/4	2,982.25
1/2		1/2		1/2		1/2	4,366.82	1/2	4,163.81	1/2	3,955.04	1/2	3,745.50	1/2	3,535.83	1/2	3,316.06	1/2	2,975.13
3/4		3/4		3/4		3/4	4,363.98	3/4	4,159.46	3/4	3,950.69	3/4	3,741.13	3/4	3,531.47	3/4	3,308.97	3/4	2,968.00
4		4		4		4	4,361.15	4	4,155.11	4	3,946.34	4	3,736.77	4	3,527.11	4	3,301.88	4	2,960.87
1/4		1/4		1/4		1/4	4,357.30	1/4	4,150.76	1/4	3,941.99	1/4	3,732.40	1/4	3,522.76	1/4	3,294.78	1/4	2,953.75
1/2		1/2		1/2		1/2	4,353.46	1/2	4,146.41	1/2	3,937.64	1/2	3,728.03	1/2	3,518.40	1/2	3,287.69	1/2	2,946.62
3/4		3/4		3/4		3/4	4,349.62	3/4	4,142.06	3/4	3,933.29	3/4	3,723.66	3/4	3,514.05	3/4	3,280.59	3/4	2,939.50
5		5		5		5	4,345.78	5	4,137.71	5	3,928.94	5	3,719.29	5	3,509.70	5	3,273.50	5	2,932.37
1/4		1/4		1/4		1/4	4,341.50	1/4	4,133.36	1/4	3,924.58	1/4	3,714.92	1/4	3,505.35	1/4	3,266.41	1/4	2,925.25
1/2		1/2		1/2		1/2	4,337.22	1/2	4,129.01	1/2	3,920.22	1/2	3,710.56	1/2	3,500.99	1/2	3,259.31	1/2	2,918.13
3/4		3/4		3/4		3/4	4,332.94	3/4	4,124.66	3/4	3,915.86	3/4	3,706.19	3/4	3,496.64	3/4	3,252.22	3/4	2,911.01
6		6		6		6	4,328.66	6	4,120.31	6	3,911.51	6	3,701.82	6	3,492.29	6	3,245.13	6	2,903.89
1/4		1/4		1/4		1/4	4,324.34	1/4	4,115.96	1/4	3,907.14	1/4	3,697.45	1/4	3,487.94	1/4	3,238.03	1/4	2,896.78
1/2		1/2		1/2		1/2	4,320.03	1/2	4,111.61	1/2	3,902.77	1/2	3,693.08	1/2	3,483.58	1/2	3,230.94	1/2	2,889.66
3/4		3/4		3/4		3/4	4,315.72	3/4	4,107.26	3/4	3,898.40	3/4	3,688.71	3/4	3,479.23	3/4	3,223.85	3/4	2,882.55
7		7		7		7	4,311.40	7	4,102.92	7	3,894.03	7	3,684.34	7	3,474.88	7	3,216.75	7	2,875.43
1/4		1/4		1/4		1/4	4,307.08	1/4	4,098.57	1/4	3,889.66	1/4	3,679.98	1/4	3,470.52	1/4	3,209.66	1/4	2,868.32
1/2		1/2		1/2		1/2	4,302.76	1/2	4,094.22	1/2	3,885.30	1/2	3,675.61	1/2	3,466.17	1/2	3,202.57	1/2	2,861.20
3/4		3/4		3/4		3/4	4,298.44	3/4	4,089.87	3/4	3,880.93	3/4	3,671.24	3/4	3,461.82	3/4	3,195.48	3/4	2,854.09
8		8		8		8	4,294.12	8	4,085.52	8	3,876.56	8	3,666.87	8	3,457.47	8	3,188.38	8	2,846.98
1/4		1/4		1/4		1/4	4,289.80	1/4	4,081.17	1/4	3,872.19	1/4	3,662.50	1/4	3,453.11	1/4	3,181.29	1/4	2,839.86
1/2		1/2		1/2		1/2	4,285.48	1/2	4,076.82	1/2	3,867.82	1/2	3,658.13	1/2	3,448.76	1/2	3,174.20	1/2	2,832.75
3/4		3/4		3/4		3/4	4,281.16	3/4	4,072.47	3/4	3,863.45	3/4	3,653.76	3/4	3,444.41	3/4	3,167.10	3/4	2,825.63
9		9		9		9	4,276.84	9	4,068.12	9	3,859.08	9	3,649.40	9	3,440.06	9	3,160.01	9	2,818.52
1/4		1/4		1/4		1/4	4,272.50	1/4	4,063.77	1/4	3,854.72	1/4	3,645.03	1/4	3,435.70	1/4	3,152.92	1/4	2,811.40
1/2		1/2		1/2		1/2	4,268.16	1/2	4,059.42	1/2	3,850.35	1/2	3,640.66	1/2	3,431.35	1/2	3,145.83	1/2	2,804.29
3/4		3/4		3/4		3/4	4,263.83	3/4	4,055.07	3/4	3,845.98	3/4	3,636.29	3/4	3,427.00	3/4	3,138.73	3/4	2,797.18
10		10		10		10	4,259.49	10	4,050.72	10	3,841.61	10	3,631.92	10	3,422.64	10	3,131.64	10	2,790.06
1/4		1/4		1/4		1/4	4,255.14	1/4	4,046.37	1/4	3,837.24	1/4	3,627.55	1/4	3,418.29	1/4	3,124.54	1/4	2,782.95
1/2		1/2		1/2		1/2	4,250.80	1/2	4,042.02	1/2	3,832.87	1/2	3,623.19	1/2	3,413.94	1/2	3,117.44	1/2	2,775.83
3/4		3/4		3/4		3/4	4,246.45	3/4	4,037.67	3/4	3,828.50	3/4	3,618.82	3/4	3,409.59	3/4	3,110.34	3/4	2,768.72
11		11		11	4,398.35	11	4,242.10	11	4,033.33	11	3,824.14	11	3,614.45	11	3,405.23	11	3,103.23	11	2,761.61
1/4		1/4		1/4	4,397.27	1/4	4,237.75	1/4	4,028.98	1/4	3,819.77	1/4	3,610.08	1/4	3,400.88	1/4	3,096.12	1/4	2,754.49
1/2		1/2		1/2	4,396.20	1/2	4,233.40	1/2	4,024.63	1/2	3,815.40	1/2	3,605.71	1/2	3,396.53	1/2	3,089.01	1/2	2,747.38
3/4		3/4		3/4	4,395.12	3/4	4,229.05	3/4	4,020.28	3/4	3,811.03	3/4	3,601.34	3/4	3,392.18	3/4	3,081.90	3/4	2,740.26

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3302"

3 PORT ULLAGE TABLE 10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,733.15	0	2,391.66	0	2,050.14	0	1,708.61	0	1,367.09	0	1,029.55	0	698.18	0	356.57	0	23.53	0	
1/4	2,726.03	1/4	2,384.55	1/4	2,043.02	1/4	1,701.50	1/4	1,359.97	1/4	1,022.74	1/4	691.06	1/4	349.44	1/4	19.97	1/4	
1/2	2,718.92	1/2	2,377.43	1/2	2,035.91	1/2	1,694.38	1/2	1,352.86	1/2	1,015.94	1/2	683.95	1/2	342.31	1/2	16.40	1/2	
3/4	2,711.81	3/4	2,370.32	3/4	2,028.79	3/4	1,687.27	3/4	1,345.74	3/4	1,009.13	3/4	676.83	3/4	335.18	3/4	12.84	3/4	
1	2,704.69	1	2,363.20	1	2,021.68	1	1,680.15	1	1,338.63	1	1,002.32	1	669.71	1	328.06	1	9.28	1	
1/4	2,697.58	1/4	2,356.08	1/4	2,014.56	1/4	1,673.04	1/4	1,331.51	1/4	995.52	1/4	662.60	1/4	320.93	1/4	7.50	1/4	
1/2	2,690.46	1/2	2,348.97	1/2	2,007.44	1/2	1,665.92	1/2	1,324.40	1/2	988.71	1/2	655.48	1/2	313.80	1/2	5.71	1/2	
3/4	2,683.35	3/4	2,341.85	3/4	2,000.33	3/4	1,658.81	3/4	1,317.28	3/4	981.91	3/4	648.36	3/4	306.67	3/4	3.93	3/4	
2	2,676.24	2	2,334.74	2	1,993.21	2	1,651.69	2	1,310.17	2	975.10	2	641.25	2	299.54	2	2.15	2	
1/4	2,669.12	1/4	2,327.62	1/4	1,986.10	1/4	1,644.57	1/4	1,303.05	1/4	968.30	1/4	634.13	1/4	292.42	1/4		1/4	
1/2	2,662.01	1/2	2,320.51	1/2	1,978.98	1/2	1,637.46	1/2	1,295.94	1/2	961.49	1/2	627.01	1/2	285.29	1/2		1/2	
3/4	2,654.89	3/4	2,313.39	3/4	1,971.87	3/4	1,630.34	3/4	1,288.82	3/4	954.68	3/4	619.90	3/4	278.16	3/4		3/4	
3	2,647.78	3	2,306.28	3	1,964.75	3	1,623.23	3	1,281.70	3	947.88	3	612.78	3	271.03	3		3	
1/4	2,640.66	1/4	2,299.16	1/4	1,957.64	1/4	1,616.11	1/4	1,274.59	1/4	941.07	1/4	605.67	1/4	263.90	1/4		1/4	
1/2	2,633.55	1/2	2,292.05	1/2	1,950.52	1/2	1,609.00	1/2	1,267.47	1/2	934.27	1/2	598.55	1/2	256.78	1/2		1/2	
3/4	2,626.44	3/4	2,284.93	3/4	1,943.41	3/4	1,601.88	3/4	1,260.36	3/4	927.46	3/4	591.43	3/4	249.65	3/4		3/4	
4	2,619.32	4	2,277.82	4	1,936.29	4	1,594.77	4	1,253.24	4	920.66	4	584.32	4	242.52	4		4	
1/4	2,612.21	1/4	2,270.70	1/4	1,929.18	1/4	1,587.65	1/4	1,246.13	1/4	913.85	1/4	577.20	1/4	235.39	1/4		1/4	
1/2	2,605.09	1/2	2,263.59	1/2	1,922.06	1/2	1,580.54	1/2	1,239.01	1/2	907.04	1/2	570.08	1/2	228.26	1/2		1/2	
3/4	2,597.98	3/4	2,256.47	3/4	1,914.95	3/4	1,573.42	3/4	1,231.90	3/4	900.24	3/4	562.97	3/4	221.14	3/4		3/4	
5	2,590.86	5	2,249.36	5	1,907.83	5	1,566.31	5	1,224.78	5	893.43	5	555.85	5	214.01	5		5	
1/4	2,583.75	1/4	2,242.24	1/4	1,900.72	1/4	1,559.19	1/4	1,217.67	1/4	886.63	1/4	548.73	1/4	206.88	1/4		1/4	
1/2	2,576.64	1/2	2,235.13	1/2	1,893.60	1/2	1,552.08	1/2	1,210.55	1/2	879.82	1/2	541.62	1/2	199.75	1/2		1/2	
3/4	2,569.52	3/4	2,228.01	3/4	1,886.49	3/4	1,544.96	3/4	1,203.44	3/4	873.02	3/4	534.50	3/4	192.62	3/4		3/4	
6	2,562.41	6	2,220.90	6	1,879.37	6	1,537.85	6	1,196.32	6	866.21	6	527.39	6	185.50	6		6	
1/4	2,555.29	1/4	2,213.78	1/4	1,872.26	1/4	1,530.73	1/4	1,189.21	1/4	859.40	1/4	520.27	1/4	178.37	1/4		1/4	
1/2	2,548.18	1/2	2,206.67	1/2	1,865.14	1/2	1,523.62	1/2	1,182.09	1/2	852.59	1/2	513.15	1/2	171.24	1/2		1/2	
3/4	2,541.07	3/4	2,199.55	3/4	1,858.03	3/4	1,516.50	3/4	1,174.98	3/4	845.78	3/4	506.04	3/4	164.11	3/4		3/4	
7	2,533.95	7	2,192.44	7	1,850.91	7	1,509.39	7	1,167.86	7	838.97	7	498.92	7	156.98	7		7	
1/4	2,526.84	1/4	2,185.32	1/4	1,843.80	1/4	1,502.27	1/4	1,160.75	1/4	832.12	1/4	491.80	1/4	149.86	1/4		1/4	
1/2	2,519.72	1/2	2,178.21	1/2	1,836.68	1/2	1,495.16	1/2	1,153.63	1/2	825.27	1/2	484.69	1/2	142.73	1/2		1/2	
3/4	2,512.61	3/4	2,171.09	3/4	1,829.57	3/4	1,488.04	3/4	1,146.52	3/4	818.42	3/4	477.57	3/4	135.60	3/4		3/4	
8	2,505.49	8	2,163.98	8	1,822.45	8	1,480.93	8	1,139.40	8	811.58	8	470.45	8	128.48	8		8	
1/4	2,498.38	1/4	2,156.86	1/4	1,815.34	1/4	1,473.81	1/4	1,132.40	1/4	804.58	1/4	463.34	1/4	121.35	1/4		1/4	
1/2	2,491.27	1/2	2,149.75	1/2	1,808.22	1/2	1,466.70	1/2	1,125.40	1/2	797.58	1/2	456.22	1/2	114.23	1/2		1/2	
3/4	2,484.15	3/4	2,142.63	3/4	1,801.11	3/4	1,459.58	3/4	1,118.40	3/4	790.58	3/4	449.10	3/4	107.11	3/4		3/4	
9	2,477.04	9	2,135.52	9	1,793.99	9	1,452.47	9	1,111.40	9	783.58	9	441.99	9	99.99	9		9	
1/4	2,469.93	1/4	2,128.40	1/4	1,786.88	1/4	1,445.35	1/4	1,104.56	1/4	776.46	1/4	434.87	1/4	92.88	1/4		1/4	
1/2	2,462.81	1/2	2,121.29	1/2	1,779.76	1/2	1,438.24	1/2	1,097.71	1/2	769.34	1/2	427.76	1/2	85.78	1/2		1/2	
3/4	2,455.70	3/4	2,114.17	3/4	1,772.65	3/4	1,431.12	3/4	1,090.86	3/4	762.23	3/4	420.64	3/4	78.67	3/4		3/4	
10	2,448.58	10	2,107.06	10	1,765.53	10	1,424.01	10	1,084.01	10	755.11	10	413.52	10	71.57	10		10	
1/4	2,441.47	1/4	2,099.94	1/4	1,758.42	1/4	1,416.89	1/4	1,077.20	1/4	747.99	1/4	406.41	1/4	64.90	1/4		1/4	
1/2	2,434.35	1/2	2,092.83	1/2	1,751.30	1/2	1,409.78	1/2	1,070.39	1/2	740.88	1/2	399.29	1/2	58.24	1/2		1/2	
3/4	2,427.24	3/4	2,085.71	3/4	1,744.19	3/4	1,402.66	3/4	1,063.58	3/4	733.76	3/4	392.17	3/4	51.58	3/4		3/4	
11	2,420.12	11	2,078.60	11	1,737.07	11	1,395.55	11	1,056.77	11	726.64	11	385.06	11	44.91	11		11	
1/4	2,413.01	1/4	2,071.48	1/4	1,729.96	1/4	1,388.43	1/4	1,049.97	1/4	719.53	1/4	377.93	1/4	39.57	1/4		1/4	
1/2	2,405.89	1/2	2,064.37	1/2	1,722.84	1/2	1,381.32	1/2	1,043.16	1/2	712.41	1/2	370.81	1/2	34.22	1/2		1/2	
3/4	2,398.78	3/4	2,057.25	3/4	1,715.73	3/4	1,374.20	3/4	1,036.35	3/4	705.30	3/4	363.69	3/4	28.88	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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P.O. Box 2092
Pearland, Texas 77588
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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3302"

3 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,758.88	0	2,416.95	0	2,074.67	0	1,732.40	0	1,390.13	0	1,047.95	0	706.08	0	363.82	0	28.89	0	
1/4	2,751.77	1/4	2,409.82	1/4	2,067.54	1/4	1,725.27	1/4	1,383.00	1/4	1,040.83	1/4	698.95	1/4	356.69	1/4	23.54	1/4	
1/2	2,744.66	1/2	2,402.69	1/2	2,060.41	1/2	1,718.14	1/2	1,375.87	1/2	1,033.71	1/2	691.82	1/2	349.56	1/2	19.98	1/2	
3/4	2,737.55	3/4	2,395.56	3/4	2,053.28	3/4	1,711.01	3/4	1,368.73	3/4	1,026.60	3/4	684.69	3/4	342.43	3/4	16.41	3/4	
1	2,730.43	1	2,388.42	1	2,046.15	1	1,703.88	1	1,361.60	1	1,019.48	1	677.56	1	335.30	1	12.85	1	
1/4	2,723.32	1/4	2,381.29	1/4	2,039.02	1/4	1,696.75	1/4	1,354.47	1/4	1,012.36	1/4	670.43	1/4	328.17	1/4	9.28	1/4	
1/2	2,716.21	1/2	2,374.16	1/2	2,031.89	1/2	1,689.62	1/2	1,347.34	1/2	1,005.25	1/2	663.30	1/2	321.04	1/2	7.50	1/2	
3/4	2,709.10	3/4	2,367.03	3/4	2,024.76	3/4	1,682.49	3/4	1,340.21	3/4	998.13	3/4	656.17	3/4	313.91	3/4	5.72	3/4	
2	2,701.98	2	2,359.90	2	2,017.63	2	1,675.35	2	1,333.08	2	991.01	2	649.04	2	306.78	2	3.93	2	
1/4	2,694.87	1/4	2,352.77	1/4	2,010.50	1/4	1,668.22	1/4	1,325.95	1/4	983.90	1/4	641.91	1/4	299.65	1/4	2.15	1/4	
1/2	2,687.76	1/2	2,345.64	1/2	2,003.37	1/2	1,661.09	1/2	1,318.82	1/2	976.78	1/2	634.78	1/2	292.52	1/2		1/2	
3/4	2,680.65	3/4	2,338.51	3/4	1,996.24	3/4	1,653.96	3/4	1,311.69	3/4	969.66	3/4	627.65	3/4	285.39	3/4		3/4	
3	2,673.53	3	2,331.38	3	1,989.11	3	1,646.83	3	1,304.56	3	962.55	3	620.52	3	278.26	3		3	
1/4	2,666.42	1/4	2,324.25	1/4	1,981.97	1/4	1,639.70	1/4	1,297.43	1/4	955.43	1/4	613.38	1/4	271.13	1/4		1/4	
1/2	2,659.31	1/2	2,317.12	1/2	1,974.84	1/2	1,632.57	1/2	1,290.30	1/2	948.31	1/2	606.25	1/2	264.00	1/2		1/2	
3/4	2,652.20	3/4	2,309.99	3/4	1,967.71	3/4	1,625.44	3/4	1,283.17	3/4	941.20	3/4	599.12	3/4	256.86	3/4		3/4	
4	2,645.08	4	2,302.86	4	1,960.58	4	1,618.31	4	1,276.04	4	934.08	4	591.99	4	249.73	4		4	
1/4	2,637.97	1/4	2,295.73	1/4	1,953.45	1/4	1,611.18	1/4	1,268.90	1/4	926.96	1/4	584.86	1/4	242.60	1/4		1/4	
1/2	2,630.85	1/2	2,288.59	1/2	1,946.32	1/2	1,604.05	1/2	1,261.77	1/2	919.85	1/2	577.73	1/2	235.47	1/2		1/2	
3/4	2,623.73	3/4	2,281.46	3/4	1,939.19	3/4	1,596.92	3/4	1,254.64	3/4	912.73	3/4	570.60	3/4	228.34	3/4		3/4	
5	2,616.61	5	2,274.33	5	1,932.06	5	1,589.79	5	1,247.51	5	905.62	5	563.47	5	221.21	5		5	
1/4	2,609.48	1/4	2,267.20	1/4	1,924.93	1/4	1,582.66	1/4	1,240.38	1/4	898.50	1/4	556.34	1/4	214.08	1/4		1/4	
1/2	2,602.35	1/2	2,260.07	1/2	1,917.80	1/2	1,575.52	1/2	1,233.25	1/2	891.38	1/2	549.21	1/2	206.95	1/2		1/2	
3/4	2,595.22	3/4	2,252.94	3/4	1,910.67	3/4	1,568.39	3/4	1,226.12	3/4	884.27	3/4	542.08	3/4	199.82	3/4		3/4	
6	2,588.09	6	2,245.81	6	1,903.54	6	1,561.26	6	1,218.99	6	877.15	6	534.95	6	192.69	6		6	
1/4	2,580.96	1/4	2,238.68	1/4	1,896.41	1/4	1,554.13	1/4	1,211.86	1/4	870.03	1/4	527.82	1/4	185.56	1/4		1/4	
1/2	2,573.83	1/2	2,231.55	1/2	1,889.28	1/2	1,547.00	1/2	1,204.73	1/2	862.91	1/2	520.69	1/2	178.43	1/2		1/2	
3/4	2,566.69	3/4	2,224.42	3/4	1,882.15	3/4	1,539.87	3/4	1,197.60	3/4	855.79	3/4	513.56	3/4	171.30	3/4		3/4	
7	2,559.56	7	2,217.29	7	1,875.01	7	1,532.74	7	1,190.47	7	848.67	7	506.43	7	164.17	7		7	
1/4	2,552.43	1/4	2,210.16	1/4	1,867.88	1/4	1,525.61	1/4	1,183.34	1/4	841.55	1/4	499.30	1/4	157.04	1/4		1/4	
1/2	2,545.30	1/2	2,203.03	1/2	1,860.75	1/2	1,518.48	1/2	1,176.21	1/2	834.42	1/2	492.17	1/2	149.91	1/2		1/2	
3/4	2,538.17	3/4	2,195.90	3/4	1,853.62	3/4	1,511.35	3/4	1,169.08	3/4	827.29	3/4	485.04	3/4	142.78	3/4		3/4	
8	2,531.04	8	2,188.77	8	1,846.49	8	1,504.22	8	1,161.94	8	820.16	8	477.91	8	135.65	8		8	
1/4	2,523.91	1/4	2,181.63	1/4	1,839.36	1/4	1,497.09	1/4	1,154.81	1/4	813.04	1/4	470.78	1/4	128.52	1/4		1/4	
1/2	2,516.78	1/2	2,174.50	1/2	1,832.23	1/2	1,489.96	1/2	1,147.68	1/2	805.91	1/2	463.65	1/2	121.40	1/2		1/2	
3/4	2,509.65	3/4	2,167.37	3/4	1,825.10	3/4	1,482.83	3/4	1,140.55	3/4	798.78	3/4	456.52	3/4	114.27	3/4		3/4	
9	2,502.52	9	2,160.24	9	1,817.97	9	1,475.70	9	1,133.42	9	791.64	9	449.39	9	107.15	9		9	
1/4	2,495.39	1/4	2,153.11	1/4	1,810.84	1/4	1,468.56	1/4	1,126.29	1/4	784.51	1/4	442.26	1/4	100.02	1/4		1/4	
1/2	2,488.25	1/2	2,145.98	1/2	1,803.71	1/2	1,461.43	1/2	1,119.16	1/2	777.38	1/2	435.12	1/2	92.91	1/2		1/2	
3/4	2,481.12	3/4	2,138.85	3/4	1,796.58	3/4	1,454.30	3/4	1,112.04	3/4	770.25	3/4	427.99	3/4	85.81	3/4		3/4	
10	2,473.99	10	2,131.72	10	1,789.45	10	1,447.17	10	1,104.91	10	763.12	10	420.86	10	78.70	10		10	
1/4	2,466.86	1/4	2,124.59	1/4	1,782.32	1/4	1,440.04	1/4	1,097.78	1/4	755.99	1/4	413.73	1/4	71.59	1/4		1/4	
1/2	2,459.73	1/2	2,117.46	1/2	1,775.18	1/2	1,432.91	1/2	1,090.66	1/2	748.86	1/2	406.60	1/2	64.93	1/2		1/2	
3/4	2,452.60	3/4	2,110.33	3/4	1,768.05	3/4	1,425.78	3/4	1,083.54	3/4	741.73	3/4	399.47	3/4	58.26	3/4		3/4	
11	2,445.47	11	2,103.20	11	1,760.92	11	1,418.65	11	1,076.42	11	734.60	11	392.34	11	51.60	11		11	
1/4	2,438.34	1/4	2,096.07	1/4	1,753.79	1/4	1,411.52	1/4	1,069.30	1/4	727.47	1/4	385.21	1/4	44.93	1/4		1/4	
1/2	2,431.21	1/2	2,088.94	1/2	1,746.66	1/2	1,404.39	1/2	1,062.18	1/2	720.34	1/2	378.08	1/2	39.58	1/2		1/2	
3/4	2,424.08	3/4	2,081.80	3/4	1,739.53	3/4	1,397.26	3/4	1,055.06	3/4	713.21	3/4	370.95	3/4	34.24	3/4		3/4	

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