



BARGE "FMT 3304"

FUEL TANK INNAGE TABLE

8" HATCH

GAUGE HEIGHT 4'- 05 1/2"

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: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

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	1,101	0	2,203	0	3,304	0	4,406	0	5,507	0		0		0		0	
1/4	23	1/4	1,124	1/4	2,226	1/4	3,327	1/4	4,429	1/4	5,530	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46	1/2	1,147	1/2	2,249	1/2	3,350	1/2	4,452	1/2	5,553	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69	3/4	1,170	3/4	2,272	3/4	3,373	3/4	4,475	3/4	5,576	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	92	1	1,193	1	2,295	1	3,396	1	4,498	1	5,599	1	1	1	1	1	1	1	1
1/4	115	1/4	1,216	1/4	2,318	1/4	3,419	1/4	4,521	1/4	5,622	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	138	1/2	1,239	1/2	2,341	1/2	3,442	1/2	4,544	1/2	5,644	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161	3/4	1,262	3/4	2,364	3/4	3,465	3/4	4,567	3/4	5,667	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	184	2	1,285	2	2,387	2	3,488	2	4,589	2	5,689	2	2	2	2	2	2	2	2
1/4	207	1/4	1,308	1/4	2,409	1/4	3,511	1/4	4,612	1/4	5,712	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	229	1/2	1,331	1/2	2,432	1/2	3,534	1/2	4,635	1/2	5,734	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	252	3/4	1,354	3/4	2,455	3/4	3,557	3/4	4,658	3/4	5,756	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	275	3	1,377	3	2,478	3	3,580	3	4,681	3	5,777	3	3	3	3	3	3	3	3
1/4	298	1/4	1,400	1/4	2,501	1/4	3,603	1/4	4,704	1/4	5,799	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	321	1/2	1,423	1/2	2,524	1/2	3,626	1/2	4,727	1/2	5,821	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	344	3/4	1,446	3/4	2,547	3/4	3,649	3/4	4,750	3/4	5,843	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	367	4	1,469	4	2,570	4	3,672	4	4,773	4	5,865	4	4	4	4	4	4	4	4
1/4	390	1/4	1,492	1/4	2,593	1/4	3,695	1/4	4,796	1/4	5,887	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	413	1/2	1,515	1/2	2,616	1/2	3,717	1/2	4,819	1/2	5,909	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	436	3/4	1,538	3/4	2,639	3/4	3,740	3/4	4,842	3/4	5,931	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	459	5	1,560	5	2,662	5	3,763	5	4,865	5	5,953	5	5	5	5	5	5	5	5
1/4	482	1/4	1,583	1/4	2,685	1/4	3,786	1/4	4,888	1/4	5,975	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	505	1/2	1,606	1/2	2,708	1/2	3,809	1/2	4,911	1/2	6,000	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	528	3/4	1,629	3/4	2,731	3/4	3,832	3/4	4,934	3/4	6,022	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	551	6	1,652	6	2,754	6	3,855	6	4,957	6	6,044	6	6	6	6	6	6	6	6
1/4	574	1/4	1,675	1/4	2,777	1/4	3,878	1/4	4,980	1/4	6,066	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	597	1/2	1,698	1/2	2,800	1/2	3,901	1/2	5,003	1/2	6,088	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	620	3/4	1,721	3/4	2,823	3/4	3,924	3/4	5,026	3/4	6,110	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	643	7	1,744	7	2,845	7	3,947	7	5,048	7	6,132	7	7	7	7	7	7	7	7
1/4	665	1/4	1,767	1/4	2,868	1/4	3,970	1/4	5,071	1/4	6,154	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	688	1/2	1,790	1/2	2,891	1/2	3,993	1/2	5,094	1/2	6,176	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	711	3/4	1,813	3/4	2,914	3/4	4,016	3/4	5,117	3/4	6,198	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	734	8	1,836	8	2,937	8	4,039	8	5,140	8	6,220	8	8	8	8	8	8	8	8
1/4	757	1/4	1,859	1/4	2,960	1/4	4,062	1/4	5,163	1/4	6,242	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	780	1/2	1,882	1/2	2,983	1/2	4,085	1/2	5,186	1/2	6,264	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	803	3/4	1,905	3/4	3,006	3/4	4,108	3/4	5,209	3/4	6,286	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	826	9	1,928	9	3,029	9	4,131	9	5,232	9	6,308	9	9	9	9	9	9	9	9
1/4	849	1/4	1,951	1/4	3,052	1/4	4,153	1/4	5,255	1/4	6,330	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	872	1/2	1,973	1/2	3,075	1/2	4,176	1/2	5,278	1/2	6,352	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	895	3/4	1,996	3/4	3,098	3/4	4,199	3/4	5,301	3/4	6,374	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	918	10	2,019	10	3,121	10	4,222	10	5,324	10	6,396	10	10	10	10	10	10	10	10
1/4	941	1/4	2,042	1/4	3,144	1/4	4,245	1/4	5,347	1/4	6,418	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	964	1/2	2,065	1/2	3,167	1/2	4,268	1/2	5,370	1/2	6,440	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	987	3/4	2,088	3/4	3,190	3/4	4,291	3/4	5,393	3/4	6,462	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,010	11	2,111	11	3,213	11	4,314	11	5,416	11	6,484	11	11	11	11	11	11	11	11
1/4	1,033	1/4	2,134	1/4	3,236	1/4	4,337	1/4	5,439	1/4	6,506	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,056	1/2	2,157	1/2	3,259	1/2	4,360	1/2	5,461	1/2	6,528	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,079	3/4	2,180	3/4	3,281	3/4	4,383	3/4	5,484	3/4	6,550	3/4	3/4	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 TAKEN TO 2" DIAMETER "HERMETIC" VALVE.

STRAPPED: 08/08/2019 JS
 CALCULATED: 08/09/2019 CL
 PRINTED: 08/10/2019 SW

CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2019

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BARGE "FMT 3304"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-07"

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	1,100	0	2,201	0	3,301	0	4,402	0	5,502	0		0		0		0	
1/4	23	1/4	1,123	1/4	2,224	1/4	3,324	1/4	4,425	1/4	5,525	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46	1/2	1,146	1/2	2,247	1/2	3,347	1/2	4,448	1/2	5,548	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69	3/4	1,169	3/4	2,270	3/4	3,370	3/4	4,471	3/4	5,549	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	92	1	1,192	1	2,293	1	3,393	1	4,494	1		1	1	1	1	1	1	1	1
1/4	115	1/4	1,215	1/4	2,316	1/4	3,416	1/4	4,516	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	138	1/2	1,238	1/2	2,338	1/2	3,439	1/2	4,539	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160	3/4	1,261	3/4	2,361	3/4	3,462	3/4	4,562	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	183	2	1,284	2	2,384	2	3,485	2	4,585	2	2	2	2	2	2	2	2	2	2
1/4	206	1/4	1,307	1/4	2,407	1/4	3,508	1/4	4,608	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	229	1/2	1,330	1/2	2,430	1/2	3,531	1/2	4,631	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	252	3/4	1,353	3/4	2,453	3/4	3,554	3/4	4,654	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	275	3	1,376	3	2,476	3	3,576	3	4,677	3	3	3	3	3	3	3	3	3	3
1/4	298	1/4	1,398	1/4	2,499	1/4	3,599	1/4	4,700	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	321	1/2	1,421	1/2	2,522	1/2	3,622	1/2	4,723	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	344	3/4	1,444	3/4	2,545	3/4	3,645	3/4	4,746	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	367	4	1,467	4	2,568	4	3,668	4	4,769	4	4	4	4	4	4	4	4	4	4
1/4	390	1/4	1,490	1/4	2,591	1/4	3,691	1/4	4,792	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	413	1/2	1,513	1/2	2,614	1/2	3,714	1/2	4,814	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	436	3/4	1,536	3/4	2,637	3/4	3,737	3/4	4,837	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	459	5	1,559	5	2,659	5	3,760	5	4,860	5	5	5	5	5	5	5	5	5	5
1/4	481	1/4	1,582	1/4	2,682	1/4	3,783	1/4	4,883	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	504	1/2	1,605	1/2	2,705	1/2	3,806	1/2	4,906	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	527	3/4	1,628	3/4	2,728	3/4	3,829	3/4	4,929	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	550	6	1,651	6	2,751	6	3,852	6	4,952	6	6	6	6	6	6	6	6	6	6
1/4	573	1/4	1,674	1/4	2,774	1/4	3,875	1/4	4,975	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	596	1/2	1,697	1/2	2,797	1/2	3,897	1/2	4,998	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	619	3/4	1,719	3/4	2,820	3/4	3,920	3/4	5,021	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	642	7	1,742	7	2,843	7	3,943	7	5,044	7	7	7	7	7	7	7	7	7	7
1/4	665	1/4	1,765	1/4	2,866	1/4	3,966	1/4	5,067	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	688	1/2	1,788	1/2	2,889	1/2	3,989	1/2	5,090	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	711	3/4	1,811	3/4	2,912	3/4	4,012	3/4	5,113	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	734	8	1,834	8	2,935	8	4,035	8	5,135	8	8	8	8	8	8	8	8	8	8
1/4	757	1/4	1,857	1/4	2,957	1/4	4,058	1/4	5,158	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	779	1/2	1,880	1/2	2,980	1/2	4,081	1/2	5,181	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	802	3/4	1,903	3/4	3,003	3/4	4,104	3/4	5,204	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	825	9	1,926	9	3,026	9	4,127	9	5,227	9	9	9	9	9	9	9	9	9	9
1/4	848	1/4	1,949	1/4	3,049	1/4	4,150	1/4	5,250	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	871	1/2	1,972	1/2	3,072	1/2	4,173	1/2	5,273	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	894	3/4	1,995	3/4	3,095	3/4	4,195	3/4	5,296	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	917	10	2,017	10	3,118	10	4,218	10	5,319	10	10	10	10	10	10	10	10	10	10
1/4	940	1/4	2,040	1/4	3,141	1/4	4,241	1/4	5,342	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	963	1/2	2,063	1/2	3,164	1/2	4,264	1/2	5,365	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	986	3/4	2,086	3/4	3,187	3/4	4,287	3/4	5,388	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,009	11	2,109	11	3,210	11	4,310	11	5,411	11	11	11	11	11	11	11	11	11	11
1/4	1,032	1/4	2,132	1/4	3,233	1/4	4,333	1/4	5,433	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,055	1/2	2,155	1/2	3,256	1/2	4,356	1/2	5,456	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,078	3/4	2,178	3/4	3,278	3/4	4,379	3/4	5,479	3/4		3/4	3/4	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 TAKEN TO 2" DIAMETER "HERMETIC" VALVE.

STRAPPED: 08/08/2019 JS
 CALCULATED: 08/09/2019 CL
 PRINTED: 08/10/2019 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 3304"

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	- 00-1/8	00-1/8	- 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 8, 2019

**PRECISION MEASUREMENT
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BARGE "FMT 3304"

1 PORT 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	291.03	0	625.77	0	966.93	0	1,309.07	0	1,652.04	0	1,995.01	0	2,337.98	0	2,680.94	0	3,023.87
1/4	17.58	1/4	297.63	1/4	632.91	1/4	974.01	1/4	1,316.21	1/4	1,659.18	1/4	2,002.15	1/4	2,345.12	1/4	2,688.09	1/4	3,031.01
1/2	20.50	1/2	304.24	1/2	640.06	1/2	981.10	1/2	1,323.36	1/2	1,666.33	1/2	2,009.30	1/2	2,352.27	1/2	2,695.23	1/2	3,038.16
3/4	23.42	3/4	310.84	3/4	647.20	3/4	988.18	3/4	1,330.50	3/4	1,673.47	3/4	2,016.44	3/4	2,359.41	3/4	2,702.38	3/4	3,045.30
1	26.34	1	317.44	1	654.35	1	995.27	1	1,337.65	1	1,680.62	1	2,023.59	1	2,366.56	1	2,709.52	1	3,052.44
1/4	31.13	1/4	324.13	1/4	661.49	1/4	1,002.35	1/4	1,344.79	1/4	1,687.76	1/4	2,030.73	1/4	2,373.70	1/4	2,716.66	1/4	3,059.58
1/2	35.92	1/2	330.81	1/2	668.64	1/2	1,009.44	1/2	1,351.94	1/2	1,694.91	1/2	2,037.88	1/2	2,380.85	1/2	2,723.81	1/2	3,066.73
3/4	40.71	3/4	337.50	3/4	675.78	3/4	1,016.52	3/4	1,359.09	3/4	1,702.05	3/4	2,045.02	3/4	2,387.99	3/4	2,730.95	3/4	3,073.87
2	45.50	2	344.18	2	682.93	2	1,023.61	2	1,366.23	2	1,709.20	2	2,052.17	2	2,395.14	2	2,738.10	2	3,081.01
1/4	51.23	1/4	350.95	1/4	690.07	1/4	1,030.70	1/4	1,373.38	1/4	1,716.35	1/4	2,059.31	1/4	2,402.28	1/4	2,745.24	1/4	3,088.16
1/2	56.96	1/2	357.72	1/2	697.22	1/2	1,037.79	1/2	1,380.52	1/2	1,723.49	1/2	2,066.46	1/2	2,409.43	1/2	2,752.39	1/2	3,095.30
3/4	62.69	3/4	364.49	3/4	704.36	3/4	1,044.89	3/4	1,387.67	3/4	1,730.64	3/4	2,073.61	3/4	2,416.57	3/4	2,759.53	3/4	3,102.44
3	68.42	3	371.26	3	711.50	3	1,051.98	3	1,394.81	3	1,737.78	3	2,080.75	3	2,423.72	3	2,766.68	3	3,109.58
1/4	74.26	1/4	378.11	1/4	718.65	1/4	1,059.09	1/4	1,401.96	1/4	1,744.93	1/4	2,087.90	1/4	2,430.87	1/4	2,773.82	1/4	3,116.73
1/2	80.10	1/2	384.97	1/2	725.79	1/2	1,066.20	1/2	1,409.10	1/2	1,752.07	1/2	2,095.04	1/2	2,438.01	1/2	2,780.96	1/2	3,123.87
3/4	85.94	3/4	391.82	3/4	732.94	3/4	1,073.31	3/4	1,416.25	3/4	1,759.22	3/4	2,102.19	3/4	2,445.16	3/4	2,788.11	3/4	3,131.01
4	91.78	4	398.67	4	740.08	4	1,080.42	4	1,423.39	4	1,766.36	4	2,109.33	4	2,452.30	4	2,795.25	4	3,138.16
1/4	97.72	1/4	405.61	1/4	747.20	1/4	1,087.57	1/4	1,430.54	1/4	1,773.51	1/4	2,116.48	1/4	2,459.45	1/4	2,802.40	1/4	3,145.30
1/2	103.65	1/2	412.54	1/2	754.31	1/2	1,094.71	1/2	1,437.68	1/2	1,780.65	1/2	2,123.62	1/2	2,466.59	1/2	2,809.54	1/2	3,152.44
3/4	109.58	3/4	419.48	3/4	761.42	3/4	1,101.86	3/4	1,444.83	3/4	1,787.80	3/4	2,130.77	3/4	2,473.74	3/4	2,816.69	3/4	3,159.58
5	115.52	5	426.42	5	768.53	5	1,109.00	5	1,451.97	5	1,794.94	5	2,137.91	5	2,480.88	5	2,823.83	5	3,166.73
1/4	121.53	1/4	433.43	1/4	775.62	1/4	1,116.15	1/4	1,459.12	1/4	1,802.09	1/4	2,145.06	1/4	2,488.03	1/4	2,830.98	1/4	3,173.87
1/2	127.55	1/2	440.45	1/2	782.71	1/2	1,123.29	1/2	1,466.26	1/2	1,809.23	1/2	2,152.20	1/2	2,495.17	1/2	2,838.12	1/2	3,181.01
3/4	133.57	3/4	447.46	3/4	789.81	3/4	1,130.44	3/4	1,473.41	3/4	1,816.38	3/4	2,159.35	3/4	2,502.32	3/4	2,845.27	3/4	3,188.16
6	139.59	6	454.48	6	796.90	6	1,137.58	6	1,480.55	6	1,823.52	6	2,166.49	6	2,509.46	6	2,852.41	6	3,195.30
1/4	145.69	1/4	461.57	1/4	803.98	1/4	1,144.73	1/4	1,487.70	1/4	1,830.67	1/4	2,173.64	1/4	2,516.61	1/4	2,859.55	1/4	3,202.44
1/2	151.79	1/2	468.67	1/2	811.07	1/2	1,151.87	1/2	1,494.84	1/2	1,837.81	1/2	2,180.78	1/2	2,523.75	1/2	2,866.70	1/2	3,209.58
3/4	157.89	3/4	475.77	3/4	818.15	3/4	1,159.02	3/4	1,501.99	3/4	1,844.96	3/4	2,187.93	3/4	2,530.90	3/4	2,873.84	3/4	3,216.73
7	163.99	7	482.87	7	825.24	7	1,166.16	7	1,509.13	7	1,852.10	7	2,195.07	7	2,538.04	7	2,880.99	7	3,223.87
1/4	170.18	1/4	490.01	1/4	832.32	1/4	1,173.31	1/4	1,516.28	1/4	1,859.25	1/4	2,202.22	1/4	2,545.19	1/4	2,888.13	1/4	3,231.01
1/2	176.36	1/2	497.16	1/2	839.41	1/2	1,180.46	1/2	1,523.42	1/2	1,866.39	1/2	2,209.36	1/2	2,552.33	1/2	2,895.28	1/2	3,238.15
3/4	182.55	3/4	504.30	3/4	846.49	3/4	1,187.60	3/4	1,530.57	3/4	1,873.54	3/4	2,216.51	3/4	2,559.48	3/4	2,902.42	3/4	3,245.30
8	188.73	8	511.45	8	853.57	8	1,194.75	8	1,537.72	8	1,880.68	8	2,223.65	8	2,566.62	8	2,909.57	8	3,252.44
1/4	195.00	1/4	518.59	1/4	860.66	1/4	1,201.89	1/4	1,544.86	1/4	1,887.83	1/4	2,230.80	1/4	2,573.77	1/4	2,916.71	1/4	3,259.58
1/2	201.27	1/2	525.74	1/2	867.74	1/2	1,209.04	1/2	1,552.01	1/2	1,894.98	1/2	2,237.94	1/2	2,580.91	1/2	2,923.85	1/2	3,266.73
3/4	207.54	3/4	532.88	3/4	874.83	3/4	1,216.18	3/4	1,559.15	3/4	1,902.12	3/4	2,245.09	3/4	2,588.06	3/4	2,931.00	3/4	3,273.87
9	213.81	9	540.03	9	881.91	9	1,223.33	9	1,566.30	9	1,909.27	9	2,252.24	9	2,595.20	9	2,938.14	9	3,281.01
1/4	220.16	1/4	547.17	1/4	889.00	1/4	1,230.47	1/4	1,573.44	1/4	1,916.41	1/4	2,259.38	1/4	2,602.35	1/4	2,945.29	1/4	3,288.15
1/2	226.51	1/2	554.32	1/2	896.08	1/2	1,237.62	1/2	1,580.59	1/2	1,923.56	1/2	2,266.53	1/2	2,609.50	1/2	2,952.43	1/2	3,295.30
3/4	232.86	3/4	561.46	3/4	903.17	3/4	1,244.76	3/4	1,587.73	3/4	1,930.70	3/4	2,273.67	3/4	2,616.64	3/4	2,959.58	3/4	3,302.44
10	239.21	10	568.61	10	910.25	10	1,251.91	10	1,594.88	10	1,937.85	10	2,280.82	10	2,623.79	10	2,966.72	10	3,309.58
1/4	245.65	1/4	575.75	1/4	917.34	1/4	1,259.05	1/4	1,602.02	1/4	1,944.99	1/4	2,287.96	1/4	2,630.93	1/4	2,973.87	1/4	3,316.73
1/2	252.08	1/2	582.90	1/2	924.42	1/2	1,266.20	1/2	1,609.17	1/2	1,952.14	1/2	2,295.11	1/2	2,638.07	1/2	2,981.01	1/2	3,323.87
3/4	258.52	3/4	590.04	3/4	931.51	3/4	1,273.34	3/4	1,616.31	3/4	1,959.28	3/4	2,302.25	3/4	2,645.22	3/4	2,988.16	3/4	3,331.01
11	264.95	11	597.19	11	938.59	11	1,280.49	11	1,623.46	11	1,966.43	11	2,309.40	11	2,652.36	11	2,995.30	11	3,338.15
1/4	271.47	1/4	604.33	1/4	945.67	1/4	1,287.63	1/4	1,630.60	1/4	1,973.57	1/4	2,316.54	1/4	2,659.51	1/4	3,002.44	1/4	3,345.30
1/2	277.99	1/2	611.48	1/2	952.76	1/2	1,294.78	1/2	1,637.75	1/2	1,980.72	1/2	2,323.69	1/2	2,666.65	1/2	3,009.59	1/2	3,352.44
3/4	284.51	3/4	618.62	3/4	959.84	3/4	1,301.92	3/4	1,644.89	3/4	1,987.86	3/4	2,330.83	3/4	2,673.80	3/4	3,016.73	3/4	3,359.58

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
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Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "FMT 3304"

**1 PORT
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	3,366.73	0	3,709.60	0	4,052.54	0	4,394.83	0	4,736.21	0		0		0		0		0	
1/4	3,373.87	1/4	3,716.75	1/4	4,059.69	1/4	4,401.94	1/4	4,743.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,381.01	1/2	3,723.89	1/2	4,066.83	1/2	4,409.06	1/2	4,750.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,388.15	3/4	3,731.04	3/4	4,073.98	3/4	4,416.17	3/4	4,757.55	3/4		3/4		3/4		3/4		3/4	
1	3,395.30	1	3,738.18	1	4,081.12	1	4,423.28	1	4,764.66	1		1		1		1		1	
1/4	3,402.44	1/4	3,745.32	1/4	4,088.27	1/4	4,430.39	1/4	4,771.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,409.58	1/2	3,752.47	1/2	4,095.41	1/2	4,437.51	1/2	4,778.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,416.72	3/4	3,759.61	3/4	4,102.55	3/4	4,444.62	3/4	4,786.00	3/4		3/4		3/4		3/4		3/4	
2	3,423.87	2	3,766.76	2	4,109.70	2	4,451.73	2	4,793.11	2		2		2		2		2	
1/4	3,431.01	1/4	3,773.90	1/4	4,116.84	1/4	4,458.84	1/4	4,800.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,438.15	1/2	3,781.05	1/2	4,123.99	1/2	4,465.95	1/2	4,807.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,445.30	3/4	3,788.19	3/4	4,131.13	3/4	4,473.07	3/4	4,814.45	3/4		3/4		3/4		3/4		3/4	
3	3,452.44	3	3,795.34	3	4,138.28	3	4,480.18	3	4,821.56	3		3		3		3		3	
1/4	3,459.58	1/4	3,802.48	1/4	4,145.42	1/4	4,487.29	1/4	4,828.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,466.72	1/2	3,809.63	1/2	4,152.57	1/2	4,494.40	1/2	4,835.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,473.87	3/4	3,816.77	3/4	4,159.71	3/4	4,501.51	3/4	4,842.76	3/4		3/4		3/4		3/4		3/4	
4	3,481.01	4	3,823.91	4	4,166.86	4	4,508.63	4	4,849.83	4		4		4		4		4	
1/4	3,488.15	1/4	3,831.06	1/4	4,174.00	1/4	4,515.74	1/4	4,856.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,495.30	1/2	3,838.20	1/2	4,181.14	1/2	4,522.85	1/2	4,863.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,502.44	3/4	3,845.35	3/4	4,188.29	3/4	4,529.96	3/4	4,871.03	3/4		3/4		3/4		3/4		3/4	
5	3,509.58	5	3,852.49	5	4,195.43	5	4,537.07	5	4,878.10	5		5		5		5		5	
1/4	3,516.72	1/4	3,859.64	1/4	4,202.58	1/4	4,544.19	1/4	4,885.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,523.87	1/2	3,866.78	1/2	4,209.72	1/2	4,551.30	1/2	4,892.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,531.01	3/4	3,873.93	3/4	4,216.87	3/4	4,558.41	3/4	4,899.30	3/4		3/4		3/4		3/4		3/4	
6	3,538.15	6	3,881.07	6	4,224.01	6	4,565.52	6	4,906.37	6		6		6		6		6	
1/4	3,545.30	1/4	3,888.22	1/4	4,231.16	1/4	4,572.64	1/4	4,913.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,552.44	1/2	3,895.36	1/2	4,238.30	1/2	4,579.75	1/2	4,920.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,559.58	3/4	3,902.51	3/4	4,245.45	3/4	4,586.86	3/4	4,927.52	3/4		3/4		3/4		3/4		3/4	
7	3,566.72	7	3,909.65	7	4,252.59	7	4,593.97	7	4,934.58	7		7		7		7		7	
1/4	3,573.87	1/4	3,916.79	1/4	4,259.70	1/4	4,601.08	1/4	4,941.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,581.01	1/2	3,923.94	1/2	4,266.82	1/2	4,608.20	1/2	4,948.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,588.15	3/4	3,931.08	3/4	4,273.93	3/4	4,615.31	3/4	4,955.57	3/4		3/4		3/4		3/4		3/4	
8	3,595.29	8	3,938.23	8	4,281.04	8	4,622.42	8	4,962.57	8		8		8		8		8	
1/4	3,602.44	1/4	3,945.37	1/4	4,288.15	1/4	4,629.53	1/4	4,968.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,609.58	1/2	3,952.52	1/2	4,295.26	1/2	4,636.64	1/2	4,974.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,616.72	3/4	3,959.66	3/4	4,302.38	3/4	4,643.76	3/4	4,981.09	3/4		3/4		3/4		3/4		3/4	
9	3,623.87	9	3,966.81	9	4,309.49	9	4,650.87	9	4,987.27	9		9		9		9		9	
1/4	3,631.01	1/4	3,973.95	1/4	4,316.60	1/4	4,657.98	1/4	4,992.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,638.16	1/2	3,981.10	1/2	4,323.71	1/2	4,665.09	1/2	4,997.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.30	3/4	3,988.24	3/4	4,330.82	3/4	4,672.20	3/4	5,002.22	3/4		3/4		3/4		3/4		3/4	
10	3,652.44	10	3,995.39	10	4,337.94	10	4,679.32	10	5,007.20	10		10		10		10		10	
1/4	3,659.59	1/4	4,002.53	1/4	4,345.05	1/4	4,686.43	1/4	5,010.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,666.73	1/2	4,009.67	1/2	4,352.16	1/2	4,693.54	1/2	5,014.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,673.88	3/4	4,016.82	3/4	4,359.27	3/4	4,700.65	3/4	5,018.58	3/4		3/4		3/4		3/4		3/4	
11	3,681.02	11	4,023.96	11	4,366.38	11	4,707.77	11	5,022.37	11		11		11		11		11	
1/4	3,688.17	1/4	4,031.11	1/4	4,373.50	1/4	4,714.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,695.31	1/2	4,038.25	1/2	4,380.61	1/2	4,721.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,702.46	3/4	4,045.40	3/4	4,387.72	3/4	4,729.10	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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





BARGE "FMT 3304"

1 STBD 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	14.67	0	291.26	0	626.35	0	969.41	0	1,312.63	0	1,655.92	0	1,999.21	0	2,342.50	0	2,685.79	0	3,029.05
1/4	17.59	1/4	297.87	1/4	633.50	1/4	976.56	1/4	1,319.78	1/4	1,663.07	1/4	2,006.36	1/4	2,349.66	1/4	2,692.94	1/4	3,036.20
1/2	20.51	1/2	304.48	1/2	640.65	1/2	983.70	1/2	1,326.93	1/2	1,670.23	1/2	2,013.52	1/2	2,356.81	1/2	2,700.09	1/2	3,043.34
3/4	23.44	3/4	311.09	3/4	647.80	3/4	990.84	3/4	1,334.09	3/4	1,677.38	3/4	2,020.67	3/4	2,363.96	3/4	2,707.24	3/4	3,050.49
1	26.36	1	317.70	1	654.95	1	997.99	1	1,341.24	1	1,684.53	1	2,027.82	1	2,371.11	1	2,714.40	1	3,057.64
1/4	31.15	1/4	324.39	1/4	662.10	1/4	1,005.13	1/4	1,348.39	1/4	1,691.68	1/4	2,034.97	1/4	2,378.26	1/4	2,721.55	1/4	3,064.79
1/2	35.95	1/2	331.08	1/2	669.26	1/2	1,012.27	1/2	1,355.54	1/2	1,698.83	1/2	2,042.12	1/2	2,385.42	1/2	2,728.70	1/2	3,071.94
3/4	40.74	3/4	337.77	3/4	676.41	3/4	1,019.41	3/4	1,362.69	3/4	1,705.98	3/4	2,049.28	3/4	2,392.57	3/4	2,735.85	3/4	3,079.09
2	45.53	2	344.46	2	683.56	2	1,026.56	2	1,369.85	2	1,713.14	2	2,056.43	2	2,399.72	2	2,743.00	2	3,086.24
1/4	51.27	1/4	351.24	1/4	690.71	1/4	1,033.71	1/4	1,377.00	1/4	1,720.29	1/4	2,063.58	1/4	2,406.87	1/4	2,750.15	1/4	3,093.39
1/2	57.00	1/2	358.01	1/2	697.86	1/2	1,040.86	1/2	1,384.15	1/2	1,727.44	1/2	2,070.73	1/2	2,414.02	1/2	2,757.30	1/2	3,100.54
3/4	62.74	3/4	364.79	3/4	705.01	3/4	1,048.01	3/4	1,391.30	3/4	1,734.59	3/4	2,077.88	3/4	2,421.17	3/4	2,764.45	3/4	3,107.69
3	68.47	3	371.56	3	712.16	3	1,055.16	3	1,398.45	3	1,741.74	3	2,085.04	3	2,428.33	3	2,771.61	3	3,114.84
1/4	74.32	1/4	378.42	1/4	719.32	1/4	1,062.31	1/4	1,405.61	1/4	1,748.90	1/4	2,092.19	1/4	2,435.48	1/4	2,778.76	1/4	3,121.99
1/2	80.16	1/2	385.28	1/2	726.47	1/2	1,069.47	1/2	1,412.76	1/2	1,756.05	1/2	2,099.34	1/2	2,442.63	1/2	2,785.91	1/2	3,129.14
3/4	86.01	3/4	392.14	3/4	733.62	3/4	1,076.62	3/4	1,419.91	3/4	1,763.20	3/4	2,106.49	3/4	2,449.78	3/4	2,793.06	3/4	3,136.29
4	91.85	4	399.00	4	740.77	4	1,083.77	4	1,427.06	4	1,770.35	4	2,113.64	4	2,456.93	4	2,800.21	4	3,143.44
1/4	97.79	1/4	405.94	1/4	747.92	1/4	1,090.92	1/4	1,434.21	1/4	1,777.50	1/4	2,120.80	1/4	2,464.09	1/4	2,807.36	1/4	3,150.59
1/2	103.73	1/2	412.88	1/2	755.07	1/2	1,098.07	1/2	1,441.36	1/2	1,784.66	1/2	2,127.95	1/2	2,471.24	1/2	2,814.51	1/2	3,157.74
3/4	109.67	3/4	419.83	3/4	762.23	3/4	1,105.23	3/4	1,448.52	3/4	1,791.81	3/4	2,135.10	3/4	2,478.39	3/4	2,821.67	3/4	3,164.89
5	115.60	5	426.77	5	769.38	5	1,112.38	5	1,455.67	5	1,798.96	5	2,142.25	5	2,485.54	5	2,828.82	5	3,172.04
1/4	121.63	1/4	433.80	1/4	776.53	1/4	1,119.53	1/4	1,462.82	1/4	1,806.11	1/4	2,149.40	1/4	2,492.69	1/4	2,835.97	1/4	3,179.19
1/2	127.65	1/2	440.82	1/2	783.68	1/2	1,126.68	1/2	1,469.97	1/2	1,813.26	1/2	2,156.55	1/2	2,499.85	1/2	2,843.12	1/2	3,186.33
3/4	133.67	3/4	447.85	3/4	790.83	3/4	1,133.83	3/4	1,477.12	3/4	1,820.42	3/4	2,163.71	3/4	2,507.00	3/4	2,850.27	3/4	3,193.48
6	139.69	6	454.87	6	797.98	6	1,140.98	6	1,484.28	6	1,827.57	6	2,170.86	6	2,514.15	6	2,857.42	6	3,200.63
1/4	145.80	1/4	461.98	1/4	805.13	1/4	1,148.14	1/4	1,491.43	1/4	1,834.72	1/4	2,178.01	1/4	2,521.30	1/4	2,864.57	1/4	3,207.78
1/2	151.91	1/2	469.09	1/2	812.27	1/2	1,155.29	1/2	1,498.58	1/2	1,841.87	1/2	2,185.16	1/2	2,528.45	1/2	2,871.72	1/2	3,214.93
3/4	158.01	3/4	476.20	3/4	819.41	3/4	1,162.44	3/4	1,505.73	3/4	1,849.02	3/4	2,192.31	3/4	2,535.61	3/4	2,878.88	3/4	3,222.08
7	164.12	7	483.31	7	826.55	7	1,169.59	7	1,512.88	7	1,856.17	7	2,199.47	7	2,542.76	7	2,886.03	7	3,229.23
1/4	170.31	1/4	490.47	1/4	833.70	1/4	1,176.74	1/4	1,520.04	1/4	1,863.33	1/4	2,206.62	1/4	2,549.91	1/4	2,893.18	1/4	3,236.38
1/2	176.50	1/2	497.62	1/2	840.84	1/2	1,183.90	1/2	1,527.19	1/2	1,870.48	1/2	2,213.77	1/2	2,557.06	1/2	2,900.33	1/2	3,243.53
3/4	182.69	3/4	504.77	3/4	847.98	3/4	1,191.05	3/4	1,534.34	3/4	1,877.63	3/4	2,220.92	3/4	2,564.21	3/4	2,907.48	3/4	3,250.68
8	188.88	8	511.92	8	855.13	8	1,198.20	8	1,541.49	8	1,884.78	8	2,228.07	8	2,571.36	8	2,914.63	8	3,257.83
1/4	195.15	1/4	519.07	1/4	862.27	1/4	1,205.35	1/4	1,548.64	1/4	1,891.93	1/4	2,235.23	1/4	2,578.52	1/4	2,921.78	1/4	3,264.98
1/2	201.43	1/2	526.22	1/2	869.41	1/2	1,212.50	1/2	1,555.80	1/2	1,899.09	1/2	2,242.38	1/2	2,585.67	1/2	2,928.93	1/2	3,272.13
3/4	207.70	3/4	533.37	3/4	876.55	3/4	1,219.66	3/4	1,562.95	3/4	1,906.24	3/4	2,249.53	3/4	2,592.82	3/4	2,936.09	3/4	3,279.28
9	213.97	9	540.53	9	883.70	9	1,226.81	9	1,570.10	9	1,913.39	9	2,256.68	9	2,599.97	9	2,943.24	9	3,286.43
1/4	220.33	1/4	547.68	1/4	890.84	1/4	1,233.96	1/4	1,577.25	1/4	1,920.54	1/4	2,263.83	1/4	2,607.12	1/4	2,950.39	1/4	3,293.58
1/2	226.69	1/2	554.83	1/2	897.98	1/2	1,241.11	1/2	1,584.40	1/2	1,927.69	1/2	2,270.99	1/2	2,614.28	1/2	2,957.54	1/2	3,300.73
3/4	233.04	3/4	561.98	3/4	905.13	3/4	1,248.26	3/4	1,591.55	3/4	1,934.85	3/4	2,278.14	3/4	2,621.43	3/4	2,964.69	3/4	3,307.88
10	239.40	10	569.13	10	912.27	10	1,255.42	10	1,598.71	10	1,942.00	10	2,285.29	10	2,628.58	10	2,971.84	10	3,315.03
1/4	245.84	1/4	576.28	1/4	919.41	1/4	1,262.57	1/4	1,605.86	1/4	1,949.15	1/4	2,292.44	1/4	2,635.73	1/4	2,978.99	1/4	3,322.18
1/2	252.28	1/2	583.44	1/2	926.56	1/2	1,269.72	1/2	1,613.01	1/2	1,956.30	1/2	2,299.59	1/2	2,642.88	1/2	2,986.15	1/2	3,329.32
3/4	258.72	3/4	590.59	3/4	933.70	3/4	1,276.87	3/4	1,620.16	3/4	1,963.45	3/4	2,306.74	3/4	2,650.03	3/4	2,993.30	3/4	3,336.47
11	265.16	11	597.74	11	940.84	11	1,284.02	11	1,627.31	11	1,970.61	11	2,313.90	11	2,657.19	11	3,000.45	11	3,343.62
1/4	271.69	1/4	604.89	1/4	947.98	1/4	1,291.17	1/4	1,634.47	1/4	1,977.76	1/4	2,321.05	1/4	2,664.34	1/4	3,007.60	1/4	3,350.77
1/2	278.21	1/2	612.04	1/2	955.13	1/2	1,298.33	1/2	1,641.62	1/2	1,984.91	1/2	2,328.20	1/2	2,671.49	1/2	3,014.75	1/2	3,357.92
3/4	284.74	3/4	619.19	3/4	962.27	3/4	1,305.48	3/4	1,648.77	3/4	1,992.06	3/4	2,335.35	3/4	2,678.64	3/4	3,021.90	3/4	3,365.07

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 3304"

1 STBD

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	3,372.22	0	3,715.42	0	4,058.69	0	4,401.30	0	4,743.01	0		0		0		0		0	
1/4	3,379.37	1/4	3,722.57	1/4	4,065.84	1/4	4,408.42	1/4	4,750.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,386.52	1/2	3,729.72	1/2	4,072.99	1/2	4,415.54	1/2	4,757.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,393.67	3/4	3,736.87	3/4	4,080.14	3/4	4,422.66	3/4	4,764.36	3/4		3/4		3/4		3/4		3/4	
1	3,400.82	1	3,744.03	1	4,087.29	1	4,429.78	1	4,771.48	1		1		1		1		1	
1/4	3,407.97	1/4	3,751.18	1/4	4,094.44	1/4	4,436.90	1/4	4,778.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,415.12	1/2	3,758.33	1/2	4,101.60	1/2	4,444.02	1/2	4,785.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,422.27	3/4	3,765.48	3/4	4,108.75	3/4	4,451.13	3/4	4,792.84	3/4		3/4		3/4		3/4		3/4	
2	3,429.42	2	3,772.63	2	4,115.90	2	4,458.25	2	4,799.96	2		2		2		2		2	
1/4	3,436.57	1/4	3,779.78	1/4	4,123.05	1/4	4,465.37	1/4	4,807.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,443.72	1/2	3,786.93	1/2	4,130.20	1/2	4,472.49	1/2	4,814.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,450.87	3/4	3,794.09	3/4	4,137.35	3/4	4,479.61	3/4	4,821.31	3/4		3/4		3/4		3/4		3/4	
3	3,458.02	3	3,801.24	3	4,144.50	3	4,486.73	3	4,828.43	3		3		3		3		3	
1/4	3,465.17	1/4	3,808.39	1/4	4,151.66	1/4	4,493.85	1/4	4,835.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,472.31	1/2	3,815.54	1/2	4,158.81	1/2	4,500.97	1/2	4,842.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,479.46	3/4	3,822.69	3/4	4,165.96	3/4	4,508.08	3/4	4,849.65	3/4		3/4		3/4		3/4		3/4	
4	3,486.61	4	3,829.84	4	4,173.11	4	4,515.20	4	4,856.72	4		4		4		4		4	
1/4	3,493.76	1/4	3,836.99	1/4	4,180.26	1/4	4,522.32	1/4	4,863.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,500.91	1/2	3,844.15	1/2	4,187.41	1/2	4,529.44	1/2	4,870.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,508.06	3/4	3,851.30	3/4	4,194.56	3/4	4,536.56	3/4	4,877.95	3/4		3/4		3/4		3/4		3/4	
5	3,515.21	5	3,858.45	5	4,201.72	5	4,543.68	5	4,885.02	5		5		5		5		5	
1/4	3,522.36	1/4	3,865.60	1/4	4,208.87	1/4	4,550.80	1/4	4,892.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,529.51	1/2	3,872.75	1/2	4,216.02	1/2	4,557.92	1/2	4,899.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,536.66	3/4	3,879.90	3/4	4,223.17	3/4	4,565.04	3/4	4,906.24	3/4		3/4		3/4		3/4		3/4	
6	3,543.81	6	3,887.05	6	4,230.32	6	4,572.15	6	4,913.31	6		6		6		6		6	
1/4	3,550.96	1/4	3,894.21	1/4	4,237.47	1/4	4,579.27	1/4	4,920.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,558.11	1/2	3,901.36	1/2	4,244.62	1/2	4,586.39	1/2	4,927.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,565.26	3/4	3,908.51	3/4	4,251.78	3/4	4,593.51	3/4	4,934.49	3/4		3/4		3/4		3/4		3/4	
7	3,572.41	7	3,915.66	7	4,258.93	7	4,600.63	7	4,941.55	7		7		7		7		7	
1/4	3,579.56	1/4	3,922.81	1/4	4,266.05	1/4	4,607.75	1/4	4,948.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,586.71	1/2	3,929.96	1/2	4,273.16	1/2	4,614.87	1/2	4,955.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,593.86	3/4	3,937.11	3/4	4,280.28	3/4	4,621.99	3/4	4,962.56	3/4		3/4		3/4		3/4		3/4	
8	3,601.01	8	3,944.27	8	4,287.40	8	4,629.10	8	4,969.56	8		8		8		8		8	
1/4	3,608.16	1/4	3,951.42	1/4	4,294.52	1/4	4,636.22	1/4	4,975.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,615.30	1/2	3,958.57	1/2	4,301.64	1/2	4,643.34	1/2	4,981.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,622.45	3/4	3,965.72	3/4	4,308.76	3/4	4,650.46	3/4	4,988.10	3/4		3/4		3/4		3/4		3/4	
9	3,629.60	9	3,972.87	9	4,315.88	9	4,657.58	9	4,994.28	9		9		9		9		9	
1/4	3,636.76	1/4	3,980.02	1/4	4,323.00	1/4	4,664.70	1/4	4,999.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,643.91	1/2	3,987.17	1/2	4,330.11	1/2	4,671.82	1/2	5,004.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,651.06	3/4	3,994.33	3/4	4,337.23	3/4	4,678.94	3/4	5,009.25	3/4		3/4		3/4		3/4		3/4	
10	3,658.21	10	4,001.48	10	4,344.35	10	4,686.05	10	5,014.24	10		10		10		10		10	
1/4	3,665.36	1/4	4,008.63	1/4	4,351.47	1/4	4,693.17	1/4	5,018.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,672.51	1/2	4,015.78	1/2	4,358.59	1/2	4,700.29	1/2	5,021.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,679.66	3/4	4,022.93	3/4	4,365.71	3/4	4,707.41	3/4	5,025.62	3/4		3/4		3/4		3/4		3/4	
11	3,686.81	11	4,030.08	11	4,372.83	11	4,714.53	11	5,029.42	11		11		11		11		11	
1/4	3,693.97	1/4	4,037.23	1/4	4,379.95	1/4	4,721.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,701.12	1/2	4,044.38	1/2	4,387.07	1/2	4,728.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,708.27	3/4	4,051.54	3/4	4,394.18	3/4	4,735.89	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
 CALCULATED: 08/09/2019 CL
 PRINTED: 08/10/2019 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 3304"

2 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	14.67	0	343.48	0	686.80	0	1,020.40	0	1,358.94	0	1,702.27	0	2,045.60	0	2,388.93	0	2,732.26	0	3,075.58
1/4	19.14	1/4	350.63	1/4	693.95	1/4	1,027.25	1/4	1,366.10	1/4	1,709.43	1/4	2,052.76	1/4	2,396.09	1/4	2,739.42	1/4	3,082.73
1/2	23.61	1/2	357.79	1/2	701.10	1/2	1,034.09	1/2	1,373.25	1/2	1,716.58	1/2	2,059.91	1/2	2,403.24	1/2	2,746.57	1/2	3,089.88
3/4	28.08	3/4	364.94	3/4	708.25	3/4	1,040.94	3/4	1,380.40	3/4	1,723.73	3/4	2,067.06	3/4	2,410.39	3/4	2,753.72	3/4	3,097.04
1	32.55	1	372.09	1	715.41	1	1,047.78	1	1,387.56	1	1,730.89	1	2,074.21	1	2,417.54	1	2,760.87	1	3,104.19
1/4	38.81	1/4	379.24	1/4	722.56	1/4	1,054.63	1/4	1,394.71	1/4	1,738.04	1/4	2,081.37	1/4	2,424.70	1/4	2,768.03	1/4	3,111.34
1/2	45.06	1/2	386.40	1/2	729.71	1/2	1,061.47	1/2	1,401.86	1/2	1,745.19	1/2	2,088.52	1/2	2,431.85	1/2	2,775.18	1/2	3,118.49
3/4	51.32	3/4	393.55	3/4	736.86	3/4	1,068.32	3/4	1,409.01	3/4	1,752.34	3/4	2,095.67	3/4	2,439.00	3/4	2,782.33	3/4	3,125.64
2	57.58	2	400.70	2	744.02	2	1,075.16	2	1,416.17	2	1,759.50	2	2,102.83	2	2,446.16	2	2,789.48	2	3,132.79
1/4	64.69	1/4	407.85	1/4	751.17	1/4	1,082.02	1/4	1,423.32	1/4	1,766.65	1/4	2,109.98	1/4	2,453.31	1/4	2,796.64	1/4	3,139.94
1/2	71.81	1/2	415.01	1/2	758.32	1/2	1,088.87	1/2	1,430.47	1/2	1,773.80	1/2	2,117.13	1/2	2,460.46	1/2	2,803.79	1/2	3,147.09
3/4	78.93	3/4	422.16	3/4	765.47	3/4	1,095.72	3/4	1,437.62	3/4	1,780.95	3/4	2,124.28	3/4	2,467.61	3/4	2,810.94	3/4	3,154.24
3	86.04	3	429.31	3	772.63	3	1,102.58	3	1,444.78	3	1,788.11	3	2,131.44	3	2,474.77	3	2,818.10	3	3,161.39
1/4	93.18	1/4	436.46	1/4	779.78	1/4	1,109.45	1/4	1,451.93	1/4	1,795.26	1/4	2,138.59	1/4	2,481.92	1/4	2,825.25	1/4	3,168.54
1/2	100.33	1/2	443.62	1/2	786.93	1/2	1,116.32	1/2	1,459.08	1/2	1,802.41	1/2	2,145.74	1/2	2,489.07	1/2	2,832.40	1/2	3,175.69
3/4	107.47	3/4	450.77	3/4	794.08	3/4	1,123.19	3/4	1,466.24	3/4	1,809.56	3/4	2,152.89	3/4	2,496.22	3/4	2,839.55	3/4	3,182.84
4	114.61	4	457.92	4	801.24	4	1,130.06	4	1,473.39	4	1,816.72	4	2,160.05	4	2,503.38	4	2,846.71	4	3,189.99
1/4	121.76	1/4	465.07	1/4	808.11	1/4	1,137.21	1/4	1,480.54	1/4	1,823.87	1/4	2,167.20	1/4	2,510.53	1/4	2,853.86	1/4	3,197.14
1/2	128.91	1/2	472.22	1/2	814.98	1/2	1,144.36	1/2	1,487.69	1/2	1,831.02	1/2	2,174.35	1/2	2,517.68	1/2	2,861.01	1/2	3,204.29
3/4	136.06	3/4	479.38	3/4	821.85	3/4	1,151.52	3/4	1,494.85	3/4	1,838.18	3/4	2,181.51	3/4	2,524.83	3/4	2,868.16	3/4	3,211.44
5	143.21	5	486.53	5	828.72	5	1,158.67	5	1,502.00	5	1,845.33	5	2,188.66	5	2,531.99	5	2,875.32	5	3,218.59
1/4	150.37	1/4	493.68	1/4	835.57	1/4	1,165.82	1/4	1,509.15	1/4	1,852.48	1/4	2,195.81	1/4	2,539.14	1/4	2,882.47	1/4	3,225.74
1/2	157.52	1/2	500.83	1/2	842.42	1/2	1,172.97	1/2	1,516.30	1/2	1,859.63	1/2	2,202.96	1/2	2,546.29	1/2	2,889.62	1/2	3,232.89
3/4	164.67	3/4	507.99	3/4	849.27	3/4	1,180.13	3/4	1,523.46	3/4	1,866.79	3/4	2,210.12	3/4	2,553.45	3/4	2,896.78	3/4	3,240.05
6	171.82	6	515.14	6	856.13	6	1,187.28	6	1,530.61	6	1,873.94	6	2,217.27	6	2,560.60	6	2,903.93	6	3,247.20
1/4	178.98	1/4	522.29	1/4	862.97	1/4	1,194.43	1/4	1,537.76	1/4	1,881.09	1/4	2,224.42	1/4	2,567.75	1/4	2,911.08	1/4	3,254.35
1/2	186.13	1/2	529.44	1/2	869.82	1/2	1,201.59	1/2	1,544.91	1/2	1,888.24	1/2	2,231.57	1/2	2,574.90	1/2	2,918.23	1/2	3,261.50
3/4	193.28	3/4	536.60	3/4	876.66	3/4	1,208.74	3/4	1,552.07	3/4	1,895.40	3/4	2,238.73	3/4	2,582.06	3/4	2,925.39	3/4	3,268.65
7	200.43	7	543.75	7	883.51	7	1,215.89	7	1,559.22	7	1,902.55	7	2,245.88	7	2,589.21	7	2,932.54	7	3,275.80
1/4	207.59	1/4	550.90	1/4	890.35	1/4	1,223.04	1/4	1,566.37	1/4	1,909.70	1/4	2,253.03	1/4	2,596.36	1/4	2,939.69	1/4	3,282.95
1/2	214.74	1/2	558.05	1/2	897.20	1/2	1,230.20	1/2	1,573.53	1/2	1,916.86	1/2	2,260.18	1/2	2,603.51	1/2	2,946.84	1/2	3,290.10
3/4	221.89	3/4	565.21	3/4	904.04	3/4	1,237.35	3/4	1,580.68	3/4	1,924.01	3/4	2,267.34	3/4	2,610.67	3/4	2,954.00	3/4	3,297.25
8	229.04	8	572.36	8	910.89	8	1,244.50	8	1,587.83	8	1,931.16	8	2,274.49	8	2,617.82	8	2,961.15	8	3,304.40
1/4	236.20	1/4	579.51	1/4	917.73	1/4	1,251.65	1/4	1,594.98	1/4	1,938.31	1/4	2,281.64	1/4	2,624.97	1/4	2,968.30	1/4	3,311.55
1/2	243.35	1/2	586.66	1/2	924.58	1/2	1,258.81	1/2	1,602.14	1/2	1,945.47	1/2	2,288.80	1/2	2,632.13	1/2	2,975.45	1/2	3,318.70
3/4	250.50	3/4	593.82	3/4	931.42	3/4	1,265.96	3/4	1,609.29	3/4	1,952.62	3/4	2,295.95	3/4	2,639.28	3/4	2,982.61	3/4	3,325.85
9	257.65	9	600.97	9	938.26	9	1,273.11	9	1,616.44	9	1,959.77	9	2,303.10	9	2,646.43	9	2,989.76	9	3,333.00
1/4	264.81	1/4	608.12	1/4	945.11	1/4	1,280.27	1/4	1,623.59	1/4	1,966.92	1/4	2,310.25	1/4	2,653.58	1/4	2,996.91	1/4	3,340.15
1/2	271.96	1/2	615.27	1/2	951.95	1/2	1,287.42	1/2	1,630.75	1/2	1,974.08	1/2	2,317.41	1/2	2,660.74	1/2	3,004.07	1/2	3,347.30
3/4	279.11	3/4	622.43	3/4	958.80	3/4	1,294.57	3/4	1,637.90	3/4	1,981.23	3/4	2,324.56	3/4	2,667.89	3/4	3,011.22	3/4	3,354.45
10	286.26	10	629.58	10	965.64	10	1,301.72	10	1,645.05	10	1,988.38	10	2,331.71	10	2,675.04	10	3,018.37	10	3,361.60
1/4	293.41	1/4	636.73	1/4	972.49	1/4	1,308.88	1/4	1,652.21	1/4	1,995.54	1/4	2,338.86	1/4	2,682.19	1/4	3,025.52	1/4	3,368.75
1/2	300.57	1/2	643.88	1/2	979.33	1/2	1,316.03	1/2	1,659.36	1/2	2,002.69	1/2	2,346.02	1/2	2,689.35	1/2	3,032.68	1/2	3,375.90
3/4	307.72	3/4	651.03	3/4	986.18	3/4	1,323.18	3/4	1,666.51	3/4	2,009.84	3/4	2,353.17	3/4	2,696.50	3/4	3,039.83	3/4	3,383.06
11	314.87	11	658.19	11	993.02	11	1,330.33	11	1,673.66	11	2,016.99	11	2,360.32	11	2,703.65	11	3,046.98	11	3,390.21
1/4	322.02	1/4	665.34	1/4	999.87	1/4	1,337.49	1/4	1,680.82	1/4	2,024.15	1/4	2,367.48	1/4	2,710.81	1/4	3,054.13	1/4	3,397.36
1/2	329.18	1/2	672.49	1/2	1,006.71	1/2	1,344.64	1/2	1,687.97	1/2	2,031.30	1/2	2,374.63	1/2	2,717.96	1/2	3,061.28	1/2	3,404.51
3/4	336.33	3/4	679.64	3/4	1,013.56	3/4	1,351.79	3/4	1,695.12	3/4	2,038.45	3/4	2,381.78	3/4	2,725.11	3/4	3,068.43	3/4	3,411.66

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 3304"

2 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	3,418.81	0	3,762.03	0	4,105.26	0	4,447.83	0	4,789.49	0		0		0		0		0	
1/4	3,425.96	1/4	3,769.18	1/4	4,112.41	1/4	4,454.95	1/4	4,796.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,433.11	1/2	3,776.33	1/2	4,119.56	1/2	4,462.07	1/2	4,803.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,440.26	3/4	3,783.48	3/4	4,126.71	3/4	4,469.18	3/4	4,810.85	3/4		3/4		3/4		3/4		3/4	
1	3,447.41	1	3,790.63	1	4,133.86	1	4,476.30	1	4,817.97	1		1		1		1		1	
1/4	3,454.56	1/4	3,797.78	1/4	4,141.01	1/4	4,483.42	1/4	4,825.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,461.71	1/2	3,804.93	1/2	4,148.16	1/2	4,490.54	1/2	4,832.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,468.86	3/4	3,812.09	3/4	4,155.31	3/4	4,497.66	3/4	4,839.32	3/4		3/4		3/4		3/4		3/4	
2	3,476.01	2	3,819.24	2	4,162.46	2	4,504.77	2	4,846.44	2		2		2		2		2	
1/4	3,483.16	1/4	3,826.39	1/4	4,169.61	1/4	4,511.89	1/4	4,853.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,490.31	1/2	3,833.54	1/2	4,176.76	1/2	4,519.01	1/2	4,860.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,497.46	3/4	3,840.69	3/4	4,183.91	3/4	4,526.13	3/4	4,867.79	3/4		3/4		3/4		3/4		3/4	
3	3,504.61	3	3,847.84	3	4,191.06	3	4,533.25	3	4,874.91	3		3		3		3		3	
1/4	3,511.76	1/4	3,854.99	1/4	4,198.21	1/4	4,540.36	1/4	4,881.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,518.91	1/2	3,862.14	1/2	4,205.36	1/2	4,547.48	1/2	4,889.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,526.07	3/4	3,869.29	3/4	4,212.51	3/4	4,554.60	3/4	4,896.13	3/4		3/4		3/4		3/4		3/4	
4	3,533.22	4	3,876.44	4	4,219.66	4	4,561.72	4	4,903.20	4		4		4		4		4	
1/4	3,540.37	1/4	3,883.59	1/4	4,226.81	1/4	4,568.84	1/4	4,910.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,547.52	1/2	3,890.74	1/2	4,233.96	1/2	4,575.95	1/2	4,917.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,554.67	3/4	3,897.89	3/4	4,241.12	3/4	4,583.07	3/4	4,924.42	3/4		3/4		3/4		3/4		3/4	
5	3,561.82	5	3,905.04	5	4,248.27	5	4,590.19	5	4,931.50	5		5		5		5		5	
1/4	3,568.97	1/4	3,912.19	1/4	4,255.42	1/4	4,597.31	1/4	4,938.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,576.12	1/2	3,919.34	1/2	4,262.57	1/2	4,604.43	1/2	4,945.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,583.27	3/4	3,926.49	3/4	4,269.72	3/4	4,611.54	3/4	4,952.71	3/4		3/4		3/4		3/4		3/4	
6	3,590.42	6	3,933.64	6	4,276.87	6	4,618.66	6	4,959.78	6		6		6		6		6	
1/4	3,597.57	1/4	3,940.79	1/4	4,284.02	1/4	4,625.78	1/4	4,966.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,604.72	1/2	3,947.94	1/2	4,291.17	1/2	4,632.90	1/2	4,973.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.87	3/4	3,955.10	3/4	4,298.32	3/4	4,640.02	3/4	4,980.95	3/4		3/4		3/4		3/4		3/4	
7	3,619.02	7	3,962.25	7	4,305.47	7	4,647.13	7	4,988.01	7		7		7		7		7	
1/4	3,626.17	1/4	3,969.40	1/4	4,312.59	1/4	4,654.25	1/4	4,995.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,633.32	1/2	3,976.55	1/2	4,319.71	1/2	4,661.37	1/2	5,002.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,640.47	3/4	3,983.70	3/4	4,326.82	3/4	4,668.49	3/4	5,009.02	3/4		3/4		3/4		3/4		3/4	
8	3,647.62	8	3,990.85	8	4,333.94	8	4,675.61	8	5,016.03	8		8		8		8		8	
1/4	3,654.77	1/4	3,998.00	1/4	4,341.06	1/4	4,682.72	1/4	5,022.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,661.92	1/2	4,005.15	1/2	4,348.18	1/2	4,689.84	1/2	5,028.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,669.08	3/4	4,012.30	3/4	4,355.30	3/4	4,696.96	3/4	5,034.56	3/4		3/4		3/4		3/4		3/4	
9	3,676.23	9	4,019.45	9	4,362.41	9	4,704.08	9	5,040.74	9		9		9		9		9	
1/4	3,683.38	1/4	4,026.60	1/4	4,369.53	1/4	4,711.20	1/4	5,045.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,690.53	1/2	4,033.75	1/2	4,376.65	1/2	4,718.31	1/2	5,050.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,697.68	3/4	4,040.90	3/4	4,383.77	3/4	4,725.43	3/4	5,055.70	3/4		3/4		3/4		3/4		3/4	
10	3,704.83	10	4,048.05	10	4,390.89	10	4,732.55	10	5,060.69	10		10		10		10		10	
1/4	3,711.98	1/4	4,055.20	1/4	4,398.00	1/4	4,739.67	1/4	5,064.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,719.13	1/2	4,062.35	1/2	4,405.12	1/2	4,746.79	1/2	5,068.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,726.28	3/4	4,069.50	3/4	4,412.24	3/4	4,753.90	3/4	5,072.08	3/4		3/4		3/4		3/4		3/4	
11	3,733.43	11	4,076.65	11	4,419.36	11	4,761.02	11	5,075.87	11		11		11		11		11	
1/4	3,740.58	1/4	4,083.80	1/4	4,426.48	1/4	4,768.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,747.73	1/2	4,090.95	1/2	4,433.59	1/2	4,775.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,754.88	3/4	4,098.11	3/4	4,440.71	3/4	4,782.38	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

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	14.71	0	344.40	0	688.64	0	1,032.52	0	1,376.64	0	1,720.89	0	2,065.14	0	2,409.39	0	2,753.64	0	3,097.88
1/4	19.19	1/4	351.58	1/4	695.81	1/4	1,039.68	1/4	1,383.81	1/4	1,728.06	1/4	2,072.31	1/4	2,416.56	1/4	2,760.81	1/4	3,105.05
1/2	23.67	1/2	358.75	1/2	702.98	1/2	1,046.84	1/2	1,390.98	1/2	1,735.23	1/2	2,079.48	1/2	2,423.73	1/2	2,767.99	1/2	3,112.22
3/4	28.16	3/4	365.92	3/4	710.16	3/4	1,054.00	3/4	1,398.15	3/4	1,742.40	3/4	2,086.66	3/4	2,430.91	3/4	2,775.16	3/4	3,119.39
1	32.64	1	373.09	1	717.33	1	1,061.15	1	1,449.58	1	1,789.58	1	2,093.83	1	2,438.08	1	2,782.33	1	3,126.56
1/4	38.91	1/4	380.26	1/4	724.50	1/4	1,068.31	1/4	1,412.50	1/4	1,756.75	1/4	2,101.00	1/4	2,445.25	1/4	2,789.50	1/4	3,133.73
1/2	45.19	1/2	387.43	1/2	731.67	1/2	1,075.47	1/2	1,419.67	1/2	1,763.92	1/2	2,108.17	1/2	2,452.42	1/2	2,796.67	1/2	3,140.90
3/4	51.46	3/4	394.61	3/4	738.84	3/4	1,082.63	3/4	1,426.84	3/4	1,771.09	3/4	2,115.34	3/4	2,459.59	3/4	2,803.85	3/4	3,148.07
2	57.73	2	401.78	2	746.01	2	1,089.79	2	1,434.01	2	1,778.26	2	2,122.52	2	2,466.77	2	2,811.02	2	3,155.24
1/4	64.87	1/4	408.95	1/4	753.19	1/4	1,096.95	1/4	1,441.18	1/4	1,785.44	1/4	2,129.69	1/4	2,473.94	1/4	2,818.19	1/4	3,162.41
1/2	72.00	1/2	416.12	1/2	760.36	1/2	1,104.12	1/2	1,448.36	1/2	1,792.61	1/2	2,136.86	1/2	2,481.11	1/2	2,825.36	1/2	3,169.58
3/4	79.14	3/4	423.29	3/4	767.53	3/4	1,111.28	3/4	1,455.53	3/4	1,799.78	3/4	2,144.03	3/4	2,488.28	3/4	2,832.53	3/4	3,176.75
3	86.27	3	430.46	3	774.70	3	1,118.45	3	1,462.70	3	1,806.95	3	2,151.20	3	2,495.45	3	2,839.71	3	3,183.92
1/4	93.44	1/4	437.64	1/4	781.87	1/4	1,125.62	1/4	1,469.87	1/4	1,814.12	1/4	2,158.37	1/4	2,502.63	1/4	2,846.88	1/4	3,191.09
1/2	100.60	1/2	444.81	1/2	789.04	1/2	1,132.79	1/2	1,477.04	1/2	1,821.30	1/2	2,165.55	1/2	2,509.80	1/2	2,854.05	1/2	3,198.26
3/4	107.76	3/4	451.98	3/4	796.22	3/4	1,139.96	3/4	1,484.22	3/4	1,828.47	3/4	2,172.72	3/4	2,516.97	3/4	2,861.22	3/4	3,205.43
4	114.92	4	459.15	4	803.39	4	1,147.14	4	1,491.39	4	1,835.64	4	2,179.89	4	2,524.14	4	2,868.39	4	3,212.60
1/4	122.09	1/4	466.32	1/4	810.56	1/4	1,154.31	1/4	1,498.56	1/4	1,842.81	1/4	2,187.06	1/4	2,531.31	1/4	2,875.56	1/4	3,219.77
1/2	129.26	1/2	473.49	1/2	817.73	1/2	1,161.48	1/2	1,505.73	1/2	1,849.98	1/2	2,194.23	1/2	2,538.49	1/2	2,882.74	1/2	3,226.94
3/4	136.43	3/4	480.67	3/4	824.90	3/4	1,168.65	3/4	1,512.90	3/4	1,857.15	3/4	2,201.41	3/4	2,545.66	3/4	2,889.91	3/4	3,234.11
5	143.60	5	487.84	5	832.07	5	1,175.82	5	1,520.08	5	1,864.33	5	2,208.58	5	2,552.83	5	2,897.08	5	3,241.28
1/4	150.77	1/4	495.01	1/4	839.24	1/4	1,183.00	1/4	1,527.25	1/4	1,871.50	1/4	2,215.75	1/4	2,560.00	1/4	2,904.25	1/4	3,248.45
1/2	157.94	1/2	502.18	1/2	846.41	1/2	1,190.17	1/2	1,534.42	1/2	1,878.67	1/2	2,222.92	1/2	2,567.17	1/2	2,911.42	1/2	3,255.62
3/4	165.11	3/4	509.35	3/4	853.57	3/4	1,197.34	3/4	1,541.59	3/4	1,885.84	3/4	2,230.09	3/4	2,574.34	3/4	2,918.60	3/4	3,262.79
6	172.29	6	516.52	6	860.74	6	1,204.51	6	1,548.76	6	1,893.01	6	2,237.27	6	2,581.52	6	2,925.77	6	3,269.96
1/4	179.46	1/4	523.69	1/4	867.90	1/4	1,211.68	1/4	1,555.94	1/4	1,900.19	1/4	2,244.44	1/4	2,588.69	1/4	2,932.94	1/4	3,277.13
1/2	186.63	1/2	530.87	1/2	875.05	1/2	1,218.86	1/2	1,563.11	1/2	1,907.36	1/2	2,251.61	1/2	2,595.86	1/2	2,940.11	1/2	3,284.30
3/4	193.80	3/4	538.04	3/4	882.21	3/4	1,226.03	3/4	1,570.28	3/4	1,914.53	3/4	2,258.78	3/4	2,603.03	3/4	2,947.28	3/4	3,291.47
7	200.97	7	545.21	7	889.37	7	1,233.20	7	1,577.45	7	1,921.70	7	2,265.95	7	2,610.20	7	2,954.46	7	3,298.64
1/4	208.14	1/4	552.38	1/4	896.53	1/4	1,240.37	1/4	1,584.62	1/4	1,928.87	1/4	2,273.13	1/4	2,617.38	1/4	2,961.63	1/4	3,305.81
1/2	215.32	1/2	559.55	1/2	903.68	1/2	1,247.54	1/2	1,591.79	1/2	1,936.05	1/2	2,280.30	1/2	2,624.55	1/2	2,968.80	1/2	3,312.98
3/4	222.49	3/4	566.72	3/4	910.84	3/4	1,254.72	3/4	1,598.97	3/4	1,943.22	3/4	2,287.47	3/4	2,631.72	3/4	2,975.97	3/4	3,320.15
8	229.66	8	573.90	8	918.00	8	1,261.89	8	1,606.14	8	1,950.39	8	2,294.64	8	2,638.89	8	2,983.14	8	3,327.32
1/4	236.83	1/4	581.07	1/4	925.16	1/4	1,269.06	1/4	1,613.31	1/4	1,957.56	1/4	2,301.81	1/4	2,646.06	1/4	2,990.31	1/4	3,334.48
1/2	244.00	1/2	588.24	1/2	932.31	1/2	1,276.23	1/2	1,620.48	1/2	1,964.73	1/2	2,308.98	1/2	2,653.24	1/2	2,997.49	1/2	3,341.65
3/4	251.17	3/4	595.41	3/4	939.47	3/4	1,283.40	3/4	1,627.65	3/4	1,971.91	3/4	2,316.16	3/4	2,660.41	3/4	3,004.66	3/4	3,348.82
9	258.35	9	602.58	9	946.63	9	1,290.57	9	1,634.83	9	1,979.08	9	2,323.33	9	2,667.58	9	3,011.83	9	3,355.99
1/4	265.52	1/4	609.75	1/4	953.79	1/4	1,297.75	1/4	1,642.00	1/4	1,986.25	1/4	2,330.50	1/4	2,674.75	1/4	3,019.00	1/4	3,363.16
1/2	272.69	1/2	616.93	1/2	960.94	1/2	1,304.92	1/2	1,649.17	1/2	1,993.42	1/2	2,337.67	1/2	2,681.92	1/2	3,026.17	1/2	3,370.33
3/4	279.86	3/4	624.10	3/4	968.10	3/4	1,312.09	3/4	1,656.34	3/4	2,000.59	3/4	2,344.84	3/4	2,689.10	3/4	3,033.35	3/4	3,377.50
10	287.03	10	631.27	10	975.26	10	1,319.26	10	1,663.51	10	2,007.76	10	2,352.02	10	2,696.27	10	3,040.52	10	3,384.67
1/4	294.20	1/4	638.44	1/4	982.42	1/4	1,326.43	1/4	1,670.69	1/4	2,014.94	1/4	2,359.19	1/4	2,703.44	1/4	3,047.69	1/4	3,391.84
1/2	301.38	1/2	645.61	1/2	989.58	1/2	1,333.61	1/2	1,677.86	1/2	2,022.11	1/2	2,366.36	1/2	2,710.61	1/2	3,054.86	1/2	3,399.01
3/4	308.55	3/4	652.78	3/4	996.73	3/4	1,340.78	3/4	1,685.03	3/4	2,029.28	3/4	2,373.53	3/4	2,717.78	3/4	3,062.03	3/4	3,406.18
11	315.72	11	659.96	11	1,003.89	11	1,347.95	11	1,692.20	11	2,036.45	11	2,380.70	11	2,724.95	11	3,069.21	11	3,413.35
1/4	322.89	1/4	667.13	1/4	1,011.05	1/4	1,355.12	1/4	1,699.37	1/4	2,043.62	1/4	2,387.88	1/4	2,732.13	1/4	3,076.38	1/4	3,420.52
1/2	330.06	1/2	674.30	1/2	1,018.21	1/2	1,362.29	1/2	1,706.54	1/2	2,050.80	1/2	2,395.05	1/2	2,739.30	1/2	3,083.55	1/2	3,427.69
3/4	337.23	3/4	681.47	3/4	1,025.36	3/4	1,369.47	3/4	1,713.72	3/4	2,057.97	3/4	2,402.22	3/4	2,746.47	3/4	3,090.71	3/4	3,434.86

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 3304"

**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	3,442.03	0	3,786.20	0	4,130.45	0	4,474.05	0	4,816.72	0		0		0		0		0	
1/4	3,449.20	1/4	3,793.37	1/4	4,137.63	1/4	4,481.19	1/4	4,823.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,456.37	1/2	3,800.55	1/2	4,144.80	1/2	4,488.32	1/2	4,831.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,463.54	3/4	3,807.72	3/4	4,151.97	3/4	4,495.46	3/4	4,838.14	3/4		3/4		3/4		3/4		3/4	
1	3,470.71	1	3,814.89	1	4,159.14	1	4,502.60	1	4,845.27	1		1		1		1		1	
1/4	3,477.88	1/4	3,822.06	1/4	4,166.31	1/4	4,509.74	1/4	4,852.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,485.05	1/2	3,829.23	1/2	4,173.48	1/2	4,516.88	1/2	4,859.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,492.22	3/4	3,836.41	3/4	4,180.66	3/4	4,524.02	3/4	4,866.69	3/4		3/4		3/4		3/4		3/4	
2	3,499.39	2	3,843.58	2	4,187.83	2	4,531.16	2	4,873.83	2		2		2		2		2	
1/4	3,506.56	1/4	3,850.75	1/4	4,195.00	1/4	4,538.30	1/4	4,880.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,513.73	1/2	3,857.92	1/2	4,202.17	1/2	4,545.44	1/2	4,888.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,520.90	3/4	3,865.09	3/4	4,209.34	3/4	4,552.58	3/4	4,895.25	3/4		3/4		3/4		3/4		3/4	
3	3,528.07	3	3,872.27	3	4,216.52	3	4,559.71	3	4,902.39	3		3		3		3		3	
1/4	3,535.24	1/4	3,879.44	1/4	4,223.69	1/4	4,566.85	1/4	4,909.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,542.41	1/2	3,886.61	1/2	4,230.86	1/2	4,573.99	1/2	4,916.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,549.58	3/4	3,893.78	3/4	4,238.03	3/4	4,581.13	3/4	4,923.67	3/4		3/4		3/4		3/4		3/4	
4	3,556.75	4	3,900.95	4	4,245.20	4	4,588.27	4	4,930.76	4		4		4		4		4	
1/4	3,563.92	1/4	3,908.12	1/4	4,252.38	1/4	4,595.41	1/4	4,937.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,571.08	1/2	3,915.30	1/2	4,259.55	1/2	4,602.55	1/2	4,944.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,578.25	3/4	3,922.47	3/4	4,266.72	3/4	4,609.69	3/4	4,952.05	3/4		3/4		3/4		3/4		3/4	
5	3,585.42	5	3,929.64	5	4,273.89	5	4,616.83	5	4,959.14	5		5		5		5		5	
1/4	3,592.59	1/4	3,936.81	1/4	4,281.06	1/4	4,623.97	1/4	4,966.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,599.76	1/2	3,943.98	1/2	4,288.24	1/2	4,631.10	1/2	4,973.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,606.93	3/4	3,951.16	3/4	4,295.41	3/4	4,638.24	3/4	4,980.42	3/4		3/4		3/4		3/4		3/4	
6	3,614.10	6	3,958.33	6	4,302.58	6	4,645.38	6	4,987.51	6		6		6		6		6	
1/4	3,621.27	1/4	3,965.50	1/4	4,309.75	1/4	4,652.52	1/4	4,994.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,628.44	1/2	3,972.67	1/2	4,316.92	1/2	4,659.66	1/2	5,001.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,635.61	3/4	3,979.84	3/4	4,324.09	3/4	4,666.80	3/4	5,008.75	3/4		3/4		3/4		3/4		3/4	
7	3,642.78	7	3,987.02	7	4,331.27	7	4,673.94	7	5,015.83	7		7		7		7		7	
1/4	3,649.95	1/4	3,994.19	1/4	4,338.41	1/4	4,681.08	1/4	5,022.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,657.12	1/2	4,001.36	1/2	4,345.54	1/2	4,688.22	1/2	5,029.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,664.29	3/4	4,008.53	3/4	4,352.68	3/4	4,695.36	3/4	5,036.90	3/4		3/4		3/4		3/4		3/4	
8	3,671.46	8	4,015.70	8	4,359.82	8	4,702.49	8	5,043.93	8		8		8		8		8	
1/4	3,678.63	1/4	4,022.87	1/4	4,366.96	1/4	4,709.63	1/4	5,050.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,685.80	1/2	4,030.05	1/2	4,374.10	1/2	4,716.77	1/2	5,056.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,692.97	3/4	4,037.22	3/4	4,381.24	3/4	4,723.91	3/4	5,062.52	3/4		3/4		3/4		3/4		3/4	
9	3,700.14	9	4,044.39	9	4,388.38	9	4,731.05	9	5,068.72	9		9		9		9		9	
1/4	3,707.31	1/4	4,051.56	1/4	4,395.52	1/4	4,738.19	1/4	5,073.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,714.48	1/2	4,058.73	1/2	4,402.66	1/2	4,745.33	1/2	5,078.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,721.66	3/4	4,065.91	3/4	4,409.80	3/4	4,752.47	3/4	5,083.72	3/4		3/4		3/4		3/4		3/4	
10	3,728.83	10	4,073.08	10	4,416.93	10	4,759.61	10	5,088.73	10		10		10		10		10	
1/4	3,736.00	1/4	4,080.25	1/4	4,424.07	1/4	4,766.75	1/4	5,092.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,743.17	1/2	4,087.42	1/2	4,431.21	1/2	4,773.88	1/2	5,096.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,750.34	3/4	4,094.59	3/4	4,438.35	3/4	4,781.02	3/4	5,100.15	3/4		3/4		3/4		3/4		3/4	
11	3,757.51	11	4,101.77	11	4,445.49	11	4,788.16	11	5,103.95	11		11		11		11		11	
1/4	3,764.69	1/4	4,108.94	1/4	4,452.63	1/4	4,795.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,771.86	1/2	4,116.11	1/2	4,459.77	1/2	4,802.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,779.03	3/4	4,123.28	3/4	4,466.91	3/4	4,809.58	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

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	14.65	0	342.90	0	685.12	0	1,017.68	0	1,355.17	0	1,697.28	0	2,039.40	0	2,381.51	0	2,723.58	0	3,065.82
1/4	19.11	1/4	350.04	1/4	692.25	1/4	1,024.49	1/4	1,362.30	1/4	1,704.41	1/4	2,046.52	1/4	2,388.63	1/4	2,730.71	1/4	3,072.94
1/2	23.57	1/2	357.18	1/2	699.37	1/2	1,031.31	1/2	1,369.43	1/2	1,711.54	1/2	2,053.65	1/2	2,395.76	1/2	2,737.84	1/2	3,080.07
3/4	28.03	3/4	364.32	3/4	706.50	3/4	1,038.13	3/4	1,376.56	3/4	1,718.67	3/4	2,060.78	3/4	2,402.89	3/4	2,744.96	3/4	3,087.19
1	32.50	1	371.46	1	713.63	1	1,044.95	1	1,383.68	1	1,725.79	1	2,067.90	1	2,410.01	1	2,752.09	1	3,094.31
1/4	38.74	1/4	378.59	1/4	720.76	1/4	1,051.76	1/4	1,390.81	1/4	1,732.92	1/4	2,075.03	1/4	2,417.14	1/4	2,759.22	1/4	3,101.43
1/2	44.99	1/2	385.72	1/2	727.89	1/2	1,058.58	1/2	1,397.94	1/2	1,740.05	1/2	2,082.16	1/2	2,424.27	1/2	2,766.34	1/2	3,108.56
3/4	51.24	3/4	392.84	3/4	735.02	3/4	1,065.40	3/4	1,405.07	3/4	1,747.18	3/4	2,089.29	3/4	2,431.40	3/4	2,773.47	3/4	3,115.68
2	57.48	2	399.97	2	742.15	2	1,072.22	2	1,412.19	2	1,754.30	2	2,096.41	2	2,438.52	2	2,780.59	2	3,122.80
1/4	64.59	1/4	407.10	1/4	749.27	1/4	1,079.04	1/4	1,419.32	1/4	1,761.43	1/4	2,103.54	1/4	2,445.65	1/4	2,787.72	1/4	3,129.91
1/2	71.69	1/2	414.23	1/2	756.40	1/2	1,085.87	1/2	1,426.45	1/2	1,768.56	1/2	2,110.67	1/2	2,452.78	1/2	2,794.85	1/2	3,137.01
3/4	78.79	3/4	421.36	3/4	763.53	3/4	1,092.69	3/4	1,433.57	3/4	1,775.69	3/4	2,117.80	3/4	2,459.91	3/4	2,801.97	3/4	3,144.12
3	85.90	3	428.49	3	770.66	3	1,099.52	3	1,440.70	3	1,782.81	3	2,124.92	3	2,467.03	3	2,809.10	3	3,151.22
1/4	93.03	1/4	435.62	1/4	777.79	1/4	1,106.41	1/4	1,447.83	1/4	1,789.94	1/4	2,132.05	1/4	2,474.16	1/4	2,816.23	1/4	3,158.32
1/2	100.16	1/2	442.74	1/2	784.92	1/2	1,113.31	1/2	1,454.96	1/2	1,797.07	1/2	2,139.18	1/2	2,481.29	1/2	2,823.35	1/2	3,165.43
3/4	107.29	3/4	449.87	3/4	792.05	3/4	1,120.21	3/4	1,462.08	3/4	1,804.19	3/4	2,146.30	3/4	2,488.42	3/4	2,830.48	3/4	3,172.53
4	114.42	4	457.00	4	799.17	4	1,127.10	4	1,469.21	4	1,811.32	4	2,153.43	4	2,495.54	4	2,837.60	4	3,179.64
1/4	121.56	1/4	464.13	1/4	806.07	1/4	1,134.23	1/4	1,476.34	1/4	1,818.45	1/4	2,160.56	1/4	2,502.67	1/4	2,844.73	1/4	3,186.74
1/2	128.69	1/2	471.26	1/2	812.97	1/2	1,141.36	1/2	1,483.47	1/2	1,825.58	1/2	2,167.69	1/2	2,509.79	1/2	2,851.86	1/2	3,193.85
3/4	135.83	3/4	478.39	3/4	819.86	3/4	1,148.48	3/4	1,490.59	3/4	1,832.70	3/4	2,174.81	3/4	2,516.92	3/4	2,858.98	3/4	3,200.95
5	142.97	5	485.52	5	826.76	5	1,155.61	5	1,497.72	5	1,839.83	5	2,181.94	5	2,524.05	5	2,866.11	5	3,208.06
1/4	150.11	1/4	492.64	1/4	833.59	1/4	1,162.74	1/4	1,504.85	1/4	1,846.96	1/4	2,189.07	1/4	2,531.17	1/4	2,873.24	1/4	3,215.16
1/2	157.25	1/2	499.77	1/2	840.41	1/2	1,169.86	1/2	1,511.97	1/2	1,854.09	1/2	2,196.20	1/2	2,538.30	1/2	2,880.36	1/2	3,222.27
3/4	164.39	3/4	506.90	3/4	847.24	3/4	1,176.99	3/4	1,519.10	3/4	1,861.21	3/4	2,203.32	3/4	2,545.43	3/4	2,887.49	3/4	3,229.37
6	171.53	6	514.03	6	854.06	6	1,184.12	6	1,526.23	6	1,868.34	6	2,210.45	6	2,552.55	6	2,894.62	6	3,236.48
1/4	178.67	1/4	521.16	1/4	860.88	1/4	1,191.25	1/4	1,533.36	1/4	1,875.47	1/4	2,217.58	1/4	2,559.68	1/4	2,901.74	1/4	3,243.58
1/2	185.81	1/2	528.29	1/2	867.70	1/2	1,198.37	1/2	1,540.48	1/2	1,882.59	1/2	2,224.70	1/2	2,566.81	1/2	2,908.87	1/2	3,250.69
3/4	192.95	3/4	535.42	3/4	874.51	3/4	1,205.50	3/4	1,547.61	3/4	1,889.72	3/4	2,231.83	3/4	2,573.93	3/4	2,915.99	3/4	3,257.79
7	200.09	7	542.54	7	881.33	7	1,212.63	7	1,554.74	7	1,896.85	7	2,238.96	7	2,581.06	7	2,923.12	7	3,264.90
1/4	207.23	1/4	549.67	1/4	888.15	1/4	1,219.76	1/4	1,561.87	1/4	1,903.98	1/4	2,246.09	1/4	2,588.18	1/4	2,930.26	1/4	3,272.00
1/2	214.37	1/2	556.80	1/2	894.96	1/2	1,226.88	1/2	1,568.99	1/2	1,911.10	1/2	2,253.21	1/2	2,595.31	1/2	2,937.40	1/2	3,279.11
3/4	221.51	3/4	563.93	3/4	901.78	3/4	1,234.01	3/4	1,576.12	3/4	1,918.23	3/4	2,260.34	3/4	2,602.44	3/4	2,944.53	3/4	3,286.22
8	228.65	8	571.06	8	908.60	8	1,241.14	8	1,583.25	8	1,925.36	8	2,267.47	8	2,609.56	8	2,951.67	8	3,293.32
1/4	235.79	1/4	578.19	1/4	915.42	1/4	1,248.26	1/4	1,590.38	1/4	1,932.49	1/4	2,274.60	1/4	2,616.69	1/4	2,958.81	1/4	3,300.43
1/2	242.93	1/2	585.32	1/2	922.23	1/2	1,255.39	1/2	1,597.50	1/2	1,939.61	1/2	2,281.72	1/2	2,623.82	1/2	2,965.95	1/2	3,307.54
3/4	250.07	3/4	592.44	3/4	929.05	3/4	1,262.52	3/4	1,604.63	3/4	1,946.74	3/4	2,288.85	3/4	2,630.94	3/4	2,973.09	3/4	3,314.64
9	257.22	9	599.57	9	935.87	9	1,269.65	9	1,611.76	9	1,953.87	9	2,295.98	9	2,638.07	9	2,980.23	9	3,321.75
1/4	264.36	1/4	606.70	1/4	942.69	1/4	1,276.77	1/4	1,618.88	1/4	1,960.99	1/4	2,303.11	1/4	2,645.19	1/4	2,987.36	1/4	3,328.86
1/2	271.50	1/2	613.83	1/2	949.50	1/2	1,283.90	1/2	1,626.01	1/2	1,968.12	1/2	2,310.23	1/2	2,652.32	1/2	2,994.50	1/2	3,335.96
3/4	278.64	3/4	620.96	3/4	956.32	3/4	1,291.03	3/4	1,633.14	3/4	1,975.25	3/4	2,317.36	3/4	2,659.45	3/4	3,001.64	3/4	3,343.07
10	285.78	10	628.09	10	963.14	10	1,298.16	10	1,640.27	10	1,982.38	10	2,324.49	10	2,666.57	10	3,008.78	10	3,350.18
1/4	292.92	1/4	635.22	1/4	969.95	1/4	1,305.28	1/4	1,647.39	1/4	1,989.50	1/4	2,331.61	1/4	2,673.70	1/4	3,015.92	1/4	3,357.29
1/2	300.06	1/2	642.35	1/2	976.77	1/2	1,312.41	1/2	1,654.52	1/2	1,996.63	1/2	2,338.74	1/2	2,680.83	1/2	3,023.06	1/2	3,364.40
3/4	307.20	3/4	649.47	3/4	983.59	3/4	1,319.54	3/4	1,661.65	3/4	2,003.76	3/4	2,345.87	3/4	2,687.95	3/4	3,030.19	3/4	3,371.51
11	314.34	11	656.60	11	990.41	11	1,326.67	11	1,668.78	11	2,010.89	11	2,353.00	11	2,695.08	11	3,037.33	11	3,378.62
1/4	321.48	1/4	663.73	1/4	997.22	1/4	1,333.79	1/4	1,675.90	1/4	2,018.01	1/4	2,360.12	1/4	2,702.21	1/4	3,044.45	1/4	3,385.73
1/2	328.62	1/2	670.86	1/2	1,004.04	1/2	1,340.92	1/2	1,683.03	1/2	2,025.14	1/2	2,367.25	1/2	2,709.33	1/2	3,051.58	1/2	3,392.84
3/4	335.76	3/4	677.99	3/4	1,010.86	3/4	1,348.05	3/4	1,690.16	3/4	2,032.27	3/4	2,374.38	3/4	2,716.46	3/4	3,058.70	3/4	3,400.00

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 3304"

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	3,384.91	0	3,594.39	0	3,804.44	0	4,014.10	0	4,223.23	0		0		0		0		0	
1/4	3,389.27	1/4	3,598.77	1/4	3,808.81	1/4	4,018.46	1/4	4,227.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,393.63	1/2	3,603.14	1/2	3,813.19	1/2	4,022.82	1/2	4,231.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,397.99	3/4	3,607.52	3/4	3,817.57	3/4	4,027.17	3/4	4,236.30	3/4		3/4		3/4		3/4		3/4	
1	3,402.35	1	3,611.89	1	3,821.94	1	4,031.53	1	4,240.66	1		1		1		1		1	
1/4	3,406.71	1/4	3,616.27	1/4	3,826.32	1/4	4,035.89	1/4	4,245.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,411.07	1/2	3,620.65	1/2	3,830.69	1/2	4,040.24	1/2	4,249.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,415.43	3/4	3,625.02	3/4	3,835.07	3/4	4,044.60	3/4	4,253.73	3/4		3/4		3/4		3/4		3/4	
2	3,419.79	2	3,629.40	2	3,839.45	2	4,048.96	2	4,258.08	2		2		2		2		2	
1/4	3,424.15	1/4	3,633.77	1/4	3,843.82	1/4	4,053.31	1/4	4,262.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,428.51	1/2	3,638.15	1/2	3,848.20	1/2	4,057.67	1/2	4,266.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,432.87	3/4	3,642.53	3/4	3,852.57	3/4	4,062.03	3/4	4,271.15	3/4		3/4		3/4		3/4		3/4	
3	3,437.23	3	3,646.90	3	3,856.95	3	4,066.38	3	4,275.51	3		3		3		3		3	
1/4	3,441.59	1/4	3,651.28	1/4	3,861.33	1/4	4,070.74	1/4	4,279.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,445.95	1/2	3,655.65	1/2	3,865.70	1/2	4,075.10	1/2	4,284.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,450.31	3/4	3,660.03	3/4	3,870.08	3/4	4,079.45	3/4	4,288.50	3/4		3/4		3/4		3/4		3/4	
4	3,454.67	4	3,664.41	4	3,874.45	4	4,083.81	4	4,292.83	4		4		4		4		4	
1/4	3,459.03	1/4	3,668.78	1/4	3,878.83	1/4	4,088.17	1/4	4,297.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,463.40	1/2	3,673.16	1/2	3,883.21	1/2	4,092.53	1/2	4,301.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,467.76	3/4	3,677.53	3/4	3,887.58	3/4	4,096.88	3/4	4,305.82	3/4		3/4		3/4		3/4		3/4	
5	3,472.12	5	3,681.91	5	3,891.96	5	4,101.24	5	4,310.15	5		5		5		5		5	
1/4	3,476.48	1/4	3,686.29	1/4	3,896.33	1/4	4,105.60	1/4	4,314.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,480.84	1/2	3,690.66	1/2	3,900.71	1/2	4,109.95	1/2	4,318.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,485.20	3/4	3,695.04	3/4	3,905.09	3/4	4,114.31	3/4	4,323.12	3/4		3/4		3/4		3/4		3/4	
6	3,489.56	6	3,699.41	6	3,909.46	6	4,118.67	6	4,327.45	6		6		6		6		6	
1/4	3,493.92	1/4	3,703.79	1/4	3,913.84	1/4	4,123.02	1/4	4,331.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,498.28	1/2	3,708.17	1/2	3,918.21	1/2	4,127.38	1/2	4,336.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,502.64	3/4	3,712.54	3/4	3,922.59	3/4	4,131.74	3/4	4,340.39	3/4		3/4		3/4		3/4		3/4	
7	3,507.00	7	3,716.92	7	3,926.97	7	4,136.09	7	4,344.71	7		7		7		7		7	
1/4	3,511.36	1/4	3,721.29	1/4	3,931.32	1/4	4,140.45	1/4	4,348.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,515.72	1/2	3,725.67	1/2	3,935.68	1/2	4,144.81	1/2	4,353.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,520.08	3/4	3,730.05	3/4	3,940.04	3/4	4,149.16	3/4	4,357.49	3/4		3/4		3/4		3/4		3/4	
8	3,524.44	8	3,734.42	8	3,944.39	8	4,153.52	8	4,361.75	8		8		8		8		8	
1/4	3,528.80	1/4	3,738.80	1/4	3,948.75	1/4	4,157.88	1/4	4,365.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,533.16	1/2	3,743.17	1/2	3,953.11	1/2	4,162.23	1/2	4,368.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,537.52	3/4	3,747.55	3/4	3,957.46	3/4	4,166.59	3/4	4,372.06	3/4		3/4		3/4		3/4		3/4	
9	3,541.88	9	3,751.93	9	3,961.82	9	4,170.95	9	4,375.50	9		9		9		9		9	
1/4	3,546.25	1/4	3,756.30	1/4	3,966.18	1/4	4,175.30	1/4	4,377.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,550.63	1/2	3,760.68	1/2	3,970.53	1/2	4,179.66	1/2	4,379.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,555.01	3/4	3,765.05	3/4	3,974.89	3/4	4,184.02	3/4	4,382.24	3/4		3/4		3/4		3/4		3/4	
10	3,559.38	10	3,769.43	10	3,979.25	10	4,188.37	10	4,384.48	10		10		10		10		10	
1/4	3,563.76	1/4	3,773.81	1/4	3,983.61	1/4	4,192.73	1/4	4,386.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,568.13	1/2	3,778.18	1/2	3,987.96	1/2	4,197.09	1/2	4,387.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,572.51	3/4	3,782.56	3/4	3,992.32	3/4	4,201.45	3/4	4,389.61	3/4		3/4		3/4		3/4		3/4	
11	3,576.89	11	3,786.93	11	3,996.68	11	4,205.80	11	4,391.32	11		11		11		11		11	
1/4	3,581.26	1/4	3,791.31	1/4	4,001.03	1/4	4,210.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,585.64	1/2	3,795.69	1/2	4,005.39	1/2	4,214.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,590.01	3/4	3,800.06	3/4	4,009.75	3/4	4,218.87	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

3 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	14.61	0	341.94	0	683.72	0	1,025.14	0	1,366.79	0	1,708.58	0	2,050.37	0	2,392.16	0	2,733.67	0	3,074.58
1/4	19.06	1/4	349.06	1/4	690.84	1/4	1,032.25	1/4	1,373.91	1/4	1,715.70	1/4	2,057.49	1/4	2,399.28	1/4	2,740.77	1/4	3,081.68
1/2	23.51	1/2	356.18	1/2	697.96	1/2	1,039.35	1/2	1,381.04	1/2	1,722.82	1/2	2,064.61	1/2	2,406.40	1/2	2,747.87	1/2	3,088.79
3/4	27.96	3/4	363.30	3/4	705.08	3/4	1,046.46	3/4	1,388.16	3/4	1,729.94	3/4	2,071.73	3/4	2,413.52	3/4	2,754.97	3/4	3,095.89
1	32.41	1	370.42	1	712.20	1	1,053.57	1	1,395.28	1	1,737.07	1	2,078.85	1	2,420.64	1	2,762.08	1	3,102.99
1/4	38.63	1/4	377.54	1/4	719.32	1/4	1,060.67	1/4	1,402.40	1/4	1,744.19	1/4	2,085.97	1/4	2,427.76	1/4	2,769.18	1/4	3,110.09
1/2	44.86	1/2	384.66	1/2	726.44	1/2	1,067.78	1/2	1,409.52	1/2	1,751.31	1/2	2,093.10	1/2	2,434.88	1/2	2,776.28	1/2	3,117.20
3/4	51.09	3/4	391.78	3/4	733.56	3/4	1,074.89	3/4	1,416.64	3/4	1,758.43	3/4	2,100.22	3/4	2,442.00	3/4	2,783.38	3/4	3,124.30
2	57.32	2	398.90	2	740.68	2	1,081.99	2	1,423.76	2	1,765.55	2	2,107.34	2	2,449.13	2	2,790.49	2	3,131.40
1/4	64.41	1/4	406.03	1/4	747.80	1/4	1,089.11	1/4	1,430.88	1/4	1,772.67	1/4	2,114.46	1/4	2,456.25	1/4	2,797.59	1/4	3,138.49
1/2	71.49	1/2	413.15	1/2	754.92	1/2	1,096.22	1/2	1,438.00	1/2	1,779.79	1/2	2,121.58	1/2	2,463.37	1/2	2,804.69	1/2	3,145.57
3/4	78.57	3/4	420.27	3/4	762.04	3/4	1,103.34	3/4	1,445.12	3/4	1,786.91	3/4	2,128.70	3/4	2,470.49	3/4	2,811.79	3/4	3,152.66
3	85.66	3	427.39	3	769.16	3	1,110.45	3	1,452.24	3	1,794.03	3	2,135.82	3	2,477.61	3	2,818.89	3	3,159.74
1/4	92.77	1/4	434.51	1/4	776.28	1/4	1,117.57	1/4	1,459.36	1/4	1,801.15	1/4	2,142.94	1/4	2,484.73	1/4	2,826.00	1/4	3,166.83
1/2	99.88	1/2	441.63	1/2	783.40	1/2	1,124.69	1/2	1,466.48	1/2	1,808.27	1/2	2,150.06	1/2	2,491.85	1/2	2,833.10	1/2	3,173.91
3/4	106.99	3/4	448.75	3/4	790.52	3/4	1,131.81	3/4	1,473.60	3/4	1,815.39	3/4	2,157.18	3/4	2,498.97	3/4	2,840.20	3/4	3,181.00
4	114.10	4	455.87	4	797.64	4	1,138.93	4	1,480.72	4	1,822.51	4	2,164.30	4	2,506.09	4	2,847.30	4	3,188.08
1/4	121.22	1/4	462.99	1/4	804.76	1/4	1,146.06	1/4	1,487.84	1/4	1,829.63	1/4	2,171.42	1/4	2,513.21	1/4	2,854.41	1/4	3,195.17
1/2	128.34	1/2	470.11	1/2	811.88	1/2	1,153.18	1/2	1,494.96	1/2	1,836.75	1/2	2,178.54	1/2	2,520.33	1/2	2,861.51	1/2	3,202.25
3/4	135.45	3/4	477.23	3/4	819.00	3/4	1,160.30	3/4	1,502.09	3/4	1,843.87	3/4	2,185.66	3/4	2,527.45	3/4	2,868.61	3/4	3,209.34
5	142.57	5	484.35	5	826.12	5	1,167.42	5	1,509.21	5	1,850.99	5	2,192.78	5	2,534.57	5	2,875.71	5	3,216.42
1/4	149.69	1/4	491.47	1/4	833.24	1/4	1,174.54	1/4	1,516.33	1/4	1,858.12	1/4	2,199.90	1/4	2,541.70	1/4	2,882.82	1/4	3,223.51
1/2	156.81	1/2	498.59	1/2	840.35	1/2	1,181.66	1/2	1,523.45	1/2	1,865.24	1/2	2,207.02	1/2	2,548.82	1/2	2,889.92	1/2	3,230.59
3/4	163.93	3/4	505.71	3/4	847.47	3/4	1,188.78	3/4	1,530.57	3/4	1,872.36	3/4	2,214.15	3/4	2,555.94	3/4	2,897.02	3/4	3,237.68
6	171.06	6	512.83	6	854.59	6	1,195.90	6	1,537.69	6	1,879.48	6	2,221.27	6	2,563.06	6	2,904.12	6	3,244.76
1/4	178.18	1/4	519.95	1/4	861.69	1/4	1,203.02	1/4	1,544.81	1/4	1,886.60	1/4	2,228.39	1/4	2,570.18	1/4	2,911.23	1/4	3,251.85
1/2	185.30	1/2	527.07	1/2	868.80	1/2	1,210.14	1/2	1,551.93	1/2	1,893.72	1/2	2,235.51	1/2	2,577.30	1/2	2,918.33	1/2	3,258.93
3/4	192.42	3/4	534.19	3/4	875.90	3/4	1,217.26	3/4	1,559.05	3/4	1,900.84	3/4	2,242.63	3/4	2,584.42	3/4	2,925.43	3/4	3,266.02
7	199.54	7	541.31	7	883.01	7	1,224.38	7	1,566.17	7	1,907.96	7	2,249.75	7	2,591.54	7	2,932.53	7	3,273.10
1/4	206.66	1/4	548.43	1/4	890.12	1/4	1,231.50	1/4	1,573.29	1/4	1,915.08	1/4	2,256.87	1/4	2,598.66	1/4	2,939.64	1/4	3,280.19
1/2	213.78	1/2	555.55	1/2	897.22	1/2	1,238.62	1/2	1,580.41	1/2	1,922.20	1/2	2,263.99	1/2	2,605.79	1/2	2,946.74	1/2	3,287.27
3/4	220.90	3/4	562.67	3/4	904.33	3/4	1,245.74	3/4	1,587.53	3/4	1,929.32	3/4	2,271.11	3/4	2,612.91	3/4	2,953.84	3/4	3,294.36
8	228.02	8	569.79	8	911.44	8	1,252.86	8	1,594.65	8	1,936.44	8	2,278.23	8	2,620.03	8	2,960.94	8	3,301.44
1/4	235.14	1/4	576.91	1/4	918.54	1/4	1,259.98	1/4	1,601.77	1/4	1,943.56	1/4	2,285.35	1/4	2,627.13	1/4	2,968.05	1/4	3,308.53
1/2	242.26	1/2	584.03	1/2	925.65	1/2	1,267.11	1/2	1,608.89	1/2	1,950.68	1/2	2,292.47	1/2	2,634.23	1/2	2,975.15	1/2	3,315.61
3/4	249.38	3/4	591.15	3/4	932.76	3/4	1,274.23	3/4	1,616.01	3/4	1,957.80	3/4	2,299.59	3/4	2,641.33	3/4	2,982.25	3/4	3,322.70
9	256.50	9	598.27	9	939.86	9	1,281.35	9	1,623.14	9	1,964.92	9	2,306.71	9	2,648.44	9	2,989.35	9	3,329.78
1/4	263.62	1/4	605.39	1/4	946.97	1/4	1,288.47	1/4	1,630.26	1/4	1,972.04	1/4	2,313.83	1/4	2,655.54	1/4	2,996.45	1/4	3,336.87
1/2	270.74	1/2	612.51	1/2	954.08	1/2	1,295.59	1/2	1,637.38	1/2	1,979.17	1/2	2,320.95	1/2	2,662.64	1/2	3,003.56	1/2	3,343.95
3/4	277.86	3/4	619.63	3/4	961.18	3/4	1,302.71	3/4	1,644.50	3/4	1,986.29	3/4	2,328.07	3/4	2,669.74	3/4	3,010.66	3/4	3,351.04
10	284.98	10	626.75	10	968.29	10	1,309.83	10	1,651.62	10	1,993.41	10	2,335.20	10	2,676.85	10	3,017.76	10	3,358.12
1/4	292.10	1/4	633.87	1/4	975.40	1/4	1,316.95	1/4	1,658.74	1/4	2,000.53	1/4	2,342.32	1/4	2,683.95	1/4	3,024.86	1/4	3,365.21
1/2	299.22	1/2	640.99	1/2	982.50	1/2	1,324.07	1/2	1,665.86	1/2	2,007.65	1/2	2,349.44	1/2	2,691.05	1/2	3,031.97	1/2	3,366.79
3/4	306.34	3/4	648.12	3/4	989.61	3/4	1,331.19	3/4	1,672.98	3/4	2,014.77	3/4	2,356.56	3/4	2,698.15	3/4	3,039.07	3/4	3,371.12
11	313.46	11	655.24	11	996.72	11	1,338.31	11	1,680.10	11	2,021.89	11	2,363.68	11	2,705.26	11	3,046.17	11	3,375.45
1/4	320.58	1/4	662.36	1/4	1,003.82	1/4	1,345.43	1/4	1,687.22	1/4	2,029.01	1/4	2,370.80	1/4	2,712.36	1/4	3,053.27	1/4	3,379.78
1/2	327.70	1/2	669.48	1/2	1,010.93	1/2	1,352.55	1/2	1,694.34	1/2	2,036.13	1/2	2,377.92	1/2	2,719.46	1/2	3,060.38	1/2	3,384.11
3/4	334.82	3/4	676.60	3/4	1,018.03	3/4	1,359.67	3/4	1,701.46	3/4	2,043.25	3/4	2,385.04	3/4	2,726.56	3/4	3,067.48	3/4	3,388.44

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
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BARGE "FMT 3304"

3 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	3,392.77	0	3,602.39	0	3,812.01	0	4,021.24	0	4,229.94	0		0		0		0		0	
1/4	3,397.14	1/4	3,606.76	1/4	3,816.37	1/4	4,025.59	1/4	4,234.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,401.51	1/2	3,611.12	1/2	3,820.74	1/2	4,029.94	1/2	4,238.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,405.87	3/4	3,615.49	3/4	3,825.11	3/4	4,034.28	3/4	4,242.98	3/4		3/4		3/4		3/4		3/4	
1	3,410.24	1	3,619.86	1	3,829.47	1	4,038.63	1	4,247.33	1		1		1		1		1	
1/4	3,414.61	1/4	3,624.22	1/4	3,833.84	1/4	4,042.98	1/4	4,251.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,418.98	1/2	3,628.59	1/2	3,838.21	1/2	4,047.33	1/2	4,256.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,423.34	3/4	3,632.96	3/4	3,842.57	3/4	4,051.68	3/4	4,260.37	3/4		3/4		3/4		3/4		3/4	
2	3,427.71	2	3,637.33	2	3,846.94	2	4,056.02	2	4,264.72	2		2		2		2		2	
1/4	3,432.08	1/4	3,641.69	1/4	3,851.31	1/4	4,060.37	1/4	4,269.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,436.44	1/2	3,646.06	1/2	3,855.68	1/2	4,064.72	1/2	4,273.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,440.81	3/4	3,650.43	3/4	3,860.04	3/4	4,069.07	3/4	4,277.77	3/4		3/4		3/4		3/4		3/4	
3	3,445.18	3	3,654.79	3	3,864.41	3	4,073.41	3	4,282.11	3		3		3		3		3	
1/4	3,449.54	1/4	3,659.16	1/4	3,868.78	1/4	4,077.76	1/4	4,286.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,453.91	1/2	3,663.53	1/2	3,873.14	1/2	4,082.11	1/2	4,290.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,458.28	3/4	3,667.89	3/4	3,877.51	3/4	4,086.46	3/4	4,295.07	3/4		3/4		3/4		3/4		3/4	
4	3,462.65	4	3,672.26	4	3,881.88	4	4,090.81	4	4,299.39	4		4		4		4		4	
1/4	3,467.01	1/4	3,676.63	1/4	3,886.24	1/4	4,095.15	1/4	4,303.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,471.38	1/2	3,681.00	1/2	3,890.61	1/2	4,099.50	1/2	4,308.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,475.75	3/4	3,685.36	3/4	3,894.98	3/4	4,103.85	3/4	4,312.35	3/4		3/4		3/4		3/4		3/4	
5	3,480.11	5	3,689.73	5	3,899.35	5	4,108.20	5	4,316.67	5		5		5		5		5	
1/4	3,484.48	1/4	3,694.10	1/4	3,903.71	1/4	4,112.55	1/4	4,320.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,488.85	1/2	3,698.46	1/2	3,908.08	1/2	4,116.89	1/2	4,325.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,493.21	3/4	3,702.83	3/4	3,912.45	3/4	4,121.24	3/4	4,329.62	3/4		3/4		3/4		3/4		3/4	
6	3,497.58	6	3,707.20	6	3,916.81	6	4,125.59	6	4,333.94	6		6		6		6		6	
1/4	3,501.95	1/4	3,711.56	1/4	3,921.18	1/4	4,129.94	1/4	4,338.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,506.32	1/2	3,715.93	1/2	3,925.55	1/2	4,134.29	1/2	4,342.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,510.68	3/4	3,720.30	3/4	3,929.91	3/4	4,138.63	3/4	4,346.86	3/4		3/4		3/4		3/4		3/4	
7	3,515.05	7	3,724.67	7	3,934.28	7	4,142.98	7	4,351.16	7		7		7		7		7	
1/4	3,519.42	1/4	3,729.03	1/4	3,938.63	1/4	4,147.33	1/4	4,355.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,523.78	1/2	3,733.40	1/2	3,942.98	1/2	4,151.68	1/2	4,359.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,528.15	3/4	3,737.77	3/4	3,947.33	3/4	4,156.02	3/4	4,363.92	3/4		3/4		3/4		3/4		3/4	
8	3,532.52	8	3,742.13	8	3,951.67	8	4,160.37	8	4,368.17	8		8		8		8		8	
1/4	3,536.88	1/4	3,746.50	1/4	3,956.02	1/4	4,164.72	1/4	4,371.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,541.25	1/2	3,750.87	1/2	3,960.37	1/2	4,169.07	1/2	4,375.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,545.62	3/4	3,755.23	3/4	3,964.72	3/4	4,173.42	3/4	4,378.46	3/4		3/4		3/4		3/4		3/4	
9	3,549.99	9	3,759.60	9	3,969.07	9	4,177.76	9	4,381.89	9		9		9		9		9	
1/4	3,554.35	1/4	3,763.97	1/4	3,973.41	1/4	4,182.11	1/4	4,384.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,558.72	1/2	3,768.34	1/2	3,977.76	1/2	4,186.46	1/2	4,386.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,563.09	3/4	3,772.70	3/4	3,982.11	3/4	4,190.81	3/4	4,388.62	3/4		3/4		3/4		3/4		3/4	
10	3,567.45	10	3,777.07	10	3,986.46	10	4,195.16	10	4,390.87	10		10		10		10		10	
1/4	3,571.82	1/4	3,781.44	1/4	3,990.80	1/4	4,199.50	1/4	4,392.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,576.19	1/2	3,785.80	1/2	3,995.15	1/2	4,203.85	1/2	4,394.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,580.55	3/4	3,790.17	3/4	3,999.50	3/4	4,208.20	3/4	4,395.99	3/4		3/4		3/4		3/4		3/4	
11	3,584.92	11	3,794.54	11	4,003.85	11	4,212.55	11	4,397.69	11		11		11		11		11	
1/4	3,589.29	1/4	3,798.90	1/4	4,008.20	1/4	4,216.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,593.66	1/2	3,803.27	1/2	4,012.54	1/2	4,221.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,598.02	3/4	3,807.64	3/4	4,016.89	3/4	4,225.59	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 SW

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Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3304"

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	00-1/8	- 00-1/8	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 8, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

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BARGE "FMT 3304"

1 PORT 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	4,871.03	0	4,529.96	0	4,188.29	0	3,845.35	0	3,502.44	0	3,159.59	0	2,816.69	0	2,473.74		
1/4		1/4		1/4	4,863.97	1/4	4,522.85	1/4	4,181.15	1/4	3,838.21	1/4	3,495.30	1/4	3,152.44	1/4	2,809.54	1/4	2,466.59		
1/2		1/2		1/2	4,856.90	1/2	4,515.74	1/2	4,174.00	1/2	3,831.06	1/2	3,488.15	1/2	3,145.30	1/2	2,802.40	1/2	2,459.45		
3/4		3/4		3/4	4,849.83	3/4	4,508.63	3/4	4,166.86	3/4	3,823.92	3/4	3,481.01	3/4	3,138.16	3/4	2,795.26	3/4	2,452.30		
1		1		1	4,842.76	1	4,501.52	1	4,159.71	1	3,816.77	1	3,473.87	1	3,131.01	1	2,788.11	1	2,445.16		
1/4		1/4		1/4	4,835.70	1/4	4,494.40	1/4	4,152.57	1/4	3,809.63	1/4	3,466.73	1/4	3,123.87	1/4	2,780.97	1/4	2,438.01		
1/2		1/2		1/2	4,828.63	1/2	4,487.29	1/2	4,145.42	1/2	3,802.48	1/2	3,459.58	1/2	3,116.73	1/2	2,773.82	1/2	2,430.87		
3/4		3/4		3/4	4,821.56	3/4	4,480.18	3/4	4,138.28	3/4	3,795.34	3/4	3,452.44	3/4	3,109.59	3/4	2,766.68	3/4	2,423.72		
2		2		2	4,814.45	2	4,473.07	2	4,131.13	2	3,788.19	2	3,445.30	2	3,102.44	2	2,759.53	2	2,416.58		
1/4		1/4		1/4	4,807.34	1/4	4,465.96	1/4	4,123.99	1/4	3,781.05	1/4	3,438.15	1/4	3,095.30	1/4	2,752.39	1/4	2,409.43		
1/2		1/2		1/2	4,800.22	1/2	4,458.84	1/2	4,116.84	1/2	3,773.90	1/2	3,431.01	1/2	3,088.16	1/2	2,745.24	1/2	2,402.29		
3/4		3/4		3/4	4,793.11	3/4	4,451.73	3/4	4,109.70	3/4	3,766.76	3/4	3,423.87	3/4	3,081.01	3/4	2,738.10	3/4	2,395.14		
3		3		3	4,786.00	3	4,444.62	3	4,102.56	3	3,759.61	3	3,416.73	3	3,073.87	3	2,730.95	3	2,388.00		
1/4		1/4		1/4	4,778.89	1/4	4,437.51	1/4	4,095.41	1/4	3,752.47	1/4	3,409.58	1/4	3,066.73	1/4	2,723.81	1/4	2,380.85		
1/2		1/2		1/2	4,771.78	1/2	4,430.39	1/2	4,088.27	1/2	3,745.33	1/2	3,402.44	1/2	3,059.59	1/2	2,716.67	1/2	2,373.71		
3/4		3/4		3/4	4,764.66	3/4	4,423.28	3/4	4,081.12	3/4	3,738.18	3/4	3,395.30	3/4	3,052.44	3/4	2,709.52	3/4	2,366.56		
4		4		4	4,757.55	4	4,416.17	4	4,073.98	4	3,731.04	4	3,388.16	4	3,045.30	4	2,702.38	4	2,359.41		
1/4		1/4		1/4	4,750.44	1/4	4,409.06	1/4	4,066.83	1/4	3,723.89	1/4	3,381.01	1/4	3,038.16	1/4	2,695.23	1/4	2,352.27		
1/2		1/2		1/2	4,743.33	1/2	4,401.95	1/2	4,059.69	1/2	3,716.75	1/2	3,373.87	1/2	3,031.02	1/2	2,688.09	1/2	2,345.12		
3/4		3/4		3/4	4,736.22	3/4	4,394.83	3/4	4,052.54	3/4	3,709.60	3/4	3,366.73	3/4	3,023.87	3/4	2,680.94	3/4	2,337.98		
5		5		5	4,729.10	5	4,387.72	5	4,045.40	5	3,702.46	5	3,359.58	5	3,016.73	5	2,673.80	5	2,330.83		
1/4		1/4		1/4	4,721.99	1/4	4,380.61	1/4	4,038.25	1/4	3,695.31	1/4	3,352.44	1/4	3,009.59	1/4	2,666.65	1/4	2,323.69		
1/2		1/2		1/2	4,714.88	1/2	4,373.50	1/2	4,031.11	1/2	3,688.17	1/2	3,345.30	1/2	3,002.44	1/2	2,659.51	1/2	2,316.54		
3/4		3/4		3/4	5,022.37	3/4	4,707.77	3/4	4,366.39	3/4	4,023.97	3/4	3,681.02	3/4	3,338.16	3/4	2,995.30	3/4	2,309.40		
6		6		6	5,018.58	6	4,700.65	6	4,359.27	6	4,016.82	6	3,673.88	6	3,331.01	6	2,988.16	6	2,645.22	6	2,302.25
1/4		1/4		1/4	5,014.79	1/4	4,693.54	1/4	4,352.16	1/4	4,009.68	1/4	3,666.74	1/4	3,323.87	1/4	2,981.01	1/4	2,638.08	1/4	2,295.11
1/2		1/2		1/2	5,010.99	1/2	4,686.43	1/2	4,345.05	1/2	4,002.53	1/2	3,659.59	1/2	3,316.73	1/2	2,973.87	1/2	2,630.93	1/2	2,287.96
3/4		3/4		3/4	5,007.20	3/4	4,679.32	3/4	4,337.94	3/4	3,995.39	3/4	3,652.45	3/4	3,309.58	3/4	2,966.72	3/4	2,623.79	3/4	2,280.82
7		7		7	5,002.22	7	4,672.21	7	4,330.83	7	3,988.24	7	3,645.30	7	3,302.44	7	2,959.58	7	2,616.64	7	2,273.67
1/4		1/4		1/4	4,997.23	1/4	4,665.09	1/4	4,323.71	1/4	3,981.10	1/4	3,638.16	1/4	3,295.30	1/4	2,952.43	1/4	2,609.50	1/4	2,266.53
1/2		1/2		1/2	4,992.25	1/2	4,657.98	1/2	4,316.60	1/2	3,973.95	1/2	3,631.01	1/2	3,288.16	1/2	2,945.29	1/2	2,602.35	1/2	2,259.38
3/4		3/4		3/4	4,987.27	3/4	4,650.87	3/4	4,309.49	3/4	3,966.81	3/4	3,623.87	3/4	3,281.01	3/4	2,938.15	3/4	2,595.21	3/4	2,252.24
8		8		8	4,981.09	8	4,643.76	8	4,302.38	8	3,959.66	8	3,616.72	8	3,273.87	8	2,931.00	8	2,588.06	8	2,245.09
1/4		1/4		1/4	4,974.92	1/4	4,636.65	1/4	4,295.26	1/4	3,952.52	1/4	3,609.58	1/4	3,266.73	1/4	2,923.86	1/4	2,580.92	1/4	2,237.95
1/2		1/2		1/2	4,968.75	1/2	4,629.53	1/2	4,288.15	1/2	3,945.37	1/2	3,602.44	1/2	3,259.58	1/2	2,916.71	1/2	2,573.77	1/2	2,230.80
3/4		3/4		3/4	4,962.57	3/4	4,622.42	3/4	4,281.04	3/4	3,938.23	3/4	3,595.30	3/4	3,252.44	3/4	2,909.57	3/4	2,566.63	3/4	2,223.66
9		9		9	4,955.57	9	4,615.31	9	4,273.93	9	3,931.09	9	3,588.15	9	3,245.30	9	2,902.42	9	2,559.48	9	2,216.51
1/4		1/4		1/4	4,948.58	1/4	4,608.20	1/4	4,266.82	1/4	3,923.94	1/4	3,581.01	1/4	3,238.16	1/4	2,895.28	1/4	2,552.34	1/4	2,209.37
1/2		1/2		1/2	4,941.58	1/2	4,601.09	1/2	4,259.70	1/2	3,916.80	1/2	3,573.87	1/2	3,231.01	1/2	2,888.13	1/2	2,545.19	1/2	2,202.22
3/4		3/4		3/4	4,934.58	3/4	4,593.97	3/4	4,252.59	3/4	3,909.65	3/4	3,566.73	3/4	3,223.87	3/4	2,880.99	3/4	2,538.04	3/4	2,195.08
10		10		10	4,927.53	10	4,586.86	10	4,245.45	10	3,902.51	10	3,559.58	10	3,216.73	10	2,873.84	10	2,530.90	10	2,187.93
1/4		1/4		1/4	4,920.47	1/4	4,579.75	1/4	4,238.30	1/4	3,895.36	1/4	3,552.44	1/4	3,209.59	1/4	2,866.70	1/4	2,523.75	1/4	2,180.78
1/2		1/2		1/2	4,913.42	1/2	4,572.64	1/2	4,231.16	1/2	3,888.22	1/2	3,545.30	1/2	3,202.44	1/2	2,859.56	1/2	2,516.61	1/2	2,173.64
3/4		3/4		3/4	4,906.37	3/4	4,565.52	3/4	4,224.01	3/4	3,881.07	3/4	3,538.15	3/4	3,195.30	3/4	2,852.41	3/4	2,509.46	3/4	2,166.49
11		11		11	4,899.30	11	4,558.41	11	4,216.87	11	3,873.93	11	3,531.01	11	3,188.16	11	2,845.27	11	2,502.32	11	2,159.35
1/4		1/4		1/4	4,892.23	1/4	4,551.30	1/4	4,209.72	1/4	3,866.78	1/4	3,523.87	1/4	3,181.01	1/4	2,838.12	1/4	2,495.17	1/4	2,152.20
1/2		1/2		1/2	4,885.17	1/2	4,544.19	1/2	4,202.58	1/2	3,859.64	1/2	3,516.73	1/2	3,173.87	1/2	2,830.98	1/2	2,488.03	1/2	2,145.06
3/4		3/4		3/4	4,878.10	3/4	4,537.08	3/4	4,195.44	3/4	3,852.49	3/4	3,509.58	3/4	3,166.73	3/4	2,823.83	3/4	2,480.88	3/4	2,137.91

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 3304"

1 PORT 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	2,130.77	0	1,787.80	0	1,444.83	0	1,101.86	0	761.42	0	419.48	0	109.58	0		0		0	
1/4	2,123.62	1/4	1,780.65	1/4	1,437.68	1/4	1,094.71	1/4	754.31	1/4	412.55	1/4	103.65	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,116.48	1/2	1,773.51	1/2	1,430.54	1/2	1,087.57	1/2	747.20	1/2	405.61	1/2	97.72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,109.33	3/4	1,766.36	3/4	1,423.39	3/4	1,080.42	3/4	740.09	3/4	398.67	3/4	91.79	3/4	3/4	3/4	3/4	3/4	3/4
1	2,102.19	1	1,759.22	1	1,416.25	1	1,073.31	1	732.94	1	391.82	1	85.94	1	1	1	1	1	1
1/4	2,095.04	1/4	1,752.07	1/4	1,409.10	1/4	1,066.20	1/4	725.80	1/4	384.97	1/4	80.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,087.90	1/2	1,744.93	1/2	1,401.96	1/2	1,059.09	1/2	718.65	1/2	378.11	1/2	74.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,080.75	3/4	1,737.78	3/4	1,394.81	3/4	1,051.98	3/4	711.51	3/4	371.26	3/4	68.42	3/4	3/4	3/4	3/4	3/4	3/4
2	2,073.61	2	1,730.64	2	1,387.67	2	1,044.89	2	704.36	2	364.49	2	62.69	2	2	2	2	2	2
1/4	2,066.46	1/4	1,723.49	1/4	1,380.52	1/4	1,037.79	1/4	697.22	1/4	357.72	1/4	56.96	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,059.32	1/2	1,716.35	1/2	1,373.38	1/2	1,030.70	1/2	690.07	1/2	350.95	1/2	51.23	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,052.17	3/4	1,709.20	3/4	1,366.23	3/4	1,023.61	3/4	682.93	3/4	344.18	3/4	45.50	3/4	3/4	3/4	3/4	3/4	3/4
3	2,045.03	3	1,702.06	3	1,359.09	3	1,016.52	3	675.78	3	337.50	3	40.71	3	3	3	3	3	3
1/4	2,037.88	1/4	1,694.91	1/4	1,351.94	1/4	1,009.44	1/4	668.64	1/4	330.81	1/4	35.92	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,030.74	1/2	1,687.77	1/2	1,344.80	1/2	1,002.35	1/2	661.49	1/2	324.13	1/2	31.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,023.59	3/4	1,680.62	3/4	1,337.65	3/4	995.27	3/4	654.35	3/4	317.44	3/4	26.34	3/4	3/4	3/4	3/4	3/4	3/4
4	2,016.45	4	1,673.48	4	1,330.51	4	988.18	4	647.20	4	310.84	4	23.42	4	4	4	4	4	4
1/4	2,009.30	1/4	1,666.33	1/4	1,323.36	1/4	981.10	1/4	640.06	1/4	304.24	1/4	20.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,002.15	1/2	1,659.19	1/2	1,316.22	1/2	974.02	1/2	632.91	1/2	297.63	1/2	17.58	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,995.01	3/4	1,652.04	3/4	1,309.07	3/4	966.93	3/4	625.77	3/4	291.03	3/4	14.66	3/4	3/4	3/4	3/4	3/4	3/4
5	1,987.86	5	1,644.89	5	1,301.93	5	959.85	5	618.62	5	284.51	5		5	5	5	5	5	5
1/4	1,980.72	1/4	1,637.75	1/4	1,294.78	1/4	952.76	1/4	611.48	1/4	277.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,973.57	1/2	1,630.60	1/2	1,287.63	1/2	945.68	1/2	604.33	1/2	271.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,966.43	3/4	1,623.46	3/4	1,280.49	3/4	938.59	3/4	597.19	3/4	264.96	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,959.28	6	1,616.31	6	1,273.34	6	931.51	6	590.04	6	258.52	6		6	6	6	6	6	6
1/4	1,952.14	1/4	1,609.17	1/4	1,266.20	1/4	924.42	1/4	582.90	1/4	252.09	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,944.99	1/2	1,602.02	1/2	1,259.05	1/2	917.34	1/2	575.75	1/2	245.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,937.85	3/4	1,594.88	3/4	1,251.91	3/4	910.25	3/4	568.61	3/4	239.22	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,930.70	7	1,587.73	7	1,244.76	7	903.17	7	561.46	7	232.86	7		7	7	7	7	7	7
1/4	1,923.56	1/4	1,580.59	1/4	1,237.62	1/4	896.08	1/4	554.32	1/4	226.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,916.41	1/2	1,573.44	1/2	1,230.47	1/2	889.00	1/2	547.17	1/2	220.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,909.27	3/4	1,566.30	3/4	1,223.33	3/4	881.91	3/4	540.03	3/4	213.81	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,902.12	8	1,559.15	8	1,216.18	8	874.83	8	532.88	8	207.54	8		8	8	8	8	8	8
1/4	1,894.98	1/4	1,552.01	1/4	1,209.04	1/4	867.74	1/4	525.74	1/4	201.27	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,887.83	1/2	1,544.86	1/2	1,201.89	1/2	860.66	1/2	518.59	1/2	195.00	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,880.69	3/4	1,537.72	3/4	1,194.75	3/4	853.58	3/4	511.45	3/4	188.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,873.54	9	1,530.57	9	1,187.60	9	846.49	9	504.30	9	182.55	9		9	9	9	9	9	9
1/4	1,866.40	1/4	1,523.43	1/4	1,180.46	1/4	839.41	1/4	497.16	1/4	176.36	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,859.25	1/2	1,516.28	1/2	1,173.31	1/2	832.32	1/2	490.01	1/2	170.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,852.11	3/4	1,509.14	3/4	1,166.17	3/4	825.24	3/4	482.87	3/4	163.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,844.96	10	1,501.99	10	1,159.02	10	818.15	10	475.77	10	157.89	10		10	10	10	10	10	10
1/4	1,837.82	1/4	1,494.85	1/4	1,151.88	1/4	811.07	1/4	468.67	1/4	151.79	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,830.67	1/2	1,487.70	1/2	1,144.73	1/2	803.98	1/2	461.57	1/2	145.69	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,823.52	3/4	1,480.56	3/4	1,137.59	3/4	796.90	3/4	454.48	3/4	139.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,816.38	11	1,473.41	11	1,130.44	11	789.81	11	447.46	11	133.57	11		11	11	11	11	11	11
1/4	1,809.23	1/4	1,466.26	1/4	1,123.30	1/4	782.71	1/4	440.45	1/4	127.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,802.09	1/2	1,459.12	1/2	1,116.15	1/2	775.62	1/2	433.43	1/2	121.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,794.94	3/4	1,451.97	3/4	1,109.00	3/4	768.53	3/4	426.42	3/4	115.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

1 STBD 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	4,892.09	0	4,550.80	0	4,208.87	0	3,865.60	0	3,522.36	0	3,179.19	0	2,835.97	0	2,492.70
1/4		1/4		1/4	4,885.02	1/4	4,543.68	1/4	4,201.72	1/4	3,858.45	1/4	3,515.21	1/4	3,172.04	1/4	2,828.82	1/4	2,485.54
1/2		1/2		1/2	4,877.95	1/2	4,536.56	1/2	4,194.57	1/2	3,851.30	1/2	3,508.06	1/2	3,164.89	1/2	2,821.67	1/2	2,478.39
3/4		3/4		3/4	4,870.87	3/4	4,529.44	3/4	4,187.41	3/4	3,844.15	3/4	3,500.91	3/4	3,157.74	3/4	2,814.51	3/4	2,471.24
1		1		1	4,863.80	1	4,522.32	1	4,180.26	1	3,837.00	1	3,493.76	1	3,150.59	1	2,807.36	1	2,464.09
1/4		1/4		1/4	4,856.73	1/4	4,515.20	1/4	4,173.11	1/4	3,829.84	1/4	3,486.61	1/4	3,143.44	1/4	2,800.21	1/4	2,456.94
1/2		1/2		1/2	4,849.65	1/2	4,508.09	1/2	4,165.96	1/2	3,822.69	1/2	3,479.47	1/2	3,136.29	1/2	2,793.06	1/2	2,449.78
3/4		3/4		3/4	4,842.58	3/4	4,500.97	3/4	4,158.81	3/4	3,815.54	3/4	3,472.32	3/4	3,129.14	3/4	2,785.91	3/4	2,442.63
2		2		2	4,835.51	2	4,493.85	2	4,151.66	2	3,808.39	2	3,465.17	2	3,121.99	2	2,778.76	2	2,435.48
1/4		1/4		1/4	4,828.43	1/4	4,486.73	1/4	4,144.51	1/4	3,801.24	1/4	3,458.02	1/4	3,114.84	1/4	2,771.61	1/4	2,428.33
1/2		1/2		1/2	4,821.31	1/2	4,479.61	1/2	4,137.35	1/2	3,794.09	1/2	3,450.87	1/2	3,107.69	1/2	2,764.46	1/2	2,421.18
3/4		3/4		3/4	4,814.19	3/4	4,472.49	3/4	4,130.20	3/4	3,786.94	3/4	3,443.72	3/4	3,100.54	3/4	2,757.30	3/4	2,414.02
3		3		3	4,807.08	3	4,465.37	3	4,123.05	3	3,779.78	3	3,436.57	3	3,093.39	3	2,750.15	3	2,406.87
1/4		1/4		1/4	4,799.96	1/4	4,458.25	1/4	4,115.90	1/4	3,772.63	1/4	3,429.42	1/4	3,086.24	1/4	2,743.00	1/4	2,399.72
1/2		1/2		1/2	4,792.84	1/2	4,451.14	1/2	4,108.75	1/2	3,765.48	1/2	3,422.27	1/2	3,079.09	1/2	2,735.85	1/2	2,392.57
3/4		3/4		3/4	4,785.72	3/4	4,444.02	3/4	4,101.60	3/4	3,758.33	3/4	3,415.12	3/4	3,071.94	3/4	2,728.70	3/4	2,385.42
4		4		4	4,778.60	4	4,436.90	4	4,094.45	4	3,751.18	4	3,407.97	4	3,064.79	4	2,721.55	4	2,378.26
1/4		1/4		1/4	4,771.48	1/4	4,429.78	1/4	4,087.29	1/4	3,744.03	1/4	3,400.82	1/4	3,057.64	1/4	2,714.40	1/4	2,371.11
1/2		1/2		1/2	4,764.36	1/2	4,422.66	1/2	4,080.14	1/2	3,736.88	1/2	3,393.67	1/2	3,050.50	1/2	2,707.25	1/2	2,363.96
3/4		3/4		3/4	4,757.24	3/4	4,415.54	3/4	4,072.99	3/4	3,729.72	3/4	3,386.52	3/4	3,043.35	3/4	2,700.09	3/4	2,356.81
5		5		5	4,750.13	5	4,408.42	5	4,065.84	5	3,722.57	5	3,379.37	5	3,036.20	5	2,692.94	5	2,349.66
1/4		1/4		1/4	4,743.01	1/4	4,401.30	1/4	4,058.69	1/4	3,715.42	1/4	3,372.22	1/4	3,029.05	1/4	2,685.79	1/4	2,342.51
1/2		1/2		1/2	4,735.89	1/2	4,394.19	1/2	4,051.54	1/2	3,708.27	1/2	3,365.07	1/2	3,021.90	1/2	2,678.64	1/2	2,335.35
3/4		3/4		3/4	4,728.77	3/4	4,387.07	3/4	4,044.39	3/4	3,701.12	3/4	3,357.92	3/4	3,014.75	3/4	2,671.49	3/4	2,328.20
6		6		6	4,721.65	6	4,379.95	6	4,037.23	6	3,693.97	6	3,350.77	6	3,007.60	6	2,664.34	6	2,321.05
1/4		1/4	5,029.42	1/4	4,714.53	1/4	4,372.83	1/4	4,030.08	1/4	3,686.82	1/4	3,343.62	1/4	3,000.45	1/4	2,657.19	1/4	2,313.90
1/2		1/2	5,025.62	1/2	4,707.41	1/2	4,365.71	1/2	4,022.93	1/2	3,679.66	1/2	3,336.48	1/2	2,993.30	1/2	2,650.04	1/2	2,306.75
3/4		3/4	5,021.83	3/4	4,700.29	3/4	4,358.59	3/4	4,015.78	3/4	3,672.51	3/4	3,329.33	3/4	2,986.15	3/4	2,642.88	3/4	2,299.59
7		7	5,018.03	7	4,693.17	7	4,351.47	7	4,008.63	7	3,665.36	7	3,322.18	7	2,978.99	7	2,635.73	7	2,292.44
1/4		1/4	5,014.24	1/4	4,686.06	1/4	4,344.35	1/4	4,001.48	1/4	3,658.21	1/4	3,315.03	1/4	2,971.84	1/4	2,628.58	1/4	2,285.29
1/2		1/2	5,009.25	1/2	4,678.94	1/2	4,337.23	1/2	3,994.33	1/2	3,651.06	1/2	3,307.88	1/2	2,964.69	1/2	2,621.43	1/2	2,278.14
3/4		3/4	5,004.26	3/4	4,671.82	3/4	4,330.12	3/4	3,987.17	3/4	3,643.91	3/4	3,300.73	3/4	2,957.54	3/4	2,614.28	3/4	2,270.99
8		8	4,999.27	8	4,664.70	8	4,323.00	8	3,980.02	8	3,636.76	8	3,293.58	8	2,950.39	8	2,607.13	8	2,263.83
1/4		1/4	4,994.29	1/4	4,657.58	1/4	4,315.88	1/4	3,972.87	1/4	3,629.60	1/4	3,286.43	1/4	2,943.24	1/4	2,599.97	1/4	2,256.68
1/2		1/2	4,988.11	1/2	4,650.46	1/2	4,308.76	1/2	3,965.72	1/2	3,622.46	1/2	3,279.28	1/2	2,936.09	1/2	2,592.82	1/2	2,249.53
3/4		3/4	4,981.93	3/4	4,643.34	3/4	4,301.64	3/4	3,958.57	3/4	3,615.31	3/4	3,272.13	3/4	2,928.94	3/4	2,585.67	3/4	2,242.38
9		9	4,975.75	9	4,636.22	9	4,294.52	9	3,951.42	9	3,608.16	9	3,264.98	9	2,921.78	9	2,578.52	9	2,235.23
1/4		1/4	4,969.57	1/4	4,629.11	1/4	4,287.40	1/4	3,944.27	1/4	3,601.01	1/4	3,257.83	1/4	2,914.63	1/4	2,571.37	1/4	2,228.07
1/2		1/2	4,962.56	1/2	4,621.99	1/2	4,280.28	1/2	3,937.11	1/2	3,593.86	1/2	3,250.68	1/2	2,907.48	1/2	2,564.21	1/2	2,220.92
3/4		3/4	4,955.56	3/4	4,614.87	3/4	4,273.17	3/4	3,929.96	3/4	3,586.71	3/4	3,243.53	3/4	2,900.33	3/4	2,557.06	3/4	2,213.77
10		10	4,948.55	10	4,607.75	10	4,266.05	10	3,922.81	10	3,579.56	10	3,236.38	10	2,893.18	10	2,549.91	10	2,206.62
1/4		1/4	4,941.55	1/4	4,600.63	1/4	4,258.93	1/4	3,915.66	1/4	3,572.41	1/4	3,229.23	1/4	2,886.03	1/4	2,542.76	1/4	2,199.47
1/2		1/2	4,934.49	1/2	4,593.51	1/2	4,251.78	1/2	3,908.51	1/2	3,565.26	1/2	3,222.08	1/2	2,878.88	1/2	2,535.61	1/2	2,192.32
3/4		3/4	4,927.43	3/4	4,586.39	3/4	4,244.63	3/4	3,901.36	3/4	3,558.11	3/4	3,214.93	3/4	2,871.73	3/4	2,528.45	3/4	2,185.16
11		11	4,920.37	11	4,579.27	11	4,237.47	11	3,894.21	11	3,550.96	11	3,207.78	11	2,864.57	11	2,521.30	11	2,178.01
1/4		1/4	4,913.31	1/4	4,572.16	1/4	4,230.32	1/4	3,887.06	1/4	3,543.81	1/4	3,200.63	1/4	2,857.42	1/4	2,514.15	1/4	2,170.86
1/2		1/2	4,906.24	1/2	4,565.04	1/2	4,223.17	1/2	3,879.90	1/2	3,536.66	1/2	3,193.49	1/2	2,850.27	1/2	2,507.00	1/2	2,163.71
3/4		3/4	4,899.16	3/4	4,557.92	3/4	4,216.02	3/4	3,872.75	3/4	3,529.51	3/4	3,186.34	3/4	2,843.12	3/4	2,499.85	3/4	2,156.56

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 3304"

1 STBD
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	2,149.40	0	1,806.11	0	1,462.82	0	1,119.53	0	776.53	0	433.80	0	121.63	0		0			
1/4	2,142.25	1/4	1,798.96	1/4	1,455.67	1/4	1,112.38	1/4	769.38	1/4	426.77	1/4	115.60	1/4	1/4				
1/2	2,135.10	1/2	1,791.81	1/2	1,448.52	1/2	1,105.23	1/2	762.23	1/2	419.83	1/2	109.67	1/2	1/2				
3/4	2,127.95	3/4	1,784.66	3/4	1,441.37	3/4	1,098.07	3/4	755.08	3/4	412.89	3/4	103.73	3/4	3/4				
1	2,120.80	1	1,777.51	1	1,434.21	1	1,090.92	1	747.92	1	405.94	1	97.79	1	1				
1/4	2,113.64	1/4	1,770.35	1/4	1,427.06	1/4	1,083.77	1/4	740.77	1/4	399.00	1/4	91.85	1/4	1/4				
1/2	2,106.49	1/2	1,763.20	1/2	1,419.91	1/2	1,076.62	1/2	733.62	1/2	392.14	1/2	86.01	1/2	1/2				
3/4	2,099.34	3/4	1,756.05	3/4	1,412.76	3/4	1,069.47	3/4	726.47	3/4	385.28	3/4	80.16	3/4	3/4				
2	2,092.19	2	1,748.90	2	1,405.61	2	1,062.32	2	719.32	2	378.42	2	74.32	2	2				
1/4	2,085.04	1/4	1,741.75	1/4	1,398.45	1/4	1,055.16	1/4	712.17	1/4	371.56	1/4	68.47	1/4	1/4				
1/2	2,077.88	1/2	1,734.59	1/2	1,391.30	1/2	1,048.01	1/2	705.01	1/2	364.79	1/2	62.74	1/2	1/2				
3/4	2,070.73	3/4	1,727.44	3/4	1,384.15	3/4	1,040.86	3/4	697.86	3/4	358.01	3/4	57.00	3/4	3/4				
3	2,063.58	3	1,720.29	3	1,377.00	3	1,033.71	3	690.71	3	351.24	3	51.27	3	3				
1/4	2,056.43	1/4	1,713.14	1/4	1,369.85	1/4	1,026.56	1/4	683.56	1/4	344.46	1/4	45.53	1/4	1/4				
1/2	2,049.28	1/2	1,705.99	1/2	1,362.69	1/2	1,019.42	1/2	676.41	1/2	337.77	1/2	40.74	1/2	1/2				
3/4	2,042.13	3/4	1,698.83	3/4	1,355.54	3/4	1,012.27	3/4	669.26	3/4	331.08	3/4	35.95	3/4	3/4				
4	2,034.97	4	1,691.68	4	1,348.39	4	1,005.13	4	662.10	4	324.39	4	31.15	4	4				
1/4	2,027.82	1/4	1,684.53	1/4	1,341.24	1/4	997.99	1/4	654.95	1/4	317.70	1/4	26.36	1/4	1/4				
1/2	2,020.67	1/2	1,677.38	1/2	1,334.09	1/2	990.84	1/2	647.80	1/2	311.09	1/2	23.44	1/2	1/2				
3/4	2,013.52	3/4	1,670.23	3/4	1,326.94	3/4	983.70	3/4	640.65	3/4	304.48	3/4	20.52	3/4	3/4				
5	2,006.37	5	1,663.07	5	1,319.78	5	976.56	5	633.50	5	297.87	5	17.59	5	5				
1/4	1,999.21	1/4	1,655.92	1/4	1,312.63	1/4	969.41	1/4	626.35	1/4	291.26	1/4	14.67	1/4	1/4				
1/2	1,992.06	1/2	1,648.77	1/2	1,305.48	1/2	962.27	1/2	619.20	1/2	284.74	1/2		1/2	1/2				
3/4	1,984.91	3/4	1,641.62	3/4	1,298.33	3/4	955.13	3/4	612.04	3/4	278.21	3/4		3/4	3/4				
6	1,977.76	6	1,634.47	6	1,291.18	6	947.99	6	604.89	6	271.69	6		6	6				
1/4	1,970.61	1/4	1,627.32	1/4	1,284.02	1/4	940.84	1/4	597.74	1/4	265.17	1/4		1/4	1/4				
1/2	1,963.45	1/2	1,620.16	1/2	1,276.87	1/2	933.70	1/2	590.59	1/2	258.73	1/2		1/2	1/2				
3/4	1,956.30	3/4	1,613.01	3/4	1,269.72	3/4	926.56	3/4	583.44	3/4	252.28	3/4		3/4	3/4				
7	1,949.15	7	1,605.86	7	1,262.57	7	919.41	7	576.29	7	245.84	7		7	7				
1/4	1,942.00	1/4	1,598.71	1/4	1,255.42	1/4	912.27	1/4	569.13	1/4	239.40	1/4		1/4	1/4				
1/2	1,934.85	1/2	1,591.56	1/2	1,248.26	1/2	905.13	1/2	561.98	1/2	233.05	1/2		1/2	1/2				
3/4	1,927.69	3/4	1,584.40	3/4	1,241.11	3/4	897.98	3/4	554.83	3/4	226.69	3/4		3/4	3/4				
8	1,920.54	8	1,577.25	8	1,233.96	8	890.84	8	547.68	8	220.33	8		8	8				
1/4	1,913.39	1/4	1,570.10	1/4	1,226.81	1/4	883.70	1/4	540.53	1/4	213.97	1/4		1/4	1/4				
1/2	1,906.24	1/2	1,562.95	1/2	1,219.66	1/2	876.56	1/2	533.38	1/2	207.70	1/2		1/2	1/2				
3/4	1,899.09	3/4	1,555.80	3/4	1,212.50	3/4	869.41	3/4	526.22	3/4	201.43	3/4		3/4	3/4				
9	1,891.94	9	1,548.64	9	1,205.35	9	862.27	9	519.07	9	195.15	9		9	9				
1/4	1,884.78	1/4	1,541.49	1/4	1,198.20	1/4	855.13	1/4	511.92	1/4	188.88	1/4		1/4	1/4				
1/2	1,877.63	1/2	1,534.34	1/2	1,191.05	1/2	847.98	1/2	504.77	1/2	182.69	1/2		1/2	1/2				
3/4	1,870.48	3/4	1,527.19	3/4	1,183.90	3/4	840.84	3/4	497.62	3/4	176.50	3/4		3/4	3/4				
10	1,863.33	10	1,520.04	10	1,176.75	10	833.70	10	490.47	10	170.31	10		10	10				
1/4	1,856.18	1/4	1,512.88	1/4	1,169.59	1/4	826.56	1/4	483.31	1/4	164.12	1/4		1/4	1/4				
1/2	1,849.02	1/2	1,505.73	1/2	1,162.44	1/2	819.41	1/2	476.20	1/2	158.01	1/2		1/2	1/2				
3/4	1,841.87	3/4	1,498.58	3/4	1,155.29	3/4	812.27	3/4	469.09	3/4	151.91	3/4		3/4	3/4				
11	1,834.72	11	1,491.43	11	1,148.14	11	805.13	11	461.99	11	145.80	11		11	11				
1/4	1,827.57	1/4	1,484.28	1/4	1,140.99	1/4	797.98	1/4	454.88	1/4	139.70	1/4		1/4	1/4				
1/2	1,820.42	1/2	1,477.13	1/2	1,133.83	1/2	790.83	1/2	447.85	1/2	133.67	1/2		1/2	1/2				
3/4	1,813.26	3/4	1,469.97	3/4	1,126.68	3/4	783.68	3/4	440.82	3/4	127.65	3/4		3/4	3/4				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

2 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	4,938.57	0	4,597.31	0	4,255.42	0	3,912.19	0	3,568.97	0	3,225.74	0	2,882.47	0	2,539.14
1/4		1/4		1/4	4,931.50	1/4	4,590.19	1/4	4,248.26	1/4	3,905.04	1/4	3,561.82	1/4	3,218.59	1/4	2,875.32	1/4	2,531.99
1/2		1/2		1/2	4,924.42	1/2	4,583.07	1/2	4,241.11	1/2	3,897.89	1/2	3,554.67	1/2	3,211.44	1/2	2,868.16	1/2	2,524.83
3/4		3/4		3/4	4,917.35	3/4	4,575.95	3/4	4,233.96	3/4	3,890.74	3/4	3,547.52	3/4	3,204.29	3/4	2,861.01	3/4	2,517.68
1		1		1	4,910.28	1	4,568.83	1	4,226.81	1	3,883.59	1	3,540.37	1	3,197.14	1	2,853.86	1	2,510.53
1/4		1/4		1/4	4,903.20	1/4	4,561.72	1/4	4,219.66	1/4	3,876.44	1/4	3,533.21	1/4	3,189.99	1/4	2,846.71	1/4	2,503.38
1/2		1/2		1/2	4,896.13	1/2	4,554.60	1/2	4,212.51	1/2	3,869.29	1/2	3,526.06	1/2	3,182.84	1/2	2,839.55	1/2	2,496.22
3/4		3/4		3/4	4,889.06	3/4	4,547.48	3/4	4,205.36	3/4	3,862.14	3/4	3,518.91	3/4	3,175.69	3/4	2,832.40	3/4	2,489.07
2		2		2	4,881.98	2	4,540.36	2	4,198.21	2	3,854.99	2	3,511.76	2	3,168.54	2	2,825.25	2	2,481.92
1/4		1/4		1/4	4,874.91	1/4	4,533.24	1/4	4,191.06	1/4	3,847.84	1/4	3,504.61	1/4	3,161.39	1/4	2,818.09	1/4	2,474.76
1/2		1/2		1/2	4,867.79	1/2	4,526.13	1/2	4,183.91	1/2	3,840.69	1/2	3,497.46	1/2	3,154.24	1/2	2,810.94	1/2	2,467.61
3/4		3/4		3/4	4,860.67	3/4	4,519.01	3/4	4,176.76	3/4	3,833.54	3/4	3,490.31	3/4	3,147.09	3/4	2,803.79	3/4	2,460.46
3		3		3	4,853.55	3	4,511.89	3	4,169.61	3	3,826.39	3	3,483.16	3	3,139.94	3	2,796.64	3	2,453.31
1/4		1/4		1/4	4,846.44	1/4	4,504.77	1/4	4,162.46	1/4	3,819.23	1/4	3,476.01	1/4	3,132.79	1/4	2,789.48	1/4	2,446.15
1/2		1/2		1/2	4,839.32	1/2	4,497.65	1/2	4,155.31	1/2	3,812.08	1/2	3,468.86	1/2	3,125.64	1/2	2,782.33	1/2	2,439.00
3/4		3/4		3/4	4,832.20	3/4	4,490.54	3/4	4,148.16	3/4	3,804.93	3/4	3,461.71	3/4	3,118.49	3/4	2,775.18	3/4	2,431.85
4		4		4	4,825.08	4	4,483.42	4	4,141.01	4	3,797.78	4	3,454.56	4	3,111.34	4	2,768.03	4	2,424.70
1/4		1/4		1/4	4,817.96	1/4	4,476.30	1/4	4,133.86	1/4	3,790.63	1/4	3,447.41	1/4	3,104.18	1/4	2,760.87	1/4	2,417.54
1/2		1/2		1/2	4,810.85	1/2	4,469.18	1/2	4,126.71	1/2	3,783.48	1/2	3,440.26	1/2	3,097.03	1/2	2,753.72	1/2	2,410.39
3/4		3/4		3/4	4,803.73	3/4	4,462.06	3/4	4,119.56	3/4	3,776.33	3/4	3,433.11	3/4	3,089.88	3/4	2,746.57	3/4	2,403.24
5		5		5	4,796.61	5	4,454.95	5	4,112.41	5	3,769.18	5	3,425.96	5	3,082.73	5	2,739.41	5	2,396.09
1/4		1/4		1/4	4,789.49	1/4	4,447.83	1/4	4,105.25	1/4	3,762.03	1/4	3,418.81	1/4	3,075.58	1/4	2,732.26	1/4	2,388.93
1/2		1/2		1/2	4,782.37	1/2	4,440.71	1/2	4,098.10	1/2	3,754.88	1/2	3,411.66	1/2	3,068.43	1/2	2,725.11	1/2	2,381.78
3/4		3/4		3/4	4,775.26	3/4	4,433.59	3/4	4,090.95	3/4	3,747.73	3/4	3,404.51	3/4	3,061.28	3/4	2,717.96	3/4	2,374.63
6		6		6	4,768.14	6	4,426.47	6	4,083.80	6	3,740.58	6	3,397.36	6	3,054.13	6	2,710.80	6	2,367.47
1/4		1/4	5,075.87	1/4	4,761.02	1/4	4,419.36	1/4	4,076.65	1/4	3,733.43	1/4	3,390.20	1/4	3,046.98	1/4	2,703.65	1/4	2,360.32
1/2		1/2	5,072.08	1/2	4,753.90	1/2	4,412.24	1/2	4,069.50	1/2	3,726.28	1/2	3,383.05	1/2	3,039.83	1/2	2,696.50	1/2	2,353.17
3/4		3/4	5,068.28	3/4	4,746.78	3/4	4,405.12	3/4	4,062.35	3/4	3,719.13	3/4	3,375.90	3/4	3,032.68	3/4	2,689.35	3/4	2,346.02
7		7	5,064.49	7	4,739.67	7	4,398.00	7	4,055.20	7	3,711.98	7	3,368.75	7	3,025.52	7	2,682.19	7	2,338.86
1/4		1/4	5,060.69	1/4	4,732.55	1/4	4,390.88	1/4	4,048.05	1/4	3,704.83	1/4	3,361.60	1/4	3,018.37	1/4	2,675.04	1/4	2,331.71
1/2		1/2	5,055.70	1/2	4,725.43	1/2	4,383.77	1/2	4,040.90	1/2	3,697.68	1/2	3,354.45	1/2	3,011.22	1/2	2,667.89	1/2	2,324.56
3/4		3/4	5,050.72	3/4	4,718.31	3/4	4,376.65	3/4	4,033.75	3/4	3,690.53	3/4	3,347.30	3/4	3,004.06	3/4	2,660.73	3/4	2,317.41
8		8	5,045.73	8	4,711.19	8	4,369.53	8	4,026.60	8	3,683.38	8	3,340.15	8	2,996.91	8	2,653.58	8	2,310.25
1/4		1/4	5,040.74	1/4	4,704.08	1/4	4,362.41	1/4	4,019.45	1/4	3,676.22	1/4	3,333.00	1/4	2,989.76	1/4	2,646.43	1/4	2,303.10
1/2		1/2	5,034.56	1/2	4,696.96	1/2	4,355.29	1/2	4,012.30	1/2	3,669.07	1/2	3,325.85	1/2	2,982.61	1/2	2,639.28	1/2	2,295.95
3/4		3/4	5,028.38	3/4	4,689.84	3/4	4,348.18	3/4	4,005.15	3/4	3,661.92	3/4	3,318.70	3/4	2,975.45	3/4	2,632.12	3/4	2,288.79
9		9	5,022.21	9	4,682.72	9	4,341.06	9	3,998.00	9	3,654.77	9	3,311.55	9	2,968.30	9	2,624.97	9	2,281.64
1/4		1/4	5,016.03	1/4	4,675.60	1/4	4,333.94	1/4	3,990.85	1/4	3,647.62	1/4	3,304.40	1/4	2,961.15	1/4	2,617.82	1/4	2,274.49
1/2		1/2	5,009.02	1/2	4,668.49	1/2	4,326.82	1/2	3,983.70	1/2	3,640.47	1/2	3,297.25	1/2	2,954.00	1/2	2,610.67	1/2	2,267.34
3/4		3/4	5,002.02	3/4	4,661.37	3/4	4,319.70	3/4	3,976.55	3/4	3,633.32	3/4	3,290.10	3/4	2,946.84	3/4	2,603.51	3/4	2,260.18
10		10	4,995.01	10	4,654.25	10	4,312.59	10	3,969.40	10	3,626.17	10	3,282.95	10	2,939.69	10	2,596.36	10	2,253.03
1/4		1/4	4,988.01	1/4	4,647.13	1/4	4,305.47	1/4	3,962.24	1/4	3,619.02	1/4	3,275.80	1/4	2,932.54	1/4	2,589.21	1/4	2,245.88
1/2		1/2	4,980.95	1/2	4,640.01	1/2	4,298.32	1/2	3,955.09	1/2	3,611.87	1/2	3,268.65	1/2	2,925.38	1/2	2,582.06	1/2	2,238.73
3/4		3/4	4,973.89	3/4	4,632.90	3/4	4,291.17	3/4	3,947.94	3/4	3,604.72	3/4	3,261.50	3/4	2,918.23	3/4	2,574.90	3/4	2,231.57
11		11	4,966.83	11	4,625.78	11	4,284.02	11	3,940.79	11	3,597.57	11	3,254.35	11	2,911.08	11	2,567.75	11	2,224.42
1/4		1/4	4,959.78	1/4	4,618.66	1/4	4,276.87	1/4	3,933.64	1/4	3,590.42	1/4	3,247.19	1/4	2,903.93	1/4	2,560.60	1/4	2,217.27
1/2		1/2	4,952.71	1/2	4,611.54	1/2	4,269.72	1/2	3,926.49	1/2	3,583.27	1/2	3,240.04	1/2	2,896.77	1/2	2,553.44	1/2	2,210.11
3/4		3/4	4,945.64	3/4	4,604.42	3/4	4,262.57	3/4	3,919.34	3/4	3,576.12	3/4	3,232.89	3/4	2,889.62	3/4	2,546.29	3/4	2,202.96

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 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 3304"

2 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	2,195.81	0	1,852.48	0	1,509.15	0	1,165.82	0	835.57	0	493.68	0	150.37	0		0		0	
1/4	2,188.66	1/4	1,845.33	1/4	1,502.00	1/4	1,158.67	1/4	828.71	1/4	486.53	1/4	143.21	1/4	1/4		1/4		1/4
1/2	2,181.50	1/2	1,838.17	1/2	1,494.84	1/2	1,151.52	1/2	821.84	1/2	479.38	1/2	136.06	1/2	1/2		1/2		1/2
3/4	2,174.35	3/4	1,831.02	3/4	1,487.69	3/4	1,144.36	3/4	814.97	3/4	472.22	3/4	128.91	3/4	3/4		3/4		3/4
1	2,167.20	1	1,823.87	1	1,480.54	1	1,137.21	1	808.10	1	465.07	1	121.76	1	1		1		1
1/4	2,160.05	1/4	1,816.72	1/4	1,473.39	1/4	1,130.06	1/4	801.23	1/4	457.92	1/4	114.61	1/4	1/4		1/4		1/4
1/2	2,152.89	1/2	1,809.56	1/2	1,466.23	1/2	1,123.19	1/2	794.08	1/2	450.77	1/2	107.47	1/2	1/2		1/2		1/2
3/4	2,145.74	3/4	1,802.41	3/4	1,459.08	3/4	1,116.32	3/4	786.93	3/4	443.61	3/4	100.33	3/4	3/4		3/4		3/4
2	2,138.59	2	1,795.26	2	1,451.93	2	1,109.45	2	779.78	2	436.46	2	93.18	2	2		2		2
1/4	2,131.44	1/4	1,788.11	1/4	1,444.78	1/4	1,102.58	1/4	772.62	1/4	429.31	1/4	86.04	1/4	1/4		1/4		1/4
1/2	2,124.28	1/2	1,780.95	1/2	1,437.62	1/2	1,095.72	1/2	765.47	1/2	422.16	1/2	78.93	1/2	1/2		1/2		1/2
3/4	2,117.13	3/4	1,773.80	3/4	1,430.47	3/4	1,088.87	3/4	758.32	3/4	415.00	3/4	71.81	3/4	3/4		3/4		3/4
3	2,109.98	3	1,766.65	3	1,423.32	3	1,082.02	3	751.17	3	407.85	3	64.69	3	3		3		3
1/4	2,102.82	1/4	1,759.49	1/4	1,416.17	1/4	1,075.16	1/4	744.01	1/4	400.70	1/4	57.58	1/4	1/4		1/4		1/4
1/2	2,095.67	1/2	1,752.34	1/2	1,409.01	1/2	1,068.32	1/2	736.86	1/2	393.55	1/2	51.32	1/2	1/2		1/2		1/2
3/4	2,088.52	3/4	1,745.19	3/4	1,401.86	3/4	1,061.47	3/4	729.71	3/4	386.39	3/4	45.06	3/4	3/4		3/4		3/4
4	2,081.37	4	1,738.04	4	1,394.71	4	1,054.63	4	722.56	4	379.24	4	38.81	4	4		4		4
1/4	2,074.21	1/4	1,730.88	1/4	1,387.55	1/4	1,047.78	1/4	715.41	1/4	372.09	1/4	32.55	1/4	1/4		1/4		1/4
1/2	2,067.06	1/2	1,723.73	1/2	1,380.40	1/2	1,040.94	1/2	708.25	1/2	364.94	1/2	28.08	1/2	1/2		1/2		1/2
3/4	2,059.91	3/4	1,716.58	3/4	1,373.25	3/4	1,034.09	3/4	701.10	3/4	357.79	3/4	23.61	3/4	3/4		3/4		3/4
5	2,052.76	5	1,709.43	5	1,366.10	5	1,027.25	5	693.95	5	350.63	5	19.14	5	5		5		5
1/4	2,045.60	1/4	1,702.27	1/4	1,358.94	1/4	1,020.40	1/4	686.80	1/4	343.48	1/4	14.67	1/4	1/4		1/4		1/4
1/2	2,038.45	1/2	1,695.12	1/2	1,351.79	1/2	1,013.56	1/2	679.64	1/2	336.33	1/2		1/2	1/2		1/2		1/2
3/4	2,031.30	3/4	1,687.97	3/4	1,344.64	3/4	1,006.71	3/4	672.49	3/4	329.18	3/4		3/4	3/4		3/4		3/4
6	2,024.14	6	1,680.82	6	1,337.49	6	999.87	6	665.34	6	322.02	6		6	6		6		6
1/4	2,016.99	1/4	1,673.66	1/4	1,330.33	1/4	993.02	1/4	658.19	1/4	314.87	1/4		1/4	1/4		1/4		1/4
1/2	2,009.84	1/2	1,666.51	1/2	1,323.18	1/2	986.18	1/2	651.03	1/2	307.72	1/2		1/2	1/2		1/2		1/2
3/4	2,002.69	3/4	1,659.36	3/4	1,316.03	3/4	979.33	3/4	643.88	3/4	300.57	3/4		3/4	3/4		3/4		3/4
7	1,995.53	7	1,652.20	7	1,308.87	7	972.49	7	636.73	7	293.41	7		7	7		7		7
1/4	1,988.38	1/4	1,645.05	1/4	1,301.72	1/4	965.64	1/4	629.58	1/4	286.26	1/4		1/4	1/4		1/4		1/4
1/2	1,981.23	1/2	1,637.90	1/2	1,294.57	1/2	958.80	1/2	622.42	1/2	279.11	1/2		1/2	1/2		1/2		1/2
3/4	1,974.08	3/4	1,630.75	3/4	1,287.42	3/4	951.95	3/4	615.27	3/4	271.96	3/4		3/4	3/4		3/4		3/4
8	1,966.92	8	1,623.59	8	1,280.26	8	945.11	8	608.12	8	264.80	8		8	8		8		8
1/4	1,959.77	1/4	1,616.44	1/4	1,273.11	1/4	938.26	1/4	600.97	1/4	257.65	1/4		1/4	1/4		1/4		1/4
1/2	1,952.62	1/2	1,609.29	1/2	1,265.96	1/2	931.42	1/2	593.81	1/2	250.50	1/2		1/2	1/2		1/2		1/2
3/4	1,945.46	3/4	1,602.14	3/4	1,258.81	3/4	924.57	3/4	586.66	3/4	243.35	3/4		3/4	3/4		3/4		3/4
9	1,938.31	9	1,594.98	9	1,251.65	9	917.73	9	579.51	9	236.19	9		9	9		9		9
1/4	1,931.16	1/4	1,587.83	1/4	1,244.50	1/4	910.88	1/4	572.36	1/4	229.04	1/4		1/4	1/4		1/4		1/4
1/2	1,924.01	1/2	1,580.68	1/2	1,237.35	1/2	904.04	1/2	565.20	1/2	221.89	1/2		1/2	1/2		1/2		1/2
3/4	1,916.85	3/4	1,573.52	3/4	1,230.19	3/4	897.19	3/4	558.05	3/4	214.74	3/4		3/4	3/4		3/4		3/4
10	1,909.70	10	1,566.37	10	1,223.04	10	890.35	10	550.90	10	207.58	10		10	10		10		10
1/4	1,902.55	1/4	1,559.22	1/4	1,215.89	1/4	883.51	1/4	543.75	1/4	200.43	1/4		1/4	1/4		1/4		1/4
1/2	1,895.40	1/2	1,552.07	1/2	1,208.74	1/2	876.66	1/2	536.60	1/2	193.28	1/2		1/2	1/2		1/2		1/2
3/4	1,888.24	3/4	1,544.91	3/4	1,201.58	3/4	869.82	3/4	529.44	3/4	186.13	3/4		3/4	3/4		3/4		3/4
11	1,881.09	11	1,537.76	11	1,194.43	11	862.97	11	522.29	11	178.98	11		11	11		11		11
1/4	1,873.94	1/4	1,530.61	1/4	1,187.28	1/4	856.13	1/4	515.14	1/4	171.82	1/4		1/4	1/4		1/4		1/4
1/2	1,866.79	1/2	1,523.46	1/2	1,180.13	1/2	849.27	1/2	507.99	1/2	164.67	1/2		1/2	1/2		1/2		1/2
3/4	1,859.63	3/4	1,516.30	3/4	1,172.97	3/4	842.42	3/4	500.83	3/4	157.52	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

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	4,959.14	0	4,616.82	0	4,273.89	0	3,929.64	0	3,585.42	0	3,241.28	0	2,897.08	0	2,552.83
1/4		1/4		1/4	4,952.04	1/4	4,609.68	1/4	4,266.72	1/4	3,922.46	1/4	3,578.25	1/4	3,234.11	1/4	2,889.90	1/4	2,545.65
1/2		1/2		1/2	4,944.95	1/2	4,602.55	1/2	4,259.54	1/2	3,915.29	1/2	3,571.08	1/2	3,226.94	1/2	2,882.73	1/2	2,538.48
3/4		3/4		3/4	4,937.85	3/4	4,595.41	3/4	4,252.37	3/4	3,908.12	3/4	3,563.91	3/4	3,219.77	3/4	2,875.56	3/4	2,531.31
1		1		1	4,930.76	1	4,588.27	1	4,245.20	1	3,900.95	1	3,556.74	1	3,212.60	1	2,868.39	1	2,524.14
1/4		1/4		1/4	4,923.67	1/4	4,581.13	1/4	4,238.03	1/4	3,893.78	1/4	3,549.57	1/4	3,205.43	1/4	2,861.22	1/4	2,516.97
1/2		1/2		1/2	4,916.57	1/2	4,573.99	1/2	4,230.86	1/2	3,886.61	1/2	3,542.40	1/2	3,198.26	1/2	2,854.05	1/2	2,509.79
3/4		3/4		3/4	4,909.48	3/4	4,566.85	3/4	4,223.68	3/4	3,879.43	3/4	3,535.23	3/4	3,191.09	3/4	2,846.87	3/4	2,502.62
2		2		2	4,902.38	2	4,559.71	2	4,216.51	2	3,872.26	2	3,528.06	2	3,183.92	2	2,839.70	2	2,495.45
1/4		1/4		1/4	4,895.24	1/4	4,552.57	1/4	4,209.34	1/4	3,865.09	1/4	3,520.89	1/4	3,176.75	1/4	2,832.53	1/4	2,488.28
1/2		1/2		1/2	4,888.11	1/2	4,545.43	1/2	4,202.17	1/2	3,857.92	1/2	3,513.72	1/2	3,169.58	1/2	2,825.36	1/2	2,481.11
3/4		3/4		3/4	4,880.97	3/4	4,538.29	3/4	4,195.00	3/4	3,850.75	3/4	3,506.55	3/4	3,162.41	3/4	2,818.19	3/4	2,473.93
3		3		3	4,873.83	3	4,531.16	3	4,187.83	3	3,843.57	3	3,499.38	3	3,155.24	3	2,811.01	3	2,466.76
1/4		1/4		1/4	4,866.69	1/4	4,524.02	1/4	4,180.65	1/4	3,836.40	1/4	3,492.21	1/4	3,148.07	1/4	2,803.84	1/4	2,459.59
1/2		1/2		1/2	4,859.55	1/2	4,516.88	1/2	4,173.48	1/2	3,829.23	1/2	3,485.04	1/2	3,140.90	1/2	2,796.67	1/2	2,452.42
3/4		3/4		3/4	4,852.41	3/4	4,509.74	3/4	4,166.31	3/4	3,822.06	3/4	3,477.88	3/4	3,133.73	3/4	2,789.50	3/4	2,445.25
4		4		4	4,845.27	4	4,502.60	4	4,159.14	4	3,814.89	4	3,470.71	4	3,126.56	4	2,782.33	4	2,438.08
1/4		1/4		1/4	4,838.13	1/4	4,495.46	1/4	4,151.97	1/4	3,807.71	1/4	3,463.54	1/4	3,119.39	1/4	2,775.15	1/4	2,430.90
1/2		1/2		1/2	4,830.99	1/2	4,488.32	1/2	4,144.79	1/2	3,800.54	1/2	3,456.37	1/2	3,112.22	1/2	2,767.98	1/2	2,423.73
3/4		3/4		3/4	4,823.85	3/4	4,481.18	3/4	4,137.62	3/4	3,793.37	3/4	3,449.20	3/4	3,105.05	3/4	2,760.81	3/4	2,416.56
5		5		5	4,816.72	5	4,474.04	5	4,130.45	5	3,786.20	5	3,442.03	5	3,097.88	5	2,753.64	5	2,409.39
1/4		1/4		1/4	4,809.58	1/4	4,466.90	1/4	4,123.28	1/4	3,779.03	1/4	3,434.86	1/4	3,090.71	1/4	2,746.47	1/4	2,402.22
1/2		1/2		1/2	4,802.44	1/2	4,459.77	1/2	4,116.11	1/2	3,771.85	1/2	3,427.69	1/2	3,083.54	1/2	2,739.30	1/2	2,395.04
3/4		3/4		3/4	4,795.30	3/4	4,452.63	3/4	4,108.93	3/4	3,764.68	3/4	3,420.52	3/4	3,076.37	3/4	2,732.12	3/4	2,387.87
6		6	5,103.95	6	4,788.16	6	4,445.49	6	4,101.76	6	3,757.51	6	3,413.35	6	3,069.20	6	2,724.95	6	2,380.70
1/4		1/4	5,100.14	1/4	4,781.02	1/4	4,438.35	1/4	4,094.59	1/4	3,750.34	1/4	3,406.18	1/4	3,062.03	1/4	2,717.78	1/4	2,373.53
1/2		1/2	5,096.34	1/2	4,773.88	1/2	4,431.21	1/2	4,087.42	1/2	3,743.17	1/2	3,399.01	1/2	3,054.86	1/2	2,710.61	1/2	2,366.36
3/4		3/4	5,092.53	3/4	4,766.74	3/4	4,424.07	3/4	4,080.25	3/4	3,736.00	3/4	3,391.84	3/4	3,047.69	3/4	2,703.44	3/4	2,359.18
7		7	5,088.72	7	4,759.60	7	4,416.93	7	4,073.07	7	3,728.82	7	3,384.67	7	3,040.51	7	2,696.26	7	2,352.01
1/4		1/4	5,083.72	1/4	4,752.46	1/4	4,409.79	1/4	4,065.90	1/4	3,721.65	1/4	3,377.50	1/4	3,033.34	1/4	2,689.09	1/4	2,344.84
1/2		1/2	5,078.72	1/2	4,745.33	1/2	4,402.65	1/2	4,058.73	1/2	3,714.48	1/2	3,370.33	1/2	3,026.17	1/2	2,681.92	1/2	2,337.67
3/4		3/4	5,073.72	3/4	4,738.19	3/4	4,395.51	3/4	4,051.56	3/4	3,707.31	3/4	3,363.16	3/4	3,019.00	3/4	2,674.75	3/4	2,330.50
8		8	5,068.71	8	4,731.05	8	4,388.38	8	4,044.39	8	3,700.14	8	3,355.99	8	3,011.83	8	2,667.58	8	2,323.32
1/4		1/4	5,062.52	1/4	4,723.91	1/4	4,381.24	1/4	4,037.22	1/4	3,692.97	1/4	3,348.82	1/4	3,004.66	1/4	2,660.40	1/4	2,316.15
1/2		1/2	5,056.32	1/2	4,716.77	1/2	4,374.10	1/2	4,030.04	1/2	3,685.80	1/2	3,341.65	1/2	2,997.48	1/2	2,653.23	1/2	2,308.98
3/4		3/4	5,050.12	3/4	4,709.63	3/4	4,366.96	3/4	4,022.87	3/4	3,678.63	3/4	3,334.48	3/4	2,990.31	3/4	2,646.06	3/4	2,301.81
9		9	5,043.92	9	4,702.49	9	4,359.82	9	4,015.70	9	3,671.46	9	3,327.31	9	2,983.14	9	2,638.89	9	2,294.64
1/4		1/4	5,036.90	1/4	4,695.35	1/4	4,352.68	1/4	4,008.53	1/4	3,664.29	1/4	3,320.14	1/4	2,975.97	1/4	2,631.72	1/4	2,287.47
1/2		1/2	5,029.87	1/2	4,688.21	1/2	4,345.54	1/2	4,001.36	1/2	3,657.12	1/2	3,312.97	1/2	2,968.80	1/2	2,624.54	1/2	2,280.29
3/4		3/4	5,022.85	3/4	4,681.07	3/4	4,338.40	3/4	3,994.18	3/4	3,649.95	3/4	3,305.80	3/4	2,961.62	3/4	2,617.37	3/4	2,273.12
10		10	5,015.82	10	4,673.94	10	4,331.26	10	3,987.01	10	3,642.78	10	3,298.63	10	2,954.45	10	2,610.20	10	2,265.95
1/4		1/4	5,008.74	1/4	4,666.80	1/4	4,324.09	1/4	3,979.84	1/4	3,635.61	1/4	3,291.46	1/4	2,947.28	1/4	2,603.03	1/4	2,258.78
1/2		1/2	5,001.66	1/2	4,659.66	1/2	4,316.92	1/2	3,972.67	1/2	3,628.44	1/2	3,284.29	1/2	2,940.11	1/2	2,595.86	1/2	2,251.61
3/4		3/4	4,994.59	3/4	4,652.52	3/4	4,309.75	3/4	3,965.50	3/4	3,621.27	3/4	3,277.12	3/4	2,932.94	3/4	2,588.69	3/4	2,244.43
11		11	4,987.51	11	4,645.38	11	4,302.58	11	3,958.32	11	3,614.10	11	3,269.95	11	2,925.76	11	2,581.51	11	2,237.26
1/4		1/4	4,980.41	1/4	4,638.24	1/4	4,295.40	1/4	3,951.15	1/4	3,606.93	1/4	3,262.78	1/4	2,918.59	1/4	2,574.34	1/4	2,230.09
1/2		1/2	4,973.32	1/2	4,631.10	1/2	4,288.23	1/2	3,943.98	1/2	3,599.76	1/2	3,255.61	1/2	2,911.42	1/2	2,567.17	1/2	2,222.92
3/4		3/4	4,966.23	3/4	4,623.96	3/4	4,281.06	3/4	3,936.81	3/4	3,592.59	3/4	3,248.44	3/4	2,904.25	3/4	2,560.00	3/4	2,215.75

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 3304"

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	2,208.57	0	1,864.32	0	1,520.07	0	1,175.82	0	832.07	0	487.83	0	143.60	0		0		0	
1/4	2,201.40	1/4	1,857.15	1/4	1,512.90	1/4	1,168.65	1/4	824.90	1/4	480.66	1/4	136.43	1/4	1/4		1/4		1/4
1/2	2,194.23	1/2	1,849.98	1/2	1,505.73	1/2	1,161.48	1/2	817.73	1/2	473.49	1/2	129.26	1/2	1/2		1/2		1/2
3/4	2,187.06	3/4	1,842.81	3/4	1,498.56	3/4	1,154.31	3/4	810.56	3/4	466.32	3/4	122.09	3/4	3/4		3/4		3/4
1	2,179.89	1	1,835.64	1	1,491.38	1	1,147.13	1	803.38	1	459.15	1	114.92	1	1		1		1
1/4	2,172.71	1/4	1,828.46	1/4	1,484.21	1/4	1,139.96	1/4	796.21	1/4	451.98	1/4	107.75	1/4	1/4		1/4		1/4
1/2	2,165.54	1/2	1,821.29	1/2	1,477.04	1/2	1,132.79	1/2	789.04	1/2	444.80	1/2	100.59	1/2	1/2		1/2		1/2
3/4	2,158.37	3/4	1,814.12	3/4	1,469.87	3/4	1,125.62	3/4	781.87	3/4	437.63	3/4	93.43	3/4	3/4		3/4		3/4
2	2,151.20	2	1,806.95	2	1,462.70	2	1,118.45	2	774.70	2	430.46	2	86.27	2	2		2		2
1/4	2,144.03	1/4	1,799.78	1/4	1,455.52	1/4	1,111.28	1/4	767.53	1/4	423.29	1/4	79.14	1/4	1/4		1/4		1/4
1/2	2,136.86	1/2	1,792.60	1/2	1,448.35	1/2	1,104.11	1/2	760.35	1/2	416.12	1/2	72.00	1/2	1/2		1/2		1/2
3/4	2,129.68	3/4	1,785.43	3/4	1,441.18	3/4	1,096.95	3/4	753.18	3/4	408.95	3/4	64.87	3/4	3/4		3/4		3/4
3	2,122.51	3	1,778.26	3	1,434.01	3	1,089.78	3	746.01	3	401.77	3	57.73	3	3		3		3
1/4	2,115.34	1/4	1,771.09	1/4	1,426.84	1/4	1,082.62	1/4	738.84	1/4	394.60	1/4	51.46	1/4	1/4		1/4		1/4
1/2	2,108.17	1/2	1,763.92	1/2	1,419.67	1/2	1,075.47	1/2	731.67	1/2	387.43	1/2	45.18	1/2	1/2		1/2		1/2
3/4	2,101.00	3/4	1,756.74	3/4	1,412.49	3/4	1,068.31	3/4	724.50	3/4	380.26	3/4	38.91	3/4	3/4		3/4		3/4
4	2,093.82	4	1,749.57	4	1,405.32	4	1,061.15	4	717.32	4	373.09	4	32.63	4	4		4		4
1/4	2,086.65	1/4	1,742.40	1/4	1,398.15	1/4	1,053.99	1/4	710.15	1/4	365.92	1/4	28.15	1/4	1/4		1/4		1/4
1/2	2,079.48	1/2	1,735.23	1/2	1,390.98	1/2	1,046.83	1/2	702.98	1/2	358.74	1/2	23.67	1/2	1/2		1/2		1/2
3/4	2,072.31	3/4	1,728.06	3/4	1,383.81	3/4	1,039.68	3/4	695.81	3/4	351.57	3/4	19.19	3/4	3/4		3/4		3/4
5	2,065.14	5	1,720.89	5	1,376.63	5	1,032.52	5	688.64	5	344.40	5	14.71	5	5		5		5
1/4	2,057.96	1/4	1,713.71	1/4	1,369.46	1/4	1,025.36	1/4	681.47	1/4	337.23	1/4		1/4	1/4		1/4		1/4
1/2	2,050.79	1/2	1,706.54	1/2	1,362.29	1/2	1,018.20	1/2	674.29	1/2	330.06	1/2		1/2	1/2		1/2		1/2
3/4	2,043.62	3/4	1,699.37	3/4	1,355.12	3/4	1,011.05	3/4	667.12	3/4	322.89	3/4		3/4	3/4		3/4		3/4
6	2,036.45	6	1,692.20	6	1,347.95	6	1,003.89	6	659.95	6	315.71	6	6	6	6		6		6
1/4	2,029.28	1/4	1,685.03	1/4	1,340.77	1/4	996.73	1/4	652.78	1/4	308.54	1/4		1/4	1/4		1/4		1/4
1/2	2,022.11	1/2	1,677.85	1/2	1,333.60	1/2	989.57	1/2	645.61	1/2	301.37	1/2		1/2	1/2		1/2		1/2
3/4	2,014.93	3/4	1,670.68	3/4	1,326.43	3/4	982.41	3/4	638.44	3/4	294.20	3/4		3/4	3/4		3/4		3/4
7	2,007.76	7	1,663.51	7	1,319.26	7	975.26	7	631.27	7	287.03	7	7	7	7		7		7
1/4	2,000.59	1/4	1,656.34	1/4	1,312.09	1/4	968.10	1/4	624.09	1/4	279.86	1/4		1/4	1/4		1/4		1/4
1/2	1,993.42	1/2	1,649.17	1/2	1,304.92	1/2	960.94	1/2	616.92	1/2	272.69	1/2		1/2	1/2		1/2		1/2
3/4	1,986.25	3/4	1,641.99	3/4	1,297.74	3/4	953.78	3/4	609.75	3/4	265.51	3/4		3/4	3/4		3/4		3/4
8	1,979.07	8	1,634.82	8	1,290.57	8	946.63	8	602.58	8	258.34	8	8	8	8		8		8
1/4	1,971.90	1/4	1,627.65	1/4	1,283.40	1/4	939.47	1/4	595.41	1/4	251.17	1/4		1/4	1/4		1/4		1/4
1/2	1,964.73	1/2	1,620.48	1/2	1,276.23	1/2	932.31	1/2	588.24	1/2	244.00	1/2		1/2	1/2		1/2		1/2
3/4	1,957.56	3/4	1,613.31	3/4	1,269.06	3/4	925.15	3/4	581.06	3/4	236.83	3/4		3/4	3/4		3/4		3/4
9	1,950.39	9	1,606.13	9	1,261.88	9	918.00	9	573.89	9	229.66	9	9	9	9		9		9
1/4	1,943.21	1/4	1,598.96	1/4	1,254.71	1/4	910.84	1/4	566.72	1/4	222.48	1/4		1/4	1/4		1/4		1/4
1/2	1,936.04	1/2	1,591.79	1/2	1,247.54	1/2	903.68	1/2	559.55	1/2	215.31	1/2		1/2	1/2		1/2		1/2
3/4	1,928.87	3/4	1,584.62	3/4	1,240.37	3/4	896.52	3/4	552.38	3/4	208.14	3/4		3/4	3/4		3/4		3/4
10	1,921.70	10	1,577.45	10	1,233.20	10	889.37	10	545.21	10	200.97	10	10	10	10		10		10
1/4	1,914.53	1/4	1,570.28	1/4	1,226.02	1/4	882.21	1/4	538.03	1/4	193.80	1/4		1/4	1/4		1/4		1/4
1/2	1,907.35	1/2	1,563.10	1/2	1,218.85	1/2	875.05	1/2	530.86	1/2	186.63	1/2		1/2	1/2		1/2		1/2
3/4	1,900.18	3/4	1,555.93	3/4	1,211.68	3/4	867.89	3/4	523.69	3/4	179.45	3/4		3/4	3/4		3/4		3/4
11	1,893.01	11	1,548.76	11	1,204.51	11	860.74	11	516.52	11	172.28	11	11	11	11		11		11
1/4	1,885.84	1/4	1,541.59	1/4	1,197.34	1/4	853.57	1/4	509.35	1/4	165.11	1/4		1/4	1/4		1/4		1/4
1/2	1,878.67	1/2	1,534.42	1/2	1,190.16	1/2	846.40	1/2	502.18	1/2	157.94	1/2		1/2	1/2		1/2		1/2
3/4	1,871.50	3/4	1,527.24	3/4	1,182.99	3/4	839.24	3/4	495.00	3/4	150.77	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

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	4,301.48	0	4,092.52	0	3,883.20	0	3,673.16	0	3,463.39	0	3,193.85	0	2,851.85	0	2,509.79
1/4		1/4		1/4	4,297.15	1/4	4,088.17	1/4	3,878.83	1/4	3,668.78	1/4	3,459.03	1/4	3,186.74	1/4	2,844.73	1/4	2,502.67
1/2		1/2		1/2	4,292.82	1/2	4,083.81	1/2	3,874.45	1/2	3,664.40	1/2	3,454.67	1/2	3,179.64	1/2	2,837.60	1/2	2,495.54
3/4		3/4		3/4	4,288.50	3/4	4,079.45	3/4	3,870.08	3/4	3,660.03	3/4	3,450.31	3/4	3,172.53	3/4	2,830.48	3/4	2,488.41
1		1		1	4,284.17	1	4,075.09	1	3,865.70	1	3,655.65	1	3,445.95	1	3,165.43	1	2,823.35	1	2,481.28
1/4		1/4		1/4	4,279.84	1/4	4,070.74	1/4	3,861.32	1/4	3,651.28	1/4	3,441.59	1/4	3,158.32	1/4	2,816.22	1/4	2,474.16
1/2		1/2		1/2	4,275.51	1/2	4,066.38	1/2	3,856.95	1/2	3,646.90	1/2	3,437.23	1/2	3,151.22	1/2	2,809.10	1/2	2,467.03
3/4		3/4		3/4	4,271.15	3/4	4,062.02	3/4	3,852.57	3/4	3,642.52	3/4	3,432.87	3/4	3,144.11	3/4	2,801.97	3/4	2,459.90
2		2		2	4,266.79	2	4,057.67	2	3,848.20	2	3,638.15	2	3,428.51	2	3,137.01	2	2,794.84	2	2,452.78
1/4		1/4		1/4	4,262.44	1/4	4,053.31	1/4	3,843.82	1/4	3,633.77	1/4	3,424.15	1/4	3,129.90	1/4	2,787.72	1/4	2,445.65
1/2		1/2		1/2	4,258.08	1/2	4,048.95	1/2	3,839.44	1/2	3,629.40	1/2	3,419.79	1/2	3,122.80	1/2	2,780.59	1/2	2,438.52
3/4		3/4		3/4	4,253.72	3/4	4,044.60	3/4	3,835.07	3/4	3,625.02	3/4	3,415.43	3/4	3,115.67	3/4	2,773.46	3/4	2,431.39
3		3		3	4,249.37	3	4,040.24	3	3,830.69	3	3,620.64	3	3,411.07	3	3,108.55	3	2,766.34	3	2,424.27
1/4		1/4		1/4	4,245.01	1/4	4,035.88	1/4	3,826.32	1/4	3,616.27	1/4	3,406.71	1/4	3,101.43	1/4	2,759.21	1/4	2,417.14
1/2		1/2		1/2	4,240.65	1/2	4,031.53	1/2	3,821.94	1/2	3,611.89	1/2	3,402.35	1/2	3,094.31	1/2	2,752.09	1/2	2,410.01
3/4		3/4		3/4	4,236.30	3/4	4,027.17	3/4	3,817.56	3/4	3,607.52	3/4	3,397.99	3/4	3,087.19	3/4	2,744.96	3/4	2,402.88
4		4		4	4,231.94	4	4,022.81	4	3,813.19	4	3,603.14	4	3,393.63	4	3,080.06	4	2,737.83	4	2,395.76
1/4		1/4		1/4	4,227.58	1/4	4,018.46	1/4	3,808.81	1/4	3,598.76	1/4	3,389.27	1/4	3,072.94	1/4	2,730.71	1/4	2,388.63
1/2		1/2		1/2	4,223.23	1/2	4,014.10	1/2	3,804.44	1/2	3,594.39	1/2	3,384.91	1/2	3,065.82	1/2	2,723.58	1/2	2,381.50
3/4		3/4		3/4	4,218.87	3/4	4,009.74	3/4	3,800.06	3/4	3,590.01	3/4	3,380.57	3/4	3,058.70	3/4	2,716.45	3/4	2,374.38
5		5		5	4,214.51	5	4,005.39	5	3,795.68	5	3,585.64	5	3,376.22	5	3,051.57	5	2,709.33	5	2,367.25
1/4		1/4		1/4	4,210.16	1/4	4,001.03	1/4	3,791.31	1/4	3,581.26	1/4	3,371.88	1/4	3,044.45	1/4	2,702.20	1/4	2,360.12
1/2		1/2		1/2	4,391.32	1/2	4,205.80	1/2	3,996.67	1/2	3,786.93	1/2	3,576.88	1/2	3,367.54	1/2	3,037.33	1/2	2,695.08
3/4		3/4		3/4	4,389.61	3/4	4,201.44	3/4	3,992.32	3/4	3,782.56	3/4	3,572.51	3/4	3,363.20	3/4	3,030.19	3/4	2,687.95
6		6		6	4,387.90	6	4,197.09	6	3,987.96	6	3,778.18	6	3,568.13	6	3,358.86	6	3,023.05	6	2,680.82
1/4		1/4		1/4	4,386.19	1/4	4,192.73	1/4	3,983.60	1/4	3,773.80	1/4	3,563.76	1/4	3,354.52	1/4	3,015.91	1/4	2,673.70
1/2		1/2		1/2	4,384.48	1/2	4,188.37	1/2	3,979.25	1/2	3,769.43	1/2	3,559.38	1/2	3,350.17	1/2	3,008.78	1/2	2,666.57
3/4		3/4		3/4	4,382.24	3/4	4,184.01	3/4	3,974.89	3/4	3,765.05	3/4	3,555.00	3/4	3,343.07	3/4	3,001.64	3/4	2,659.44
7		7		7	4,379.99	7	4,179.66	7	3,970.53	7	3,760.68	7	3,550.63	7	3,335.96	7	2,994.50	7	2,652.32
1/4		1/4		1/4	4,377.74	1/4	4,175.30	1/4	3,966.17	1/4	3,756.30	1/4	3,546.25	1/4	3,328.85	1/4	2,987.36	1/4	2,645.19
1/2		1/2		1/2	4,375.50	1/2	4,170.94	1/2	3,961.82	1/2	3,751.92	1/2	3,541.88	1/2	3,321.75	1/2	2,980.22	1/2	2,638.07
3/4		3/4		3/4	4,372.06	3/4	4,166.59	3/4	3,957.46	3/4	3,747.55	3/4	3,537.52	3/4	3,314.64	3/4	2,973.08	3/4	2,630.94
8		8		8	4,368.62	8	4,162.23	8	3,953.10	8	3,743.17	8	3,533.16	8	3,307.53	8	2,965.95	8	2,623.81
1/4		1/4		1/4	4,365.18	1/4	4,157.87	1/4	3,948.75	1/4	3,738.80	1/4	3,528.80	1/4	3,300.43	1/4	2,958.81	1/4	2,616.69
1/2		1/2		1/2	4,361.75	1/2	4,153.52	1/2	3,944.39	1/2	3,734.42	1/2	3,524.43	1/2	3,293.32	1/2	2,951.67	1/2	2,609.56
3/4		3/4		3/4	4,357.49	3/4	4,149.16	3/4	3,940.03	3/4	3,730.04	3/4	3,520.07	3/4	3,286.21	3/4	2,944.53	3/4	2,602.43
9		9		9	4,353.23	9	4,144.80	9	3,935.68	9	3,725.67	9	3,515.71	9	3,279.11	9	2,937.39	9	2,595.31
1/4		1/4		1/4	4,348.97	1/4	4,140.45	1/4	3,931.32	1/4	3,721.29	1/4	3,511.35	1/4	3,272.00	1/4	2,930.26	1/4	2,588.18
1/2		1/2		1/2	4,344.71	1/2	4,136.09	1/2	3,926.96	1/2	3,716.92	1/2	3,506.99	1/2	3,264.90	1/2	2,923.12	1/2	2,581.05
3/4		3/4		3/4	4,340.39	3/4	4,131.73	3/4	3,922.59	3/4	3,712.54	3/4	3,502.63	3/4	3,257.79	3/4	2,915.99	3/4	2,573.93
10		10		10	4,336.08	10	4,127.38	10	3,918.21	10	3,708.16	10	3,498.27	10	3,250.69	10	2,908.86	10	2,566.80
1/4		1/4		1/4	4,331.76	1/4	4,123.02	1/4	3,913.84	1/4	3,703.79	1/4	3,493.91	1/4	3,243.58	1/4	2,901.74	1/4	2,559.68
1/2		1/2		1/2	4,327.45	1/2	4,118.66	1/2	3,909.46	1/2	3,699.41	1/2	3,489.55	1/2	3,236.48	1/2	2,894.61	1/2	2,552.55
3/4		3/4		3/4	4,323.12	3/4	4,114.31	3/4	3,905.08	3/4	3,695.04	3/4	3,485.19	3/4	3,229.37	3/4	2,887.49	3/4	2,545.42
11		11		11	4,318.79	11	4,109.95	11	3,900.71	11	3,690.66	11	3,480.83	11	3,222.27	11	2,880.36	11	2,538.30
1/4		1/4		1/4	4,314.47	1/4	4,105.59	1/4	3,896.33	1/4	3,686.28	1/4	3,476.47	1/4	3,215.16	1/4	2,873.23	1/4	2,531.17
1/2		1/2		1/2	4,310.14	1/2	4,101.24	1/2	3,891.96	1/2	3,681.91	1/2	3,472.11	1/2	3,208.06	1/2	2,866.11	1/2	2,524.04
3/4		3/4		3/4	4,305.81	3/4	4,096.88	3/4	3,887.58	3/4	3,677.53	3/4	3,467.75	3/4	3,200.95	3/4	2,858.98	3/4	2,516.92

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 3304"

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	2,167.68	0	1,825.57	0	1,483.46	0	1,141.35	0	812.96	0	471.26	0	128.69	0		0		0	
1/4	2,160.56	1/4	1,818.45	1/4	1,476.34	1/4	1,134.22	1/4	806.07	1/4	464.13	1/4	121.55	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,153.43	1/2	1,811.32	1/2	1,469.21	1/2	1,127.10	1/2	799.17	1/2	457.00	1/2	114.41	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,146.30	3/4	1,804.19	3/4	1,462.08	3/4	1,120.20	3/4	792.04	3/4	449.87	3/4	107.28	3/4	3/4	3/4	3/4	3/4	3/4
1	2,139.17	1	1,797.06	1	1,454.95	1	1,113.31	1	784.91	1	442.74	1	100.15	1	1	1	1	1	1
1/4	2,132.05	1/4	1,789.94	1/4	1,447.83	1/4	1,106.41	1/4	777.79	1/4	435.61	1/4	93.02	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,124.92	1/2	1,782.81	1/2	1,440.70	1/2	1,099.52	1/2	770.66	1/2	428.48	1/2	85.89	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,117.79	3/4	1,775.68	3/4	1,433.57	3/4	1,092.69	3/4	763.53	3/4	421.36	3/4	78.79	3/4	3/4	3/4	3/4	3/4	3/4
2	2,110.67	2	1,768.55	2	1,426.44	2	1,085.86	2	756.40	2	414.23	2	71.69	2	2	2	2	2	2
1/4	2,103.54	1/4	1,761.43	1/4	1,419.32	1/4	1,079.04	1/4	749.27	1/4	407.10	1/4	64.58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,096.41	1/2	1,754.30	1/2	1,412.19	1/2	1,072.21	1/2	742.14	1/2	399.97	1/2	57.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,089.28	3/4	1,747.17	3/4	1,405.06	3/4	1,065.40	3/4	735.01	3/4	392.84	3/4	51.23	3/4	3/4	3/4	3/4	3/4	3/4
3	2,082.16	3	1,740.05	3	1,397.93	3	1,058.58	3	727.89	3	385.71	3	44.99	3	3	3	3	3	3
1/4	2,075.03	1/4	1,732.92	1/4	1,390.81	1/4	1,051.76	1/4	720.76	1/4	378.58	1/4	38.74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,067.90	1/2	1,725.79	1/2	1,383.68	1/2	1,044.94	1/2	713.63	1/2	371.46	1/2	32.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,060.77	3/4	1,718.66	3/4	1,376.55	3/4	1,038.13	3/4	706.50	3/4	364.31	3/4	28.03	3/4	3/4	3/4	3/4	3/4	3/4
4	2,053.65	4	1,711.54	4	1,369.43	4	1,031.31	4	699.37	4	357.17	4	23.57	4	4	4	4	4	4
1/4	2,046.52	1/4	1,704.41	1/4	1,362.30	1/4	1,024.49	1/4	692.24	1/4	350.03	1/4	19.11	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,039.39	1/2	1,697.28	1/2	1,355.17	1/2	1,017.67	1/2	685.11	1/2	342.89	1/2	14.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,032.26	3/4	1,690.15	3/4	1,348.04	3/4	1,010.86	3/4	677.98	3/4	335.75	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	2,025.14	5	1,683.03	5	1,340.92	5	1,004.04	5	670.86	5	328.61	5		5	5	5	5	5	5
1/4	2,018.01	1/4	1,675.90	1/4	1,333.79	1/4	997.22	1/4	663.73	1/4	321.47	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,010.88	1/2	1,668.77	1/2	1,326.66	1/2	990.40	1/2	656.60	1/2	314.33	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,003.76	3/4	1,661.65	3/4	1,319.53	3/4	983.59	3/4	649.47	3/4	307.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,996.63	6	1,654.52	6	1,312.41	6	976.77	6	642.34	6	300.05	6		6	6	6	6	6	6
1/4	1,989.50	1/4	1,647.39	1/4	1,305.28	1/4	969.95	1/4	635.21	1/4	292.91	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,982.37	1/2	1,640.26	1/2	1,298.15	1/2	963.13	1/2	628.08	1/2	285.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,975.25	3/4	1,633.14	3/4	1,291.03	3/4	956.32	3/4	620.96	3/4	278.63	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,968.12	7	1,626.01	7	1,283.90	7	949.50	7	613.83	7	271.49	7		7	7	7	7	7	7
1/4	1,960.99	1/4	1,618.88	1/4	1,276.77	1/4	942.68	1/4	606.70	1/4	264.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,953.86	1/2	1,611.75	1/2	1,269.64	1/2	935.86	1/2	599.57	1/2	257.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,946.74	3/4	1,604.63	3/4	1,262.52	3/4	929.05	3/4	592.44	3/4	250.07	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,939.61	8	1,597.50	8	1,255.39	8	922.23	8	585.31	8	242.93	8		8	8	8	8	8	8
1/4	1,932.48	1/4	1,590.37	1/4	1,248.26	1/4	915.41	1/4	578.18	1/4	235.79	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,925.36	1/2	1,583.24	1/2	1,241.13	1/2	908.60	1/2	571.06	1/2	228.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,918.23	3/4	1,576.12	3/4	1,234.01	3/4	901.78	3/4	563.93	3/4	221.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,911.10	9	1,568.99	9	1,226.88	9	894.96	9	556.80	9	214.37	9		9	9	9	9	9	9
1/4	1,903.97	1/4	1,561.86	1/4	1,219.75	1/4	888.14	1/4	549.67	1/4	207.23	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,896.85	1/2	1,554.74	1/2	1,212.63	1/2	881.33	1/2	542.54	1/2	200.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,889.72	3/4	1,547.61	3/4	1,205.50	3/4	874.51	3/4	535.41	3/4	192.95	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,882.59	10	1,540.48	10	1,198.37	10	867.69	10	528.28	10	185.81	10		10	10	10	10	10	10
1/4	1,875.46	1/4	1,533.35	1/4	1,191.24	1/4	860.88	1/4	521.16	1/4	178.67	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,868.34	1/2	1,526.23	1/2	1,184.12	1/2	854.06	1/2	514.03	1/2	171.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,861.21	3/4	1,519.10	3/4	1,176.99	3/4	847.23	3/4	506.90	3/4	164.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,854.08	11	1,511.97	11	1,169.86	11	840.41	11	499.77	11	157.25	11		11	11	11	11	11	11
1/4	1,846.95	1/4	1,504.84	1/4	1,162.73	1/4	833.58	1/4	492.64	1/4	150.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,839.83	1/2	1,497.72	1/2	1,155.61	1/2	826.76	1/2	485.51	1/2	142.97	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,832.70	3/4	1,490.59	3/4	1,148.48	3/4	819.86	3/4	478.38	3/4	135.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

3 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	4,312.35	0	4,103.85	0	3,894.98	0	3,685.36	0	3,475.74	0	3,209.33	0	2,868.61	0	2,527.45
1/4		1/4		1/4	4,308.03	1/4	4,099.50	1/4	3,890.61	1/4	3,680.99	1/4	3,471.38	1/4	3,202.25	1/4	2,861.51	1/4	2,520.33
1/2		1/2		1/2	4,303.71	1/2	4,095.15	1/2	3,886.24	1/2	3,676.63	1/2	3,467.01	1/2	3,195.16	1/2	2,854.40	1/2	2,513.21
3/4		3/4		3/4	4,299.39	3/4	4,090.80	3/4	3,881.88	3/4	3,672.26	3/4	3,462.64	3/4	3,188.08	3/4	2,847.30	3/4	2,506.09
1		1		1	4,295.07	1	4,086.46	1	3,877.51	1	3,667.89	1	3,458.28	1	3,180.99	1	2,840.20	1	2,498.97
1/4		1/4		1/4	4,290.75	1/4	4,082.11	1/4	3,873.14	1/4	3,663.53	1/4	3,453.91	1/4	3,173.91	1/4	2,833.10	1/4	2,491.85
1/2		1/2		1/2	4,286.43	1/2	4,077.76	1/2	3,868.77	1/2	3,659.16	1/2	3,449.54	1/2	3,166.82	1/2	2,825.99	1/2	2,484.73
3/4		3/4		3/4	4,282.11	3/4	4,073.41	3/4	3,864.41	3/4	3,654.79	3/4	3,445.18	3/4	3,159.74	3/4	2,818.89	3/4	2,477.61
2		2		2	4,277.76	2	4,069.06	2	3,860.04	2	3,650.42	2	3,440.81	2	3,152.65	2	2,811.79	2	2,470.48
1/4		1/4		1/4	4,273.42	1/4	4,064.72	1/4	3,855.67	1/4	3,646.06	1/4	3,436.44	1/4	3,145.57	1/4	2,804.69	1/4	2,463.36
1/2		1/2		1/2	4,269.07	1/2	4,060.37	1/2	3,851.31	1/2	3,641.69	1/2	3,432.07	1/2	3,138.48	1/2	2,797.59	1/2	2,456.24
3/4		3/4		3/4	4,264.72	3/4	4,056.02	3/4	3,846.94	3/4	3,637.32	3/4	3,427.71	3/4	3,131.40	3/4	2,790.48	3/4	2,449.12
3		3		3	4,260.37	3	4,051.67	3	3,842.57	3	3,632.96	3	3,423.34	3	3,124.30	3	2,783.38	3	2,442.00
1/4		1/4		1/4	4,256.02	1/4	4,047.33	1/4	3,838.21	1/4	3,628.59	1/4	3,418.97	1/4	3,117.19	1/4	2,776.28	1/4	2,434.88
1/2		1/2		1/2	4,251.68	1/2	4,042.98	1/2	3,833.84	1/2	3,624.22	1/2	3,414.61	1/2	3,110.09	1/2	2,769.18	1/2	2,427.76
3/4		3/4		3/4	4,247.33	3/4	4,038.63	3/4	3,829.47	3/4	3,619.86	3/4	3,410.24	3/4	3,102.99	3/4	2,762.07	3/4	2,420.64
4		4		4	4,242.98	4	4,034.28	4	3,825.10	4	3,615.49	4	3,405.87	4	3,095.89	4	2,754.97	4	2,413.52
1/4		1/4		1/4	4,238.63	1/4	4,029.93	1/4	3,820.74	1/4	3,611.12	1/4	3,401.51	1/4	3,088.78	1/4	2,747.87	1/4	2,406.40
1/2		1/2		1/2	4,234.28	1/2	4,025.59	1/2	3,816.37	1/2	3,606.75	1/2	3,397.14	1/2	3,081.68	1/2	2,740.77	1/2	2,399.28
3/4		3/4		3/4	4,229.94	3/4	4,021.24	3/4	3,812.00	3/4	3,602.39	3/4	3,392.77	3/4	3,074.58	3/4	2,733.66	3/4	2,392.16
5		5		5	4,225.59	5	4,016.89	5	3,807.64	5	3,598.02	5	3,388.44	5	3,067.48	5	2,726.56	5	2,385.04
1/4		1/4		1/4	4,221.24	1/4	4,012.54	1/4	3,803.27	1/4	3,593.65	1/4	3,384.11	1/4	3,060.37	1/4	2,719.46	1/4	2,377.92
1/2		1/2		1/2	4,216.89	1/2	4,008.19	1/2	3,798.90	1/2	3,589.29	1/2	3,379.78	1/2	3,053.27	1/2	2,712.36	1/2	2,370.80
3/4		3/4	4,397.69	3/4	4,212.55	3/4	4,003.85	3/4	3,794.54	3/4	3,584.92	3/4	3,375.45	3/4	3,046.17	3/4	2,705.25	3/4	2,363.68
6		6	4,395.98	6	4,208.20	6	3,999.50	6	3,790.17	6	3,580.55	6	3,371.12	6	3,039.07	6	2,698.15	6	2,356.55
1/4		1/4	4,394.28	1/4	4,203.85	1/4	3,995.15	1/4	3,785.80	1/4	3,576.19	1/4	3,366.78	1/4	3,031.96	1/4	2,691.05	1/4	2,349.43
1/2		1/2	4,392.57	1/2	4,199.50	1/2	3,990.80	1/2	3,781.43	1/2	3,571.82	1/2	3,362.45	1/2	3,024.86	1/2	2,683.95	1/2	2,342.31
3/4		3/4	4,390.87	3/4	4,195.15	3/4	3,986.45	3/4	3,777.07	3/4	3,567.45	3/4	3,358.12	3/4	3,017.76	3/4	2,676.84	3/4	2,335.19
7		7	4,388.62	7	4,190.81	7	3,982.11	7	3,772.70	7	3,563.08	7	3,351.04	7	3,010.66	7	2,669.74	7	2,328.07
1/4		1/4	4,386.38	1/4	4,186.46	1/4	3,977.76	1/4	3,768.33	1/4	3,558.72	1/4	3,343.95	1/4	3,003.55	1/4	2,662.64	1/4	2,320.95
1/2		1/2	4,384.14	1/2	4,182.11	1/2	3,973.41	1/2	3,763.97	1/2	3,554.35	1/2	3,336.87	1/2	2,996.45	1/2	2,655.54	1/2	2,313.83
3/4		3/4	4,381.89	3/4	4,177.76	3/4	3,969.06	3/4	3,759.60	3/4	3,549.98	3/4	3,329.78	3/4	2,989.35	3/4	2,648.43	3/4	2,306.71
8		8	4,378.46	8	4,173.41	8	3,964.71	8	3,755.23	8	3,545.62	8	3,322.70	8	2,982.25	8	2,641.33	8	2,299.59
1/4		1/4	4,375.03	1/4	4,169.07	1/4	3,960.37	1/4	3,750.87	1/4	3,541.25	1/4	3,315.61	1/4	2,975.15	1/4	2,634.23	1/4	2,292.47
1/2		1/2	4,371.60	1/2	4,164.72	1/2	3,956.02	1/2	3,746.50	1/2	3,536.88	1/2	3,308.53	1/2	2,968.04	1/2	2,627.13	1/2	2,285.35
3/4		3/4	4,368.17	3/4	4,160.37	3/4	3,951.67	3/4	3,742.13	3/4	3,532.52	3/4	3,301.44	3/4	2,960.94	3/4	2,620.03	3/4	2,278.23
9		9	4,363.92	9	4,156.02	9	3,947.32	9	3,737.76	9	3,528.15	9	3,294.36	9	2,953.84	9	2,612.90	9	2,271.11
1/4		1/4	4,359.67	1/4	4,151.67	1/4	3,942.98	1/4	3,733.40	1/4	3,523.78	1/4	3,287.27	1/4	2,946.74	1/4	2,605.78	1/4	2,263.99
1/2		1/2	4,355.41	1/2	4,147.33	1/2	3,938.63	1/2	3,729.03	1/2	3,519.41	1/2	3,280.19	1/2	2,939.63	1/2	2,598.66	1/2	2,256.87
3/4		3/4	4,351.16	3/4	4,142.98	3/4	3,934.28	3/4	3,724.66	3/4	3,515.05	3/4	3,273.10	3/4	2,932.53	3/4	2,591.54	3/4	2,249.75
10		10	4,346.86	10	4,138.63	10	3,929.91	10	3,720.30	10	3,510.68	10	3,266.01	10	2,925.43	10	2,584.42	10	2,242.63
1/4		1/4	4,342.55	1/4	4,134.28	1/4	3,925.55	1/4	3,715.93	1/4	3,506.31	1/4	3,258.93	1/4	2,918.33	1/4	2,577.30	1/4	2,235.50
1/2		1/2	4,338.24	1/2	4,129.94	1/2	3,921.18	1/2	3,711.56	1/2	3,501.95	1/2	3,251.84	1/2	2,911.22	1/2	2,570.18	1/2	2,228.38
3/4		3/4	4,333.94	3/4	4,125.59	3/4	3,916.81	3/4	3,707.20	3/4	3,497.58	3/4	3,244.76	3/4	2,904.12	3/4	2,563.06	3/4	2,221.26
11		11	4,329.62	11	4,121.24	11	3,912.44	11	3,702.83	11	3,493.21	11	3,237.67	11	2,897.02	11	2,555.94	11	2,214.14
1/4		1/4	4,325.30	1/4	4,116.89	1/4	3,908.08	1/4	3,698.46	1/4	3,488.85	1/4	3,230.59	1/4	2,889.92	1/4	2,548.81	1/4	2,207.02
1/2		1/2	4,320.99	1/2	4,112.54	1/2	3,903.71	1/2	3,694.09	1/2	3,484.48	1/2	3,223.50	1/2	2,882.81	1/2	2,541.69	1/2	2,199.90
3/4		3/4	4,316.67	3/4	4,108.20	3/4	3,899.34	3/4	3,689.73	3/4	3,480.11	3/4	3,216.42	3/4	2,875.71	3/4	2,534.57	3/4	2,192.78

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 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 3304"

3 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	2,185.66	0	1,843.87	0	1,502.08	0	1,160.29	0	819.00	0	477.23	0	135.45	0		0		0	
1/4	2,178.54	1/4	1,836.75	1/4	1,494.96	1/4	1,153.17	1/4	811.88	1/4	470.11	1/4	128.33	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,171.42	1/2	1,829.63	1/2	1,487.84	1/2	1,146.05	1/2	804.76	1/2	462.99	1/2	121.21	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,164.30	3/4	1,822.51	3/4	1,480.72	3/4	1,138.93	3/4	797.64	3/4	455.86	3/4	114.10	3/4	3/4	3/4	3/4	3/4	3/4
1	2,157.18	1	1,815.39	1	1,473.60	1	1,131.81	1	790.52	1	448.74	1	106.99	1	1	1	1	1	1
1/4	2,150.06	1/4	1,808.27	1/4	1,466.48	1/4	1,124.69	1/4	783.40	1/4	441.62	1/4	99.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,142.94	1/2	1,801.15	1/2	1,459.36	1/2	1,117.57	1/2	776.28	1/2	434.50	1/2	92.77	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,135.82	3/4	1,794.03	3/4	1,452.24	3/4	1,110.45	3/4	769.16	3/4	427.38	3/4	85.66	3/4	3/4	3/4	3/4	3/4	3/4
2	2,128.70	2	1,786.91	2	1,445.12	2	1,103.34	2	762.04	2	420.26	2	78.57	2	2	2	2	2	2
1/4	2,121.58	1/4	1,779.79	1/4	1,438.00	1/4	1,096.22	1/4	754.92	1/4	413.14	1/4	71.49	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,114.45	1/2	1,772.67	1/2	1,430.88	1/2	1,089.11	1/2	747.80	1/2	406.02	1/2	64.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,107.33	3/4	1,765.55	3/4	1,423.76	3/4	1,081.99	3/4	740.68	3/4	398.90	3/4	57.32	3/4	3/4	3/4	3/4	3/4	3/4
3	2,100.21	3	1,758.42	3	1,416.64	3	1,074.89	3	733.56	3	391.78	3	51.09	3	3	3	3	3	3
1/4	2,093.09	1/4	1,751.30	1/4	1,409.52	1/4	1,067.78	1/4	726.44	1/4	384.66	1/4	44.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,085.97	1/2	1,744.18	1/2	1,402.39	1/2	1,060.67	1/2	719.32	1/2	377.54	1/2	38.63	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,078.85	3/4	1,737.06	3/4	1,395.27	3/4	1,053.57	3/4	712.20	3/4	370.42	3/4	32.40	3/4	3/4	3/4	3/4	3/4	3/4
4	2,071.73	4	1,729.94	4	1,388.15	4	1,046.46	4	705.08	4	363.30	4	27.95	4	4	4	4	4	4
1/4	2,064.61	1/4	1,722.82	1/4	1,381.03	1/4	1,039.35	1/4	697.95	1/4	356.18	1/4	23.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,057.49	1/2	1,715.70	1/2	1,373.91	1/2	1,032.25	1/2	690.83	1/2	349.06	1/2	19.05	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,050.37	3/4	1,708.58	3/4	1,366.79	3/4	1,025.14	3/4	683.71	3/4	341.94	3/4	14.60	3/4	3/4	3/4	3/4	3/4	3/4
5	2,043.25	5	1,701.46	5	1,359.67	5	1,018.03	5	676.59	5	334.82	5		5	5	5	5	5	5
1/4	2,036.13	1/4	1,694.34	1/4	1,352.55	1/4	1,010.93	1/4	669.47	1/4	327.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,029.01	1/2	1,687.22	1/2	1,345.43	1/2	1,003.82	1/2	662.35	1/2	320.58	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,021.89	3/4	1,680.10	3/4	1,338.31	3/4	996.71	3/4	655.23	3/4	313.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,014.77	6	1,672.98	6	1,331.19	6	989.61	6	648.11	6	306.34	6		6	6	6	6	6	6
1/4	2,007.65	1/4	1,665.86	1/4	1,324.07	1/4	982.50	1/4	640.99	1/4	299.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,000.52	1/2	1,658.74	1/2	1,316.95	1/2	975.39	1/2	633.87	1/2	292.10	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,993.40	3/4	1,651.62	3/4	1,309.83	3/4	968.29	3/4	626.75	3/4	284.98	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,986.28	7	1,644.49	7	1,302.71	7	961.18	7	619.63	7	277.86	7		7	7	7	7	7	7
1/4	1,979.16	1/4	1,637.37	1/4	1,295.59	1/4	954.07	1/4	612.51	1/4	270.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,972.04	1/2	1,630.25	1/2	1,288.46	1/2	946.97	1/2	605.39	1/2	263.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,964.92	3/4	1,623.13	3/4	1,281.34	3/4	939.86	3/4	598.27	3/4	256.50	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,957.80	8	1,616.01	8	1,274.22	8	932.75	8	591.15	8	249.38	8		8	8	8	8	8	8
1/4	1,950.68	1/4	1,608.89	1/4	1,267.10	1/4	925.65	1/4	584.03	1/4	242.26	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,943.56	1/2	1,601.77	1/2	1,259.98	1/2	918.54	1/2	576.91	1/2	235.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,936.44	3/4	1,594.65	3/4	1,252.86	3/4	911.43	3/4	569.79	3/4	228.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,929.32	9	1,587.53	9	1,245.74	9	904.33	9	562.67	9	220.89	9		9	9	9	9	9	9
1/4	1,922.20	1/4	1,580.41	1/4	1,238.62	1/4	897.22	1/4	555.55	1/4	213.77	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,915.08	1/2	1,573.29	1/2	1,231.50	1/2	890.12	1/2	548.43	1/2	206.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,907.96	3/4	1,566.17	3/4	1,224.38	3/4	883.01	3/4	541.31	3/4	199.53	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,900.84	10	1,559.05	10	1,217.26	10	875.90	10	534.19	10	192.41	10		10	10	10	10	10	10
1/4	1,893.72	1/4	1,551.93	1/4	1,210.14	1/4	868.80	1/4	527.07	1/4	185.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,886.60	1/2	1,544.81	1/2	1,203.02	1/2	861.69	1/2	519.95	1/2	178.17	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,879.47	3/4	1,537.69	3/4	1,195.90	3/4	854.58	3/4	512.83	3/4	171.05	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,872.35	11	1,530.57	11	1,188.78	11	847.47	11	505.71	11	163.93	11		11	11	11	11	11	11
1/4	1,865.23	1/4	1,523.44	1/4	1,181.66	1/4	840.35	1/4	498.59	1/4	156.81	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,858.11	1/2	1,516.32	1/2	1,174.54	1/2	833.24	1/2	491.47	1/2	149.69	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,850.99	3/4	1,509.20	3/4	1,167.41	3/4	826.12	3/4	484.35	3/4	142.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3304"

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 8, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "FMT 3304"

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	252.08	0	582.90	0	924.42	0	1,266.20	0	1,609.17	0	1,952.14	0	2,295.11	0	2,638.06	0	2,981.01
1/4	3.94	1/4	258.56	1/4	590.04	1/4	931.51	1/4	1,273.34	1/4	1,616.31	1/4	1,959.28	1/4	2,302.25	1/4	2,645.21	1/4	2,988.15
1/2	5.73	1/2	265.04	1/2	597.19	1/2	938.59	1/2	1,280.49	1/2	1,623.46	1/2	1,966.43	1/2	2,309.40	1/2	2,652.35	1/2	2,995.30
3/4	7.51	3/4	271.52	3/4	604.33	3/4	945.67	3/4	1,287.63	3/4	1,630.60	3/4	1,973.57	3/4	2,316.54	3/4	2,659.50	3/4	3,002.44
1	9.30	1	277.99	1	611.48	1	952.76	1	1,294.78	1	1,637.75	1	1,980.72	1	2,323.69	1	2,666.64	1	3,009.59
1/4	12.10	1/4	284.55	1/4	618.62	1/4	959.84	1/4	1,301.92	1/4	1,644.89	1/4	1,987.86	1/4	2,330.83	1/4	2,673.79	1/4	3,016.73
1/2	14.90	1/2	291.11	1/2	625.77	1/2	966.93	1/2	1,309.07	1/2	1,652.04	1/2	1,995.01	1/2	2,337.98	1/2	2,680.93	1/2	3,023.87
3/4	17.70	3/4	297.67	3/4	632.91	3/4	974.01	3/4	1,316.21	3/4	1,659.18	3/4	2,002.15	3/4	2,345.12	3/4	2,688.08	3/4	3,031.01
2	20.50	2	304.24	2	640.06	2	981.10	2	1,323.36	2	1,666.33	2	2,009.30	2	2,352.27	2	2,695.22	2	3,038.16
1/4	24.35	1/4	310.88	1/4	647.20	1/4	988.18	1/4	1,330.50	1/4	1,673.47	1/4	2,016.44	1/4	2,359.41	1/4	2,702.37	1/4	3,045.30
1/2	28.21	1/2	317.52	1/2	654.35	1/2	995.27	1/2	1,337.65	1/2	1,680.62	1/2	2,023.59	1/2	2,366.56	1/2	2,709.51	1/2	3,052.44
3/4	32.06	3/4	324.17	3/4	661.49	3/4	1,002.35	3/4	1,344.80	3/4	1,687.76	3/4	2,030.73	3/4	2,373.70	3/4	2,716.66	3/4	3,059.59
3	35.92	3	330.81	3	668.64	3	1,009.44	3	1,351.94	3	1,694.91	3	2,037.88	3	2,380.85	3	2,723.80	3	3,066.73
1/4	41.18	1/4	337.54	1/4	675.78	1/4	1,016.53	1/4	1,359.09	1/4	1,702.06	1/4	2,045.02	1/4	2,387.99	1/4	2,730.95	1/4	3,073.87
1/2	46.44	1/2	344.27	1/2	682.93	1/2	1,023.62	1/2	1,366.23	1/2	1,709.20	1/2	2,052.17	1/2	2,395.14	1/2	2,738.09	1/2	3,081.01
3/4	51.70	3/4	350.99	3/4	690.07	3/4	1,030.70	3/4	1,373.38	3/4	1,716.35	3/4	2,059.32	3/4	2,402.28	3/4	2,745.23	3/4	3,088.16
4	56.96	4	357.72	4	697.22	4	1,037.79	4	1,380.52	4	1,723.49	4	2,066.46	4	2,409.43	4	2,752.38	4	3,095.30
1/4	62.75	1/4	364.53	1/4	704.36	1/4	1,044.90	1/4	1,387.67	1/4	1,730.64	1/4	2,073.61	1/4	2,416.58	1/4	2,759.52	1/4	3,102.44
1/2	68.53	1/2	371.34	1/2	711.51	1/2	1,052.00	1/2	1,394.81	1/2	1,737.78	1/2	2,080.75	1/2	2,423.72	1/2	2,766.67	1/2	3,109.59
3/4	74.32	3/4	378.16	3/4	718.65	3/4	1,059.10	3/4	1,401.96	3/4	1,744.93	3/4	2,087.90	3/4	2,430.87	3/4	2,773.81	3/4	3,116.73
5	80.10	5	384.97	5	725.80	5	1,066.20	5	1,409.10	5	1,752.07	5	2,095.04	5	2,438.01	5	2,780.96	5	3,123.87
1/4	85.99	1/4	391.86	1/4	732.92	1/4	1,073.33	1/4	1,416.25	1/4	1,759.22	1/4	2,102.19	1/4	2,445.16	1/4	2,788.10	1/4	3,131.01
1/2	91.88	1/2	398.76	1/2	740.05	1/2	1,080.46	1/2	1,423.39	1/2	1,766.36	1/2	2,109.33	1/2	2,452.30	1/2	2,795.25	1/2	3,138.16
3/4	97.76	3/4	405.65	3/4	747.18	3/4	1,087.59	3/4	1,430.54	3/4	1,773.51	3/4	2,116.48	3/4	2,459.45	3/4	2,802.39	3/4	3,145.30
6	103.65	6	412.54	6	754.31	6	1,094.71	6	1,437.68	6	1,780.65	6	2,123.62	6	2,466.59	6	2,809.54	6	3,152.44
1/4	109.63	1/4	419.52	1/4	761.41	1/4	1,101.86	1/4	1,444.83	1/4	1,787.80	1/4	2,130.77	1/4	2,473.74	1/4	2,816.68	1/4	3,159.58
1/2	115.60	1/2	426.50	1/2	768.51	1/2	1,109.00	1/2	1,451.97	1/2	1,794.94	1/2	2,137.91	1/2	2,480.88	1/2	2,823.83	1/2	3,166.73
3/4	121.58	3/4	433.47	3/4	775.61	3/4	1,116.15	3/4	1,459.12	3/4	1,802.09	3/4	2,145.06	3/4	2,488.03	3/4	2,830.97	3/4	3,173.87
7	127.55	7	440.45	7	782.71	7	1,123.29	7	1,466.26	7	1,809.23	7	2,152.20	7	2,495.17	7	2,838.12	7	3,181.01
1/4	133.61	1/4	447.50	1/4	789.80	1/4	1,130.44	1/4	1,473.41	1/4	1,816.38	1/4	2,159.35	1/4	2,502.32	1/4	2,845.26	1/4	3,188.16
1/2	139.67	1/2	454.56	1/2	796.89	1/2	1,137.58	1/2	1,480.55	1/2	1,823.52	1/2	2,166.49	1/2	2,509.46	1/2	2,852.41	1/2	3,195.30
3/4	145.73	3/4	461.62	3/4	803.98	3/4	1,144.73	3/4	1,487.70	3/4	1,830.67	3/4	2,173.64	3/4	2,516.61	3/4	2,859.55	3/4	3,202.44
8	151.79	8	468.67	8	811.07	8	1,151.87	8	1,494.84	8	1,837.81	8	2,180.78	8	2,523.75	8	2,866.69	8	3,209.58
1/4	157.93	1/4	475.79	1/4	818.15	1/4	1,159.02	1/4	1,501.99	1/4	1,844.96	1/4	2,187.93	1/4	2,530.90	1/4	2,873.84	1/4	3,216.73
1/2	164.08	1/2	482.91	1/2	825.24	1/2	1,166.17	1/2	1,509.13	1/2	1,852.10	1/2	2,195.07	1/2	2,538.04	1/2	2,880.98	1/2	3,223.87
3/4	170.22	3/4	490.04	3/4	832.32	3/4	1,173.31	3/4	1,516.28	3/4	1,859.25	3/4	2,202.22	3/4	2,545.19	3/4	2,888.13	3/4	3,231.01
9	176.36	9	497.16	9	839.41	9	1,180.46	9	1,523.43	9	1,866.39	9	2,209.36	9	2,552.33	9	2,895.27	9	3,238.16
1/4	182.59	1/4	504.30	1/4	846.49	1/4	1,187.60	1/4	1,530.57	1/4	1,873.54	1/4	2,216.51	1/4	2,559.48	1/4	2,902.42	1/4	3,245.30
1/2	188.82	1/2	511.45	1/2	853.57	1/2	1,194.75	1/2	1,537.72	1/2	1,880.69	1/2	2,223.65	1/2	2,566.62	1/2	2,909.56	1/2	3,252.44
3/4	195.04	3/4	518.59	3/4	860.66	3/4	1,201.89	3/4	1,544.86	3/4	1,887.83	3/4	2,230.80	3/4	2,573.77	3/4	2,916.71	3/4	3,259.58
10	201.27	10	525.74	10	867.74	10	1,209.04	10	1,552.01	10	1,894.98	10	2,237.95	10	2,580.91	10	2,923.85	10	3,266.73
1/4	207.58	1/4	532.88	1/4	874.83	1/4	1,216.18	1/4	1,559.15	1/4	1,902.12	1/4	2,245.09	1/4	2,588.06	1/4	2,931.00	1/4	3,273.87
1/2	213.89	1/2	540.03	1/2	881.91	1/2	1,223.33	1/2	1,566.30	1/2	1,909.27	1/2	2,252.24	1/2	2,595.21	1/2	2,938.14	1/2	3,281.01
3/4	220.20	3/4	547.17	3/4	889.00	3/4	1,230.47	3/4	1,573.44	3/4	1,916.41	3/4	2,259.38	3/4	2,602.35	3/4	2,945.29	3/4	3,288.16
11	226.51	11	554.32	11	896.08	11	1,237.62	11	1,580.59	11	1,923.56	11	2,266.53	11	2,609.50	11	2,952.43	11	3,295.30
1/4	232.90	1/4	561.46	1/4	903.17	1/4	1,244.76	1/4	1,587.73	1/4	1,930.70	1/4	2,273.67	1/4	2,616.64	1/4	2,959.58	1/4	3,302.44
1/2	239.30	1/2	568.61	1/2	910.25	1/2	1,251.91	1/2	1,594.88	1/2	1,937.85	1/2	2,280.82	1/2	2,623.78	1/2	2,966.72	1/2	3,309.58
3/4	245.69	3/4	575.75	3/4	917.34	3/4	1,259.05	3/4	1,602.02	3/4	1,944.99	3/4	2,287.96	3/4	2,630.92	3/4	2,973.87	3/4	3,316.73

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 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
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 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "FMT 3304"

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	3,323.87	0	3,666.73	0	4,009.68	0	4,352.17	0	4,693.55	0	5,014.78	0		0		0		0	
1/4	3,331.01	1/4	3,673.87	1/4	4,016.82	1/4	4,359.28	1/4	4,700.66	1/4	5,017.98	1/4		1/4		1/4		1/4	
1/2	3,338.15	1/2	3,681.02	1/2	4,023.97	1/2	4,366.39	1/2	4,707.77	1/2	5,021.18	1/2		1/2		1/2		1/2	
3/4	3,345.30	3/4	3,688.16	3/4	4,031.11	3/4	4,373.50	3/4	4,714.88	3/4	5,024.37	3/4		3/4		3/4		3/4	
1	3,352.44	1	3,695.31	1	4,038.26	1	4,380.61	1	4,721.99	1	5,027.57	1		1		1		1	
1/4	3,359.58	1/4	3,702.45	1/4	4,045.40	1/4	4,387.73	1/4	4,729.11	1/4	5,029.58	1/4		1/4		1/4		1/4	
1/2	3,366.73	1/2	3,709.60	1/2	4,052.55	1/2	4,394.84	1/2	4,736.22	1/2	5,031.58	1/2		1/2		1/2		1/2	
3/4	3,373.87	3/4	3,716.74	3/4	4,059.69	3/4	4,401.95	3/4	4,743.33	3/4	5,033.59	3/4		3/4		3/4		3/4	
2	3,381.01	2	3,723.89	2	4,066.84	2	4,409.06	2	4,750.44	2	5,035.60	2		2		2		2	
1/4	3,388.15	1/4	3,731.03	1/4	4,073.98	1/4	4,416.17	1/4	4,757.56	1/4	5,036.52	1/4		1/4		1/4		1/4	
1/2	3,395.30	1/2	3,738.18	1/2	4,081.13	1/2	4,423.29	1/2	4,764.67	1/2	5,037.45	1/2		1/2		1/2		1/2	
3/4	3,402.44	3/4	3,745.32	3/4	4,088.27	3/4	4,430.40	3/4	4,771.78	3/4	5,038.38	3/4		3/4		3/4		3/4	
3	3,409.58	3	3,752.47	3	4,095.42	3	4,437.51	3	4,778.89	3	5,039.31	3		3		3		3	
1/4	3,416.73	1/4	3,759.61	1/4	4,102.56	1/4	4,444.62	1/4	4,786.00	1/4		1/4		1/4		1/4		1/4	
1/2	3,423.87	1/2	3,766.76	1/2	4,109.71	1/2	4,451.73	1/2	4,793.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,431.01	3/4	3,773.90	3/4	4,116.85	3/4	4,458.85	3/4	4,800.23	3/4		3/4		3/4		3/4		3/4	
4	3,438.15	4	3,781.05	4	4,124.00	4	4,465.96	4	4,807.34	4		4		4		4		4	
1/4	3,445.30	1/4	3,788.19	1/4	4,131.14	1/4	4,473.07	1/4	4,814.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,452.44	1/2	3,795.34	1/2	4,138.29	1/2	4,480.18	1/2	4,821.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,459.58	3/4	3,802.48	3/4	4,145.43	3/4	4,487.30	3/4	4,828.61	3/4		3/4		3/4		3/4		3/4	
5	3,466.73	5	3,809.62	5	4,152.58	5	4,494.41	5	4,835.70	5		5		5		5		5	
1/4	3,473.87	1/4	3,816.77	1/4	4,159.72	1/4	4,501.52	1/4	4,842.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,481.01	1/2	3,823.91	1/2	4,166.86	1/2	4,508.63	1/2	4,849.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,488.15	3/4	3,831.06	3/4	4,174.01	3/4	4,515.74	3/4	4,856.90	3/4		3/4		3/4		3/4		3/4	
6	3,495.30	6	3,838.20	6	4,181.15	6	4,522.86	6	4,863.96	6		6		6		6		6	
1/4	3,502.44	1/4	3,845.35	1/4	4,188.30	1/4	4,529.97	1/4	4,871.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,509.58	1/2	3,852.49	1/2	4,195.44	1/2	4,537.08	1/2	4,878.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,516.72	3/4	3,859.64	3/4	4,202.59	3/4	4,544.19	3/4	4,885.17	3/4		3/4		3/4		3/4		3/4	
7	3,523.87	7	3,866.78	7	4,209.73	7	4,551.30	7	4,892.23	7		7		7		7		7	
1/4	3,531.01	1/4	3,873.93	1/4	4,216.88	1/4	4,558.42	1/4	4,899.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,538.15	1/2	3,881.07	1/2	4,224.02	1/2	4,565.53	1/2	4,906.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,545.30	3/4	3,888.22	3/4	4,231.17	3/4	4,572.64	3/4	4,913.41	3/4		3/4		3/4		3/4		3/4	
8	3,552.44	8	3,895.36	8	4,238.31	8	4,579.75	8	4,920.47	8		8		8		8		8	
1/4	3,559.58	1/4	3,902.51	1/4	4,245.44	1/4	4,586.86	1/4	4,927.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,566.72	1/2	3,909.65	1/2	4,252.57	1/2	4,593.98	1/2	4,934.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,573.87	3/4	3,916.80	3/4	4,259.69	3/4	4,601.09	3/4	4,941.55	3/4		3/4		3/4		3/4		3/4	
9	3,581.01	9	3,923.94	9	4,266.82	9	4,608.20	9	4,948.57	9		9		9		9		9	
1/4	3,588.15	1/4	3,931.09	1/4	4,273.93	1/4	4,615.31	1/4	4,955.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,595.30	1/2	3,938.23	1/2	4,281.04	1/2	4,622.43	1/2	4,961.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,602.44	3/4	3,945.38	3/4	4,288.16	3/4	4,629.54	3/4	4,968.33	3/4		3/4		3/4		3/4		3/4	
10	3,609.58	10	3,952.52	10	4,295.27	10	4,636.65	10	4,974.92	10		10		10		10		10	
1/4	3,616.72	1/4	3,959.67	1/4	4,302.38	1/4	4,643.76	1/4	4,980.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,623.87	1/2	3,966.81	1/2	4,309.49	1/2	4,650.87	1/2	4,986.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,631.01	3/4	3,973.96	3/4	4,316.61	3/4	4,657.99	3/4	4,991.65	3/4		3/4		3/4		3/4		3/4	
11	3,638.15	11	3,981.10	11	4,323.72	11	4,665.10	11	4,997.23	11		11		11		11		11	
1/4	3,645.29	1/4	3,988.24	1/4	4,330.83	1/4	4,672.21	1/4	5,001.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,652.44	1/2	3,995.39	1/2	4,337.94	1/2	4,679.32	1/2	5,006.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,659.58	3/4	4,002.53	3/4	4,345.05	3/4	4,686.43	3/4	5,010.40	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

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	252.28	0	583.44	0	926.55	0	1,269.72	0	1,613.01	0	1,956.30	0	2,299.59	0	2,642.88	0	2,986.14
1/4	3.94	1/4	258.77	1/4	590.59	1/4	933.70	1/4	1,276.87	1/4	1,620.16	1/4	1,963.45	1/4	2,306.74	1/4	2,650.03	1/4	2,993.30
1/2	5.73	1/2	265.25	1/2	597.74	1/2	940.84	1/2	1,284.02	1/2	1,627.31	1/2	1,970.61	1/2	2,313.90	1/2	2,657.18	1/2	3,000.45
3/4	7.52	3/4	271.73	3/4	604.89	3/4	947.98	3/4	1,291.17	3/4	1,634.47	3/4	1,977.76	3/4	2,321.05	3/4	2,664.33	3/4	3,007.60
1	9.31	1	278.21	1	612.04	1	955.13	1	1,298.33	1	1,641.62	1	1,984.91	1	2,328.20	1	2,671.48	1	3,014.75
1/4	12.11	1/4	284.78	1/4	619.20	1/4	962.27	1/4	1,305.48	1/4	1,648.77	1/4	1,992.06	1/4	2,335.35	1/4	2,678.63	1/4	3,021.90
1/2	14.91	1/2	291.35	1/2	626.35	1/2	969.41	1/2	1,312.63	1/2	1,655.92	1/2	1,999.21	1/2	2,342.50	1/2	2,685.79	1/2	3,029.05
3/4	17.71	3/4	297.91	3/4	633.50	3/4	976.56	3/4	1,319.78	3/4	1,663.07	3/4	2,006.36	3/4	2,349.66	3/4	2,692.94	3/4	3,036.20
2	20.51	2	304.48	2	640.65	2	983.70	2	1,326.93	2	1,670.23	2	2,013.52	2	2,356.81	2	2,700.09	2	3,043.35
1/4	24.37	1/4	311.13	1/4	647.80	1/4	990.84	1/4	1,334.09	1/4	1,677.38	1/4	2,020.67	1/4	2,363.96	1/4	2,707.24	1/4	3,050.50
1/2	28.23	1/2	317.78	1/2	654.95	1/2	997.98	1/2	1,341.24	1/2	1,684.53	1/2	2,027.82	1/2	2,371.11	1/2	2,714.39	1/2	3,057.65
3/4	32.09	3/4	324.43	3/4	662.11	3/4	1,005.13	3/4	1,348.39	3/4	1,691.68	3/4	2,034.97	3/4	2,378.26	3/4	2,721.54	3/4	3,064.80
3	35.95	3	331.08	3	669.26	3	1,012.27	3	1,355.54	3	1,698.83	3	2,042.12	3	2,385.42	3	2,728.69	3	3,071.94
1/4	41.21	1/4	337.81	1/4	676.41	1/4	1,019.42	1/4	1,362.69	1/4	1,705.98	1/4	2,049.28	1/4	2,392.57	1/4	2,735.85	1/4	3,079.09
1/2	46.47	1/2	344.55	1/2	683.56	1/2	1,026.57	1/2	1,369.85	1/2	1,713.14	1/2	2,056.43	1/2	2,399.72	1/2	2,743.00	1/2	3,086.24
3/4	51.74	3/4	351.28	3/4	690.71	3/4	1,033.71	3/4	1,377.00	3/4	1,720.29	3/4	2,063.58	3/4	2,406.87	3/4	2,750.15	3/4	3,093.39
4	57.00	4	358.01	4	697.86	4	1,040.86	4	1,384.15	4	1,727.44	4	2,070.73	4	2,414.02	4	2,757.30	4	3,100.54
1/4	62.79	1/4	364.83	1/4	705.02	1/4	1,048.01	1/4	1,391.30	1/4	1,734.59	1/4	2,077.88	1/4	2,421.17	1/4	2,764.45	1/4	3,107.69
1/2	68.58	1/2	371.65	1/2	712.17	1/2	1,055.16	1/2	1,398.45	1/2	1,741.74	1/2	2,085.04	1/2	2,428.33	1/2	2,771.60	1/2	3,114.84
3/4	74.37	3/4	378.46	3/4	719.32	3/4	1,062.31	3/4	1,405.61	3/4	1,748.90	3/4	2,092.19	3/4	2,435.48	3/4	2,778.75	3/4	3,121.99
5	80.16	5	385.28	5	726.47	5	1,069.47	5	1,412.76	5	1,756.05	5	2,099.34	5	2,442.63	5	2,785.91	5	3,129.14
1/4	86.05	1/4	392.18	1/4	733.62	1/4	1,076.62	1/4	1,419.91	1/4	1,763.20	1/4	2,106.49	1/4	2,449.78	1/4	2,793.06	1/4	3,136.29
1/2	91.95	1/2	399.08	1/2	740.77	1/2	1,083.77	1/2	1,427.06	1/2	1,770.35	1/2	2,113.64	1/2	2,456.93	1/2	2,800.21	1/2	3,143.44
3/4	97.84	3/4	405.98	3/4	747.93	3/4	1,090.92	3/4	1,434.21	3/4	1,777.50	3/4	2,120.80	3/4	2,464.09	3/4	2,807.36	3/4	3,150.59
6	103.73	6	412.88	6	755.08	6	1,098.07	6	1,441.36	6	1,784.66	6	2,127.95	6	2,471.24	6	2,814.51	6	3,157.74
1/4	109.71	1/4	419.87	1/4	762.23	1/4	1,105.23	1/4	1,448.52	1/4	1,791.81	1/4	2,135.10	1/4	2,478.39	1/4	2,821.66	1/4	3,164.89
1/2	115.69	1/2	426.85	1/2	769.38	1/2	1,112.38	1/2	1,455.67	1/2	1,798.96	1/2	2,142.25	1/2	2,485.54	1/2	2,828.81	1/2	3,172.04
3/4	121.67	3/4	433.84	3/4	776.53	3/4	1,119.53	3/4	1,462.82	3/4	1,806.11	3/4	2,149.40	3/4	2,492.69	3/4	2,835.97	3/4	3,179.19
7	127.65	7	440.82	7	783.68	7	1,126.68	7	1,469.97	7	1,813.26	7	2,156.55	7	2,499.85	7	2,843.12	7	3,186.34
1/4	133.71	1/4	447.89	1/4	790.83	1/4	1,133.83	1/4	1,477.12	1/4	1,820.42	1/4	2,163.71	1/4	2,507.00	1/4	2,850.27	1/4	3,193.49
1/2	139.78	1/2	454.96	1/2	797.98	1/2	1,140.98	1/2	1,484.28	1/2	1,827.57	1/2	2,170.86	1/2	2,514.15	1/2	2,857.42	1/2	3,200.64
3/4	145.84	3/4	462.03	3/4	805.12	3/4	1,148.14	3/4	1,491.43	3/4	1,834.72	3/4	2,178.01	3/4	2,521.30	3/4	2,864.57	3/4	3,207.79
8	151.91	8	469.09	8	812.27	8	1,155.29	8	1,498.58	8	1,841.87	8	2,185.16	8	2,528.45	8	2,871.72	8	3,214.93
1/4	158.05	1/4	476.22	1/4	819.41	1/4	1,162.44	1/4	1,505.73	1/4	1,849.02	1/4	2,192.31	1/4	2,535.61	1/4	2,878.87	1/4	3,222.08
1/2	164.20	1/2	483.36	1/2	826.55	1/2	1,169.59	1/2	1,512.88	1/2	1,856.17	1/2	2,199.47	1/2	2,542.76	1/2	2,886.03	1/2	3,229.23
3/4	170.35	3/4	490.49	3/4	833.70	3/4	1,176.74	3/4	1,520.04	3/4	1,863.33	3/4	2,206.62	3/4	2,549.91	3/4	2,893.18	3/4	3,236.38
9	176.50	9	497.62	9	840.84	9	1,183.90	9	1,527.19	9	1,870.48	9	2,213.77	9	2,557.06	9	2,900.33	9	3,243.53
1/4	182.73	1/4	504.77	1/4	847.98	1/4	1,191.05	1/4	1,534.34	1/4	1,877.63	1/4	2,220.92	1/4	2,564.21	1/4	2,907.48	1/4	3,250.68
1/2	188.96	1/2	511.92	1/2	855.13	1/2	1,198.20	1/2	1,541.49	1/2	1,884.78	1/2	2,228.07	1/2	2,571.36	1/2	2,914.63	1/2	3,257.83
3/4	195.19	3/4	519.07	3/4	862.27	3/4	1,205.35	3/4	1,548.64	3/4	1,891.93	3/4	2,235.23	3/4	2,578.52	3/4	2,921.78	3/4	3,264.98
10	201.43	10	526.22	10	869.41	10	1,212.50	10	1,555.79	10	1,899.09	10	2,242.38	10	2,585.67	10	2,928.93	10	3,272.13
1/4	207.74	1/4	533.38	1/4	876.55	1/4	1,219.66	1/4	1,562.95	1/4	1,906.24	1/4	2,249.53	1/4	2,592.82	1/4	2,936.09	1/4	3,279.28
1/2	214.06	1/2	540.53	1/2	883.70	1/2	1,226.81	1/2	1,570.10	1/2	1,913.39	1/2	2,256.68	1/2	2,599.97	1/2	2,943.24	1/2	3,286.43
3/4	220.37	3/4	547.68	3/4	890.84	3/4	1,233.96	3/4	1,577.25	3/4	1,920.54	3/4	2,263.83	3/4	2,607.12	3/4	2,950.39	3/4	3,293.58
11	226.69	11	554.83	11	897.98	11	1,241.11	11	1,584.40	11	1,927.69	11	2,270.98	11	2,614.28	11	2,957.54	11	3,300.73
1/4	233.09	1/4	561.98	1/4	905.13	1/4	1,248.26	1/4	1,591.55	1/4	1,934.85	1/4	2,278.14	1/4	2,621.43	1/4	2,964.69	1/4	3,307.88
1/2	239.49	1/2	569.13	1/2	912.27	1/2	1,255.42	1/2	1,598.71	1/2	1,942.00	1/2	2,285.29	1/2	2,628.58	1/2	2,971.84	1/2	3,315.03
3/4	245.88	3/4	576.29	3/4	919.41	3/4	1,262.57	3/4	1,605.86	3/4	1,949.15	3/4	2,292.44	3/4	2,635.73	3/4	2,978.99	3/4	3,322.18

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 3304"

**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	3,329.33	0	3,672.51	0	4,015.78	0	4,358.59	0	4,700.29	0	5,021.83	0		0		0		0	
1/4	3,336.48	1/4	3,679.66	1/4	4,022.93	1/4	4,365.71	1/4	4,707.41	1/4	5,025.03	1/4		1/4		1/4		1/4	
1/2	3,343.63	1/2	3,686.81	1/2	4,030.09	1/2	4,372.83	1/2	4,714.53	1/2	5,028.23	1/2		1/2		1/2		1/2	
3/4	3,350.78	3/4	3,693.96	3/4	4,037.24	3/4	4,379.95	3/4	4,721.65	3/4	5,031.43	3/4		3/4		3/4		3/4	
1	3,357.92	1	3,701.12	1	4,044.39	1	4,387.07	1	4,728.77	1	5,034.63	1		1		1		1	
1/4	3,365.07	1/4	3,708.27	1/4	4,051.54	1/4	4,394.19	1/4	4,735.89	1/4	5,036.63	1/4		1/4		1/4		1/4	
1/2	3,372.22	1/2	3,715.42	1/2	4,058.69	1/2	4,401.30	1/2	4,743.01	1/2	5,038.64	1/2		1/2		1/2		1/2	
3/4	3,379.37	3/4	3,722.57	3/4	4,065.84	3/4	4,408.42	3/4	4,750.13	3/4	5,040.65	3/4		3/4		3/4		3/4	
2	3,386.52	2	3,729.72	2	4,072.99	2	4,415.54	2	4,757.24	2	5,042.66	2		2		2		2	
1/4	3,393.67	1/4	3,736.87	1/4	4,080.15	1/4	4,422.66	1/4	4,764.36	1/4	5,043.59	1/4		1/4		1/4		1/4	
1/2	3,400.82	1/2	3,744.03	1/2	4,087.30	1/2	4,429.78	1/2	4,771.48	1/2	5,044.52	1/2		1/2		1/2		1/2	
3/4	3,407.97	3/4	3,751.18	3/4	4,094.45	3/4	4,436.90	3/4	4,778.60	3/4	5,045.45	3/4		3/4		3/4		3/4	
3	3,415.12	3	3,758.33	3	4,101.60	3	4,444.02	3	4,785.72	3	5,046.38	3		3		3		3	
1/4	3,422.27	1/4	3,765.48	1/4	4,108.75	1/4	4,451.14	1/4	4,792.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,429.42	1/2	3,772.63	1/2	4,115.90	1/2	4,458.26	1/2	4,799.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,436.57	3/4	3,779.78	3/4	4,123.05	3/4	4,465.37	3/4	4,807.08	3/4		3/4		3/4		3/4		3/4	
4	3,443.72	4	3,786.93	4	4,130.21	4	4,472.49	4	4,814.20	4		4		4		4		4	
1/4	3,450.87	1/4	3,794.09	1/4	4,137.36	1/4	4,479.61	1/4	4,821.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,458.02	1/2	3,801.24	1/2	4,144.51	1/2	4,486.73	1/2	4,828.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,465.17	3/4	3,808.39	3/4	4,151.66	3/4	4,493.85	3/4	4,835.48	3/4		3/4		3/4		3/4		3/4	
5	3,472.32	5	3,815.54	5	4,158.81	5	4,500.97	5	4,842.58	5		5		5		5		5	
1/4	3,479.47	1/4	3,822.69	1/4	4,165.96	1/4	4,508.09	1/4	4,849.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,486.62	1/2	3,829.84	1/2	4,173.12	1/2	4,515.21	1/2	4,856.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,493.77	3/4	3,836.99	3/4	4,180.27	3/4	4,522.32	3/4	4,863.80	3/4		3/4		3/4		3/4		3/4	
6	3,500.91	6	3,844.15	6	4,187.42	6	4,529.44	6	4,870.87	6		6		6		6		6	
1/4	3,508.06	1/4	3,851.30	1/4	4,194.57	1/4	4,536.56	1/4	4,877.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,515.21	1/2	3,858.45	1/2	4,201.72	1/2	4,543.68	1/2	4,885.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,522.36	3/4	3,865.60	3/4	4,208.87	3/4	4,550.80	3/4	4,892.09	3/4		3/4		3/4		3/4		3/4	
7	3,529.51	7	3,872.75	7	4,216.02	7	4,557.92	7	4,899.16	7		7		7		7		7	
1/4	3,536.66	1/4	3,879.90	1/4	4,223.18	1/4	4,565.04	1/4	4,906.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,543.81	1/2	3,887.06	1/2	4,230.33	1/2	4,572.16	1/2	4,913.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,550.96	3/4	3,894.21	3/4	4,237.48	3/4	4,579.27	3/4	4,920.36	3/4		3/4		3/4		3/4		3/4	
8	3,558.11	8	3,901.36	8	4,244.63	8	4,586.39	8	4,927.43	8		8		8		8		8	
1/4	3,565.26	1/4	3,908.51	1/4	4,251.76	1/4	4,593.51	1/4	4,934.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,572.41	1/2	3,915.66	1/2	4,258.90	1/2	4,600.63	1/2	4,941.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,579.56	3/4	3,922.81	3/4	4,266.03	3/4	4,607.75	3/4	4,948.52	3/4		3/4		3/4		3/4		3/4	
9	3,586.71	9	3,929.96	9	4,273.17	9	4,614.87	9	4,955.56	9		9		9		9		9	
1/4	3,593.86	1/4	3,937.12	1/4	4,280.29	1/4	4,621.99	1/4	4,962.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,601.01	1/2	3,944.27	1/2	4,287.40	1/2	4,629.11	1/2	4,968.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,608.16	3/4	3,951.42	3/4	4,294.52	3/4	4,636.23	3/4	4,975.33	3/4		3/4		3/4		3/4		3/4	
10	3,615.31	10	3,958.57	10	4,301.64	10	4,643.34	10	4,981.92	10		10		10		10		10	
1/4	3,622.46	1/4	3,965.72	1/4	4,308.76	1/4	4,650.46	1/4	4,987.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,629.61	1/2	3,972.87	1/2	4,315.88	1/2	4,657.58	1/2	4,993.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.75	3/4	3,980.02	3/4	4,323.00	3/4	4,664.70	3/4	4,998.68	3/4		3/4		3/4		3/4		3/4	
11	3,643.90	11	3,987.18	11	4,330.12	11	4,671.82	11	5,004.26	11		11		11		11		11	
1/4	3,651.06	1/4	3,994.33	1/4	4,337.24	1/4	4,678.94	1/4	5,008.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,658.21	1/2	4,001.48	1/2	4,344.35	1/2	4,686.06	1/2	5,013.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,665.36	3/4	4,008.63	3/4	4,351.47	3/4	4,693.18	3/4	5,017.44	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

2 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	300.57	0	643.88	0	979.33	0	1,316.03	0	1,659.36	0	2,002.69	0	2,346.02	0	2,689.35	0	3,032.68
1/4	3.94	1/4	307.72	1/4	651.03	1/4	986.18	1/4	1,323.18	1/4	1,666.51	1/4	2,009.84	1/4	2,353.17	1/4	2,696.50	1/4	3,039.82
1/2	5.73	1/2	314.87	1/2	658.19	1/2	993.02	1/2	1,330.33	1/2	1,673.66	1/2	2,016.99	1/2	2,360.32	1/2	2,703.65	1/2	3,046.97
3/4	7.52	3/4	322.02	3/4	665.34	3/4	999.87	3/4	1,337.49	3/4	1,680.82	3/4	2,024.15	3/4	2,367.48	3/4	2,710.80	3/4	3,054.12
1	9.31	1	329.18	1	672.49	1	1,006.72	1	1,344.64	1	1,687.97	1	2,031.30	1	2,374.63	1	2,717.96	1	3,061.26
1/4	12.88	1/4	336.33	1/4	679.64	1/4	1,013.56	1/4	1,351.79	1/4	1,695.12	1/4	2,038.45	1/4	2,381.78	1/4	2,725.11	1/4	3,068.41
1/2	16.46	1/2	343.48	1/2	686.80	1/2	1,020.41	1/2	1,358.94	1/2	1,702.27	1/2	2,045.60	1/2	2,388.93	1/2	2,732.26	1/2	3,075.56
3/4	20.03	3/4	350.63	3/4	693.95	3/4	1,027.25	3/4	1,366.10	3/4	1,709.43	3/4	2,052.76	3/4	2,396.09	3/4	2,739.42	3/4	3,082.71
2	23.61	2	357.79	2	701.10	2	1,034.10	2	1,373.25	2	1,716.58	2	2,059.91	2	2,403.24	2	2,746.57	2	3,089.87
1/4	28.97	1/4	364.94	1/4	708.25	1/4	1,040.94	1/4	1,380.40	1/4	1,723.73	1/4	2,067.06	1/4	2,410.39	1/4	2,753.72	1/4	3,097.02
1/2	34.34	1/2	372.09	1/2	715.41	1/2	1,047.79	1/2	1,387.56	1/2	1,730.88	1/2	2,074.21	1/2	2,417.54	1/2	2,760.87	1/2	3,104.17
3/4	39.70	3/4	379.24	3/4	722.56	3/4	1,054.63	3/4	1,394.71	3/4	1,738.04	3/4	2,081.37	3/4	2,424.70	3/4	2,768.03	3/4	3,111.32
3	45.06	3	386.40	3	729.71	3	1,061.48	3	1,401.86	3	1,745.19	3	2,088.52	3	2,431.85	3	2,775.18	3	3,118.47
1/4	51.75	1/4	393.55	1/4	736.86	1/4	1,068.32	1/4	1,409.01	1/4	1,752.34	1/4	2,095.67	1/4	2,439.00	1/4	2,782.33	1/4	3,125.62
1/2	58.44	1/2	400.70	1/2	744.02	1/2	1,075.17	1/2	1,416.17	1/2	1,759.50	1/2	2,102.83	1/2	2,446.15	1/2	2,789.48	1/2	3,132.77
3/4	65.12	3/4	407.85	3/4	751.17	3/4	1,082.02	3/4	1,423.32	3/4	1,766.65	3/4	2,109.98	3/4	2,453.31	3/4	2,796.64	3/4	3,139.92
4	71.81	4	415.01	4	758.32	4	1,088.87	4	1,430.47	4	1,773.80	4	2,117.13	4	2,460.46	4	2,803.79	4	3,147.07
1/4	78.94	1/4	422.16	1/4	765.47	1/4	1,095.73	1/4	1,437.62	1/4	1,780.95	1/4	2,124.28	1/4	2,467.61	1/4	2,810.94	1/4	3,154.22
1/2	86.07	1/2	429.31	1/2	772.63	1/2	1,102.59	1/2	1,444.78	1/2	1,788.11	1/2	2,131.44	1/2	2,474.77	1/2	2,818.10	1/2	3,161.37
3/4	93.20	3/4	436.46	3/4	779.78	3/4	1,109.46	3/4	1,451.93	3/4	1,795.26	3/4	2,138.59	3/4	2,481.92	3/4	2,825.25	3/4	3,168.52
5	100.33	5	443.62	5	786.93	5	1,116.32	5	1,459.08	5	1,802.41	5	2,145.74	5	2,489.07	5	2,832.40	5	3,175.67
1/4	107.47	1/4	450.77	1/4	793.94	1/4	1,123.33	1/4	1,466.23	1/4	1,809.56	1/4	2,152.89	1/4	2,496.22	1/4	2,839.55	1/4	3,182.82
1/2	114.62	1/2	457.92	1/2	800.95	1/2	1,130.34	1/2	1,473.39	1/2	1,816.72	1/2	2,160.05	1/2	2,503.38	1/2	2,846.71	1/2	3,189.97
3/4	121.77	3/4	465.07	3/4	807.96	3/4	1,137.35	3/4	1,480.54	3/4	1,823.87	3/4	2,167.20	3/4	2,510.53	3/4	2,853.86	3/4	3,197.12
6	128.91	6	472.23	6	814.97	6	1,144.36	6	1,487.69	6	1,831.02	6	2,174.35	6	2,517.68	6	2,861.01	6	3,204.28
1/4	136.06	1/4	479.38	1/4	821.84	1/4	1,151.52	1/4	1,494.85	1/4	1,838.18	1/4	2,181.50	1/4	2,524.83	1/4	2,868.16	1/4	3,211.43
1/2	143.22	1/2	486.53	1/2	828.70	1/2	1,158.67	1/2	1,502.00	1/2	1,845.33	1/2	2,188.66	1/2	2,531.99	1/2	2,875.32	1/2	3,218.58
3/4	150.37	3/4	493.68	3/4	835.56	3/4	1,165.82	3/4	1,509.15	3/4	1,852.48	3/4	2,195.81	3/4	2,539.14	3/4	2,882.47	3/4	3,225.73
7	157.52	7	500.83	7	842.42	7	1,172.97	7	1,516.30	7	1,859.63	7	2,202.96	7	2,546.29	7	2,889.62	7	3,232.88
1/4	164.67	1/4	507.99	1/4	849.27	1/4	1,180.13	1/4	1,523.46	1/4	1,866.79	1/4	2,210.12	1/4	2,553.45	1/4	2,896.77	1/4	3,240.03
1/2	171.82	1/2	515.14	1/2	856.12	1/2	1,187.28	1/2	1,530.61	1/2	1,873.94	1/2	2,217.27	1/2	2,560.60	1/2	2,903.93	1/2	3,247.18
3/4	178.98	3/4	522.29	3/4	862.97	3/4	1,194.43	3/4	1,537.76	3/4	1,881.09	3/4	2,224.42	3/4	2,567.75	3/4	2,911.08	3/4	3,254.33
8	186.13	8	529.44	8	869.82	8	1,201.59	8	1,544.91	8	1,888.24	8	2,231.57	8	2,574.90	8	2,918.23	8	3,261.48
1/4	193.28	1/4	536.60	1/4	876.66	1/4	1,208.74	1/4	1,552.07	1/4	1,895.40	1/4	2,238.73	1/4	2,582.06	1/4	2,925.39	1/4	3,268.63
1/2	200.43	1/2	543.75	1/2	883.51	1/2	1,215.89	1/2	1,559.22	1/2	1,902.55	1/2	2,245.88	1/2	2,589.21	1/2	2,932.54	1/2	3,275.78
3/4	207.59	3/4	550.90	3/4	890.35	3/4	1,223.04	3/4	1,566.37	3/4	1,909.70	3/4	2,253.03	3/4	2,596.36	3/4	2,939.69	3/4	3,282.93
9	214.74	9	558.05	9	897.20	9	1,230.20	9	1,573.53	9	1,916.86	9	2,260.18	9	2,603.51	9	2,946.84	9	3,290.08
1/4	221.89	1/4	565.21	1/4	904.04	1/4	1,237.35	1/4	1,580.68	1/4	1,924.01	1/4	2,267.34	1/4	2,610.67	1/4	2,954.00	1/4	3,297.23
1/2	229.04	1/2	572.36	1/2	910.89	1/2	1,244.50	1/2	1,587.83	1/2	1,931.16	1/2	2,274.49	1/2	2,617.82	1/2	2,961.15	1/2	3,304.38
3/4	236.20	3/4	579.51	3/4	917.73	3/4	1,251.65	3/4	1,594.98	3/4	1,938.31	3/4	2,281.64	3/4	2,624.97	3/4	2,968.30	3/4	3,311.53
10	243.35	10	586.66	10	924.57	10	1,258.81	10	1,602.14	10	1,945.47	10	2,288.80	10	2,632.13	10	2,975.45	10	3,318.68
1/4	250.50	1/4	593.82	1/4	931.42	1/4	1,265.96	1/4	1,609.29	1/4	1,952.62	1/4	2,295.95	1/4	2,639.28	1/4	2,982.61	1/4	3,325.84
1/2	257.65	1/2	600.97	1/2	938.26	1/2	1,273.11	1/2	1,616.44	1/2	1,959.77	1/2	2,303.10	1/2	2,646.43	1/2	2,989.76	1/2	3,332.99
3/4	264.81	3/4	608.12	3/4	945.11	3/4	1,280.26	3/4	1,623.59	3/4	1,966.92	3/4	2,310.25	3/4	2,653.58	3/4	2,996.91	3/4	3,340.14
11	271.96	11	615.27	11	951.95	11	1,287.42	11	1,630.75	11	1,974.08	11	2,317.41	11	2,660.74	11	3,004.07	11	3,347.29
1/4	279.11	1/4	622.43	1/4	958.80	1/4	1,294.57	1/4	1,637.90	1/4	1,981.23	1/4	2,324.56	1/4	2,667.89	1/4	3,011.22	1/4	3,354.44
1/2	286.26	1/2	629.58	1/2	965.64	1/2	1,301.72	1/2	1,645.05	1/2	1,988.38	1/2	2,331.71	1/2	2,675.04	1/2	3,018.37	1/2	3,361.59
3/4	293.42	3/4	636.73	3/4	972.49	3/4	1,308.88	3/4	1,652.21	3/4	1,995.53	3/4	2,338.86	3/4	2,682.19	3/4	3,025.52	3/4	3,368.74

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 3304"

2 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	3,375.89	0	3,719.12	0	4,062.35	0	4,405.12	0	4,746.79	0	5,068.28	0		0		0		0	
1/4	3,383.04	1/4	3,726.27	1/4	4,069.50	1/4	4,412.24	1/4	4,753.91	1/4	5,071.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,390.19	1/2	3,733.42	1/2	4,076.65	1/2	4,419.36	1/2	4,761.02	1/2	5,074.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,397.34	3/4	3,740.57	3/4	4,083.80	3/4	4,426.48	3/4	4,768.14	3/4	5,077.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,404.49	1	3,747.72	1	4,090.95	1	4,433.60	1	4,775.26	1	5,081.08	1	1	1	1	1	1	1	1
1/4	3,411.64	1/4	3,754.87	1/4	4,098.10	1/4	4,440.71	1/4	4,782.38	1/4	5,083.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,418.79	1/2	3,762.02	1/2	4,105.25	1/2	4,447.83	1/2	4,789.50	1/2	5,085.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,425.94	3/4	3,769.17	3/4	4,112.40	3/4	4,454.95	3/4	4,796.61	3/4	5,087.10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,433.09	2	3,776.32	2	4,119.55	2	4,462.07	2	4,803.73	2	5,089.10	2	2	2	2	2	2	2	2
1/4	3,440.24	1/4	3,783.47	1/4	4,126.70	1/4	4,469.19	1/4	4,810.85	1/4	5,090.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,447.40	1/2	3,790.62	1/2	4,133.85	1/2	4,476.30	1/2	4,817.97	1/2	5,090.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,454.55	3/4	3,797.77	3/4	4,141.00	3/4	4,483.42	3/4	4,825.09	3/4	5,091.89	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,461.70	3	3,804.93	3	4,148.15	3	4,490.54	3	4,832.20	3	5,092.82	3	3	3	3	3	3	3	3
1/4	3,468.85	1/4	3,812.08	1/4	4,155.30	1/4	4,497.66	1/4	4,839.32	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,476.00	1/2	3,819.23	1/2	4,162.46	1/2	4,504.78	1/2	4,846.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,483.15	3/4	3,826.38	3/4	4,169.61	3/4	4,511.89	3/4	4,853.56	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,490.30	4	3,833.53	4	4,176.76	4	4,519.01	4	4,860.68	4	4	4	4	4	4	4	4	4	4
1/4	3,497.45	1/4	3,840.68	1/4	4,183.91	1/4	4,526.13	1/4	4,867.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,504.60	1/2	3,847.83	1/2	4,191.06	1/2	4,533.25	1/2	4,874.87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,511.75	3/4	3,854.98	3/4	4,198.21	3/4	4,540.37	3/4	4,881.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,518.90	5	3,862.13	5	4,205.36	5	4,547.48	5	4,889.06	5	5	5	5	5	5	5	5	5	5
1/4	3,526.05	1/4	3,869.28	1/4	4,212.51	1/4	4,554.60	1/4	4,896.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,533.20	1/2	3,876.43	1/2	4,219.66	1/2	4,561.72	1/2	4,903.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,540.35	3/4	3,883.58	3/4	4,226.81	3/4	4,568.84	3/4	4,910.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,547.50	6	3,890.73	6	4,233.96	6	4,575.96	6	4,917.35	6	6	6	6	6	6	6	6	6	6
1/4	3,554.65	1/4	3,897.88	1/4	4,241.11	1/4	4,583.07	1/4	4,924.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,561.81	1/2	3,905.03	1/2	4,248.26	1/2	4,590.19	1/2	4,931.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,568.96	3/4	3,912.18	3/4	4,255.41	3/4	4,597.31	3/4	4,938.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,576.11	7	3,919.34	7	4,262.56	7	4,604.43	7	4,945.64	7	7	7	7	7	7	7	7	7	7
1/4	3,583.26	1/4	3,926.49	1/4	4,269.71	1/4	4,611.55	1/4	4,952.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,590.41	1/2	3,933.64	1/2	4,276.87	1/2	4,618.66	1/2	4,959.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,597.56	3/4	3,940.79	3/4	4,284.02	3/4	4,625.78	3/4	4,966.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,604.71	8	3,947.94	8	4,291.17	8	4,632.90	8	4,973.89	8	8	8	8	8	8	8	8	8	8
1/4	3,611.86	1/4	3,955.09	1/4	4,298.30	1/4	4,640.02	1/4	4,980.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,619.01	1/2	3,962.24	1/2	4,305.44	1/2	4,647.14	1/2	4,987.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,626.16	3/4	3,969.39	3/4	4,312.57	3/4	4,654.25	3/4	4,994.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,633.31	9	3,976.54	9	4,319.71	9	4,661.37	9	5,002.02	9	9	9	9	9	9	9	9	9	9
1/4	3,640.46	1/4	3,983.69	1/4	4,326.83	1/4	4,668.49	1/4	5,008.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,647.61	1/2	3,990.84	1/2	4,333.94	1/2	4,675.61	1/2	5,015.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,654.76	3/4	3,997.99	3/4	4,341.06	3/4	4,682.73	3/4	5,021.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,661.91	10	4,005.14	10	4,348.18	10	4,689.84	10	5,028.39	10	10	10	10	10	10	10	10	10	10
1/4	3,669.06	1/4	4,012.29	1/4	4,355.30	1/4	4,696.96	1/4	5,033.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,676.21	1/2	4,019.44	1/2	4,362.42	1/2	4,704.08	1/2	5,039.55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,683.37	3/4	4,026.59	3/4	4,369.53	3/4	4,711.20	3/4	5,045.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,690.52	11	4,033.74	11	4,376.65	11	4,718.32	11	5,050.72	11	11	11	11	11	11	11	11	11	11
1/4	3,697.67	1/4	4,040.90	1/4	4,383.77	1/4	4,725.43	1/4	5,055.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,704.82	1/2	4,048.05	1/2	4,390.89	1/2	4,732.55	1/2	5,059.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,711.97	3/4	4,055.20	3/4	4,398.01	3/4	4,739.67	3/4	5,063.89	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: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

2 STBD INNAGE TABLE

10" HATCH GAUGE HEIGHT 18'-01 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	2.16	0	301.38	0	645.61	0	989.58	0	1,333.61	0	1,677.86	0	2,022.11	0	2,366.36	0	2,710.61	0	3,054.86
1/4	3.95	1/4	308.55	1/4	652.78	1/4	996.73	1/4	1,340.78	1/4	1,685.03	1/4	2,029.28	1/4	2,373.53	1/4	2,717.78	1/4	3,062.03
1/2	5.75	1/2	315.72	1/2	659.96	1/2	1,003.89	1/2	1,347.95	1/2	1,692.20	1/2	2,036.45	1/2	2,380.70	1/2	2,724.95	1/2	3,069.20
3/4	7.54	3/4	322.89	3/4	667.13	3/4	1,011.05	3/4	1,355.12	3/4	1,699.37	3/4	2,043.62	3/4	2,387.88	3/4	2,732.13	3/4	3,076.36
1	9.33	1	330.06	1	674.30	1	1,018.21	1	1,362.29	1	1,706.55	1	2,050.80	1	2,395.05	1	2,739.30	1	3,083.53
1/4	12.92	1/4	337.23	1/4	681.47	1/4	1,025.36	1/4	1,369.47	1/4	1,713.72	1/4	2,057.97	1/4	2,402.22	1/4	2,746.47	1/4	3,090.70
1/2	16.50	1/2	344.40	1/2	688.64	1/2	1,032.52	1/2	1,376.64	1/2	1,720.89	1/2	2,065.14	1/2	2,409.39	1/2	2,753.64	1/2	3,097.87
3/4	20.09	3/4	351.58	3/4	695.81	3/4	1,039.68	3/4	1,383.81	3/4	1,728.06	3/4	2,072.31	3/4	2,416.56	3/4	2,760.81	3/4	3,105.04
2	23.67	2	358.75	2	702.98	2	1,046.84	2	1,390.98	2	1,735.23	2	2,079.48	2	2,423.74	2	2,767.99	2	3,112.21
1/4	29.05	1/4	365.92	1/4	710.16	1/4	1,054.00	1/4	1,398.15	1/4	1,742.40	1/4	2,086.66	1/4	2,430.91	1/4	2,775.16	1/4	3,119.38
1/2	34.43	1/2	373.09	1/2	717.33	1/2	1,061.15	1/2	1,405.33	1/2	1,749.58	1/2	2,093.83	1/2	2,438.08	1/2	2,782.33	1/2	3,126.55
3/4	39.81	3/4	380.26	3/4	724.50	3/4	1,068.31	3/4	1,412.50	3/4	1,756.75	3/4	2,101.00	3/4	2,445.25	3/4	2,789.50	3/4	3,133.72
3	45.19	3	387.43	3	731.67	3	1,075.47	3	1,419.67	3	1,763.92	3	2,108.17	3	2,452.42	3	2,796.67	3	3,140.89
1/4	51.89	1/4	394.61	1/4	738.84	1/4	1,082.63	1/4	1,426.84	1/4	1,771.09	1/4	2,115.34	1/4	2,459.59	1/4	2,803.85	1/4	3,148.06
1/2	58.60	1/2	401.78	1/2	746.01	1/2	1,089.79	1/2	1,434.01	1/2	1,778.26	1/2	2,122.52	1/2	2,466.77	1/2	2,811.02	1/2	3,155.23
3/4	65.30	3/4	408.95	3/4	753.19	3/4	1,096.95	3/4	1,441.18	3/4	1,785.44	3/4	2,129.69	3/4	2,473.94	3/4	2,818.19	3/4	3,162.40
4	72.00	4	416.12	4	760.36	4	1,104.12	4	1,448.36	4	1,792.61	4	2,136.86	4	2,481.11	4	2,825.36	4	3,169.57
1/4	79.15	1/4	423.29	1/4	767.53	1/4	1,111.29	1/4	1,455.53	1/4	1,799.78	1/4	2,144.03	1/4	2,488.28	1/4	2,832.53	1/4	3,176.74
1/2	86.30	1/2	430.46	1/2	774.70	1/2	1,118.46	1/2	1,462.70	1/2	1,806.95	1/2	2,151.20	1/2	2,495.45	1/2	2,839.71	1/2	3,183.91
3/4	93.45	3/4	437.64	3/4	781.87	3/4	1,125.62	3/4	1,469.87	3/4	1,814.12	3/4	2,158.37	3/4	2,502.63	3/4	2,846.88	3/4	3,191.08
5	100.60	5	444.81	5	789.04	5	1,132.79	5	1,477.04	5	1,821.30	5	2,165.55	5	2,509.80	5	2,854.05	5	3,198.25
1/4	107.76	1/4	451.98	1/4	796.22	1/4	1,139.96	1/4	1,484.22	1/4	1,828.47	1/4	2,172.72	1/4	2,516.97	1/4	2,861.22	1/4	3,205.42
1/2	114.93	1/2	459.15	1/2	803.39	1/2	1,147.14	1/2	1,491.39	1/2	1,835.64	1/2	2,179.89	1/2	2,524.14	1/2	2,868.39	1/2	3,212.59
3/4	122.09	3/4	466.32	3/4	810.56	3/4	1,154.31	3/4	1,498.56	3/4	1,842.81	3/4	2,187.06	3/4	2,531.31	3/4	2,875.56	3/4	3,219.76
6	129.26	6	473.49	6	817.73	6	1,161.48	6	1,505.73	6	1,849.98	6	2,194.23	6	2,538.49	6	2,882.74	6	3,226.93
1/4	136.43	1/4	480.67	1/4	824.90	1/4	1,168.65	1/4	1,512.90	1/4	1,857.15	1/4	2,201.41	1/4	2,545.66	1/4	2,889.91	1/4	3,234.10
1/2	143.60	1/2	487.84	1/2	832.07	1/2	1,175.82	1/2	1,520.08	1/2	1,864.33	1/2	2,208.58	1/2	2,552.83	1/2	2,897.08	1/2	3,241.27
3/4	150.77	3/4	495.01	3/4	839.24	3/4	1,183.00	3/4	1,527.25	3/4	1,871.50	3/4	2,215.75	3/4	2,560.00	3/4	2,904.25	3/4	3,248.44
7	157.94	7	502.18	7	846.41	7	1,190.17	7	1,534.42	7	1,878.67	7	2,222.92	7	2,567.17	7	2,911.42	7	3,255.61
1/4	165.11	1/4	509.35	1/4	853.57	1/4	1,197.34	1/4	1,541.59	1/4	1,885.84	1/4	2,230.09	1/4	2,574.34	1/4	2,918.60	1/4	3,262.78
1/2	172.29	1/2	516.52	1/2	860.73	1/2	1,204.51	1/2	1,548.76	1/2	1,893.01	1/2	2,237.27	1/2	2,581.52	1/2	2,925.77	1/2	3,269.95
3/4	179.46	3/4	523.69	3/4	867.89	3/4	1,211.68	3/4	1,555.94	3/4	1,900.19	3/4	2,244.44	3/4	2,588.69	3/4	2,932.94	3/4	3,277.12
8	186.63	8	530.87	8	875.05	8	1,218.86	8	1,563.11	8	1,907.36	8	2,251.61	8	2,595.86	8	2,940.11	8	3,284.29
1/4	193.80	1/4	538.04	1/4	882.21	1/4	1,226.03	1/4	1,570.28	1/4	1,914.53	1/4	2,258.78	1/4	2,603.03	1/4	2,947.28	1/4	3,291.46
1/2	200.97	1/2	545.21	1/2	889.37	1/2	1,233.20	1/2	1,577.45	1/2	1,921.70	1/2	2,265.95	1/2	2,610.20	1/2	2,954.46	1/2	3,298.63
3/4	208.14	3/4	552.38	3/4	896.53	3/4	1,240.37	3/4	1,584.62	3/4	1,928.87	3/4	2,273.13	3/4	2,617.38	3/4	2,961.63	3/4	3,305.80
9	215.32	9	559.55	9	903.68	9	1,247.54	9	1,591.79	9	1,936.05	9	2,280.30	9	2,624.55	9	2,968.80	9	3,312.97
1/4	222.49	1/4	566.72	1/4	910.84	1/4	1,254.72	1/4	1,598.97	1/4	1,943.22	1/4	2,287.47	1/4	2,631.72	1/4	2,975.97	1/4	3,320.14
1/2	229.66	1/2	573.90	1/2	918.00	1/2	1,261.89	1/2	1,606.14	1/2	1,950.39	1/2	2,294.64	1/2	2,638.89	1/2	2,983.14	1/2	3,327.31
3/4	236.83	3/4	581.07	3/4	925.16	3/4	1,269.06	3/4	1,613.31	3/4	1,957.56	3/4	2,301.81	3/4	2,646.06	3/4	2,990.32	3/4	3,334.48
10	244.00	10	588.24	10	932.31	10	1,276.23	10	1,620.48	10	1,964.73	10	2,308.98	10	2,653.24	10	2,997.49	10	3,341.65
1/4	251.17	1/4	595.41	1/4	939.47	1/4	1,283.40	1/4	1,627.65	1/4	1,971.91	1/4	2,316.16	1/4	2,660.41	1/4	3,004.66	1/4	3,348.82
1/2	258.35	1/2	602.58	1/2	946.63	1/2	1,290.57	1/2	1,634.83	1/2	1,979.08	1/2	2,323.33	1/2	2,667.58	1/2	3,011.83	1/2	3,355.99
3/4	265.52	3/4	609.75	3/4	953.79	3/4	1,297.75	3/4	1,642.00	3/4	1,986.25	3/4	2,330.50	3/4	2,674.75	3/4	3,019.00	3/4	3,363.16
11	272.69	11	616.93	11	960.95	11	1,304.92	11	1,649.17	11	1,993.42	11	2,337.67	11	2,681.92	11	3,026.17	11	3,370.33
1/4	279.86	1/4	624.10	1/4	968.10	1/4	1,312.09	1/4	1,656.34	1/4	2,000.59	1/4	2,344.84	1/4	2,689.10	1/4	3,033.35	1/4	3,377.50
1/2	287.03	1/2	631.27	1/2	975.26	1/2	1,319.26	1/2	1,663.51	1/2	2,007.76	1/2	2,352.02	1/2	2,696.27	1/2	3,040.52	1/2	3,384.67
3/4	294.20	3/4	638.44	3/4	982.42	3/4	1,326.43	3/4	1,670.69	3/4	2,014.94	3/4	2,359.19	3/4	2,703.44	3/4	3,047.69	3/4	3,391.84

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 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 3304"

2 STBD

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-01 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	3,399.01	0	3,743.17	0	4,087.42	0	4,431.21	0	4,773.89	0	5,096.34	0		0		0		0	
1/4	3,406.18	1/4	3,750.34	1/4	4,094.59	1/4	4,438.35	1/4	4,781.02	1/4	5,099.55	1/4		1/4		1/4		1/4	
1/2	3,413.35	1/2	3,757.51	1/2	4,101.76	1/2	4,445.49	1/2	4,788.16	1/2	5,102.76	1/2		1/2		1/2		1/2	
3/4	3,420.52	3/4	3,764.69	3/4	4,108.94	3/4	4,452.63	3/4	4,795.30	3/4	5,105.97	3/4		3/4		3/4		3/4	
1	3,427.69	1	3,771.86	1	4,116.11	1	4,459.76	1	4,802.44	1	5,109.18	1		1		1		1	
1/4	3,434.86	1/4	3,779.03	1/4	4,123.28	1/4	4,466.90	1/4	4,809.58	1/4	5,111.19	1/4		1/4		1/4		1/4	
1/2	3,442.03	1/2	3,786.20	1/2	4,130.45	1/2	4,474.04	1/2	4,816.72	1/2	5,113.20	1/2		1/2		1/2		1/2	
3/4	3,449.20	3/4	3,793.37	3/4	4,137.62	3/4	4,481.18	3/4	4,823.86	3/4	5,115.22	3/4		3/4		3/4		3/4	
2	3,456.37	2	3,800.54	2	4,144.80	2	4,488.32	2	4,831.00	2	5,117.23	2		2		2		2	
1/4	3,463.54	1/4	3,807.72	1/4	4,151.97	1/4	4,495.46	1/4	4,838.14	1/4	5,118.16	1/4		1/4		1/4		1/4	
1/2	3,470.71	1/2	3,814.89	1/2	4,159.14	1/2	4,502.60	1/2	4,845.28	1/2	5,119.10	1/2		1/2		1/2		1/2	
3/4	3,477.88	3/4	3,822.06	3/4	4,166.31	3/4	4,509.74	3/4	4,852.42	3/4	5,120.03	3/4		3/4		3/4		3/4	
3	3,485.05	3	3,829.23	3	4,173.48	3	4,516.88	3	4,859.55	3	5,120.96	3		3		3		3	
1/4	3,492.22	1/4	3,836.40	1/4	4,180.66	1/4	4,524.02	1/4	4,866.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,499.39	1/2	3,843.58	1/2	4,187.83	1/2	4,531.16	1/2	4,873.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,506.56	3/4	3,850.75	3/4	4,195.00	3/4	4,538.30	3/4	4,880.97	3/4		3/4		3/4		3/4		3/4	
4	3,513.73	4	3,857.92	4	4,202.17	4	4,545.43	4	4,888.11	4		4		4		4		4	
1/4	3,520.90	1/4	3,865.09	1/4	4,209.34	1/4	4,552.57	1/4	4,895.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,528.07	1/2	3,872.26	1/2	4,216.52	1/2	4,559.71	1/2	4,902.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,535.24	3/4	3,879.44	3/4	4,223.69	3/4	4,566.85	3/4	4,909.46	3/4		3/4		3/4		3/4		3/4	
5	3,542.41	5	3,886.61	5	4,230.86	5	4,573.99	5	4,916.58	5		5		5		5		5	
1/4	3,549.58	1/4	3,893.78	1/4	4,238.03	1/4	4,581.13	1/4	4,923.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,556.75	1/2	3,900.95	1/2	4,245.20	1/2	4,588.27	1/2	4,930.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,563.92	3/4	3,908.12	3/4	4,252.37	3/4	4,595.41	3/4	4,937.86	3/4		3/4		3/4		3/4		3/4	
6	3,571.09	6	3,915.30	6	4,259.55	6	4,602.55	6	4,944.95	6		6		6		6		6	
1/4	3,578.26	1/4	3,922.47	1/4	4,266.72	1/4	4,609.69	1/4	4,952.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,585.43	1/2	3,929.64	1/2	4,273.89	1/2	4,616.83	1/2	4,959.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,592.60	3/4	3,936.81	3/4	4,281.06	3/4	4,623.96	3/4	4,966.23	3/4		3/4		3/4		3/4		3/4	
7	3,599.76	7	3,943.98	7	4,288.23	7	4,631.10	7	4,973.32	7		7		7		7		7	
1/4	3,606.93	1/4	3,951.15	1/4	4,295.41	1/4	4,638.24	1/4	4,980.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,614.10	1/2	3,958.33	1/2	4,302.58	1/2	4,645.38	1/2	4,987.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,621.27	3/4	3,965.50	3/4	4,309.75	3/4	4,652.52	3/4	4,994.58	3/4		3/4		3/4		3/4		3/4	
8	3,628.44	8	3,972.67	8	4,316.92	8	4,659.66	8	5,001.67	8		8		8		8		8	
1/4	3,635.61	1/4	3,979.84	1/4	4,324.08	1/4	4,666.80	1/4	5,008.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.78	1/2	3,987.01	1/2	4,331.23	1/2	4,673.94	1/2	5,015.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,649.95	3/4	3,994.19	3/4	4,338.38	3/4	4,681.08	3/4	5,022.82	3/4		3/4		3/4		3/4		3/4	
9	3,657.12	9	4,001.36	9	4,345.54	9	4,688.22	9	5,029.88	9		9		9		9		9	
1/4	3,664.29	1/4	4,008.53	1/4	4,352.68	1/4	4,695.36	1/4	5,036.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,671.46	1/2	4,015.70	1/2	4,359.82	1/2	4,702.49	1/2	5,043.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.63	3/4	4,022.87	3/4	4,366.96	3/4	4,709.63	3/4	5,049.71	3/4		3/4		3/4		3/4		3/4	
10	3,685.80	10	4,030.05	10	4,374.10	10	4,716.77	10	5,056.32	10		10		10		10		10	
1/4	3,692.97	1/4	4,037.22	1/4	4,381.23	1/4	4,723.91	1/4	5,061.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,700.14	1/2	4,044.39	1/2	4,388.37	1/2	4,731.05	1/2	5,067.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,707.31	3/4	4,051.56	3/4	4,395.51	3/4	4,738.19	3/4	5,073.12	3/4		3/4		3/4		3/4		3/4	
11	3,714.48	11	4,058.73	11	4,402.65	11	4,745.33	11	5,078.72	11		11		11		11		11	
1/4	3,721.65	1/4	4,065.91	1/4	4,409.79	1/4	4,752.47	1/4	5,083.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,728.83	1/2	4,073.08	1/2	4,416.93	1/2	4,759.61	1/2	5,087.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,736.00	3/4	4,080.25	3/4	4,424.07	3/4	4,766.75	3/4	5,091.94	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

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	300.06	0	642.35	0	976.77	0	1,312.41	0	1,654.52	0	1,996.63	0	2,338.74	0	2,680.82	0	3,023.06
1/4	3.94	1/4	307.20	1/4	649.47	1/4	983.59	1/4	1,319.54	1/4	1,661.65	1/4	2,003.76	1/4	2,345.87	1/4	2,687.95	1/4	3,030.19
1/2	5.72	1/2	314.34	1/2	656.60	1/2	990.41	1/2	1,326.67	1/2	1,668.78	1/2	2,010.89	1/2	2,353.00	1/2	2,695.08	1/2	3,037.32
3/4	7.51	3/4	321.48	3/4	663.73	3/4	997.22	3/4	1,333.79	3/4	1,675.90	3/4	2,018.01	3/4	2,360.12	3/4	2,702.20	3/4	3,044.45
1	9.29	1	328.62	1	670.86	1	1,004.04	1	1,340.92	1	1,683.03	1	2,025.14	1	2,367.25	1	2,709.33	1	3,051.58
1/4	12.86	1/4	335.76	1/4	677.99	1/4	1,010.86	1/4	1,348.05	1/4	1,690.16	1/4	2,032.27	1/4	2,374.38	1/4	2,716.46	1/4	3,058.70
1/2	16.43	1/2	342.90	1/2	685.12	1/2	1,017.68	1/2	1,355.17	1/2	1,697.29	1/2	2,039.40	1/2	2,381.51	1/2	2,723.58	1/2	3,065.82
3/4	20.00	3/4	350.04	3/4	692.25	3/4	1,024.49	3/4	1,362.30	3/4	1,704.41	3/4	2,046.52	3/4	2,388.63	3/4	2,730.71	3/4	3,072.94
2	23.57	2	357.18	2	699.37	2	1,031.31	2	1,369.43	2	1,711.54	2	2,053.65	2	2,395.76	2	2,737.83	2	3,080.07
1/4	28.93	1/4	364.31	1/4	706.50	1/4	1,038.13	1/4	1,376.56	1/4	1,718.67	1/4	2,060.78	1/4	2,402.89	1/4	2,744.96	1/4	3,087.19
1/2	34.28	1/2	371.45	1/2	713.63	1/2	1,044.95	1/2	1,383.68	1/2	1,725.79	1/2	2,067.90	1/2	2,410.02	1/2	2,752.09	1/2	3,094.31
3/4	39.63	3/4	378.58	3/4	720.76	3/4	1,051.76	3/4	1,390.81	3/4	1,732.92	3/4	2,075.03	3/4	2,417.14	3/4	2,759.21	3/4	3,101.43
3	44.99	3	385.72	3	727.89	3	1,058.58	3	1,397.94	3	1,740.05	3	2,082.16	3	2,424.27	3	2,766.34	3	3,108.56
1/4	51.66	1/4	392.85	1/4	735.02	1/4	1,065.40	1/4	1,405.07	1/4	1,747.18	1/4	2,089.29	1/4	2,431.40	1/4	2,773.47	1/4	3,115.67
1/2	58.34	1/2	399.97	1/2	742.15	1/2	1,072.22	1/2	1,412.19	1/2	1,754.30	1/2	2,096.41	1/2	2,438.52	1/2	2,780.59	1/2	3,122.78
3/4	65.01	3/4	407.10	3/4	749.28	3/4	1,079.05	3/4	1,419.32	3/4	1,761.43	3/4	2,103.54	3/4	2,445.65	3/4	2,787.72	3/4	3,129.90
4	71.69	4	414.23	4	756.40	4	1,085.87	4	1,426.45	4	1,768.56	4	2,110.67	4	2,452.78	4	2,794.85	4	3,137.01
1/4	78.81	1/4	421.36	1/4	763.53	1/4	1,092.73	1/4	1,433.57	1/4	1,775.69	1/4	2,117.80	1/4	2,459.91	1/4	2,801.97	1/4	3,144.11
1/2	85.92	1/2	428.49	1/2	770.66	1/2	1,099.59	1/2	1,440.70	1/2	1,782.81	1/2	2,124.92	1/2	2,467.03	1/2	2,809.10	1/2	3,151.22
3/4	93.04	3/4	435.62	3/4	777.79	3/4	1,106.45	3/4	1,447.83	3/4	1,789.94	3/4	2,132.05	3/4	2,474.16	3/4	2,816.23	3/4	3,158.32
5	100.16	5	442.75	5	784.92	5	1,113.31	5	1,454.96	5	1,797.07	5	2,139.18	5	2,481.29	5	2,823.35	5	3,165.43
1/4	107.29	1/4	449.87	1/4	791.93	1/4	1,120.32	1/4	1,462.08	1/4	1,804.19	1/4	2,146.30	1/4	2,488.41	1/4	2,830.48	1/4	3,172.53
1/2	114.43	1/2	457.00	1/2	798.94	1/2	1,127.33	1/2	1,469.21	1/2	1,811.32	1/2	2,153.43	1/2	2,495.54	1/2	2,837.60	1/2	3,179.64
3/4	121.56	3/4	464.13	3/4	805.95	3/4	1,134.34	3/4	1,476.34	3/4	1,818.45	3/4	2,160.56	3/4	2,502.66	3/4	2,844.73	3/4	3,186.74
6	128.69	6	471.26	6	812.97	6	1,141.36	6	1,483.47	6	1,825.58	6	2,167.69	6	2,509.79	6	2,851.86	6	3,193.85
1/4	135.83	1/4	478.39	1/4	819.83	1/4	1,148.48	1/4	1,490.59	1/4	1,832.70	1/4	2,174.81	1/4	2,516.92	1/4	2,858.98	1/4	3,200.95
1/2	142.97	1/2	485.52	1/2	826.69	1/2	1,155.61	1/2	1,497.72	1/2	1,839.83	1/2	2,181.94	1/2	2,524.04	1/2	2,866.11	1/2	3,208.06
3/4	150.11	3/4	492.65	3/4	833.55	3/4	1,162.74	3/4	1,504.85	3/4	1,846.96	3/4	2,189.07	3/4	2,531.17	3/4	2,873.24	3/4	3,215.16
7	157.25	7	499.77	7	840.41	7	1,169.86	7	1,511.98	7	1,854.09	7	2,196.20	7	2,538.30	7	2,880.36	7	3,222.27
1/4	164.39	1/4	506.90	1/4	847.23	1/4	1,176.99	1/4	1,519.10	1/4	1,861.21	1/4	2,203.32	1/4	2,545.42	1/4	2,887.49	1/4	3,229.37
1/2	171.53	1/2	514.03	1/2	854.05	1/2	1,184.12	1/2	1,526.23	1/2	1,868.34	1/2	2,210.45	1/2	2,552.55	1/2	2,894.62	1/2	3,236.48
3/4	178.67	3/4	521.16	3/4	860.87	3/4	1,191.25	3/4	1,533.36	3/4	1,875.47	3/4	2,217.58	3/4	2,559.67	3/4	2,901.74	3/4	3,243.58
8	185.81	8	528.29	8	867.70	8	1,198.37	8	1,540.48	8	1,882.59	8	2,224.71	8	2,566.80	8	2,908.87	8	3,250.69
1/4	192.95	1/4	535.42	1/4	874.51	1/4	1,205.50	1/4	1,547.61	1/4	1,889.72	1/4	2,231.83	1/4	2,573.93	1/4	2,916.00	1/4	3,257.79
1/2	200.09	1/2	542.55	1/2	881.33	1/2	1,212.63	1/2	1,554.74	1/2	1,896.85	1/2	2,238.96	1/2	2,581.05	1/2	2,923.13	1/2	3,264.90
3/4	207.23	3/4	549.67	3/4	888.15	3/4	1,219.76	3/4	1,561.87	3/4	1,903.98	3/4	2,246.09	3/4	2,588.18	3/4	2,930.27	3/4	3,272.01
9	214.37	9	556.80	9	894.96	9	1,226.88	9	1,568.99	9	1,911.10	9	2,253.21	9	2,595.31	9	2,937.40	9	3,279.11
1/4	221.51	1/4	563.93	1/4	901.78	1/4	1,234.01	1/4	1,576.12	1/4	1,918.23	1/4	2,260.34	1/4	2,602.43	1/4	2,944.54	1/4	3,286.22
1/2	228.65	1/2	571.06	1/2	908.60	1/2	1,241.14	1/2	1,583.25	1/2	1,925.36	1/2	2,267.47	1/2	2,609.56	1/2	2,951.68	1/2	3,293.32
3/4	235.79	3/4	578.19	3/4	915.42	3/4	1,248.27	3/4	1,590.38	3/4	1,932.49	3/4	2,274.60	3/4	2,616.69	3/4	2,958.81	3/4	3,300.43
10	242.93	10	585.32	10	922.23	10	1,255.39	10	1,597.50	10	1,939.61	10	2,281.72	10	2,623.81	10	2,965.95	10	3,307.54
1/4	250.08	1/4	592.45	1/4	929.05	1/4	1,262.52	1/4	1,604.63	1/4	1,946.74	1/4	2,288.85	1/4	2,630.94	1/4	2,973.09	1/4	3,314.64
1/2	257.22	1/2	599.57	1/2	935.87	1/2	1,269.65	1/2	1,611.76	1/2	1,953.87	1/2	2,295.98	1/2	2,638.07	1/2	2,980.23	1/2	3,321.75
3/4	264.36	3/4	606.70	3/4	942.69	3/4	1,276.77	3/4	1,618.88	3/4	1,961.00	3/4	2,303.11	3/4	2,645.19	3/4	2,987.37	3/4	3,328.86
11	271.50	11	613.83	11	949.50	11	1,283.90	11	1,626.01	11	1,968.12	11	2,310.23	11	2,652.32	11	2,994.50	11	3,335.96
1/4	278.64	1/4	620.96	1/4	956.32	1/4	1,291.03	1/4	1,633.14	1/4	1,975.25	1/4	2,317.36	1/4	2,659.44	1/4	3,001.64	1/4	3,343.09
1/2	285.78	1/2	628.09	1/2	963.14	1/2	1,298.16	1/2	1,640.27	1/2	1,982.38	1/2	2,324.49	1/2	2,666.57	1/2	3,008.78	1/2	3,347.41
3/4	292.92	3/4	635.22	3/4	969.95	3/4	1,305.28	3/4	1,647.39	3/4	1,989.50	3/4	2,331.61	3/4	2,673.70	3/4	3,015.92	3/4	3,353.14

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 3304"

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	3,358.86	0	3,568.13	0	3,778.18	0	3,987.96	0	4,197.08	0	4,387.90	0		0		0		0	
1/4	3,363.20	1/4	3,572.51	1/4	3,782.56	1/4	3,992.31	1/4	4,201.44	1/4	4,389.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,367.54	1/2	3,576.89	1/2	3,786.93	1/2	3,996.67	1/2	4,205.80	1/2	4,391.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,371.89	3/4	3,581.26	3/4	3,791.31	3/4	4,001.03	3/4	4,210.15	3/4	4,393.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,376.23	1	3,585.64	1	3,795.69	1	4,005.39	1	4,214.51	1	4,394.74	1	1	1	1	1	1	1	1
1/4	3,380.58	1/4	3,590.01	1/4	3,800.06	1/4	4,009.74	1/4	4,218.87	1/4	4,396.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,384.93	1/2	3,594.39	1/2	3,804.44	1/2	4,014.10	1/2	4,223.23	1/2	4,398.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,389.28	3/4	3,598.77	3/4	3,808.81	3/4	4,018.46	3/4	4,227.58	3/4	4,399.87	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,393.63	2	3,603.14	2	3,813.19	2	4,022.81	2	4,231.94	2	4,401.58	2	2	2	2	2	2	2	2
1/4	3,397.99	1/4	3,607.52	1/4	3,817.57	1/4	4,027.17	1/4	4,236.30	1/4	4,402.66	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,402.35	1/2	3,611.89	1/2	3,821.94	1/2	4,031.53	1/2	4,240.65	1/2	4,403.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,406.71	3/4	3,616.27	3/4	3,826.32	3/4	4,035.88	3/4	4,245.01	3/4	4,404.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,411.07	3	3,620.65	3	3,830.69	3	4,040.24	3	4,249.37	3	4,405.89	3	3	3	3	3	3	3	3
1/4	3,415.43	1/4	3,625.02	1/4	3,835.07	1/4	4,044.60	1/4	4,253.72	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,419.79	1/2	3,629.40	1/2	3,839.45	1/2	4,048.95	1/2	4,258.08	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,424.15	3/4	3,633.77	3/4	3,843.82	3/4	4,053.31	3/4	4,262.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,428.51	4	3,638.15	4	3,848.20	4	4,057.67	4	4,266.79	4		4	4	4	4	4	4	4	4
1/4	3,432.87	1/4	3,642.53	1/4	3,852.57	1/4	4,062.02	1/4	4,271.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,437.23	1/2	3,646.90	1/2	3,856.95	1/2	4,066.38	1/2	4,275.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,441.59	3/4	3,651.28	3/4	3,861.33	3/4	4,070.74	3/4	4,279.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,445.95	5	3,655.65	5	3,865.70	5	4,075.09	5	4,284.17	5		5	5	5	5	5	5	5	5
1/4	3,450.32	1/4	3,660.03	1/4	3,870.08	1/4	4,079.45	1/4	4,288.50	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,454.68	1/2	3,664.41	1/2	3,874.45	1/2	4,083.81	1/2	4,292.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,459.04	3/4	3,668.78	3/4	3,878.83	3/4	4,088.16	3/4	4,297.16	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,463.40	6	3,673.16	6	3,883.21	6	4,092.52	6	4,301.49	6		6	6	6	6	6	6	6	6
1/4	3,467.76	1/4	3,677.53	1/4	3,887.58	1/4	4,096.88	1/4	4,305.81	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,472.12	1/2	3,681.91	1/2	3,891.96	1/2	4,101.23	1/2	4,310.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,476.48	3/4	3,686.29	3/4	3,896.33	3/4	4,105.59	3/4	4,314.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,480.84	7	3,690.66	7	3,900.71	7	4,109.95	7	4,318.80	7		7	7	7	7	7	7	7	7
1/4	3,485.20	1/4	3,695.04	1/4	3,905.09	1/4	4,114.31	1/4	4,323.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,489.56	1/2	3,699.41	1/2	3,909.46	1/2	4,118.66	1/2	4,327.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,493.92	3/4	3,703.79	3/4	3,913.84	3/4	4,123.02	3/4	4,331.76	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,498.28	8	3,708.17	8	3,918.21	8	4,127.38	8	4,336.08	8		8	8	8	8	8	8	8	8
1/4	3,502.64	1/4	3,712.54	1/4	3,922.58	1/4	4,131.73	1/4	4,340.37	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,507.00	1/2	3,716.92	1/2	3,926.95	1/2	4,136.09	1/2	4,344.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,511.36	3/4	3,721.29	3/4	3,931.31	3/4	4,140.45	3/4	4,348.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,515.72	9	3,725.67	9	3,935.68	9	4,144.80	9	4,353.23	9		9	9	9	9	9	9	9	9
1/4	3,520.08	1/4	3,730.05	1/4	3,940.03	1/4	4,149.16	1/4	4,357.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,524.44	1/2	3,734.42	1/2	3,944.39	1/2	4,153.52	1/2	4,360.93	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,528.80	3/4	3,738.80	3/4	3,948.75	3/4	4,157.87	3/4	4,364.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,533.16	10	3,743.17	10	3,953.10	10	4,162.23	10	4,368.62	10		10	10	10	10	10	10	10	10
1/4	3,537.53	1/4	3,747.55	1/4	3,957.46	1/4	4,166.59	1/4	4,371.47	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,541.89	1/2	3,751.93	1/2	3,961.82	1/2	4,170.94	1/2	4,374.31	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,546.26	3/4	3,756.30	3/4	3,966.17	3/4	4,175.30	3/4	4,377.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,550.63	11	3,760.68	11	3,970.53	11	4,179.66	11	4,379.99	11		11	11	11	11	11	11	11	11
1/4	3,555.01	1/4	3,765.05	1/4	3,974.89	1/4	4,184.01	1/4	4,381.97	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,559.38	1/2	3,769.43	1/2	3,979.24	1/2	4,188.37	1/2	4,383.95	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,563.76	3/4	3,773.81	3/4	3,983.60	3/4	4,192.73	3/4	4,385.93	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: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

3 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	299.22	0	641.00	0	982.50	0	1,324.07	0	1,665.85	0	2,007.64	0	2,349.42	0	2,691.05	0	3,031.97
1/4	3.93	1/4	306.34	1/4	648.12	1/4	989.61	1/4	1,331.19	1/4	1,672.97	1/4	2,014.76	1/4	2,356.54	1/4	2,698.15	1/4	3,039.07
1/2	5.71	1/2	313.46	1/2	655.24	1/2	996.71	1/2	1,338.31	1/2	1,680.09	1/2	2,021.88	1/2	2,363.66	1/2	2,705.26	1/2	3,046.17
3/4	7.49	3/4	320.58	3/4	662.36	3/4	1,003.82	3/4	1,345.43	3/4	1,687.21	3/4	2,029.00	3/4	2,370.78	3/4	2,712.36	3/4	3,053.27
1	9.27	1	327.70	1	669.48	1	1,010.93	1	1,352.55	1	1,694.33	1	2,036.12	1	2,377.90	1	2,719.46	1	3,060.38
1/4	12.83	1/4	334.82	1/4	676.60	1/4	1,018.03	1/4	1,359.67	1/4	1,701.45	1/4	2,043.24	1/4	2,385.02	1/4	2,726.56	1/4	3,067.48
1/2	16.39	1/2	341.94	1/2	683.72	1/2	1,025.14	1/2	1,366.79	1/2	1,708.57	1/2	2,050.36	1/2	2,392.14	1/2	2,733.67	1/2	3,074.58
3/4	19.95	3/4	349.07	3/4	690.84	3/4	1,032.25	3/4	1,373.91	3/4	1,715.70	3/4	2,057.48	3/4	2,399.26	3/4	2,740.77	3/4	3,081.68
2	23.51	2	356.19	2	697.96	2	1,039.35	2	1,381.03	2	1,722.82	2	2,064.60	2	2,406.38	2	2,747.87	2	3,088.79
1/4	28.85	1/4	363.31	1/4	705.09	1/4	1,046.46	1/4	1,388.15	1/4	1,729.94	1/4	2,071.72	1/4	2,413.50	1/4	2,754.97	1/4	3,095.89
1/2	34.18	1/2	370.43	1/2	712.21	1/2	1,053.57	1/2	1,395.27	1/2	1,737.06	1/2	2,078.84	1/2	2,420.62	1/2	2,762.08	1/2	3,102.99
3/4	39.52	3/4	377.55	3/4	719.33	3/4	1,060.67	3/4	1,402.39	3/4	1,744.18	3/4	2,085.96	3/4	2,427.75	3/4	2,769.18	3/4	3,110.09
3	44.86	3	384.67	3	726.45	3	1,067.78	3	1,409.51	3	1,751.30	3	2,093.08	3	2,434.87	3	2,776.28	3	3,117.20
1/4	51.52	1/4	391.79	1/4	733.57	1/4	1,074.89	1/4	1,416.63	1/4	1,758.42	1/4	2,100.20	1/4	2,441.99	1/4	2,783.38	1/4	3,124.29
1/2	58.18	1/2	398.91	1/2	740.69	1/2	1,082.00	1/2	1,423.75	1/2	1,765.54	1/2	2,107.32	1/2	2,449.11	1/2	2,790.49	1/2	3,131.38
3/4	64.83	3/4	406.03	3/4	747.81	3/4	1,089.11	3/4	1,430.88	3/4	1,772.66	3/4	2,114.44	3/4	2,456.23	3/4	2,797.59	3/4	3,138.48
4	71.49	4	413.15	4	754.93	4	1,096.22	4	1,438.00	4	1,779.78	4	2,121.56	4	2,463.35	4	2,804.69	4	3,145.57
1/4	78.59	1/4	420.27	1/4	762.05	1/4	1,103.34	1/4	1,445.12	1/4	1,786.90	1/4	2,128.68	1/4	2,470.47	1/4	2,811.79	1/4	3,152.66
1/2	85.68	1/2	427.39	1/2	769.17	1/2	1,110.46	1/2	1,452.24	1/2	1,794.02	1/2	2,135.80	1/2	2,477.59	1/2	2,818.89	1/2	3,159.74
3/4	92.78	3/4	434.51	3/4	776.29	3/4	1,117.58	3/4	1,459.36	3/4	1,801.14	3/4	2,142.93	3/4	2,484.71	3/4	2,826.00	3/4	3,166.83
5	99.88	5	441.63	5	783.41	5	1,124.69	5	1,466.48	5	1,808.26	5	2,150.05	5	2,491.83	5	2,833.10	5	3,173.91
1/4	106.99	1/4	448.75	1/4	790.53	1/4	1,131.81	1/4	1,473.60	1/4	1,815.38	1/4	2,157.17	1/4	2,498.95	1/4	2,840.20	1/4	3,181.00
1/2	114.11	1/2	455.87	1/2	797.65	1/2	1,138.93	1/2	1,480.72	1/2	1,822.50	1/2	2,164.29	1/2	2,506.08	1/2	2,847.30	1/2	3,188.08
3/4	121.22	3/4	462.99	3/4	804.77	3/4	1,146.06	3/4	1,487.84	3/4	1,829.62	3/4	2,171.41	3/4	2,513.20	3/4	2,854.41	3/4	3,195.17
6	128.34	6	470.11	6	811.89	6	1,153.18	6	1,494.96	6	1,836.74	6	2,178.53	6	2,520.33	6	2,861.51	6	3,202.25
1/4	135.46	1/4	477.23	1/4	819.01	1/4	1,160.30	1/4	1,502.08	1/4	1,843.86	1/4	2,185.65	1/4	2,527.45	1/4	2,868.61	1/4	3,209.34
1/2	142.58	1/2	484.35	1/2	826.12	1/2	1,167.42	1/2	1,509.20	1/2	1,850.98	1/2	2,192.77	1/2	2,534.57	1/2	2,875.71	1/2	3,216.42
3/4	149.69	3/4	491.47	3/4	833.24	3/4	1,174.54	3/4	1,516.32	3/4	1,858.11	3/4	2,199.89	3/4	2,541.69	3/4	2,882.82	3/4	3,223.51
7	156.81	7	498.59	7	840.36	7	1,181.66	7	1,523.44	7	1,865.23	7	2,207.01	7	2,548.81	7	2,889.92	7	3,230.59
1/4	163.93	1/4	505.71	1/4	847.47	1/4	1,188.78	1/4	1,530.56	1/4	1,872.35	1/4	2,214.13	1/4	2,555.94	1/4	2,897.02	1/4	3,237.68
1/2	171.06	1/2	512.83	1/2	854.58	1/2	1,195.90	1/2	1,537.68	1/2	1,879.47	1/2	2,221.25	1/2	2,563.06	1/2	2,904.12	1/2	3,244.76
3/4	178.18	3/4	519.95	3/4	861.69	3/4	1,203.02	3/4	1,544.80	3/4	1,886.59	3/4	2,228.37	3/4	2,570.18	3/4	2,911.23	3/4	3,251.85
8	185.30	8	527.08	8	868.80	8	1,210.14	8	1,551.92	8	1,893.71	8	2,235.49	8	2,577.30	8	2,918.33	8	3,258.93
1/4	192.42	1/4	534.20	1/4	875.90	1/4	1,217.26	1/4	1,559.04	1/4	1,900.83	1/4	2,242.61	1/4	2,584.42	1/4	2,925.43	1/4	3,266.02
1/2	199.54	1/2	541.32	1/2	883.01	1/2	1,224.38	1/2	1,566.16	1/2	1,907.95	1/2	2,249.73	1/2	2,591.54	1/2	2,932.53	1/2	3,273.10
3/4	206.66	3/4	548.44	3/4	890.12	3/4	1,231.50	3/4	1,573.29	3/4	1,915.07	3/4	2,256.85	3/4	2,598.66	3/4	2,939.64	3/4	3,280.19
9	213.78	9	555.56	9	897.22	9	1,238.62	9	1,580.41	9	1,922.19	9	2,263.97	9	2,605.79	9	2,946.74	9	3,287.27
1/4	220.90	1/4	562.68	1/4	904.33	1/4	1,245.74	1/4	1,587.53	1/4	1,929.31	1/4	2,271.09	1/4	2,612.90	1/4	2,953.84	1/4	3,294.36
1/2	228.02	1/2	569.80	1/2	911.44	1/2	1,252.86	1/2	1,594.65	1/2	1,936.43	1/2	2,278.21	1/2	2,620.01	1/2	2,960.94	1/2	3,301.44
3/4	235.14	3/4	576.92	3/4	918.54	3/4	1,259.98	3/4	1,601.77	3/4	1,943.55	3/4	2,285.34	3/4	2,627.12	3/4	2,968.05	3/4	3,308.53
10	242.26	10	584.04	10	925.65	10	1,267.10	10	1,608.89	10	1,950.67	10	2,292.46	10	2,634.23	10	2,975.15	10	3,315.61
1/4	249.38	1/4	591.16	1/4	932.76	1/4	1,274.22	1/4	1,616.01	1/4	1,957.79	1/4	2,299.58	1/4	2,641.33	1/4	2,982.25	1/4	3,322.70
1/2	256.50	1/2	598.28	1/2	939.86	1/2	1,281.34	1/2	1,623.13	1/2	1,964.91	1/2	2,306.70	1/2	2,648.44	1/2	2,989.35	1/2	3,329.78
3/4	263.62	3/4	605.40	3/4	946.97	3/4	1,288.47	3/4	1,630.25	3/4	1,972.03	3/4	2,313.82	3/4	2,655.54	3/4	2,996.45	3/4	3,336.87
11	270.74	11	612.52	11	954.08	11	1,295.59	11	1,637.37	11	1,979.15	11	2,320.94	11	2,662.64	11	3,003.56	11	3,343.95
1/4	277.86	1/4	619.64	1/4	961.18	1/4	1,302.71	1/4	1,644.49	1/4	1,986.27	1/4	2,328.06	1/4	2,669.74	1/4	3,010.66	1/4	3,349.66
1/2	284.98	1/2	626.76	1/2	968.29	1/2	1,309.83	1/2	1,651.61	1/2	1,993.39	1/2	2,335.18	1/2	2,676.85	1/2	3,017.76	1/2	3,355.37
3/4	292.10	3/4	633.88	3/4	975.39	3/4	1,316.95	3/4	1,658.73	3/4	2,000.52	3/4	2,342.30	3/4	2,683.95	3/4	3,024.86	3/4	3,361.08

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 3304"

**3 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	3,366.79	0	3,576.19	0	3,785.80	0	3,995.15	0	4,203.85	0	4,394.28	0		0		0		0	
1/4	3,371.12	1/4	3,580.55	1/4	3,790.17	1/4	3,999.49	1/4	4,208.19	1/4	4,395.99	1/4		1/4		1/4		1/4	
1/2	3,375.45	1/2	3,584.92	1/2	3,794.54	1/2	4,003.84	1/2	4,212.54	1/2	4,397.69	1/2		1/2		1/2		1/2	
3/4	3,379.78	3/4	3,589.29	3/4	3,798.90	3/4	4,008.19	3/4	4,216.89	3/4	4,399.40	3/4		3/4		3/4		3/4	
1	3,384.11	1	3,593.66	1	3,803.27	1	4,012.54	1	4,221.24	1	4,401.10	1		1		1		1	
1/4	3,388.46	1/4	3,598.02	1/4	3,807.64	1/4	4,016.89	1/4	4,225.59	1/4	4,402.81	1/4		1/4		1/4		1/4	
1/2	3,392.81	1/2	3,602.39	1/2	3,812.01	1/2	4,021.23	1/2	4,229.93	1/2	4,404.52	1/2		1/2		1/2		1/2	
3/4	3,397.16	3/4	3,606.76	3/4	3,816.37	3/4	4,025.58	3/4	4,234.28	3/4	4,406.22	3/4		3/4		3/4		3/4	
2	3,401.51	2	3,611.12	2	3,820.74	2	4,029.93	2	4,238.63	2	4,407.93	2		2		2		2	
1/4	3,405.87	1/4	3,615.49	1/4	3,825.11	1/4	4,034.28	1/4	4,242.98	1/4	4,409.00	1/4		1/4		1/4		1/4	
1/2	3,410.24	1/2	3,619.86	1/2	3,829.47	1/2	4,038.63	1/2	4,247.32	1/2	4,410.08	1/2		1/2		1/2		1/2	
3/4	3,414.61	3/4	3,624.22	3/4	3,833.84	3/4	4,042.97	3/4	4,251.67	3/4	4,411.15	3/4		3/4		3/4		3/4	
3	3,418.98	3	3,628.59	3	3,838.21	3	4,047.32	3	4,256.02	3	4,412.23	3		3		3		3	
1/4	3,423.34	1/4	3,632.96	1/4	3,842.57	1/4	4,051.67	1/4	4,260.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,427.71	1/2	3,637.33	1/2	3,846.94	1/2	4,056.02	1/2	4,264.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,432.08	3/4	3,641.69	3/4	3,851.31	3/4	4,060.36	3/4	4,269.06	3/4		3/4		3/4		3/4		3/4	
4	3,436.44	4	3,646.06	4	3,855.68	4	4,064.71	4	4,273.41	4		4		4		4		4	
1/4	3,440.81	1/4	3,650.43	1/4	3,860.04	1/4	4,069.06	1/4	4,277.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,445.18	1/2	3,654.79	1/2	3,864.41	1/2	4,073.41	1/2	4,282.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,449.54	3/4	3,659.16	3/4	3,868.78	3/4	4,077.76	3/4	4,286.42	3/4		3/4		3/4		3/4		3/4	
5	3,453.91	5	3,663.53	5	3,873.14	5	4,082.10	5	4,290.75	5		5		5		5		5	
1/4	3,458.28	1/4	3,667.89	1/4	3,877.51	1/4	4,086.45	1/4	4,295.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,462.65	1/2	3,672.26	1/2	3,881.88	1/2	4,090.80	1/2	4,299.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,467.01	3/4	3,676.63	3/4	3,886.24	3/4	4,095.15	3/4	4,303.71	3/4		3/4		3/4		3/4		3/4	
6	3,471.38	6	3,681.00	6	3,890.61	6	4,099.50	6	4,308.03	6		6		6		6		6	
1/4	3,475.75	1/4	3,685.36	1/4	3,894.98	1/4	4,103.84	1/4	4,312.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,480.11	1/2	3,689.73	1/2	3,899.35	1/2	4,108.19	1/2	4,316.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,484.48	3/4	3,694.10	3/4	3,903.71	3/4	4,112.54	3/4	4,320.99	3/4		3/4		3/4		3/4		3/4	
7	3,488.85	7	3,698.46	7	3,908.08	7	4,116.89	7	4,325.31	7		7		7		7		7	
1/4	3,493.21	1/4	3,702.83	1/4	3,912.45	1/4	4,121.24	1/4	4,329.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,497.58	1/2	3,707.20	1/2	3,916.81	1/2	4,125.58	1/2	4,333.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,501.95	3/4	3,711.56	3/4	3,921.18	3/4	4,129.93	3/4	4,338.24	3/4		3/4		3/4		3/4		3/4	
8	3,506.32	8	3,715.93	8	3,925.55	8	4,134.28	8	4,342.55	8		8		8		8		8	
1/4	3,510.68	1/4	3,720.30	1/4	3,929.90	1/4	4,138.63	1/4	4,346.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,515.05	1/2	3,724.67	1/2	3,934.26	1/2	4,142.97	1/2	4,351.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,519.42	3/4	3,729.03	3/4	3,938.62	3/4	4,147.32	3/4	4,355.39	3/4		3/4		3/4		3/4		3/4	
9	3,523.78	9	3,733.40	9	3,942.97	9	4,151.67	9	4,359.67	9		9		9		9		9	
1/4	3,528.15	1/4	3,737.77	1/4	3,947.32	1/4	4,156.02	1/4	4,363.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,532.52	1/2	3,742.13	1/2	3,951.67	1/2	4,160.37	1/2	4,367.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,536.88	3/4	3,746.50	3/4	3,956.02	3/4	4,164.71	3/4	4,371.19	3/4		3/4		3/4		3/4		3/4	
10	3,541.25	10	3,750.87	10	3,960.36	10	4,169.06	10	4,375.03	10		10		10		10		10	
1/4	3,545.62	1/4	3,755.23	1/4	3,964.71	1/4	4,173.41	1/4	4,377.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,549.99	1/2	3,759.60	1/2	3,969.06	1/2	4,177.76	1/2	4,380.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,554.35	3/4	3,763.97	3/4	3,973.41	3/4	4,182.11	3/4	4,383.54	3/4		3/4		3/4		3/4		3/4	
11	3,558.72	11	3,768.34	11	3,977.75	11	4,186.45	11	4,386.38	11		11		11		11		11	
1/4	3,563.09	1/4	3,772.70	1/4	3,982.10	1/4	4,190.80	1/4	4,388.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,567.45	1/2	3,777.07	1/2	3,986.45	1/2	4,195.15	1/2	4,390.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,571.82	3/4	3,781.44	3/4	3,990.80	3/4	4,199.50	3/4	4,392.31	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 SW

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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 3304"

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 8, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

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 Pearland, Texas 77588

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BARGE "FMT 3304"

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	5,035.60	0	4,750.44	0	4,409.06	0	4,066.84	0	3,723.89	0	3,381.01	0	3,038.16
1/4		1/4		1/4		1/4	5,033.59	1/4	4,743.33	1/4	4,401.95	1/4	4,059.69	1/4	3,716.74	1/4	3,373.87	1/4	3,031.02
1/2		1/2		1/2		1/2	5,031.58	1/2	4,736.22	1/2	4,394.84	1/2	4,052.55	1/2	3,709.60	1/2	3,366.73	1/2	3,023.87
3/4		3/4		3/4		3/4	5,029.58	3/4	4,729.11	3/4	4,387.73	3/4	4,045.40	3/4	3,702.45	3/4	3,359.58	3/4	3,016.73
1		1		1		1	5,027.57	1	4,722.00	1	4,380.61	1	4,038.26	1	3,695.31	1	3,352.44	1	3,009.59
1/4		1/4		1/4		1/4	5,024.38	1/4	4,714.88	1/4	4,373.50	1/4	4,031.11	1/4	3,688.16	1/4	3,345.30	1/4	3,002.44
1/2		1/2		1/2		1/2	5,021.18	1/2	4,707.77	1/2	4,366.39	1/2	4,023.97	1/2	3,681.02	1/2	3,338.16	1/2	2,995.30
3/4		3/4		3/4		3/4	5,017.98	3/4	4,700.66	3/4	4,359.28	3/4	4,016.82	3/4	3,673.87	3/4	3,331.01	3/4	2,988.15
2		2		2		2	5,014.78	2	4,693.55	2	4,352.17	2	4,009.68	2	3,666.73	2	3,323.87	2	2,981.01
1/4		1/4		1/4		1/4	5,010.40	1/4	4,686.44	1/4	4,345.05	1/4	4,002.54	1/4	3,659.58	1/4	3,316.73	1/4	2,973.87
1/2		1/2		1/2		1/2	5,006.01	1/2	4,679.32	1/2	4,337.94	1/2	3,995.39	1/2	3,652.44	1/2	3,309.58	1/2	2,966.72
3/4		3/4		3/4		3/4	5,001.62	3/4	4,672.21	3/4	4,330.83	3/4	3,988.25	3/4	3,645.30	3/4	3,302.44	3/4	2,959.58
3		3		3		3	4,997.23	3	4,665.10	3	4,323.72	3	3,981.10	3	3,638.15	3	3,295.30	3	2,952.43
1/4		1/4		1/4		1/4	4,991.66	1/4	4,657.99	1/4	4,316.61	1/4	3,973.96	1/4	3,631.01	1/4	3,288.16	1/4	2,945.29
1/2		1/2		1/2		1/2	4,986.08	1/2	4,650.87	1/2	4,309.49	1/2	3,966.81	1/2	3,623.87	1/2	3,281.01	1/2	2,938.14
3/4		3/4		3/4		3/4	4,980.50	3/4	4,643.76	3/4	4,302.38	3/4	3,959.67	3/4	3,616.72	3/4	3,273.87	3/4	2,931.00
4		4		4		4	4,974.92	4	4,636.65	4	4,295.27	4	3,952.52	4	3,609.58	4	3,266.73	4	2,923.85
1/4		1/4		1/4		1/4	4,968.33	1/4	4,629.54	1/4	4,288.16	1/4	3,945.38	1/4	3,602.44	1/4	3,259.58	1/4	2,916.71
1/2		1/2		1/2		1/2	4,961.75	1/2	4,622.43	1/2	4,281.05	1/2	3,938.23	1/2	3,595.30	1/2	3,252.44	1/2	2,909.56
3/4		3/4		3/4		3/4	4,955.16	3/4	4,615.31	3/4	4,273.93	3/4	3,931.09	3/4	3,588.15	3/4	3,245.30	3/4	2,902.42
5		5		5		5	4,948.57	5	4,608.20	5	4,266.82	5	3,923.94	5	3,581.01	5	3,238.16	5	2,895.27
1/4		1/4		1/4		1/4	4,941.55	1/4	4,601.09	1/4	4,259.69	1/4	3,916.80	1/4	3,573.87	1/4	3,231.01	1/4	2,888.13
1/2		1/2		1/2		1/2	4,934.52	1/2	4,593.98	1/2	4,252.57	1/2	3,909.65	1/2	3,566.73	1/2	3,223.87	1/2	2,880.98
3/4		3/4		3/4		3/4	4,927.50	3/4	4,586.87	3/4	4,245.44	3/4	3,902.51	3/4	3,559.58	3/4	3,216.73	3/4	2,873.84
6		6		6		6	4,920.47	6	4,579.75	6	4,238.31	6	3,895.36	6	3,552.44	6	3,209.59	6	2,866.70
1/4		1/4		1/4		1/4	4,913.41	1/4	4,572.64	1/4	4,231.17	1/4	3,888.22	1/4	3,545.30	1/4	3,202.44	1/4	2,859.55
1/2		1/2		1/2		1/2	4,906.35	1/2	4,565.53	1/2	4,224.02	1/2	3,881.07	1/2	3,538.15	1/2	3,195.30	1/2	2,852.41
3/4		3/4		3/4		3/4	4,899.29	3/4	4,558.42	3/4	4,216.88	3/4	3,873.93	3/4	3,531.01	3/4	3,188.16	3/4	2,845.26
7		7		7		7	4,892.23	7	4,551.31	7	4,209.73	7	3,866.78	7	3,523.87	7	3,181.01	7	2,838.12
1/4		1/4		1/4		1/4	4,885.17	1/4	4,544.19	1/4	4,202.59	1/4	3,859.64	1/4	3,516.73	1/4	3,173.87	1/4	2,830.97
1/2		1/2		1/2		1/2	4,878.10	1/2	4,537.08	1/2	4,195.44	1/2	3,852.49	1/2	3,509.58	1/2	3,166.73	1/2	2,823.83
3/4		3/4		3/4		3/4	4,871.03	3/4	4,529.97	3/4	4,188.30	3/4	3,845.35	3/4	3,502.44	3/4	3,159.59	3/4	2,816.68
8		8		8		8	4,863.97	8	4,522.86	8	4,181.16	8	3,838.20	8	3,495.30	8	3,152.44	8	2,809.54
1/4		1/4		1/4		1/4	4,856.90	1/4	4,515.74	1/4	4,174.01	1/4	3,831.06	1/4	3,488.15	1/4	3,145.30	1/4	2,802.39
1/2		1/2		1/2		1/2	4,849.83	1/2	4,508.63	1/2	4,166.87	1/2	3,823.92	1/2	3,481.01	1/2	3,138.16	1/2	2,795.25
3/4		3/4		3/4		3/4	4,842.76	3/4	4,501.52	3/4	4,159.72	3/4	3,816.77	3/4	3,473.87	3/4	3,131.01	3/4	2,788.10
9		9		9		9	4,835.70	9	4,494.41	9	4,152.58	9	3,809.63	9	3,466.73	9	3,123.87	9	2,780.96
1/4		1/4		1/4		1/4	4,828.61	1/4	4,487.30	1/4	4,145.43	1/4	3,802.48	1/4	3,459.58	1/4	3,116.73	1/4	2,773.81
1/2		1/2		1/2		1/2	4,821.52	1/2	4,480.18	1/2	4,138.29	1/2	3,795.34	1/2	3,452.44	1/2	3,109.59	1/2	2,766.67
3/4		3/4		3/4		3/4	4,814.43	3/4	4,473.07	3/4	4,131.14	3/4	3,788.19	3/4	3,445.30	3/4	3,102.44	3/4	2,759.53
10		10		10		10	4,807.34	10	4,465.96	10	4,124.00	10	3,781.05	10	3,438.15	10	3,095.30	10	2,752.38
1/4		1/4		1/4		1/4	4,800.23	1/4	4,458.85	1/4	4,116.85	1/4	3,773.90	1/4	3,431.01	1/4	3,088.16	1/4	2,745.24
1/2		1/2		1/2		1/2	4,793.12	1/2	4,451.74	1/2	4,109.71	1/2	3,766.76	1/2	3,423.87	1/2	3,081.01	1/2	2,738.09
3/4		3/4		3/4		3/4	4,786.00	3/4	4,444.62	3/4	4,102.56	3/4	3,759.61	3/4	3,416.73	3/4	3,073.87	3/4	2,730.95
11		11		11	5,039.31	11	4,778.89	11	4,437.51	11	4,095.42	11	3,752.47	11	3,409.58	11	3,066.73	11	2,723.80
1/4		1/4		1/4	5,038.38	1/4	4,771.78	1/4	4,430.40	1/4	4,088.27	1/4	3,745.32	1/4	3,402.44	1/4	3,059.59	1/4	2,716.66
1/2		1/2		1/2	5,037.45	1/2	4,764.67	1/2	4,423.29	1/2	4,081.13	1/2	3,738.18	1/2	3,395.30	1/2	3,052.44	1/2	2,709.51
3/4		3/4		3/4	5,036.52	3/4	4,757.56	3/4	4,416.18	3/4	4,073.98	3/4	3,731.03	3/4	3,388.16	3/4	3,045.30	3/4	2,702.37

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 3304"

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	2,695.22	0	2,352.27	0	2,009.30	0	1,666.33	0	1,323.36	0	981.10	0	640.06	0	304.24	0	20.50	0	
1/4	2,688.08	1/4	2,345.12	1/4	2,002.15	1/4	1,659.18	1/4	1,316.22	1/4	974.01	1/4	632.91	1/4	297.68	1/4	17.70	1/4	
1/2	2,680.93	1/2	2,337.98	1/2	1,995.01	1/2	1,652.04	1/2	1,309.07	1/2	966.93	1/2	625.77	1/2	291.11	1/2	14.90	1/2	
3/4	2,673.79	3/4	2,330.83	3/4	1,987.86	3/4	1,644.89	3/4	1,301.92	3/4	959.85	3/4	618.62	3/4	284.55	3/4	12.10	3/4	
1	2,666.64	1	2,323.69	1	1,980.72	1	1,637.75	1	1,294.78	1	952.76	1	611.48	1	277.99	1	9.30	1	
1/4	2,659.50	1/4	2,316.54	1/4	1,973.57	1/4	1,630.60	1/4	1,287.63	1/4	945.68	1/4	604.33	1/4	271.52	1/4	7.51	1/4	
1/2	2,652.35	1/2	2,309.40	1/2	1,966.43	1/2	1,623.46	1/2	1,280.49	1/2	938.59	1/2	597.19	1/2	265.04	1/2	5.73	1/2	
3/4	2,645.21	3/4	2,302.25	3/4	1,959.28	3/4	1,616.31	3/4	1,273.34	3/4	931.51	3/4	590.04	3/4	258.56	3/4	3.94	3/4	
2	2,638.07	2	2,295.11	2	1,952.14	2	1,609.17	2	1,266.20	2	924.42	2	582.90	2	252.09	2	2.15	2	
1/4	2,630.92	1/4	2,287.96	1/4	1,944.99	1/4	1,602.02	1/4	1,259.05	1/4	917.34	1/4	575.75	1/4	245.69	1/4		1/4	
1/2	2,623.78	1/2	2,280.82	1/2	1,937.85	1/2	1,594.88	1/2	1,251.91	1/2	910.25	1/2	568.61	1/2	239.30	1/2		1/2	
3/4	2,616.64	3/4	2,273.67	3/4	1,930.70	3/4	1,587.73	3/4	1,244.76	3/4	903.17	3/4	561.46	3/4	232.90	3/4		3/4	
3	2,609.50	3	2,266.53	3	1,923.56	3	1,580.59	3	1,237.62	3	896.08	3	554.32	3	226.51	3		3	
1/4	2,602.35	1/4	2,259.38	1/4	1,916.41	1/4	1,573.44	1/4	1,230.47	1/4	889.00	1/4	547.17	1/4	220.20	1/4		1/4	
1/2	2,595.21	1/2	2,252.24	1/2	1,909.27	1/2	1,566.30	1/2	1,223.33	1/2	881.91	1/2	540.03	1/2	213.89	1/2		1/2	
3/4	2,588.06	3/4	2,245.09	3/4	1,902.12	3/4	1,559.15	3/4	1,216.18	3/4	874.83	3/4	532.88	3/4	207.58	3/4		3/4	
4	2,580.92	4	2,237.95	4	1,894.98	4	1,552.01	4	1,209.04	4	867.74	4	525.74	4	201.27	4		4	
1/4	2,573.77	1/4	2,230.80	1/4	1,887.83	1/4	1,544.86	1/4	1,201.89	1/4	860.66	1/4	518.59	1/4	195.04	1/4		1/4	
1/2	2,566.63	1/2	2,223.66	1/2	1,880.69	1/2	1,537.72	1/2	1,194.75	1/2	853.58	1/2	511.45	1/2	188.82	1/2		1/2	
3/4	2,559.48	3/4	2,216.51	3/4	1,873.54	3/4	1,530.57	3/4	1,187.60	3/4	846.49	3/4	504.30	3/4	182.59	3/4		3/4	
5	2,552.33	5	2,209.37	5	1,866.40	5	1,523.43	5	1,180.46	5	839.41	5	497.16	5	176.36	5		5	
1/4	2,545.19	1/4	2,202.22	1/4	1,859.25	1/4	1,516.28	1/4	1,173.31	1/4	832.32	1/4	490.04	1/4	170.22	1/4		1/4	
1/2	2,538.04	1/2	2,195.07	1/2	1,852.11	1/2	1,509.14	1/2	1,166.17	1/2	825.24	1/2	482.92	1/2	164.08	1/2		1/2	
3/4	2,530.90	3/4	2,187.93	3/4	1,844.96	3/4	1,501.99	3/4	1,159.02	3/4	818.15	3/4	475.79	3/4	157.93	3/4		3/4	
6	2,523.75	6	2,180.78	6	1,837.81	6	1,494.85	6	1,151.88	6	811.07	6	468.67	6	151.79	6		6	
1/4	2,516.61	1/4	2,173.64	1/4	1,830.67	1/4	1,487.70	1/4	1,144.73	1/4	803.98	1/4	461.62	1/4	145.73	1/4		1/4	
1/2	2,509.46	1/2	2,166.49	1/2	1,823.52	1/2	1,480.55	1/2	1,137.59	1/2	796.89	1/2	454.56	1/2	139.67	1/2		1/2	
3/4	2,502.32	3/4	2,159.35	3/4	1,816.38	3/4	1,473.41	3/4	1,130.44	3/4	789.80	3/4	447.50	3/4	133.61	3/4		3/4	
7	2,495.17	7	2,152.20	7	1,809.23	7	1,466.26	7	1,123.29	7	782.71	7	440.45	7	127.55	7		7	
1/4	2,488.03	1/4	2,145.06	1/4	1,802.09	1/4	1,459.12	1/4	1,116.15	1/4	775.61	1/4	433.47	1/4	121.58	1/4		1/4	
1/2	2,480.88	1/2	2,137.91	1/2	1,794.94	1/2	1,451.97	1/2	1,109.00	1/2	768.51	1/2	426.50	1/2	115.60	1/2		1/2	
3/4	2,473.74	3/4	2,130.77	3/4	1,787.80	3/4	1,444.83	3/4	1,101.86	3/4	761.41	3/4	419.52	3/4	109.63	3/4		3/4	
8	2,466.59	8	2,123.62	8	1,780.65	8	1,437.68	8	1,094.71	8	754.31	8	412.55	8	103.65	8		8	
1/4	2,459.45	1/4	2,116.48	1/4	1,773.51	1/4	1,430.54	1/4	1,087.59	1/4	747.18	1/4	405.65	1/4	97.76	1/4		1/4	
1/2	2,452.30	1/2	2,109.33	1/2	1,766.36	1/2	1,423.39	1/2	1,080.46	1/2	740.05	1/2	398.76	1/2	91.88	1/2		1/2	
3/4	2,445.16	3/4	2,102.19	3/4	1,759.22	3/4	1,416.25	3/4	1,073.33	3/4	732.93	3/4	391.86	3/4	85.99	3/4		3/4	
9	2,438.01	9	2,095.04	9	1,752.07	9	1,409.10	9	1,066.20	9	725.80	9	384.97	9	80.10	9		9	
1/4	2,430.87	1/4	2,087.90	1/4	1,744.93	1/4	1,401.96	1/4	1,059.10	1/4	718.65	1/4	378.16	1/4	74.32	1/4		1/4	
1/2	2,423.72	1/2	2,080.75	1/2	1,737.78	1/2	1,394.81	1/2	1,052.00	1/2	711.51	1/2	371.34	1/2	68.53	1/2		1/2	
3/4	2,416.58	3/4	2,073.61	3/4	1,730.64	3/4	1,387.67	3/4	1,044.90	3/4	704.36	3/4	364.53	3/4	62.75	3/4		3/4	
10	2,409.43	10	2,066.46	10	1,723.49	10	1,380.52	10	1,037.79	10	697.22	10	357.72	10	56.96	10		10	
1/4	2,402.29	1/4	2,059.32	1/4	1,716.35	1/4	1,373.38	1/4	1,030.70	1/4	690.07	1/4	351.00	1/4	51.70	1/4		1/4	
1/2	2,395.14	1/2	2,052.17	1/2	1,709.20	1/2	1,366.23	1/2	1,023.62	1/2	682.93	1/2	344.27	1/2	46.44	1/2		1/2	
3/4	2,388.00	3/4	2,045.03	3/4	1,702.06	3/4	1,359.09	3/4	1,016.53	3/4	675.78	3/4	337.54	3/4	41.18	3/4		3/4	
11	2,380.85	11	2,037.88	11	1,694.91	11	1,351.94	11	1,009.44	11	668.64	11	330.81	11	35.92	11		11	
1/4	2,373.70	1/4	2,030.74	1/4	1,687.77	1/4	1,344.80	1/4	1,002.35	1/4	661.49	1/4	324.17	1/4	32.06	1/4		1/4	
1/2	2,366.56	1/2	2,023.59	1/2	1,680.62	1/2	1,337.65	1/2	995.27	1/2	654.35	1/2	317.52	1/2	28.21	1/2		1/2	
3/4	2,359.41	3/4	2,016.44	3/4	1,673.48	3/4	1,330.51	3/4	988.18	3/4	647.20	3/4	310.88	3/4	24.35	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

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	5,042.66	0	4,757.25	0	4,415.55	0	4,073.00	0	3,729.73	0	3,386.53	0	3,043.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,040.65	1/4	4,750.13	1/4	4,408.43	1/4	4,065.85	1/4	3,722.57	1/4	3,379.38	1/4	3,036.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,038.65	1/2	4,743.01	1/2	4,401.31	1/2	4,058.69	1/2	3,715.42	1/2	3,372.23	1/2	3,029.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,036.64	3/4	4,735.89	3/4	4,394.19	3/4	4,051.54	3/4	3,708.27	3/4	3,365.08	3/4	3,021.90		
1	1	1	1	1	1	1	5,034.63	1	4,728.77	1	4,387.07	1	4,044.39	1	3,701.12	1	3,357.93	1	3,014.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,031.43	1/4	4,721.65	1/4	4,379.95	1/4	4,037.24	1/4	3,693.97	1/4	3,350.78	1/4	3,007.60		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,028.23	1/2	4,714.54	1/2	4,372.83	1/2	4,030.09	1/2	3,686.82	1/2	3,343.63	1/2	3,000.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,025.03	3/4	4,707.42	3/4	4,365.71	3/4	4,022.94	3/4	3,679.67	3/4	3,336.48	3/4	2,993.30		
2	2	2	2	2	2	2	5,021.83	2	4,700.30	2	4,358.60	2	4,015.79	2	3,672.51	2	3,329.33	2	2,986.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,017.44	1/4	4,693.18	1/4	4,351.48	1/4	4,008.63	1/4	3,665.36	1/4	3,322.18	1/4	2,979.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,013.05	1/2	4,686.06	1/2	4,344.36	1/2	4,001.48	1/2	3,658.21	1/2	3,315.03	1/2	2,971.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,008.66	3/4	4,678.94	3/4	4,337.24	3/4	3,994.33	3/4	3,651.06	3/4	3,307.88	3/4	2,964.69		
3	3	3	3	3	3	3	5,004.26	3	4,671.82	3	4,330.12	3	3,987.18	3	3,643.91	3	3,300.73	3	2,957.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,998.68	1/4	4,664.70	1/4	4,323.00	1/4	3,980.03	1/4	3,636.76	1/4	3,293.58	1/4	2,950.39		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,993.10	1/2	4,657.59	1/2	4,315.88	1/2	3,972.88	1/2	3,629.61	1/2	3,286.43	1/2	2,943.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,987.51	3/4	4,650.47	3/4	4,308.76	3/4	3,965.73	3/4	3,622.46	3/4	3,279.28	3/4	2,936.09		
4	4	4	4	4	4	4	4,981.93	4	4,643.35	4	4,301.65	4	3,958.57	4	3,615.31	4	3,272.13	4	2,928.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,975.34	1/4	4,636.23	1/4	4,294.53	1/4	3,951.42	1/4	3,608.16	1/4	3,264.99	1/4	2,921.79		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,968.74	1/2	4,629.11	1/2	4,287.41	1/2	3,944.27	1/2	3,601.01	1/2	3,257.84	1/2	2,914.63		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,962.15	3/4	4,621.99	3/4	4,280.29	3/4	3,937.12	3/4	3,593.86	3/4	3,250.69	3/4	2,907.48		
5	5	5	5	5	5	5	4,955.56	5	4,614.87	5	4,273.17	5	3,929.97	5	3,586.71	5	3,243.54	5	2,900.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,948.53	1/4	4,607.75	1/4	4,266.04	1/4	3,922.82	1/4	3,579.56	1/4	3,236.39	1/4	2,893.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,941.49	1/2	4,600.64	1/2	4,258.90	1/2	3,915.66	1/2	3,572.41	1/2	3,229.24	1/2	2,886.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,934.46	3/4	4,593.52	3/4	4,251.77	3/4	3,908.51	3/4	3,565.26	3/4	3,222.09	3/4	2,878.88		
6	6	6	6	6	6	6	4,927.43	6	4,586.40	6	4,244.63	6	3,901.36	6	3,558.11	6	3,214.94	6	2,871.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,920.36	1/4	4,579.28	1/4	4,237.48	1/4	3,894.21	1/4	3,550.97	1/4	3,207.79	1/4	2,864.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,913.30	1/2	4,572.16	1/2	4,230.33	1/2	3,887.06	1/2	3,543.82	1/2	3,200.64	1/2	2,857.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,906.23	3/4	4,565.04	3/4	4,223.18	3/4	3,879.91	3/4	3,536.67	3/4	3,193.49	3/4	2,850.27		
7	7	7	7	7	7	7	4,899.17	7	4,557.92	7	4,216.03	7	3,872.76	7	3,529.52	7	3,186.34	7	2,843.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,892.09	1/4	4,550.80	1/4	4,208.88	1/4	3,865.60	1/4	3,522.37	1/4	3,179.19	1/4	2,835.97		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,885.02	1/2	4,543.68	1/2	4,201.72	1/2	3,858.45	1/2	3,515.22	1/2	3,172.04	1/2	2,828.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,877.95	3/4	4,536.57	3/4	4,194.57	3/4	3,851.30	3/4	3,508.07	3/4	3,164.89	3/4	2,821.67		
8	8	8	8	8	8	8	4,870.88	8	4,529.45	8	4,187.42	8	3,844.15	8	3,500.92	8	3,157.74	8	2,814.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,863.80	1/4	4,522.33	1/4	4,180.27	1/4	3,837.00	1/4	3,493.77	1/4	3,150.59	1/4	2,807.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,856.73	1/2	4,515.21	1/2	4,173.12	1/2	3,829.85	1/2	3,486.62	1/2	3,143.44	1/2	2,800.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,849.65	3/4	4,508.09	3/4	4,165.97	3/4	3,822.70	3/4	3,479.47	3/4	3,136.29	3/4	2,793.06		
9	9	9	9	9	9	9	4,842.58	9	4,500.97	9	4,158.82	9	3,815.54	9	3,472.32	9	3,129.14	9	2,785.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,835.48	1/4	4,493.85	1/4	4,151.66	1/4	3,808.39	1/4	3,465.17	1/4	3,122.00	1/4	2,778.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,828.39	1/2	4,486.73	1/2	4,144.51	1/2	3,801.24	1/2	3,458.02	1/2	3,114.85	1/2	2,771.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,821.29	3/4	4,479.62	3/4	4,137.36	3/4	3,794.09	3/4	3,450.87	3/4	3,107.70	3/4	2,764.46		
10	10	10	10	10	10	10	4,814.20	10	4,472.50	10	4,130.21	10	3,786.94	10	3,443.72	10	3,100.55	10	2,757.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,807.08	1/4	4,465.38	1/4	4,123.06	1/4	3,779.79	1/4	3,436.57	1/4	3,093.40	1/4	2,750.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,799.96	1/2	4,458.26	1/2	4,115.91	1/2	3,772.63	1/2	3,429.42	1/2	3,086.25	1/2	2,743.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,792.84	3/4	4,451.14	3/4	4,108.76	3/4	3,765.48	3/4	3,422.27	3/4	3,079.10	3/4	2,735.85		
11	11	11	11	11	11	11	5,046.38	11	4,785.72	11	4,444.02	11	4,101.60	11	3,758.33	11	3,415.12	11	3,071.95	11	2,728.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,045.45	1/4	4,778.61	1/4	4,436.90	1/4	4,094.45	1/4	3,751.18	1/4	3,407.98	1/4	3,064.80	1/4	2,721.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,044.52	1/2	4,771.49	1/2	4,429.78	1/2	4,087.30	1/2	3,744.03	1/2	3,400.83	1/2	3,057.65	1/2	2,714.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,043.59	3/4	4,764.37	3/4	4,422.67	3/4	4,080.15	3/4	3,736.88	3/4	3,393.68	3/4	3,050.50	3/4	2,707.24

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 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 3304"

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	2,700.09	0	2,356.81	0	2,013.52	0	1,670.23	0	1,326.94	0	983.70	0	640.65	0	304.48	0	20.52	0	
1/4	2,692.94	1/4	2,349.66	1/4	2,006.37	1/4	1,663.08	1/4	1,319.79	1/4	976.56	1/4	633.50	1/4	297.92	1/4	17.72	1/4	
1/2	2,685.79	1/2	2,342.51	1/2	1,999.22	1/2	1,655.93	1/2	1,312.63	1/2	969.42	1/2	626.35	1/2	291.35	1/2	14.91	1/2	
3/4	2,678.64	3/4	2,335.36	3/4	1,992.06	3/4	1,648.77	3/4	1,305.48	3/4	962.27	3/4	619.20	3/4	284.78	3/4	12.11	3/4	
1	2,671.49	1	2,328.20	1	1,984.91	1	1,641.62	1	1,298.33	1	955.13	1	612.05	1	278.22	1	9.31	1	
1/4	2,664.34	1/4	2,321.05	1/4	1,977.76	1/4	1,634.47	1/4	1,291.18	1/4	947.99	1/4	604.90	1/4	271.73	1/4	7.52	1/4	
1/2	2,657.18	1/2	2,313.90	1/2	1,970.61	1/2	1,627.32	1/2	1,284.03	1/2	940.84	1/2	597.74	1/2	265.25	1/2	5.73	1/2	
3/4	2,650.03	3/4	2,306.75	3/4	1,963.46	3/4	1,620.17	3/4	1,276.87	3/4	933.70	3/4	590.59	3/4	258.77	3/4	3.95	3/4	
2	2,642.88	2	2,299.60	2	1,956.31	2	1,613.01	2	1,269.72	2	926.56	2	583.44	2	252.29	2	2.15	2	
1/4	2,635.73	1/4	2,292.44	1/4	1,949.15	1/4	1,605.86	1/4	1,262.57	1/4	919.42	1/4	576.29	1/4	245.89	1/4		1/4	
1/2	2,628.58	1/2	2,285.29	1/2	1,942.00	1/2	1,598.71	1/2	1,255.42	1/2	912.27	1/2	569.14	1/2	239.49	1/2		1/2	
3/4	2,621.43	3/4	2,278.14	3/4	1,934.85	3/4	1,591.56	3/4	1,248.27	3/4	905.13	3/4	561.99	3/4	233.09	3/4		3/4	
3	2,614.28	3	2,270.99	3	1,927.70	3	1,584.41	3	1,241.12	3	897.99	3	554.83	3	226.69	3		3	
1/4	2,607.13	1/4	2,263.84	1/4	1,920.55	1/4	1,577.25	1/4	1,233.96	1/4	890.84	1/4	547.68	1/4	220.38	1/4		1/4	
1/2	2,599.98	1/2	2,256.68	1/2	1,913.39	1/2	1,570.10	1/2	1,226.81	1/2	883.70	1/2	540.53	1/2	214.06	1/2		1/2	
3/4	2,592.82	3/4	2,249.53	3/4	1,906.24	3/4	1,562.95	3/4	1,219.66	3/4	876.56	3/4	533.38	3/4	207.75	3/4		3/4	
4	2,585.67	4	2,242.38	4	1,899.09	4	1,555.80	4	1,212.51	4	869.42	4	526.23	4	201.43	4		4	
1/4	2,578.52	1/4	2,235.23	1/4	1,891.94	1/4	1,548.65	1/4	1,205.36	1/4	862.27	1/4	519.08	1/4	195.20	1/4		1/4	
1/2	2,571.37	1/2	2,228.08	1/2	1,884.79	1/2	1,541.49	1/2	1,198.20	1/2	855.13	1/2	511.92	1/2	188.97	1/2		1/2	
3/4	2,564.22	3/4	2,220.93	3/4	1,877.63	3/4	1,534.34	3/4	1,191.05	3/4	847.99	3/4	504.77	3/4	182.73	3/4		3/4	
5	2,557.06	5	2,213.77	5	1,870.48	5	1,527.19	5	1,183.90	5	840.84	5	497.62	5	176.50	5		5	
1/4	2,549.91	1/4	2,206.62	1/4	1,863.33	1/4	1,520.04	1/4	1,176.75	1/4	833.70	1/4	490.49	1/4	170.35	1/4		1/4	
1/2	2,542.76	1/2	2,199.47	1/2	1,856.18	1/2	1,512.89	1/2	1,169.60	1/2	826.56	1/2	483.36	1/2	164.21	1/2		1/2	
3/4	2,535.61	3/4	2,192.32	3/4	1,849.03	3/4	1,505.74	3/4	1,162.44	3/4	819.42	3/4	476.23	3/4	158.06	3/4		3/4	
6	2,528.46	6	2,185.17	6	1,841.87	6	1,498.58	6	1,155.29	6	812.27	6	469.10	6	151.91	6		6	
1/4	2,521.31	1/4	2,178.01	1/4	1,834.72	1/4	1,491.43	1/4	1,148.14	1/4	805.13	1/4	462.03	1/4	145.85	1/4		1/4	
1/2	2,514.15	1/2	2,170.86	1/2	1,827.57	1/2	1,484.28	1/2	1,140.99	1/2	797.98	1/2	454.96	1/2	139.78	1/2		1/2	
3/4	2,507.00	3/4	2,163.71	3/4	1,820.42	3/4	1,477.13	3/4	1,133.84	3/4	790.83	3/4	447.89	3/4	133.72	3/4		3/4	
7	2,499.85	7	2,156.56	7	1,813.27	7	1,469.98	7	1,126.68	7	783.69	7	440.83	7	127.65	7		7	
1/4	2,492.70	1/4	2,149.41	1/4	1,806.12	1/4	1,462.82	1/4	1,119.53	1/4	776.53	1/4	433.84	1/4	121.67	1/4		1/4	
1/2	2,485.55	1/2	2,142.25	1/2	1,798.96	1/2	1,455.67	1/2	1,112.38	1/2	769.38	1/2	426.86	1/2	115.69	1/2		1/2	
3/4	2,478.39	3/4	2,135.10	3/4	1,791.81	3/4	1,448.52	3/4	1,105.23	3/4	762.23	3/4	419.87	3/4	109.71	3/4		3/4	
8	2,471.24	8	2,127.95	8	1,784.66	8	1,441.37	8	1,098.08	8	755.08	8	412.89	8	103.73	8		8	
1/4	2,464.09	1/4	2,120.80	1/4	1,777.51	1/4	1,434.22	1/4	1,090.93	1/4	747.93	1/4	405.99	1/4	97.84	1/4		1/4	
1/2	2,456.94	1/2	2,113.65	1/2	1,770.36	1/2	1,427.06	1/2	1,083.77	1/2	740.78	1/2	399.09	1/2	91.95	1/2		1/2	
3/4	2,449.79	3/4	2,106.50	3/4	1,763.20	3/4	1,419.91	3/4	1,076.62	3/4	733.63	3/4	392.19	3/4	86.06	3/4		3/4	
9	2,442.63	9	2,099.34	9	1,756.05	9	1,412.76	9	1,069.47	9	726.47	9	385.28	9	80.17	9		9	
1/4	2,435.48	1/4	2,092.19	1/4	1,748.90	1/4	1,405.61	1/4	1,062.32	1/4	719.32	1/4	378.47	1/4	74.38	1/4		1/4	
1/2	2,428.33	1/2	2,085.04	1/2	1,741.75	1/2	1,398.46	1/2	1,055.17	1/2	712.17	1/2	371.65	1/2	68.59	1/2		1/2	
3/4	2,421.18	3/4	2,077.89	3/4	1,734.60	3/4	1,391.31	3/4	1,048.01	3/4	705.02	3/4	364.83	3/4	62.80	3/4		3/4	
10	2,414.03	10	2,070.74	10	1,727.44	10	1,384.15	10	1,040.86	10	697.87	10	358.02	10	57.01	10		10	
1/4	2,406.87	1/4	2,063.58	1/4	1,720.29	1/4	1,377.00	1/4	1,033.72	1/4	690.72	1/4	351.28	1/4	51.74	1/4		1/4	
1/2	2,399.72	1/2	2,056.43	1/2	1,713.14	1/2	1,369.85	1/2	1,026.57	1/2	683.56	1/2	344.55	1/2	46.48	1/2		1/2	
3/4	2,392.57	3/4	2,049.28	3/4	1,705.99	3/4	1,362.70	3/4	1,019.42	3/4	676.41	3/4	337.82	3/4	41.21	3/4		3/4	
11	2,385.42	11	2,042.13	11	1,698.84	11	1,355.55	11	1,012.27	11	669.26	11	331.08	11	35.95	11		11	
1/4	2,378.27	1/4	2,034.98	1/4	1,691.68	1/4	1,348.39	1/4	1,005.13	1/4	662.11	1/4	324.43	1/4	32.09	1/4		1/4	
1/2	2,371.12	1/2	2,027.82	1/2	1,684.53	1/2	1,341.24	1/2	997.99	1/2	654.96	1/2	317.78	1/2	28.23	1/2		1/2	
3/4	2,363.96	3/4	2,020.67	3/4	1,677.38	3/4	1,334.09	3/4	990.85	3/4	647.81	3/4	311.13	3/4	24.38	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

2 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	5,089.10	0	4,803.73	0	4,462.07	0	4,119.55	0	3,776.32	0	3,433.10	0	3,089.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,087.10	1/4	4,796.62	1/4	4,454.95	1/4	4,112.40	1/4	3,769.17	1/4	3,425.94	1/4	3,082.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,085.09	1/2	4,789.50	1/2	4,447.83	1/2	4,105.25	1/2	3,762.02	1/2	3,418.79	1/2	3,075.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,083.08	3/4	4,782.38	3/4	4,440.72	3/4	4,098.10	3/4	3,754.87	3/4	3,411.64	3/4	3,068.41
1		1		1		1	5,081.08	1	4,775.26	1	4,433.60	1	4,090.95	1	3,747.72	1	3,404.49	1	3,061.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,077.88	1/4	4,768.14	1/4	4,426.48	1/4	4,083.80	1/4	3,740.57	1/4	3,397.34	1/4	3,054.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,074.68	1/2	4,761.03	1/2	4,419.36	1/2	4,076.65	1/2	3,733.42	1/2	3,390.19	1/2	3,046.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,071.48	3/4	4,753.91	3/4	4,412.24	3/4	4,069.50	3/4	3,726.27	3/4	3,383.04	3/4	3,039.82
2		2		2		2	5,068.28	2	4,746.79	2	4,405.13	2	4,062.35	2	3,719.12	2	3,375.89	2	3,032.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,063.89	1/4	4,739.67	1/4	4,398.01	1/4	4,055.20	1/4	3,711.97	1/4	3,368.74	1/4	3,025.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,059.50	1/2	4,732.55	1/2	4,390.89	1/2	4,048.05	1/2	3,704.82	1/2	3,361.59	1/2	3,018.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,055.11	3/4	4,725.44	3/4	4,383.77	3/4	4,040.90	3/4	3,697.67	3/4	3,354.44	3/4	3,011.22
3		3		3		3	5,050.72	3	4,718.32	3	4,376.65	3	4,033.75	3	3,690.52	3	3,347.29	3	3,004.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,045.14	1/4	4,711.20	1/4	4,369.54	1/4	4,026.60	1/4	3,683.37	1/4	3,340.14	1/4	2,996.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,039.55	1/2	4,704.08	1/2	4,362.42	1/2	4,019.44	1/2	3,676.22	1/2	3,332.99	1/2	2,989.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,033.97	3/4	4,696.96	3/4	4,355.30	3/4	4,012.29	3/4	3,669.07	3/4	3,325.84	3/4	2,982.61
4		4		4		4	5,028.39	4	4,689.85	4	4,348.18	4	4,005.14	4	3,661.91	4	3,318.69	4	2,975.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,021.80	1/4	4,682.73	1/4	4,341.06	1/4	3,997.99	1/4	3,654.76	1/4	3,311.54	1/4	2,968.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,015.20	1/2	4,675.61	1/2	4,333.95	1/2	3,990.84	1/2	3,647.61	1/2	3,304.38	1/2	2,961.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,008.61	3/4	4,668.49	3/4	4,326.83	3/4	3,983.69	3/4	3,640.46	3/4	3,297.23	3/4	2,954.00
5		5		5		5	5,002.02	5	4,661.37	5	4,319.71	5	3,976.54	5	3,633.31	5	3,290.08	5	2,946.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,994.99	1/4	4,654.26	1/4	4,312.57	1/4	3,969.39	1/4	3,626.16	1/4	3,282.93	1/4	2,939.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,987.96	1/2	4,647.14	1/2	4,305.44	1/2	3,962.24	1/2	3,619.01	1/2	3,275.78	1/2	2,932.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,980.93	3/4	4,640.02	3/4	4,298.30	3/4	3,955.09	3/4	3,611.86	3/4	3,268.63	3/4	2,925.39
6		6		6		6	4,973.90	6	4,632.90	6	4,291.17	6	3,947.94	6	3,604.71	6	3,261.48	6	2,918.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,966.83	1/4	4,625.78	1/4	4,284.02	1/4	3,940.79	1/4	3,597.56	1/4	3,254.33	1/4	2,911.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,959.77	1/2	4,618.67	1/2	4,276.87	1/2	3,933.64	1/2	3,590.41	1/2	3,247.18	1/2	2,903.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,952.70	3/4	4,611.55	3/4	4,269.72	3/4	3,926.49	3/4	3,583.26	3/4	3,240.03	3/4	2,896.78
7		7		7		7	4,945.64	7	4,604.43	7	4,262.57	7	3,919.34	7	3,576.11	7	3,232.88	7	2,889.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,938.57	1/4	4,597.31	1/4	4,255.41	1/4	3,912.19	1/4	3,568.96	1/4	3,225.73	1/4	2,882.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,931.49	1/2	4,590.19	1/2	4,248.26	1/2	3,905.04	1/2	3,561.81	1/2	3,218.58	1/2	2,875.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,924.42	3/4	4,583.08	3/4	4,241.11	3/4	3,897.88	3/4	3,554.66	3/4	3,211.43	3/4	2,868.17
8		8		8		8	4,917.35	8	4,575.96	8	4,233.96	8	3,890.73	8	3,547.51	8	3,204.28	8	2,861.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,910.28	1/4	4,568.84	1/4	4,226.81	1/4	3,883.58	1/4	3,540.35	1/4	3,197.13	1/4	2,853.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,903.20	1/2	4,561.72	1/2	4,219.66	1/2	3,876.43	1/2	3,533.20	1/2	3,189.98	1/2	2,846.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,896.13	3/4	4,554.60	3/4	4,212.51	3/4	3,869.28	3/4	3,526.05	3/4	3,182.82	3/4	2,839.55
9		9		9		9	4,889.06	9	4,547.49	9	4,205.36	9	3,862.13	9	3,518.90	9	3,175.67	9	2,832.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,881.96	1/4	4,540.37	1/4	4,198.21	1/4	3,854.98	1/4	3,511.75	1/4	3,168.52	1/4	2,825.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,874.87	1/2	4,533.25	1/2	4,191.06	1/2	3,847.83	1/2	3,504.60	1/2	3,161.37	1/2	2,818.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,867.77	3/4	4,526.13	3/4	4,183.91	3/4	3,840.68	3/4	3,497.45	3/4	3,154.22	3/4	2,810.94
10		10		10		10	4,860.68	10	4,519.01	10	4,176.76	10	3,833.53	10	3,490.30	10	3,147.07	10	2,803.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,853.56	1/4	4,511.90	1/4	4,169.61	1/4	3,826.38	1/4	3,483.15	1/4	3,139.92	1/4	2,796.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,846.44	1/2	4,504.78	1/2	4,162.46	1/2	3,819.23	1/2	3,476.00	1/2	3,132.77	1/2	2,789.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,839.32	3/4	4,497.66	3/4	4,155.31	3/4	3,812.08	3/4	3,468.85	3/4	3,125.62	3/4	2,782.33
11		11		11		11	5,092.82	11	4,832.21	11	4,490.54	11	4,148.16	11	3,804.93	11	3,118.47	11	2,775.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,091.89	1/4	4,825.09	1/4	4,483.42	1/4	4,141.00	1/4	3,797.78	1/4	3,111.32	1/4	2,768.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,090.96	1/2	4,817.97	1/2	4,476.31	1/2	4,133.85	1/2	3,790.63	1/2	3,104.17	1/2	2,760.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,090.03	3/4	4,810.85	3/4	4,469.19	3/4	4,126.70	3/4	3,783.47	3/4	3,097.02	3/4	2,753.72

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 3304"

2 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	2,746.57	0	2,403.24	0	2,059.91	0	1,716.58	0	1,373.25	0	1,034.10	0	701.10	0	357.79	0	23.61	0	
1/4	2,739.42	1/4	2,396.09	1/4	2,052.76	1/4	1,709.43	1/4	1,366.10	1/4	1,027.25	1/4	693.95	1/4	350.64	1/4	20.04	1/4	
1/2	2,732.26	1/2	2,388.93	1/2	2,045.60	1/2	1,702.28	1/2	1,358.95	1/2	1,020.41	1/2	686.80	1/2	343.48	1/2	16.46	1/2	
3/4	2,725.11	3/4	2,381.78	3/4	2,038.45	3/4	1,695.12	3/4	1,351.79	3/4	1,013.56	3/4	679.65	3/4	336.33	3/4	12.88	3/4	
1	2,717.96	1	2,374.63	1	2,031.30	1	1,687.97	1	1,344.64	1	1,006.72	1	672.49	1	329.18	1	9.31	1	
1/4	2,710.81	1/4	2,367.48	1/4	2,024.15	1/4	1,680.82	1/4	1,337.49	1/4	999.87	1/4	665.34	1/4	322.03	1/4	7.52	1/4	
1/2	2,703.65	1/2	2,360.32	1/2	2,016.99	1/2	1,673.66	1/2	1,330.33	1/2	993.03	1/2	658.19	1/2	314.87	1/2	5.73	1/2	
3/4	2,696.50	3/4	2,353.17	3/4	2,009.84	3/4	1,666.51	3/4	1,323.18	3/4	986.18	3/4	651.04	3/4	307.72	3/4	3.94	3/4	
2	2,689.35	2	2,346.02	2	2,002.69	2	1,659.36	2	1,316.03	2	979.34	2	643.88	2	300.57	2	2.15	2	
1/4	2,682.20	1/4	2,338.87	1/4	1,995.54	1/4	1,652.21	1/4	1,308.88	1/4	972.49	1/4	636.73	1/4	293.42	1/4		1/4	
1/2	2,675.04	1/2	2,331.71	1/2	1,988.38	1/2	1,645.05	1/2	1,301.72	1/2	965.65	1/2	629.58	1/2	286.26	1/2		1/2	
3/4	2,667.89	3/4	2,324.56	3/4	1,981.23	3/4	1,637.90	3/4	1,294.57	3/4	958.80	3/4	622.43	3/4	279.11	3/4		3/4	
3	2,660.74	3	2,317.41	3	1,974.08	3	1,630.75	3	1,287.42	3	951.96	3	615.27	3	271.96	3		3	
1/4	2,653.58	1/4	2,310.25	1/4	1,966.93	1/4	1,623.60	1/4	1,280.27	1/4	945.11	1/4	608.12	1/4	264.81	1/4		1/4	
1/2	2,646.43	1/2	2,303.10	1/2	1,959.77	1/2	1,616.44	1/2	1,273.11	1/2	938.27	1/2	600.97	1/2	257.65	1/2		1/2	
3/4	2,639.28	3/4	2,295.95	3/4	1,952.62	3/4	1,609.29	3/4	1,265.96	3/4	931.42	3/4	593.82	3/4	250.50	3/4		3/4	
4	2,632.13	4	2,288.80	4	1,945.47	4	1,602.14	4	1,258.81	4	924.58	4	586.66	4	243.35	4		4	
1/4	2,624.97	1/4	2,281.64	1/4	1,938.31	1/4	1,594.98	1/4	1,251.66	1/4	917.73	1/4	579.51	1/4	236.20	1/4		1/4	
1/2	2,617.82	1/2	2,274.49	1/2	1,931.16	1/2	1,587.83	1/2	1,244.50	1/2	910.89	1/2	572.36	1/2	229.04	1/2		1/2	
3/4	2,610.67	3/4	2,267.34	3/4	1,924.01	3/4	1,580.68	3/4	1,237.35	3/4	904.04	3/4	565.21	3/4	221.89	3/4		3/4	
5	2,603.52	5	2,260.19	5	1,916.86	5	1,573.53	5	1,230.20	5	897.20	5	558.06	5	214.74	5		5	
1/4	2,596.36	1/4	2,253.03	1/4	1,909.70	1/4	1,566.37	1/4	1,223.04	1/4	890.35	1/4	550.90	1/4	207.59	1/4		1/4	
1/2	2,589.21	1/2	2,245.88	1/2	1,902.55	1/2	1,559.22	1/2	1,215.89	1/2	883.51	1/2	543.75	1/2	200.44	1/2		1/2	
3/4	2,582.06	3/4	2,238.73	3/4	1,895.40	3/4	1,552.07	3/4	1,208.74	3/4	876.66	3/4	536.60	3/4	193.28	3/4		3/4	
6	2,574.90	6	2,231.58	6	1,888.25	6	1,544.92	6	1,201.59	6	869.82	6	529.45	6	186.13	6		6	
1/4	2,567.75	1/4	2,224.42	1/4	1,881.09	1/4	1,537.76	1/4	1,194.43	1/4	862.97	1/4	522.29	1/4	178.98	1/4		1/4	
1/2	2,560.60	1/2	2,217.27	1/2	1,873.94	1/2	1,530.61	1/2	1,187.28	1/2	856.12	1/2	515.14	1/2	171.83	1/2		1/2	
3/4	2,553.45	3/4	2,210.12	3/4	1,866.79	3/4	1,523.46	3/4	1,180.13	3/4	849.27	3/4	507.99	3/4	164.67	3/4		3/4	
7	2,546.29	7	2,202.96	7	1,859.63	7	1,516.31	7	1,172.98	7	842.42	7	500.84	7	157.52	7		7	
1/4	2,539.14	1/4	2,195.81	1/4	1,852.48	1/4	1,509.15	1/4	1,165.82	1/4	835.56	1/4	493.68	1/4	150.37	1/4		1/4	
1/2	2,531.99	1/2	2,188.66	1/2	1,845.33	1/2	1,502.00	1/2	1,158.67	1/2	828.70	1/2	486.53	1/2	143.22	1/2		1/2	
3/4	2,524.84	3/4	2,181.51	3/4	1,838.18	3/4	1,494.85	3/4	1,151.52	3/4	821.84	3/4	479.38	3/4	136.07	3/4		3/4	
8	2,517.68	8	2,174.35	8	1,831.02	8	1,487.69	8	1,144.36	8	814.98	8	472.23	8	128.91	8		8	
1/4	2,510.53	1/4	2,167.20	1/4	1,823.87	1/4	1,480.54	1/4	1,137.35	1/4	807.97	1/4	465.07	1/4	121.77	1/4		1/4	
1/2	2,503.38	1/2	2,160.05	1/2	1,816.72	1/2	1,473.39	1/2	1,130.34	1/2	800.95	1/2	457.92	1/2	114.62	1/2		1/2	
3/4	2,496.23	3/4	2,152.90	3/4	1,809.57	3/4	1,466.24	3/4	1,123.33	3/4	793.94	3/4	450.77	3/4	107.47	3/4		3/4	
9	2,489.07	9	2,145.74	9	1,802.41	9	1,459.08	9	1,116.32	9	786.93	9	443.62	9	100.33	9		9	
1/4	2,481.92	1/4	2,138.59	1/4	1,795.26	1/4	1,451.93	1/4	1,109.46	1/4	779.78	1/4	436.46	1/4	93.20	1/4		1/4	
1/2	2,474.77	1/2	2,131.44	1/2	1,788.11	1/2	1,444.78	1/2	1,102.60	1/2	772.63	1/2	429.31	1/2	86.07	1/2		1/2	
3/4	2,467.61	3/4	2,124.28	3/4	1,780.96	3/4	1,437.63	3/4	1,095.73	3/4	765.47	3/4	422.16	3/4	78.94	3/4		3/4	
10	2,460.46	10	2,117.13	10	1,773.80	10	1,430.47	10	1,088.87	10	758.32	10	415.01	10	71.81	10		10	
1/4	2,453.31	1/4	2,109.98	1/4	1,766.65	1/4	1,423.32	1/4	1,082.02	1/4	751.17	1/4	407.85	1/4	65.13	1/4		1/4	
1/2	2,446.16	1/2	2,102.83	1/2	1,759.50	1/2	1,416.17	1/2	1,075.17	1/2	744.02	1/2	400.70	1/2	58.44	1/2		1/2	
3/4	2,439.00	3/4	2,095.67	3/4	1,752.34	3/4	1,409.01	3/4	1,068.33	3/4	736.87	3/4	393.55	3/4	51.75	3/4		3/4	
11	2,431.85	11	2,088.52	11	1,745.19	11	1,401.86	11	1,061.48	11	729.71	11	386.40	11	45.07	11		11	
1/4	2,424.70	1/4	2,081.37	1/4	1,738.04	1/4	1,394.71	1/4	1,054.63	1/4	722.56	1/4	379.25	1/4	39.70	1/4		1/4	
1/2	2,417.55	1/2	2,074.22	1/2	1,730.89	1/2	1,387.56	1/2	1,047.79	1/2	715.41	1/2	372.09	1/2	34.34	1/2		1/2	
3/4	2,410.39	3/4	2,067.06	3/4	1,723.73	3/4	1,380.40	3/4	1,040.94	3/4	708.26	3/4	364.94	3/4	28.98	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

2 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-01 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		0	5,113.20	0	4,816.72	0	4,474.04	0	4,130.45	0	3,786.20	0	3,442.03	0	3,097.87
1/4		1/4		1/4		1/4	5,111.19	1/4	4,809.58	1/4	4,466.90	1/4	4,123.28	1/4	3,779.03	1/4	3,434.86	1/4	3,090.70
1/2		1/2		1/2		1/2	5,109.18	1/2	4,802.44	1/2	4,459.76	1/2	4,116.11	1/2	3,771.86	1/2	3,427.69	1/2	3,083.53
3/4		3/4		3/4		3/4	5,105.97	3/4	4,795.30	3/4	4,452.62	3/4	4,108.93	3/4	3,764.68	3/4	3,420.52	3/4	3,076.36
1		1		1		1	5,102.76	1	4,788.16	1	4,445.48	1	4,101.76	1	3,757.51	1	3,413.35	1	3,069.20
1/4		1/4		1/4		1/4	5,099.55	1/4	4,781.02	1/4	4,438.35	1/4	4,094.59	1/4	3,750.34	1/4	3,406.18	1/4	3,062.03
1/2		1/2		1/2		1/2	5,096.34	1/2	4,773.88	1/2	4,431.21	1/2	4,087.42	1/2	3,743.17	1/2	3,399.01	1/2	3,054.86
3/4		3/4		3/4		3/4	5,091.93	3/4	4,766.74	3/4	4,424.07	3/4	4,080.25	3/4	3,736.00	3/4	3,391.84	3/4	3,047.69
2		2		2		2	5,087.53	2	4,759.61	2	4,416.93	2	4,073.08	2	3,728.82	2	3,384.67	2	3,040.52
1/4		1/4		1/4		1/4	5,083.12	1/4	4,752.47	1/4	4,409.79	1/4	4,065.90	1/4	3,721.65	1/4	3,377.50	1/4	3,033.34
1/2		1/2		1/2		1/2	5,078.72	1/2	4,745.33	1/2	4,402.65	1/2	4,058.73	1/2	3,714.48	1/2	3,370.33	1/2	3,026.17
3/4		3/4		3/4		3/4	5,073.12	3/4	4,738.19	3/4	4,395.51	3/4	4,051.56	3/4	3,707.31	3/4	3,363.16	3/4	3,019.00
3		3		3		3	5,067.52	3	4,731.05	3	4,388.37	3	4,044.39	3	3,700.14	3	3,355.99	3	3,011.83
1/4		1/4		1/4		1/4	5,061.92	1/4	4,723.91	1/4	4,381.23	1/4	4,037.22	1/4	3,692.97	1/4	3,348.82	1/4	3,004.66
1/2		1/2		1/2		1/2	5,056.32	1/2	4,716.77	1/2	4,374.09	1/2	4,030.04	1/2	3,685.80	1/2	3,341.65	1/2	2,997.49
3/4		3/4		3/4		3/4	5,049.71	3/4	4,709.63	3/4	4,366.95	3/4	4,022.87	3/4	3,678.63	3/4	3,334.48	3/4	2,990.31
4		4		4		4	5,043.10	4	4,702.49	4	4,359.82	4	4,015.70	4	3,671.46	4	3,327.31	4	2,983.14
1/4		1/4		1/4		1/4	5,036.49	1/4	4,695.35	1/4	4,352.68	1/4	4,008.53	1/4	3,664.29	1/4	3,320.14	1/4	2,975.97
1/2		1/2		1/2		1/2	5,029.88	1/2	4,688.21	1/2	4,345.54	1/2	4,001.36	1/2	3,657.12	1/2	3,312.97	1/2	2,968.80
3/4		3/4		3/4		3/4	5,022.82	3/4	4,681.08	3/4	4,338.38	3/4	3,994.18	3/4	3,649.95	3/4	3,305.80	3/4	2,961.63
5		5		5		5	5,015.77	5	4,673.94	5	4,331.23	5	3,987.01	5	3,642.78	5	3,298.63	5	2,954.45
1/4		1/4		1/4		1/4	5,008.72	1/4	4,666.80	1/4	4,324.07	1/4	3,979.84	1/4	3,635.61	1/4	3,291.46	1/4	2,947.28
1/2		1/2		1/2		1/2	5,001.67	1/2	4,659.66	1/2	4,316.92	1/2	3,972.67	1/2	3,628.44	1/2	3,284.29	1/2	2,940.11
3/4		3/4		3/4		3/4	4,994.58	3/4	4,652.52	3/4	4,309.75	3/4	3,965.50	3/4	3,621.27	3/4	3,277.12	3/4	2,932.94
6		6		6		6	4,987.49	6	4,645.38	6	4,302.58	6	3,958.32	6	3,614.10	6	3,269.95	6	2,925.77
1/4		1/4		1/4		1/4	4,980.41	1/4	4,638.24	1/4	4,295.40	1/4	3,951.15	1/4	3,606.93	1/4	3,262.78	1/4	2,918.59
1/2		1/2		1/2		1/2	4,973.32	1/2	4,631.10	1/2	4,288.23	1/2	3,943.98	1/2	3,599.76	1/2	3,255.61	1/2	2,911.42
3/4		3/4		3/4		3/4	4,966.23	3/4	4,623.96	3/4	4,281.06	3/4	3,936.81	3/4	3,592.59	3/4	3,248.44	3/4	2,904.25
7		7		7		7	4,959.14	7	4,616.82	7	4,273.89	7	3,929.64	7	3,585.42	7	3,241.27	7	2,897.08
1/4		1/4		1/4		1/4	4,952.04	1/4	4,609.68	1/4	4,266.72	1/4	3,922.47	1/4	3,578.25	1/4	3,234.10	1/4	2,889.91
1/2		1/2		1/2		1/2	4,944.95	1/2	4,602.55	1/2	4,259.54	1/2	3,915.29	1/2	3,571.08	1/2	3,226.93	1/2	2,882.73
3/4		3/4		3/4		3/4	4,937.86	3/4	4,595.41	3/4	4,252.37	3/4	3,908.12	3/4	3,563.91	3/4	3,219.76	3/4	2,875.56
8		8		8		8	4,930.76	8	4,588.27	8	4,245.20	8	3,900.95	8	3,556.74	8	3,212.59	8	2,868.39
1/4		1/4		1/4		1/4	4,923.67	1/4	4,581.13	1/4	4,238.03	1/4	3,893.78	1/4	3,549.57	1/4	3,205.42	1/4	2,861.22
1/2		1/2		1/2		1/2	4,916.57	1/2	4,573.99	1/2	4,230.86	1/2	3,886.61	1/2	3,542.40	1/2	3,198.25	1/2	2,854.05
3/4		3/4		3/4		3/4	4,909.46	3/4	4,566.85	3/4	4,223.69	3/4	3,879.43	3/4	3,535.23	3/4	3,191.08	3/4	2,846.88
9		9		9		9	4,902.34	9	4,559.71	9	4,216.51	9	3,872.26	9	3,528.06	9	3,183.91	9	2,839.70
1/4		1/4		1/4		1/4	4,895.23	1/4	4,552.57	1/4	4,209.34	1/4	3,865.09	1/4	3,520.89	1/4	3,176.74	1/4	2,832.53
1/2		1/2		1/2		1/2	4,888.11	1/2	4,545.43	1/2	4,202.17	1/2	3,857.92	1/2	3,513.72	1/2	3,169.57	1/2	2,825.36
3/4		3/4		3/4		3/4	4,880.97	3/4	4,538.29	3/4	4,195.00	3/4	3,850.75	3/4	3,506.55	3/4	3,162.40	3/4	2,818.19
10		10		10		10	4,873.83	10	4,531.15	10	4,187.83	10	3,843.57	10	3,499.38	10	3,155.23	10	2,811.02
1/4		1/4		1/4		1/4	4,866.69	1/4	4,524.02	1/4	4,180.65	1/4	3,836.40	1/4	3,492.21	1/4	3,148.06	1/4	2,803.84
1/2		1/2		1/2	5,120.96	1/2	4,859.55	1/2	4,516.88	1/2	4,173.48	1/2	3,829.23	1/2	3,485.04	1/2	3,140.89	1/2	2,796.67
3/4		3/4		3/4	5,120.03	3/4	4,852.41	3/4	4,509.74	3/4	4,166.31	3/4	3,822.06	3/4	3,477.87	3/4	3,133.72	3/4	2,789.50
11		11		11	5,119.10	11	4,845.27	11	4,502.60	11	4,159.14	11	3,814.89	11	3,470.70	11	3,126.55	11	2,782.33
1/4		1/4		1/4	5,118.16	1/4	4,838.14	1/4	4,495.46	1/4	4,151.97	1/4	3,807.72	1/4	3,463.54	1/4	3,119.38	1/4	2,775.16
1/2		1/2		1/2	5,117.23	1/2	4,831.00	1/2	4,488.32	1/2	4,144.79	1/2	3,800.54	1/2	3,456.37	1/2	3,112.21	1/2	2,767.98
3/4		3/4		3/4	5,115.22	3/4	4,823.86	3/4	4,481.18	3/4	4,137.62	3/4	3,793.37	3/4	3,449.20	3/4	3,105.04	3/4	2,760.81

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 3304"

2 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-01 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	2,753.64	0	2,409.39	0	2,065.14	0	1,720.89	0	1,376.64	0	1,032.52	0	688.64	0	344.40	0	16.50	0	
1/4	2,746.47	1/4	2,402.22	1/4	2,057.97	1/4	1,713.72	1/4	1,369.46	1/4	1,025.36	1/4	681.47	1/4	337.23	1/4	12.92	1/4	
1/2	2,739.30	1/2	2,395.05	1/2	2,050.79	1/2	1,706.54	1/2	1,362.29	1/2	1,018.20	1/2	674.30	1/2	330.06	1/2	9.33	1/2	
3/4	2,732.12	3/4	2,387.87	3/4	2,043.62	3/4	1,699.37	3/4	1,355.12	3/4	1,011.05	3/4	667.12	3/4	322.89	3/4	7.54	3/4	
1	2,724.95	1	2,380.70	1	2,036.45	1	1,692.20	1	1,347.95	1	1,003.89	1	659.95	1	315.72	1	5.74	1	
1/4	2,717.78	1/4	2,373.53	1/4	2,029.28	1/4	1,685.03	1/4	1,340.78	1/4	996.73	1/4	652.78	1/4	308.54	1/4	3.95	1/4	
1/2	2,710.61	1/2	2,366.36	1/2	2,022.11	1/2	1,677.86	1/2	1,333.60	1/2	989.57	1/2	645.61	1/2	301.37	1/2	2.16	1/2	
3/4	2,703.44	3/4	2,359.19	3/4	2,014.93	3/4	1,670.68	3/4	1,326.43	3/4	982.42	3/4	638.44	3/4	294.20	3/4		3/4	
2	2,696.27	2	2,352.01	2	2,007.76	2	1,663.51	2	1,319.26	2	975.26	2	631.27	2	287.03	2		2	
1/4	2,689.09	1/4	2,344.84	1/4	2,000.59	1/4	1,656.34	1/4	1,312.09	1/4	968.10	1/4	624.10	1/4	279.86	1/4		1/4	
1/2	2,681.92	1/2	2,337.67	1/2	1,993.42	1/2	1,649.17	1/2	1,304.92	1/2	960.94	1/2	616.92	1/2	272.69	1/2		1/2	
3/4	2,674.75	3/4	2,330.50	3/4	1,986.25	3/4	1,642.00	3/4	1,297.74	3/4	953.79	3/4	609.75	3/4	265.52	3/4		3/4	
3	2,667.58	3	2,323.33	3	1,979.08	3	1,634.82	3	1,290.57	3	946.63	3	602.58	3	258.34	3		3	
1/4	2,660.41	1/4	2,316.15	1/4	1,971.90	1/4	1,627.65	1/4	1,283.40	1/4	939.47	1/4	595.41	1/4	251.17	1/4		1/4	
1/2	2,653.23	1/2	2,308.98	1/2	1,964.73	1/2	1,620.48	1/2	1,276.23	1/2	932.31	1/2	588.24	1/2	244.00	1/2		1/2	
3/4	2,646.06	3/4	2,301.81	3/4	1,957.56	3/4	1,613.31	3/4	1,269.06	3/4	925.15	3/4	581.07	3/4	236.83	3/4		3/4	
4	2,638.89	4	2,294.64	4	1,950.39	4	1,606.14	4	1,261.89	4	918.00	4	573.89	4	229.66	4		4	
1/4	2,631.72	1/4	2,287.47	1/4	1,943.22	1/4	1,598.96	1/4	1,254.71	1/4	910.84	1/4	566.72	1/4	222.49	1/4		1/4	
1/2	2,624.55	1/2	2,280.30	1/2	1,936.04	1/2	1,591.79	1/2	1,247.54	1/2	903.68	1/2	559.55	1/2	215.31	1/2		1/2	
3/4	2,617.37	3/4	2,273.12	3/4	1,928.87	3/4	1,584.62	3/4	1,240.37	3/4	896.52	3/4	552.38	3/4	208.14	3/4		3/4	
5	2,610.20	5	2,265.95	5	1,921.70	5	1,577.45	5	1,233.20	5	889.37	5	545.21	5	200.97	5		5	
1/4	2,603.03	1/4	2,258.78	1/4	1,914.53	1/4	1,570.28	1/4	1,226.03	1/4	882.21	1/4	538.04	1/4	193.80	1/4		1/4	
1/2	2,595.86	1/2	2,251.61	1/2	1,907.36	1/2	1,563.11	1/2	1,218.85	1/2	875.05	1/2	530.86	1/2	186.63	1/2		1/2	
3/4	2,588.69	3/4	2,244.44	3/4	1,900.18	3/4	1,555.93	3/4	1,211.68	3/4	867.89	3/4	523.69	3/4	179.46	3/4		3/4	
6	2,581.51	6	2,237.26	6	1,893.01	6	1,548.76	6	1,204.51	6	860.73	6	516.52	6	172.28	6		6	
1/4	2,574.34	1/4	2,230.09	1/4	1,885.84	1/4	1,541.59	1/4	1,197.34	1/4	853.57	1/4	509.35	1/4	165.11	1/4		1/4	
1/2	2,567.17	1/2	2,222.92	1/2	1,878.67	1/2	1,534.42	1/2	1,190.17	1/2	846.41	1/2	502.18	1/2	157.94	1/2		1/2	
3/4	2,560.00	3/4	2,215.75	3/4	1,871.50	3/4	1,527.25	3/4	1,182.99	3/4	839.24	3/4	495.01	3/4	150.77	3/4		3/4	
7	2,552.83	7	2,208.58	7	1,864.33	7	1,520.07	7	1,175.82	7	832.07	7	487.83	7	143.60	7		7	
1/4	2,545.66	1/4	2,201.40	1/4	1,857.15	1/4	1,512.90	1/4	1,168.65	1/4	824.90	1/4	480.66	1/4	136.43	1/4		1/4	
1/2	2,538.48	1/2	2,194.23	1/2	1,849.98	1/2	1,505.73	1/2	1,161.48	1/2	817.73	1/2	473.49	1/2	129.26	1/2		1/2	
3/4	2,531.31	3/4	2,187.06	3/4	1,842.81	3/4	1,498.56	3/4	1,154.31	3/4	810.56	3/4	466.32	3/4	122.09	3/4		3/4	
8	2,524.14	8	2,179.89	8	1,835.64	8	1,491.39	8	1,147.14	8	803.39	8	459.15	8	114.93	8		8	
1/4	2,516.97	1/4	2,172.72	1/4	1,828.47	1/4	1,484.21	1/4	1,139.96	1/4	796.21	1/4	451.98	1/4	107.76	1/4		1/4	
1/2	2,509.80	1/2	2,165.54	1/2	1,821.29	1/2	1,477.04	1/2	1,132.79	1/2	789.04	1/2	444.81	1/2	100.59	1/2		1/2	
3/4	2,502.62	3/4	2,158.37	3/4	1,814.12	3/4	1,469.87	3/4	1,125.62	3/4	781.87	3/4	437.63	3/4	93.45	3/4		3/4	
9	2,495.45	9	2,151.20	9	1,806.95	9	1,462.70	9	1,118.45	9	774.70	9	430.46	9	86.30	9		9	
1/4	2,488.28	1/4	2,144.03	1/4	1,799.78	1/4	1,455.53	1/4	1,111.28	1/4	767.53	1/4	423.29	1/4	79.15	1/4		1/4	
1/2	2,481.11	1/2	2,136.86	1/2	1,792.61	1/2	1,448.35	1/2	1,104.12	1/2	760.36	1/2	416.12	1/2	72.00	1/2		1/2	
3/4	2,473.94	3/4	2,129.69	3/4	1,785.43	3/4	1,441.18	3/4	1,096.95	3/4	753.18	3/4	408.95	3/4	65.30	3/4		3/4	
10	2,466.76	10	2,122.51	10	1,778.26	10	1,434.01	10	1,089.79	10	746.01	10	401.78	10	58.59	10		10	
1/4	2,459.59	1/4	2,115.34	1/4	1,771.09	1/4	1,426.84	1/4	1,082.63	1/4	738.84	1/4	394.60	1/4	51.89	1/4		1/4	
1/2	2,452.42	1/2	2,108.17	1/2	1,763.92	1/2	1,419.67	1/2	1,075.47	1/2	731.67	1/2	387.43	1/2	45.18	1/2		1/2	
3/4	2,445.25	3/4	2,101.00	3/4	1,756.75	3/4	1,412.50	3/4	1,068.31	3/4	724.50	3/4	380.26	3/4	39.81	3/4		3/4	
11	2,438.08	11	2,093.83	11	1,749.57	11	1,405.32	11	1,061.15	11	717.33	11	373.09	11	34.43	11		11	
1/4	2,430.91	1/4	2,086.65	1/4	1,742.40	1/4	1,398.15	1/4	1,053.99	1/4	710.15	1/4	365.92	1/4	29.05	1/4		1/4	
1/2	2,423.73	1/2	2,079.48	1/2	1,735.23	1/2	1,390.98	1/2	1,046.84	1/2	702.98	1/2	358.75	1/2	23.67	1/2		1/2	
3/4	2,416.56	3/4	2,072.31	3/4	1,728.06	3/4	1,383.81	3/4	1,039.68	3/4	695.81	3/4	351.57	3/4	20.09	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019



BARGE "FMT 3304"

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	4,401.58	0	4,231.94	0	4,022.81	0	3,813.19	0	3,603.14	0	3,393.63	0	3,080.06		
1/4		1/4		1/4		1/4	4,399.87	1/4	4,227.58	1/4	4,018.45	1/4	3,808.81	1/4	3,598.76	1/4	3,389.28	1/4	3,072.94		
1/2		1/2		1/2		1/2	4,398.16	1/2	4,223.22	1/2	4,014.10	1/2	3,804.44	1/2	3,594.39	1/2	3,384.93	1/2	3,065.82		
3/4		3/4		3/4		3/4	4,396.45	3/4	4,218.87	3/4	4,009.74	3/4	3,800.06	3/4	3,590.01	3/4	3,380.58	3/4	3,058.70		
1		1		1		1	4,394.74	1	4,214.51	1	4,005.38	1	3,795.68	1	3,585.64	1	3,376.23	1	3,051.57		
1/4		1/4		1/4		1/4	4,393.03	1/4	4,210.15	1/4	4,001.03	1/4	3,791.31	1/4	3,581.26	1/4	3,371.88	1/4	3,044.44		
1/2		1/2		1/2		1/2	4,391.32	1/2	4,205.80	1/2	3,996.67	1/2	3,786.93	1/2	3,576.88	1/2	3,367.54	1/2	3,037.31		
3/4		3/4		3/4		3/4	4,389.61	3/4	4,201.44	3/4	3,992.31	3/4	3,782.56	3/4	3,572.51	3/4	3,363.20	3/4	3,030.18		
2		2		2		2	4,387.90	2	4,197.08	2	3,987.96	2	3,778.18	2	3,568.13	2	3,358.86	2	3,023.05		
1/4		1/4		1/4		1/4	4,385.92	1/4	4,192.73	1/4	3,983.60	1/4	3,773.80	1/4	3,563.76	1/4	3,353.13	1/4	3,015.92		
1/2		1/2		1/2		1/2	4,383.95	1/2	4,188.37	1/2	3,979.24	1/2	3,769.43	1/2	3,559.38	1/2	3,347.41	1/2	3,008.78		
3/4		3/4		3/4		3/4	4,381.97	3/4	4,184.01	3/4	3,974.89	3/4	3,765.05	3/4	3,555.00	3/4	3,341.69	3/4	3,001.64		
3		3		3		3	4,379.99	3	4,179.66	3	3,970.53	3	3,760.68	3	3,550.63	3	3,335.96	3	2,994.50		
1/4		1/4		1/4		1/4	4,377.15	1/4	4,175.30	1/4	3,966.17	1/4	3,756.30	1/4	3,546.26	1/4	3,328.86	1/4	2,987.36		
1/2		1/2		1/2		1/2	4,374.31	1/2	4,170.94	1/2	3,961.82	1/2	3,751.92	1/2	3,541.89	1/2	3,321.75	1/2	2,980.23		
3/4		3/4		3/4		3/4	4,371.46	3/4	4,166.58	3/4	3,957.46	3/4	3,747.55	3/4	3,537.52	3/4	3,314.64	3/4	2,973.09		
4		4		4		4	4,368.62	4	4,162.23	4	3,953.10	4	3,743.17	4	3,533.16	4	3,307.54	4	2,965.95		
1/4		1/4		1/4		1/4	4,364.77	1/4	4,157.87	1/4	3,948.74	1/4	3,738.80	1/4	3,528.80	1/4	3,300.43	1/4	2,958.81		
1/2		1/2		1/2		1/2	4,360.93	1/2	4,153.51	1/2	3,944.39	1/2	3,734.42	1/2	3,524.44	1/2	3,293.32	1/2	2,951.67		
3/4		3/4		3/4		3/4	4,357.08	3/4	4,149.16	3/4	3,940.03	3/4	3,730.04	3/4	3,520.08	3/4	3,286.22	3/4	2,944.53		
5		5		5		5	4,353.23	5	4,144.80	5	3,935.67	5	3,725.67	5	3,515.72	5	3,279.11	5	2,937.40		
1/4		1/4		1/4		1/4	4,348.94	1/4	4,140.44	1/4	3,931.31	1/4	3,721.29	1/4	3,511.36	1/4	3,272.00	1/4	2,930.26		
1/2		1/2		1/2		1/2	4,344.65	1/2	4,136.09	1/2	3,926.94	1/2	3,716.92	1/2	3,507.00	1/2	3,264.90	1/2	2,923.13		
3/4		3/4		3/4		3/4	4,340.36	3/4	4,131.73	3/4	3,922.58	3/4	3,712.54	3/4	3,502.64	3/4	3,257.79	3/4	2,916.00		
6		6		6		6	4,336.08	6	4,127.37	6	3,918.21	6	3,708.16	6	3,498.28	6	3,250.69	6	2,908.87		
1/4		1/4		1/4		1/4	4,331.76	1/4	4,123.02	1/4	3,913.84	1/4	3,703.79	1/4	3,493.92	1/4	3,243.58	1/4	2,901.74		
1/2		1/2		1/2		1/2	4,327.44	1/2	4,118.66	1/2	3,909.46	1/2	3,699.41	1/2	3,489.55	1/2	3,236.48	1/2	2,894.61		
3/4		3/4		3/4		3/4	4,323.12	3/4	4,114.30	3/4	3,905.08	3/4	3,695.04	3/4	3,485.19	3/4	3,229.37	3/4	2,887.49		
7		7		7		7	4,318.80	7	4,109.95	7	3,900.71	7	3,690.66	7	3,480.83	7	3,222.27	7	2,880.36		
1/4		1/4		1/4		1/4	4,314.47	1/4	4,105.59	1/4	3,896.33	1/4	3,686.28	1/4	3,476.47	1/4	3,215.16	1/4	2,873.23		
1/2		1/2		1/2		1/2	4,310.14	1/2	4,101.23	1/2	3,891.96	1/2	3,681.91	1/2	3,472.11	1/2	3,208.06	1/2	2,866.11		
3/4		3/4		3/4		3/4	4,305.81	3/4	4,096.88	3/4	3,887.58	3/4	3,677.53	3/4	3,467.75	3/4	3,200.95	3/4	2,858.98		
8		8		8		8	4,301.48	8	4,092.52	8	3,883.20	8	3,673.16	8	3,463.39	8	3,193.85	8	2,851.86		
1/4		1/4		1/4		1/4	4,297.16	1/4	4,088.16	1/4	3,878.83	1/4	3,668.78	1/4	3,459.03	1/4	3,188.74	1/4	2,844.73		
1/2		1/2		1/2		1/2	4,292.83	1/2	4,083.81	1/2	3,874.45	1/2	3,664.40	1/2	3,454.67	1/2	3,179.64	1/2	2,837.60		
3/4		3/4		3/4		3/4	4,288.50	3/4	4,079.45	3/4	3,870.08	3/4	3,660.03	3/4	3,450.31	3/4	3,172.53	3/4	2,830.48		
9		9		9		9	4,284.17	9	4,075.09	9	3,865.70	9	3,655.65	9	3,445.95	9	3,165.43	9	2,823.35		
1/4		1/4		1/4		1/4	4,279.82	1/4	4,070.74	1/4	3,861.32	1/4	3,651.28	1/4	3,441.59	1/4	3,158.32	1/4	2,816.22		
1/2		1/2		1/2		1/2	4,275.48	1/2	4,066.38	1/2	3,856.95	1/2	3,646.90	1/2	3,437.23	1/2	3,151.22	1/2	2,809.10		
3/4		3/4		3/4		3/4	4,271.14	3/4	4,062.02	3/4	3,852.57	3/4	3,642.52	3/4	3,432.87	3/4	3,144.11	3/4	2,801.97		
10		10		10		10	4,266.79	10	4,057.66	10	3,848.20	10	3,638.15	10	3,428.51	10	3,137.01	10	2,794.84		
1/4		1/4		1/4		1/4	4,262.43	1/4	4,053.31	1/4	3,843.82	1/4	3,633.77	1/4	3,424.15	1/4	3,129.89	1/4	2,787.72		
1/2		1/2		1/2		1/2	4,258.08	1/2	4,048.95	1/2	3,839.44	1/2	3,629.40	1/2	3,419.79	1/2	3,122.78	1/2	2,780.59		
3/4		3/4		3/4		3/4	4,253.72	3/4	4,044.59	3/4	3,835.07	3/4	3,625.02	3/4	3,415.43	3/4	3,115.67	3/4	2,773.46		
11		11		11		11	4,405.89	11	4,249.36	11	4,040.24	11	3,830.69	11	3,620.64	11	3,411.07	11	3,108.55	11	2,766.34
1/4		1/4		1/4		1/4	4,404.81	1/4	4,245.01	1/4	4,035.88	1/4	3,826.32	1/4	3,616.27	1/4	3,406.71	1/4	3,101.43	1/4	2,759.21
1/2		1/2		1/2		1/2	4,403.73	1/2	4,240.65	1/2	4,031.52	1/2	3,821.94	1/2	3,611.89	1/2	3,402.35	1/2	3,094.31	1/2	2,752.09
3/4		3/4		3/4		3/4	4,402.66	3/4	4,236.29	3/4	4,027.17	3/4	3,817.56	3/4	3,607.52	3/4	3,397.99	3/4	3,087.19	3/4	2,744.96

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 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 3304"

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	2,737.83	0	2,395.76	0	2,053.65	0	1,711.54	0	1,369.43	0	1,031.31	0	699.37	0	357.18	0	23.57	0	
1/4	2,730.71	1/4	2,388.63	1/4	2,046.52	1/4	1,704.41	1/4	1,362.30	1/4	1,024.49	1/4	692.24	1/4	350.04	1/4	20.00	1/4	
1/2	2,723.58	1/2	2,381.50	1/2	2,039.39	1/2	1,697.28	1/2	1,355.17	1/2	1,017.68	1/2	685.12	1/2	342.90	1/2	16.43	1/2	
3/4	2,716.45	3/4	2,374.38	3/4	2,032.27	3/4	1,690.16	3/4	1,348.05	3/4	1,010.86	3/4	677.99	3/4	335.76	3/4	12.86	3/4	
1	2,709.33	1	2,367.25	1	2,025.14	1	1,683.03	1	1,340.92	1	1,004.04	1	670.86	1	328.62	1	9.29	1	
1/4	2,702.20	1/4	2,360.12	1/4	2,018.01	1/4	1,675.90	1/4	1,333.79	1/4	997.22	1/4	663.73	1/4	321.47	1/4	7.51	1/4	
1/2	2,695.07	1/2	2,352.99	1/2	2,010.88	1/2	1,668.77	1/2	1,326.66	1/2	990.41	1/2	656.60	1/2	314.33	1/2	5.72	1/2	
3/4	2,687.95	3/4	2,345.87	3/4	2,003.76	3/4	1,661.65	3/4	1,319.54	3/4	983.59	3/4	649.47	3/4	307.19	3/4	3.94	3/4	
2	2,680.82	2	2,338.74	2	1,996.63	2	1,654.52	2	1,312.41	2	976.77	2	642.34	2	300.05	2	2.15	2	
1/4	2,673.70	1/4	2,331.61	1/4	1,989.50	1/4	1,647.39	1/4	1,305.28	1/4	969.95	1/4	635.22	1/4	292.91	1/4		1/4	
1/2	2,666.57	1/2	2,324.49	1/2	1,982.37	1/2	1,640.26	1/2	1,298.15	1/2	963.14	1/2	628.09	1/2	285.77	1/2		1/2	
3/4	2,659.44	3/4	2,317.36	3/4	1,975.25	3/4	1,633.14	3/4	1,291.03	3/4	956.32	3/4	620.96	3/4	278.63	3/4		3/4	
3	2,652.32	3	2,310.23	3	1,968.12	3	1,626.01	3	1,283.90	3	949.50	3	613.83	3	271.49	3		3	
1/4	2,645.19	1/4	2,303.10	1/4	1,960.99	1/4	1,618.88	1/4	1,276.77	1/4	942.68	1/4	606.70	1/4	264.35	1/4		1/4	
1/2	2,638.06	1/2	2,295.98	1/2	1,953.87	1/2	1,611.76	1/2	1,269.64	1/2	935.87	1/2	599.57	1/2	257.21	1/2		1/2	
3/4	2,630.94	3/4	2,288.85	3/4	1,946.74	3/4	1,604.63	3/4	1,262.52	3/4	929.05	3/4	592.44	3/4	250.07	3/4		3/4	
4	2,623.81	4	2,281.72	4	1,939.61	4	1,597.50	4	1,255.39	4	922.23	4	585.32	4	242.93	4		4	
1/4	2,616.68	1/4	2,274.59	1/4	1,932.48	1/4	1,590.37	1/4	1,248.26	1/4	915.41	1/4	578.19	1/4	235.79	1/4		1/4	
1/2	2,609.56	1/2	2,267.47	1/2	1,925.36	1/2	1,583.25	1/2	1,241.14	1/2	908.60	1/2	571.06	1/2	228.65	1/2		1/2	
3/4	2,602.43	3/4	2,260.34	3/4	1,918.23	3/4	1,576.12	3/4	1,234.01	3/4	901.78	3/4	563.93	3/4	221.51	3/4		3/4	
5	2,595.30	5	2,253.21	5	1,911.10	5	1,568.99	5	1,226.88	5	894.96	5	556.80	5	214.37	5		5	
1/4	2,588.18	1/4	2,246.09	1/4	1,903.97	1/4	1,561.86	1/4	1,219.75	1/4	888.15	1/4	549.67	1/4	207.23	1/4		1/4	
1/2	2,581.05	1/2	2,238.96	1/2	1,896.85	1/2	1,554.74	1/2	1,212.63	1/2	881.33	1/2	542.54	1/2	200.09	1/2		1/2	
3/4	2,573.93	3/4	2,231.83	3/4	1,889.72	3/4	1,547.61	3/4	1,205.50	3/4	874.51	3/4	535.41	3/4	192.95	3/4		3/4	
6	2,566.80	6	2,224.70	6	1,882.59	6	1,540.48	6	1,198.37	6	867.69	6	528.29	6	185.81	6		6	
1/4	2,559.67	1/4	2,217.58	1/4	1,875.47	1/4	1,533.36	1/4	1,191.24	1/4	860.87	1/4	521.16	1/4	178.67	1/4		1/4	
1/2	2,552.55	1/2	2,210.45	1/2	1,868.34	1/2	1,526.23	1/2	1,184.12	1/2	854.05	1/2	514.03	1/2	171.53	1/2		1/2	
3/4	2,545.42	3/4	2,203.32	3/4	1,861.21	3/4	1,519.10	3/4	1,176.99	3/4	847.23	3/4	506.90	3/4	164.39	3/4		3/4	
7	2,538.29	7	2,196.19	7	1,854.08	7	1,511.97	7	1,169.86	7	840.41	7	499.77	7	157.25	7		7	
1/4	2,531.17	1/4	2,189.07	1/4	1,846.96	1/4	1,504.85	1/4	1,162.74	1/4	833.55	1/4	492.64	1/4	150.11	1/4		1/4	
1/2	2,524.04	1/2	2,181.94	1/2	1,839.83	1/2	1,497.72	1/2	1,155.61	1/2	826.69	1/2	485.51	1/2	142.97	1/2		1/2	
3/4	2,516.91	3/4	2,174.81	3/4	1,832.70	3/4	1,490.59	3/4	1,148.48	3/4	819.83	3/4	478.39	3/4	135.83	3/4		3/4	
8	2,509.79	8	2,167.68	8	1,825.57	8	1,483.46	8	1,141.35	8	812.96	8	471.26	8	128.69	8		8	
1/4	2,502.66	1/4	2,160.56	1/4	1,818.45	1/4	1,476.34	1/4	1,134.34	1/4	805.95	1/4	464.13	1/4	121.56	1/4		1/4	
1/2	2,495.54	1/2	2,153.43	1/2	1,811.32	1/2	1,469.21	1/2	1,127.33	1/2	798.94	1/2	457.00	1/2	114.42	1/2		1/2	
3/4	2,488.41	3/4	2,146.30	3/4	1,804.19	3/4	1,462.08	3/4	1,120.32	3/4	791.93	3/4	449.87	3/4	107.29	3/4		3/4	
9	2,481.29	9	2,139.18	9	1,797.07	9	1,454.95	9	1,113.31	9	784.92	9	442.74	9	100.16	9		9	
1/4	2,474.16	1/4	2,132.05	1/4	1,789.94	1/4	1,447.83	1/4	1,106.45	1/4	777.79	1/4	435.61	1/4	93.04	1/4		1/4	
1/2	2,467.03	1/2	2,124.92	1/2	1,782.81	1/2	1,440.70	1/2	1,099.59	1/2	770.66	1/2	428.49	1/2	85.92	1/2		1/2	
3/4	2,459.90	3/4	2,117.79	3/4	1,775.68	3/4	1,433.57	3/4	1,092.73	3/4	763.53	3/4	421.36	3/4	78.80	3/4		3/4	
10	2,452.78	10	2,110.67	10	1,768.56	10	1,426.45	10	1,085.87	10	756.40	10	414.23	10	71.69	10		10	
1/4	2,445.65	1/4	2,103.54	1/4	1,761.43	1/4	1,419.32	1/4	1,079.04	1/4	749.27	1/4	407.10	1/4	65.01	1/4		1/4	
1/2	2,438.52	1/2	2,096.41	1/2	1,754.30	1/2	1,412.19	1/2	1,072.22	1/2	742.14	1/2	399.97	1/2	58.34	1/2		1/2	
3/4	2,431.39	3/4	2,089.28	3/4	1,747.17	3/4	1,405.06	3/4	1,065.40	3/4	735.02	3/4	392.84	3/4	51.66	3/4		3/4	
11	2,424.27	11	2,082.16	11	1,740.05	11	1,397.94	11	1,058.58	11	727.89	11	385.71	11	44.99	11		11	
1/4	2,417.14	1/4	2,075.03	1/4	1,732.92	1/4	1,390.81	1/4	1,051.76	1/4	720.76	1/4	378.58	1/4	39.63	1/4		1/4	
1/2	2,410.01	1/2	2,067.90	1/2	1,725.79	1/2	1,383.68	1/2	1,044.95	1/2	713.63	1/2	371.45	1/2	34.28	1/2		1/2	
3/4	2,402.89	3/4	2,060.78	3/4	1,718.66	3/4	1,376.55	3/4	1,038.13	3/4	706.50	3/4	364.31	3/4	28.92	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 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 3304"

3 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	4,407.93	0	4,238.63	0	4,029.93	0	3,820.74	0	3,611.12	0	3,401.51	0	3,088.79
1/4		1/4		1/4		1/4	4,406.22	1/4	4,234.28	1/4	4,025.58	1/4	3,816.37	1/4	3,606.76	1/4	3,397.16	1/4	3,081.68
1/2		1/2		1/2		1/2	4,404.52	1/2	4,229.93	1/2	4,021.23	1/2	3,812.01	1/2	3,602.39	1/2	3,392.81	1/2	3,074.58
3/4		3/4		3/4		3/4	4,402.81	3/4	4,225.59	3/4	4,016.89	3/4	3,807.64	3/4	3,598.02	3/4	3,388.46	3/4	3,067.48
1		1		1		1	4,401.10	1	4,221.24	1	4,012.54	1	3,803.27	1	3,593.66	1	3,384.11	1	3,060.38
1/4		1/4		1/4		1/4	4,399.40	1/4	4,216.89	1/4	4,008.19	1/4	3,798.91	1/4	3,589.29	1/4	3,379.78	1/4	3,053.27
1/2		1/2		1/2		1/2	4,397.69	1/2	4,212.54	1/2	4,003.84	1/2	3,794.54	1/2	3,584.92	1/2	3,375.45	1/2	3,046.17
3/4		3/4		3/4		3/4	4,395.99	3/4	4,208.19	3/4	3,999.49	3/4	3,790.17	3/4	3,580.56	3/4	3,371.12	3/4	3,039.07
2		2		2		2	4,394.28	2	4,203.85	2	3,995.15	2	3,785.80	2	3,576.19	2	3,366.79	2	3,031.97
1/4		1/4		1/4		1/4	4,392.31	1/4	4,199.50	1/4	3,990.80	1/4	3,781.44	1/4	3,571.82	1/4	3,361.08	1/4	3,024.86
1/2		1/2		1/2		1/2	4,390.33	1/2	4,195.15	1/2	3,986.45	1/2	3,777.07	1/2	3,567.45	1/2	3,355.37	1/2	3,017.76
3/4		3/4		3/4		3/4	4,388.36	3/4	4,190.80	3/4	3,982.10	3/4	3,772.70	3/4	3,563.09	3/4	3,349.66	3/4	3,010.66
3		3		3		3	4,386.38	3	4,186.45	3	3,977.76	3	3,768.34	3	3,558.72	3	3,343.95	3	3,003.56
1/4		1/4		1/4		1/4	4,383.54	1/4	4,182.11	1/4	3,973.41	1/4	3,763.97	1/4	3,554.35	1/4	3,338.87	1/4	2,996.46
1/2		1/2		1/2		1/2	4,380.71	1/2	4,177.76	1/2	3,969.06	1/2	3,759.60	1/2	3,549.99	1/2	3,329.78	1/2	2,989.35
3/4		3/4		3/4		3/4	4,377.87	3/4	4,173.41	3/4	3,964.71	3/4	3,755.24	3/4	3,545.62	3/4	3,322.70	3/4	2,982.25
4		4		4		4	4,375.03	4	4,169.06	4	3,960.36	4	3,750.87	4	3,541.25	4	3,315.61	4	2,975.15
1/4		1/4		1/4		1/4	4,371.19	1/4	4,164.71	1/4	3,956.02	1/4	3,746.50	1/4	3,536.89	1/4	3,308.53	1/4	2,968.05
1/2		1/2		1/2		1/2	4,367.35	1/2	4,160.37	1/2	3,951.67	1/2	3,742.13	1/2	3,532.52	1/2	3,301.44	1/2	2,960.94
3/4		3/4		3/4		3/4	4,363.51	3/4	4,156.02	3/4	3,947.32	3/4	3,737.77	3/4	3,528.15	3/4	3,294.36	3/4	2,953.84
5		5		5		5	4,359.67	5	4,151.67	5	3,942.97	5	3,733.40	5	3,523.78	5	3,287.27	5	2,946.74
1/4		1/4		1/4		1/4	4,355.39	1/4	4,147.32	1/4	3,938.62	1/4	3,729.03	1/4	3,519.42	1/4	3,280.19	1/4	2,939.64
1/2		1/2		1/2		1/2	4,351.11	1/2	4,142.98	1/2	3,934.26	1/2	3,724.67	1/2	3,515.05	1/2	3,273.10	1/2	2,932.53
3/4		3/4		3/4		3/4	4,346.83	3/4	4,138.63	3/4	3,929.90	3/4	3,720.30	3/4	3,510.68	3/4	3,266.02	3/4	2,925.43
6		6		6		6	4,342.55	6	4,134.28	6	3,925.55	6	3,715.93	6	3,506.32	6	3,258.93	6	2,918.33
1/4		1/4		1/4		1/4	4,338.24	1/4	4,129.93	1/4	3,921.18	1/4	3,711.57	1/4	3,501.95	1/4	3,251.85	1/4	2,911.23
1/2		1/2		1/2		1/2	4,333.93	1/2	4,125.58	1/2	3,916.81	1/2	3,707.20	1/2	3,497.58	1/2	3,244.76	1/2	2,904.12
3/4		3/4		3/4		3/4	4,329.62	3/4	4,121.24	3/4	3,912.45	3/4	3,702.83	3/4	3,493.22	3/4	3,237.68	3/4	2,897.02
7		7		7		7	4,325.31	7	4,116.89	7	3,908.08	7	3,698.46	7	3,488.85	7	3,230.59	7	2,889.92
1/4		1/4		1/4		1/4	4,320.99	1/4	4,112.54	1/4	3,903.71	1/4	3,694.10	1/4	3,484.48	1/4	3,223.51	1/4	2,882.82
1/2		1/2		1/2		1/2	4,316.67	1/2	4,108.19	1/2	3,899.35	1/2	3,689.73	1/2	3,480.11	1/2	3,216.42	1/2	2,875.71
3/4		3/4		3/4		3/4	4,312.35	3/4	4,103.84	3/4	3,894.98	3/4	3,685.36	3/4	3,475.75	3/4	3,209.34	3/4	2,868.61
8		8		8		8	4,308.03	8	4,099.50	8	3,890.61	8	3,681.00	8	3,471.38	8	3,202.25	8	2,861.51
1/4		1/4		1/4		1/4	4,303.71	1/4	4,095.15	1/4	3,886.25	1/4	3,676.63	1/4	3,467.01	1/4	3,195.17	1/4	2,854.41
1/2		1/2		1/2		1/2	4,299.39	1/2	4,090.80	1/2	3,881.88	1/2	3,672.26	1/2	3,462.65	1/2	3,188.08	1/2	2,847.30
3/4		3/4		3/4		3/4	4,295.07	3/4	4,086.45	3/4	3,877.51	3/4	3,667.90	3/4	3,458.28	3/4	3,181.00	3/4	2,840.20
9		9		9		9	4,290.75	9	4,082.10	9	3,873.14	9	3,663.53	9	3,453.91	9	3,173.91	9	2,833.10
1/4		1/4		1/4		1/4	4,286.42	1/4	4,077.76	1/4	3,868.78	1/4	3,659.16	1/4	3,449.55	1/4	3,168.83	1/4	2,826.00
1/2		1/2		1/2		1/2	4,282.08	1/2	4,073.41	1/2	3,864.41	1/2	3,654.79	1/2	3,445.18	1/2	3,159.74	1/2	2,818.90
3/4		3/4		3/4		3/4	4,277.75	3/4	4,069.06	3/4	3,860.04	3/4	3,650.43	3/4	3,440.81	3/4	3,152.66	3/4	2,811.79
10		10		10		10	4,273.41	10	4,064.71	10	3,855.68	10	3,646.06	10	3,436.44	10	3,145.57	10	2,804.69
1/4		1/4		1/4		1/4	4,269.06	1/4	4,060.37	1/4	3,851.31	1/4	3,641.69	1/4	3,432.08	1/4	3,138.48	1/4	2,797.59
1/2		1/2		1/2		1/2	4,264.72	1/2	4,056.02	1/2	3,846.94	1/2	3,637.33	1/2	3,427.71	1/2	3,131.38	1/2	2,790.49
3/4		3/4		3/4		3/4	4,260.37	3/4	4,051.67	3/4	3,842.58	3/4	3,632.96	3/4	3,423.34	3/4	3,124.29	3/4	2,783.38
11		11		11	4,412.23	11	4,256.02	11	4,047.32	11	3,838.21	11	3,628.59	11	3,418.98	11	3,117.20	11	2,776.28
1/4		1/4		1/4	4,411.15	1/4	4,251.67	1/4	4,042.97	1/4	3,833.84	1/4	3,624.23	1/4	3,414.61	1/4	3,110.09	1/4	2,769.18
1/2		1/2		1/2	4,410.08	1/2	4,247.33	1/2	4,038.63	1/2	3,829.47	1/2	3,619.86	1/2	3,410.24	1/2	3,102.99	1/2	2,762.08
3/4		3/4		3/4	4,409.00	3/4	4,242.98	3/4	4,034.28	3/4	3,825.11	3/4	3,615.49	3/4	3,405.88	3/4	3,095.89	3/4	2,754.97

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 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "FMT 3304"

3 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	2,747.87	0	2,406.38	0	2,064.60	0	1,722.82	0	1,381.03	0	1,039.35	0	697.97	0	356.19	0	23.51	0	
1/4	2,740.77	1/4	2,399.26	1/4	2,057.48	1/4	1,715.70	1/4	1,373.91	1/4	1,032.25	1/4	690.84	1/4	349.07	1/4	19.95	1/4	
1/2	2,733.67	1/2	2,392.14	1/2	2,050.36	1/2	1,708.57	1/2	1,366.79	1/2	1,025.14	1/2	683.72	1/2	341.95	1/2	16.39	1/2	
3/4	2,726.56	3/4	2,385.02	3/4	2,043.24	3/4	1,701.45	3/4	1,359.67	3/4	1,018.03	3/4	676.60	3/4	334.82	3/4	12.83	3/4	
1	2,719.46	1	2,377.90	1	2,036.12	1	1,694.33	1	1,352.55	1	1,010.93	1	669.48	1	327.70	1	9.27	1	
1/4	2,712.36	1/4	2,370.78	1/4	2,029.00	1/4	1,687.21	1/4	1,345.43	1/4	1,003.82	1/4	662.36	1/4	320.58	1/4	7.49	1/4	
1/2	2,705.26	1/2	2,363.66	1/2	2,021.88	1/2	1,680.09	1/2	1,338.31	1/2	996.72	1/2	655.24	1/2	313.46	1/2	5.71	1/2	
3/4	2,698.15	3/4	2,356.54	3/4	2,014.76	3/4	1,672.97	3/4	1,331.19	3/4	989.61	3/4	648.12	3/4	306.34	3/4	3.93	3/4	
2	2,691.05	2	2,349.42	2	2,007.64	2	1,665.85	2	1,324.07	2	982.50	2	641.00	2	299.22	2	2.15	2	
1/4	2,683.95	1/4	2,342.30	1/4	2,000.52	1/4	1,658.73	1/4	1,316.95	1/4	975.40	1/4	633.88	1/4	292.10	1/4		1/4	
1/2	2,676.85	1/2	2,335.18	1/2	1,993.39	1/2	1,651.61	1/2	1,309.83	1/2	968.29	1/2	626.76	1/2	284.98	1/2		1/2	
3/4	2,669.74	3/4	2,328.06	3/4	1,986.27	3/4	1,644.49	3/4	1,302.71	3/4	961.18	3/4	619.64	3/4	277.86	3/4		3/4	
3	2,662.64	3	2,320.94	3	1,979.15	3	1,637.37	3	1,295.59	3	954.08	3	612.52	3	270.74	3		3	
1/4	2,655.54	1/4	2,313.82	1/4	1,972.03	1/4	1,630.25	1/4	1,288.47	1/4	946.97	1/4	605.40	1/4	263.62	1/4		1/4	
1/2	2,648.44	1/2	2,306.70	1/2	1,964.91	1/2	1,623.13	1/2	1,281.34	1/2	939.86	1/2	598.28	1/2	256.50	1/2		1/2	
3/4	2,641.34	3/4	2,299.58	3/4	1,957.79	3/4	1,616.01	3/4	1,274.22	3/4	932.76	3/4	591.16	3/4	249.38	3/4		3/4	
4	2,634.23	4	2,292.46	4	1,950.67	4	1,608.89	4	1,267.10	4	925.65	4	584.04	4	242.26	4		4	
1/4	2,627.12	1/4	2,285.34	1/4	1,943.55	1/4	1,601.77	1/4	1,259.98	1/4	918.54	1/4	576.92	1/4	235.14	1/4		1/4	
1/2	2,620.01	1/2	2,278.21	1/2	1,936.43	1/2	1,594.65	1/2	1,252.86	1/2	911.44	1/2	569.80	1/2	228.02	1/2		1/2	
3/4	2,612.90	3/4	2,271.09	3/4	1,929.31	3/4	1,587.53	3/4	1,245.74	3/4	904.33	3/4	562.68	3/4	220.90	3/4		3/4	
5	2,605.79	5	2,263.97	5	1,922.19	5	1,580.41	5	1,238.62	5	897.22	5	555.56	5	213.78	5		5	
1/4	2,598.66	1/4	2,256.85	1/4	1,915.07	1/4	1,573.29	1/4	1,231.50	1/4	890.12	1/4	548.44	1/4	206.66	1/4		1/4	
1/2	2,591.54	1/2	2,249.73	1/2	1,907.95	1/2	1,566.16	1/2	1,224.38	1/2	883.01	1/2	541.32	1/2	199.54	1/2		1/2	
3/4	2,584.42	3/4	2,242.61	3/4	1,900.83	3/4	1,559.04	3/4	1,217.26	3/4	875.91	3/4	534.20	3/4	192.42	3/4		3/4	
6	2,577.30	6	2,235.49	6	1,893.71	6	1,551.92	6	1,210.14	6	868.80	6	527.08	6	185.30	6		6	
1/4	2,570.18	1/4	2,228.37	1/4	1,886.59	1/4	1,544.80	1/4	1,203.02	1/4	861.69	1/4	519.96	1/4	178.18	1/4		1/4	
1/2	2,563.06	1/2	2,221.25	1/2	1,879.47	1/2	1,537.68	1/2	1,195.90	1/2	854.58	1/2	512.83	1/2	171.06	1/2		1/2	
3/4	2,555.94	3/4	2,214.13	3/4	1,872.35	3/4	1,530.56	3/4	1,188.78	3/4	847.47	3/4	505.71	3/4	163.94	3/4		3/4	
7	2,548.81	7	2,207.01	7	1,865.23	7	1,523.44	7	1,181.66	7	840.36	7	498.59	7	156.81	7		7	
1/4	2,541.69	1/4	2,199.89	1/4	1,858.11	1/4	1,516.32	1/4	1,174.54	1/4	833.24	1/4	491.47	1/4	149.70	1/4		1/4	
1/2	2,534.57	1/2	2,192.77	1/2	1,850.98	1/2	1,509.20	1/2	1,167.42	1/2	826.12	1/2	484.35	1/2	142.58	1/2		1/2	
3/4	2,527.45	3/4	2,185.65	3/4	1,843.86	3/4	1,502.08	3/4	1,160.30	3/4	819.01	3/4	477.23	3/4	135.46	3/4		3/4	
8	2,520.33	8	2,178.53	8	1,836.74	8	1,494.96	8	1,153.18	8	811.89	8	470.11	8	128.34	8		8	
1/4	2,513.20	1/4	2,171.41	1/4	1,829.62	1/4	1,487.84	1/4	1,146.06	1/4	804.77	1/4	462.99	1/4	121.22	1/4		1/4	
1/2	2,506.08	1/2	2,164.29	1/2	1,822.50	1/2	1,480.72	1/2	1,138.93	1/2	797.65	1/2	455.87	1/2	114.11	1/2		1/2	
3/4	2,498.95	3/4	2,157.17	3/4	1,815.38	3/4	1,473.60	3/4	1,131.81	3/4	790.53	3/4	448.75	3/4	106.99	3/4		3/4	
9	2,491.83	9	2,150.05	9	1,808.26	9	1,466.48	9	1,124.69	9	783.41	9	441.63	9	99.88	9		9	
1/4	2,484.71	1/4	2,142.93	1/4	1,801.14	1/4	1,459.36	1/4	1,117.58	1/4	776.29	1/4	434.51	1/4	92.78	1/4		1/4	
1/2	2,477.59	1/2	2,135.80	1/2	1,794.02	1/2	1,452.24	1/2	1,110.46	1/2	769.17	1/2	427.39	1/2	85.68	1/2		1/2	
3/4	2,470.47	3/4	2,128.68	3/4	1,786.90	3/4	1,445.12	3/4	1,103.34	3/4	762.05	3/4	420.27	3/4	78.59	3/4		3/4	
10	2,463.35	10	2,121.56	10	1,779.78	10	1,438.00	10	1,096.22	10	754.93	10	413.15	10	71.49	10		10	
1/4	2,456.23	1/4	2,114.44	1/4	1,772.66	1/4	1,430.88	1/4	1,089.11	1/4	747.81	1/4	406.03	1/4	64.83	1/4		1/4	
1/2	2,449.11	1/2	2,107.32	1/2	1,765.54	1/2	1,423.75	1/2	1,082.00	1/2	740.69	1/2	398.91	1/2	58.18	1/2		1/2	
3/4	2,441.99	3/4	2,100.20	3/4	1,758.42	3/4	1,416.63	3/4	1,074.89	3/4	733.57	3/4	391.79	3/4	51.52	3/4		3/4	
11	2,434.87	11	2,093.08	11	1,751.30	11	1,409.51	11	1,067.78	11	726.45	11	384.67	11	44.86	11		11	
1/4	2,427.75	1/4	2,085.96	1/4	1,744.18	1/4	1,402.39	1/4	1,060.67	1/4	719.33	1/4	377.55	1/4	39.52	1/4		1/4	
1/2	2,420.62	1/2	2,078.84	1/2	1,737.06	1/2	1,395.27	1/2	1,053.57	1/2	712.21	1/2	370.43	1/2	34.19	1/2		1/2	
3/4	2,413.50	3/4	2,071.72	3/4	1,729.94	3/4	1,388.15	3/4	1,046.46	3/4	705.09	3/4	363.31	3/4	28.85	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2019 JS
CALCULATED: 08/09/2019 CL
PRINTED: 08/10/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019