



BARGE "FMT 3296"

FUEL TANK INNAGE TABLE

8" HATCH GAUGE HEIGHT 4'- 04"

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: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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 3296"

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	1,111	0	2,222	0	3,333	0	4,444	0	5,555	0		0		0		0	
1/4	23	1/4	1,134	1/4	2,245	1/4	3,356	1/4	4,467	1/4	5,578	1/4		1/4		1/4		1/4	
1/2	46	1/2	1,157	1/2	2,268	1/2	3,379	1/2	4,490	1/2	5,601	1/2		1/2		1/2		1/2	
3/4	69	3/4	1,180	3/4	2,291	3/4	3,402	3/4	4,513	3/4		3/4		3/4		3/4		3/4	
1	93	1	1,204	1	2,314	1	3,425	1	4,536	1		1		1		1		1	
1/4	116	1/4	1,227	1/4	2,338	1/4	3,449	1/4	4,559	1/4		1/4		1/4		1/4		1/4	
1/2	139	1/2	1,250	1/2	2,361	1/2	3,472	1/2	4,583	1/2		1/2		1/2		1/2		1/2	
3/4	162	3/4	1,273	3/4	2,384	3/4	3,495	3/4	4,606	3/4		3/4		3/4		3/4		3/4	
2	185	2	1,296	2	2,407	2	3,518	2	4,629	2		2		2		2		2	
1/4	208	1/4	1,319	1/4	2,430	1/4	3,541	1/4	4,652	1/4		1/4		1/4		1/4		1/4	
1/2	231	1/2	1,342	1/2	2,453	1/2	3,564	1/2	4,675	1/2		1/2		1/2		1/2		1/2	
3/4	255	3/4	1,366	3/4	2,476	3/4	3,587	3/4	4,698	3/4		3/4		3/4		3/4		3/4	
3	278	3	1,389	3	2,500	3	3,611	3	4,721	3		3		3		3		3	
1/4	301	1/4	1,412	1/4	2,523	1/4	3,634	1/4	4,745	1/4		1/4		1/4		1/4		1/4	
1/2	324	1/2	1,435	1/2	2,546	1/2	3,657	1/2	4,768	1/2		1/2		1/2		1/2		1/2	
3/4	347	3/4	1,458	3/4	2,569	3/4	3,680	3/4	4,791	3/4		3/4		3/4		3/4		3/4	
4	370	4	1,481	4	2,592	4	3,703	4	4,814	4		4		4		4		4	
1/4	393	1/4	1,504	1/4	2,615	1/4	3,726	1/4	4,837	1/4		1/4		1/4		1/4		1/4	
1/2	417	1/2	1,528	1/2	2,638	1/2	3,749	1/2	4,860	1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	1,551	3/4	2,662	3/4	3,773	3/4	4,883	3/4		3/4		3/4		3/4		3/4	
5	463	5	1,574	5	2,685	5	3,796	5	4,907	5		5		5		5		5	
1/4	486	1/4	1,597	1/4	2,708	1/4	3,819	1/4	4,930	1/4		1/4		1/4		1/4		1/4	
1/2	509	1/2	1,620	1/2	2,731	1/2	3,842	1/2	4,953	1/2		1/2		1/2		1/2		1/2	
3/4	532	3/4	1,643	3/4	2,754	3/4	3,865	3/4	4,976	3/4		3/4		3/4		3/4		3/4	
6	555	6	1,666	6	2,777	6	3,888	6	4,999	6		6		6		6		6	
1/4	579	1/4	1,690	1/4	2,800	1/4	3,911	1/4	5,022	1/4		1/4		1/4		1/4		1/4	
1/2	602	1/2	1,713	1/2	2,824	1/2	3,935	1/2	5,046	1/2		1/2		1/2		1/2		1/2	
3/4	625	3/4	1,736	3/4	2,847	3/4	3,958	3/4	5,069	3/4		3/4		3/4		3/4		3/4	
7	648	7	1,759	7	2,870	7	3,981	7	5,092	7		7		7		7		7	
1/4	671	1/4	1,782	1/4	2,893	1/4	4,004	1/4	5,115	1/4		1/4		1/4		1/4		1/4	
1/2	694	1/2	1,805	1/2	2,916	1/2	4,027	1/2	5,138	1/2		1/2		1/2		1/2		1/2	
3/4	717	3/4	1,828	3/4	2,939	3/4	4,050	3/4	5,161	3/4		3/4		3/4		3/4		3/4	
8	741	8	1,852	8	2,962	8	4,073	8	5,184	8		8		8		8		8	
1/4	764	1/4	1,875	1/4	2,986	1/4	4,097	1/4	5,208	1/4		1/4		1/4		1/4		1/4	
1/2	787	1/2	1,898	1/2	3,009	1/2	4,120	1/2	5,231	1/2		1/2		1/2		1/2		1/2	
3/4	810	3/4	1,921	3/4	3,032	3/4	4,143	3/4	5,254	3/4		3/4		3/4		3/4		3/4	
9	833	9	1,944	9	3,055	9	4,166	9	5,277	9		9		9		9		9	
1/4	856	1/4	1,967	1/4	3,078	1/4	4,189	1/4	5,300	1/4		1/4		1/4		1/4		1/4	
1/2	879	1/2	1,990	1/2	3,101	1/2	4,212	1/2	5,323	1/2		1/2		1/2		1/2		1/2	
3/4	903	3/4	2,014	3/4	3,125	3/4	4,235	3/4	5,346	3/4		3/4		3/4		3/4		3/4	
10	926	10	2,037	10	3,148	10	4,259	10	5,370	10		10		10		10		10	
1/4	949	1/4	2,060	1/4	3,171	1/4	4,282	1/4	5,393	1/4		1/4		1/4		1/4		1/4	
1/2	972	1/2	2,083	1/2	3,194	1/2	4,305	1/2	5,416	1/2		1/2		1/2		1/2		1/2	
3/4	995	3/4	2,106	3/4	3,217	3/4	4,328	3/4	5,439	3/4		3/4		3/4		3/4		3/4	
11	1,018	11	2,129	11	3,240	11	4,351	11	5,462	11		11		11		11		11	
1/4	1,042	1/4	2,152	1/4	3,263	1/4	4,374	1/4	5,485	1/4		1/4		1/4		1/4		1/4	
1/2	1,065	1/2	2,176	1/2	3,287	1/2	4,397	1/2	5,508	1/2		1/2		1/2		1/2		1/2	
3/4	1,088	3/4	2,199	3/4	3,310	3/4	4,421	3/4	5,532	3/4		3/4		3/4		3/4		3/4	

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 2" DIAMETER "HERMETIC" VALVE

STRAPPED: 07/15/2019 CL
 CALCULATED: 07/16/2019 CL
 PRINTED: 07/16/2019 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 07/219

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



BARGE "FMT 3296"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-06 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,111	0	2,222	0	3,333	0	4,444	0	5,555	0		0		0		0	
1/4	23	1/4	1,134	1/4	2,245	1/4	3,356	1/4	4,467	1/4	5,578	1/4		1/4		1/4		1/4	
1/2	46	1/2	1,157	1/2	2,268	1/2	3,379	1/2	4,490	1/2	5,601	1/2		1/2		1/2		1/2	
3/4	69	3/4	1,180	3/4	2,291	3/4	3,402	3/4	4,513	3/4		3/4		3/4		3/4		3/4	
1	93	1	1,204	1	2,314	1	3,425	1	4,536	1		1		1		1		1	
1/4	116	1/4	1,227	1/4	2,338	1/4	3,449	1/4	4,559	1/4		1/4		1/4		1/4		1/4	
1/2	139	1/2	1,250	1/2	2,361	1/2	3,472	1/2	4,583	1/2		1/2		1/2		1/2		1/2	
3/4	162	3/4	1,273	3/4	2,384	3/4	3,495	3/4	4,606	3/4		3/4		3/4		3/4		3/4	
2	185	2	1,296	2	2,407	2	3,518	2	4,629	2		2		2		2		2	
1/4	208	1/4	1,319	1/4	2,430	1/4	3,541	1/4	4,652	1/4		1/4		1/4		1/4		1/4	
1/2	231	1/2	1,342	1/2	2,453	1/2	3,564	1/2	4,675	1/2		1/2		1/2		1/2		1/2	
3/4	255	3/4	1,366	3/4	2,476	3/4	3,587	3/4	4,698	3/4		3/4		3/4		3/4		3/4	
3	278	3	1,389	3	2,500	3	3,611	3	4,721	3		3		3		3		3	
1/4	301	1/4	1,412	1/4	2,523	1/4	3,634	1/4	4,745	1/4		1/4		1/4		1/4		1/4	
1/2	324	1/2	1,435	1/2	2,546	1/2	3,657	1/2	4,768	1/2		1/2		1/2		1/2		1/2	
3/4	347	3/4	1,458	3/4	2,569	3/4	3,680	3/4	4,791	3/4		3/4		3/4		3/4		3/4	
4	370	4	1,481	4	2,592	4	3,703	4	4,814	4		4		4		4		4	
1/4	393	1/4	1,504	1/4	2,615	1/4	3,726	1/4	4,837	1/4		1/4		1/4		1/4		1/4	
1/2	417	1/2	1,528	1/2	2,638	1/2	3,749	1/2	4,860	1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	1,551	3/4	2,662	3/4	3,773	3/4	4,883	3/4		3/4		3/4		3/4		3/4	
5	463	5	1,574	5	2,685	5	3,796	5	4,907	5		5		5		5		5	
1/4	486	1/4	1,597	1/4	2,708	1/4	3,819	1/4	4,930	1/4		1/4		1/4		1/4		1/4	
1/2	509	1/2	1,620	1/2	2,731	1/2	3,842	1/2	4,953	1/2		1/2		1/2		1/2		1/2	
3/4	532	3/4	1,643	3/4	2,754	3/4	3,865	3/4	4,976	3/4		3/4		3/4		3/4		3/4	
6	555	6	1,666	6	2,777	6	3,888	6	4,999	6		6		6		6		6	
1/4	579	1/4	1,690	1/4	2,800	1/4	3,911	1/4	5,022	1/4		1/4		1/4		1/4		1/4	
1/2	602	1/2	1,713	1/2	2,824	1/2	3,935	1/2	5,046	1/2		1/2		1/2		1/2		1/2	
3/4	625	3/4	1,736	3/4	2,847	3/4	3,958	3/4	5,069	3/4		3/4		3/4		3/4		3/4	
7	648	7	1,759	7	2,870	7	3,981	7	5,092	7		7		7		7		7	
1/4	671	1/4	1,782	1/4	2,893	1/4	4,004	1/4	5,115	1/4		1/4		1/4		1/4		1/4	
1/2	694	1/2	1,805	1/2	2,916	1/2	4,027	1/2	5,138	1/2		1/2		1/2		1/2		1/2	
3/4	717	3/4	1,828	3/4	2,939	3/4	4,050	3/4	5,161	3/4		3/4		3/4		3/4		3/4	
8	741	8	1,852	8	2,962	8	4,073	8	5,184	8		8		8		8		8	
1/4	764	1/4	1,875	1/4	2,986	1/4	4,097	1/4	5,208	1/4		1/4		1/4		1/4		1/4	
1/2	787	1/2	1,898	1/2	3,009	1/2	4,120	1/2	5,231	1/2		1/2		1/2		1/2		1/2	
3/4	810	3/4	1,921	3/4	3,032	3/4	4,143	3/4	5,254	3/4		3/4		3/4		3/4		3/4	
9	833	9	1,944	9	3,055	9	4,166	9	5,277	9		9		9		9		9	
1/4	856	1/4	1,967	1/4	3,078	1/4	4,189	1/4	5,300	1/4		1/4		1/4		1/4		1/4	
1/2	879	1/2	1,990	1/2	3,101	1/2	4,212	1/2	5,323	1/2		1/2		1/2		1/2		1/2	
3/4	903	3/4	2,014	3/4	3,125	3/4	4,235	3/4	5,346	3/4		3/4		3/4		3/4		3/4	
10	926	10	2,037	10	3,148	10	4,259	10	5,370	10		10		10		10		10	
1/4	949	1/4	2,060	1/4	3,171	1/4	4,282	1/4	5,393	1/4		1/4		1/4		1/4		1/4	
1/2	972	1/2	2,083	1/2	3,194	1/2	4,305	1/2	5,416	1/2		1/2		1/2		1/2		1/2	
3/4	995	3/4	2,106	3/4	3,217	3/4	4,328	3/4	5,439	3/4		3/4		3/4		3/4		3/4	
11	1,018	11	2,129	11	3,240	11	4,351	11	5,462	11		11		11		11		11	
1/4	1,042	1/4	2,152	1/4	3,263	1/4	4,374	1/4	5,485	1/4		1/4		1/4		1/4		1/4	
1/2	1,065	1/2	2,176	1/2	3,287	1/2	4,397	1/2	5,508	1/2		1/2		1/2		1/2		1/2	
3/4	1,088	3/4	2,199	3/4	3,310	3/4	4,421	3/4	5,532	3/4		3/4		3/4		3/4		3/4	

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 2" DIAMETER "HERMETIC" VALVE

STRAPPED: 07/15/2019 CL
 CALCULATED: 07/16/2019 CL
 PRINTED: 07/16/2019 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 07/219

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



BARGE "FMT 3296"

INNAGE (HERMETIC)

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-03"

July 9, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>





BARGE "FMT 3296"

1 PORT 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	14.67	0	291.21	0	626.14	0	967.51	0	1,309.86	0	1,653.04	0	1,996.21	0	2,339.39	0	2,682.56	0	3,025.70
1/4	17.59	1/4	297.81	1/4	633.29	1/4	974.60	1/4	1,317.01	1/4	1,660.19	1/4	2,003.36	1/4	2,346.54	1/4	2,689.71	1/4	3,032.85
1/2	20.51	1/2	304.42	1/2	640.44	1/2	981.69	1/2	1,324.16	1/2	1,667.34	1/2	2,010.51	1/2	2,353.69	1/2	2,696.86	1/2	3,039.99
3/4	23.43	3/4	311.03	3/4	647.59	3/4	988.78	3/4	1,331.31	3/4	1,674.49	3/4	2,017.66	3/4	2,360.84	3/4	2,704.01	3/4	3,047.14
1	26.36	1	317.63	1	654.74	1	995.87	1	1,338.46	1	1,681.63	1	2,024.81	1	2,367.99	1	2,711.16	1	3,054.29
1/4	31.15	1/4	324.32	1/4	661.89	1/4	1,002.96	1/4	1,345.61	1/4	1,688.78	1/4	2,031.96	1/4	2,375.14	1/4	2,718.30	1/4	3,061.44
1/2	35.94	1/2	331.01	1/2	669.04	1/2	1,010.05	1/2	1,352.76	1/2	1,695.93	1/2	2,039.11	1/2	2,382.29	1/2	2,725.45	1/2	3,068.58
3/4	40.73	3/4	337.70	3/4	676.19	3/4	1,017.14	3/4	1,359.91	3/4	1,703.08	3/4	2,046.26	3/4	2,389.44	3/4	2,732.60	3/4	3,075.73
2	45.53	2	344.39	2	683.34	2	1,024.23	2	1,367.06	2	1,710.23	2	2,053.41	2	2,396.58	2	2,739.75	2	3,082.88
1/4	51.26	1/4	351.17	1/4	690.49	1/4	1,031.32	1/4	1,374.21	1/4	1,717.38	1/4	2,060.56	1/4	2,403.73	1/4	2,746.90	1/4	3,090.02
1/2	56.99	1/2	357.94	1/2	697.64	1/2	1,038.42	1/2	1,381.36	1/2	1,724.53	1/2	2,067.71	1/2	2,410.88	1/2	2,754.05	1/2	3,097.17
3/4	62.73	3/4	364.71	3/4	704.79	3/4	1,045.52	3/4	1,388.51	3/4	1,731.68	3/4	2,074.86	3/4	2,418.03	3/4	2,761.20	3/4	3,104.32
3	68.46	3	371.49	3	711.93	3	1,052.62	3	1,395.65	3	1,738.83	3	2,082.01	3	2,425.18	3	2,768.35	3	3,111.47
1/4	74.31	1/4	378.34	1/4	719.08	1/4	1,059.73	1/4	1,402.80	1/4	1,745.98	1/4	2,089.16	1/4	2,432.33	1/4	2,775.50	1/4	3,118.61
1/2	80.15	1/2	385.20	1/2	726.23	1/2	1,066.85	1/2	1,409.95	1/2	1,753.13	1/2	2,096.31	1/2	2,439.48	1/2	2,782.64	1/2	3,125.76
3/4	86.00	3/4	392.06	3/4	733.38	3/4	1,073.96	3/4	1,417.10	3/4	1,760.28	3/4	2,103.46	3/4	2,446.63	3/4	2,789.79	3/4	3,132.91
4	91.84	4	398.91	4	740.53	4	1,081.08	4	1,424.25	4	1,767.43	4	2,110.60	4	2,453.78	4	2,796.94	4	3,140.05
1/4	97.78	1/4	405.85	1/4	747.65	1/4	1,088.23	1/4	1,431.40	1/4	1,774.58	1/4	2,117.75	1/4	2,460.93	1/4	2,804.09	1/4	3,147.20
1/2	103.71	1/2	412.79	1/2	754.76	1/2	1,095.38	1/2	1,438.55	1/2	1,781.73	1/2	2,124.90	1/2	2,468.08	1/2	2,811.24	1/2	3,154.35
3/4	109.65	3/4	419.73	3/4	761.88	3/4	1,102.53	3/4	1,445.70	3/4	1,788.88	3/4	2,132.05	3/4	2,475.23	3/4	2,818.39	3/4	3,161.49
5	115.59	5	426.68	5	768.99	5	1,109.67	5	1,452.85	5	1,796.03	5	2,139.20	5	2,482.38	5	2,825.54	5	3,168.64
1/4	121.61	1/4	433.69	1/4	776.09	1/4	1,116.82	1/4	1,460.00	1/4	1,803.18	1/4	2,146.35	1/4	2,489.53	1/4	2,832.69	1/4	3,175.79
1/2	127.63	1/2	440.71	1/2	783.19	1/2	1,123.97	1/2	1,467.15	1/2	1,810.33	1/2	2,153.50	1/2	2,496.68	1/2	2,839.84	1/2	3,182.94
3/4	133.65	3/4	447.73	3/4	790.28	3/4	1,131.12	3/4	1,474.30	3/4	1,817.48	3/4	2,160.65	3/4	2,503.83	3/4	2,846.98	3/4	3,190.08
6	139.67	6	454.75	6	797.38	6	1,138.27	6	1,481.45	6	1,824.62	6	2,167.80	6	2,510.98	6	2,854.13	6	3,197.23
1/4	145.78	1/4	461.85	1/4	804.47	1/4	1,145.42	1/4	1,488.60	1/4	1,831.77	1/4	2,174.95	1/4	2,518.13	1/4	2,861.28	1/4	3,204.38
1/2	151.88	1/2	468.96	1/2	811.56	1/2	1,152.57	1/2	1,495.75	1/2	1,838.92	1/2	2,182.10	1/2	2,525.28	1/2	2,868.43	1/2	3,211.52
3/4	157.99	3/4	476.06	3/4	818.65	3/4	1,159.72	3/4	1,502.90	3/4	1,846.07	3/4	2,189.25	3/4	2,532.43	3/4	2,875.58	3/4	3,218.67
7	164.09	7	483.16	7	825.74	7	1,166.87	7	1,510.05	7	1,853.22	7	2,196.40	7	2,539.57	7	2,882.73	7	3,225.82
1/4	170.28	1/4	490.31	1/4	832.82	1/4	1,174.02	1/4	1,517.20	1/4	1,860.37	1/4	2,203.55	1/4	2,546.72	1/4	2,889.88	1/4	3,232.97
1/2	176.47	1/2	497.46	1/2	839.91	1/2	1,181.17	1/2	1,524.35	1/2	1,867.52	1/2	2,210.70	1/2	2,553.87	1/2	2,897.03	1/2	3,240.11
3/4	182.66	3/4	504.61	3/4	847.00	3/4	1,188.32	3/4	1,531.50	3/4	1,874.67	3/4	2,217.85	3/4	2,561.02	3/4	2,904.18	3/4	3,247.26
8	188.85	8	511.76	8	854.09	8	1,195.47	8	1,538.64	8	1,881.82	8	2,225.00	8	2,568.17	8	2,911.32	8	3,254.41
1/4	195.12	1/4	518.91	1/4	861.18	1/4	1,202.62	1/4	1,545.79	1/4	1,888.97	1/4	2,232.15	1/4	2,575.32	1/4	2,918.47	1/4	3,261.55
1/2	201.39	1/2	526.06	1/2	868.27	1/2	1,209.77	1/2	1,552.94	1/2	1,896.12	1/2	2,239.30	1/2	2,582.47	1/2	2,925.62	1/2	3,268.70
3/4	207.66	3/4	533.20	3/4	875.36	3/4	1,216.92	3/4	1,560.09	3/4	1,903.27	3/4	2,246.45	3/4	2,589.62	3/4	2,932.77	3/4	3,275.85
9	213.94	9	540.35	9	882.45	9	1,224.07	9	1,567.24	9	1,910.42	9	2,253.59	9	2,596.77	9	2,939.92	9	3,283.00
1/4	220.29	1/4	547.50	1/4	889.54	1/4	1,231.22	1/4	1,574.39	1/4	1,917.57	1/4	2,260.74	1/4	2,603.92	1/4	2,947.07	1/4	3,290.14
1/2	226.65	1/2	554.65	1/2	896.62	1/2	1,238.37	1/2	1,581.54	1/2	1,924.72	1/2	2,267.89	1/2	2,611.07	1/2	2,954.22	1/2	3,297.29
3/4	233.00	3/4	561.80	3/4	903.71	3/4	1,245.52	3/4	1,588.69	3/4	1,931.87	3/4	2,275.04	3/4	2,618.22	3/4	2,961.37	3/4	3,304.44
10	239.36	10	568.95	10	910.80	10	1,252.66	10	1,595.84	10	1,939.02	10	2,282.19	10	2,625.37	10	2,968.52	10	3,311.58
1/4	245.80	1/4	576.10	1/4	917.89	1/4	1,259.81	1/4	1,602.99	1/4	1,946.17	1/4	2,289.34	1/4	2,632.52	1/4	2,975.66	1/4	3,318.73
1/2	252.24	1/2	583.25	1/2	924.98	1/2	1,266.96	1/2	1,610.14	1/2	1,953.32	1/2	2,296.49	1/2	2,639.67	1/2	2,982.81	1/2	3,325.88
3/4	258.68	3/4	590.40	3/4	932.07	3/4	1,274.11	3/4	1,617.29	3/4	1,960.47	3/4	2,303.64	3/4	2,646.82	3/4	2,989.96	3/4	3,333.03
11	265.12	11	597.55	11	939.16	11	1,281.26	11	1,624.44	11	1,967.61	11	2,310.79	11	2,653.96	11	2,997.11	11	3,340.17
1/4	271.64	1/4	604.70	1/4	946.25	1/4	1,288.41	1/4	1,631.59	1/4	1,974.76	1/4	2,317.94	1/4	2,661.11	1/4	3,004.26	1/4	3,347.32
1/2	278.16	1/2	611.85	1/2	953.34	1/2	1,295.56	1/2	1,638.74	1/2	1,981.91	1/2	2,325.09	1/2	2,668.26	1/2	3,011.41	1/2	3,354.47
3/4	284.68	3/4	619.00	3/4	960.43	3/4	1,302.71	3/4	1,645.89	3/4	1,989.06	3/4	2,332.24	3/4	2,675.41	3/4	3,018.55	3/4	3,361.61

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO 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 3296"

**1 PORT
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	3,368.76	0	3,711.84	0	4,055.00	0	4,397.50	0	4,739.08	0		0		0		0		0	
1/4	3,375.91	1/4	3,718.99	1/4	4,062.15	1/4	4,404.61	1/4	4,746.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,383.05	1/2	3,726.14	1/2	4,069.29	1/2	4,411.73	1/2	4,753.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,390.20	3/4	3,733.29	3/4	4,076.44	3/4	4,418.85	3/4	4,760.43	3/4		3/4		3/4		3/4		3/4	
1	3,397.35	1	3,740.44	1	4,083.59	1	4,425.96	1	4,767.55	1		1		1		1		1	
1/4	3,404.50	1/4	3,747.59	1/4	4,090.74	1/4	4,433.08	1/4	4,774.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,411.64	1/2	3,754.74	1/2	4,097.89	1/2	4,440.19	1/2	4,781.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,418.79	3/4	3,761.89	3/4	4,105.04	3/4	4,447.31	3/4	4,788.90	3/4		3/4		3/4		3/4		3/4	
2	3,425.94	2	3,769.04	2	4,112.19	2	4,454.43	2	4,796.01	2		2		2		2		2	
1/4	3,433.08	1/4	3,776.19	1/4	4,119.34	1/4	4,461.54	1/4	4,803.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,440.23	1/2	3,783.33	1/2	4,126.49	1/2	4,468.66	1/2	4,810.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,447.38	3/4	3,790.48	3/4	4,133.64	3/4	4,475.78	3/4	4,817.36	3/4		3/4		3/4		3/4		3/4	
3	3,454.53	3	3,797.63	3	4,140.78	3	4,482.89	3	4,824.48	3		3		3		3		3	
1/4	3,461.67	1/4	3,804.78	1/4	4,147.93	1/4	4,490.01	1/4	4,831.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,468.82	1/2	3,811.93	1/2	4,155.08	1/2	4,497.13	1/2	4,838.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,475.97	3/4	3,819.08	3/4	4,162.23	3/4	4,504.24	3/4	4,845.69	3/4		3/4		3/4		3/4		3/4	
4	3,483.11	4	3,826.23	4	4,169.38	4	4,511.36	4	4,852.77	4		4		4		4		4	
1/4	3,490.26	1/4	3,833.38	1/4	4,176.53	1/4	4,518.48	1/4	4,859.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,497.41	1/2	3,840.53	1/2	4,183.68	1/2	4,525.59	1/2	4,866.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,504.56	3/4	3,847.68	3/4	4,190.83	3/4	4,532.71	3/4	4,873.98	3/4		3/4		3/4		3/4		3/4	
5	3,511.70	5	3,854.82	5	4,197.98	5	4,539.82	5	4,881.05	5		5		5		5		5	
1/4	3,518.85	1/4	3,861.97	1/4	4,205.13	1/4	4,546.94	1/4	4,888.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,526.00	1/2	3,869.12	1/2	4,212.27	1/2	4,554.06	1/2	4,895.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,533.14	3/4	3,876.27	3/4	4,219.42	3/4	4,561.17	3/4	4,902.27	3/4		3/4		3/4		3/4		3/4	
6	3,540.29	6	3,883.42	6	4,226.57	6	4,568.29	6	4,909.34	6		6		6		6		6	
1/4	3,547.44	1/4	3,890.57	1/4	4,233.72	1/4	4,575.41	1/4	4,916.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,554.59	1/2	3,897.72	1/2	4,240.87	1/2	4,582.52	1/2	4,923.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,561.73	3/4	3,904.87	3/4	4,248.02	3/4	4,589.64	3/4	4,930.51	3/4		3/4		3/4		3/4		3/4	
7	3,568.88	7	3,912.02	7	4,255.17	7	4,596.76	7	4,937.56	7		7		7		7		7	
1/4	3,576.03	1/4	3,919.17	1/4	4,262.28	1/4	4,603.87	1/4	4,944.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,583.17	1/2	3,926.31	1/2	4,269.40	1/2	4,610.99	1/2	4,951.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,590.32	3/4	3,933.46	3/4	4,276.52	3/4	4,618.10	3/4	4,958.57	3/4		3/4		3/4		3/4		3/4	
8	3,597.47	8	3,940.61	8	4,283.63	8	4,625.22	8	4,965.57	8		8		8		8		8	
1/4	3,604.61	1/4	3,947.76	1/4	4,290.75	1/4	4,632.34	1/4	4,971.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,611.76	1/2	3,954.91	1/2	4,297.87	1/2	4,639.45	1/2	4,977.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,618.91	3/4	3,962.06	3/4	4,304.98	3/4	4,646.57	3/4	4,984.11	3/4		3/4		3/4		3/4		3/4	
9	3,626.06	9	3,969.21	9	4,312.10	9	4,653.69	9	4,990.29	9		9		9		9		9	
1/4	3,633.21	1/4	3,976.36	1/4	4,319.22	1/4	4,660.80	1/4	4,995.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,640.35	1/2	3,983.51	1/2	4,326.33	1/2	4,667.92	1/2	5,000.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.50	3/4	3,990.66	3/4	4,333.45	3/4	4,675.04	3/4	5,005.24	3/4		3/4		3/4		3/4		3/4	
10	3,654.65	10	3,997.80	10	4,340.57	10	4,682.15	10	5,010.23	10		10		10		10		10	
1/4	3,661.80	1/4	4,004.95	1/4	4,347.68	1/4	4,689.27	1/4	5,014.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.95	1/2	4,012.10	1/2	4,354.80	1/2	4,696.39	1/2	5,017.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.10	3/4	4,019.25	3/4	4,361.91	3/4	4,703.50	3/4	5,021.61	3/4		3/4		3/4		3/4		3/4	
11	3,683.25	11	4,026.40	11	4,369.03	11	4,710.62	11	5,025.41	11		11		11		11		11	
1/4	3,690.40	1/4	4,033.55	1/4	4,376.15	1/4	4,717.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.55	1/2	4,040.70	1/2	4,383.26	1/2	4,724.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,704.70	3/4	4,047.85	3/4	4,390.38	3/4	4,731.97	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

1 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	14.65	0	290.97	0	625.71	0	968.44	0	1,311.31	0	1,654.25	0	1,997.20	0	2,340.15	0	2,683.09	0	3,026.00
1/4	17.57	1/4	297.57	1/4	632.86	1/4	975.57	1/4	1,318.45	1/4	1,661.40	1/4	2,004.34	1/4	2,347.29	1/4	2,690.23	1/4	3,033.14
1/2	20.49	1/2	304.17	1/2	640.00	1/2	982.71	1/2	1,325.60	1/2	1,668.54	1/2	2,011.49	1/2	2,354.44	1/2	2,697.37	1/2	3,040.28
3/4	23.41	3/4	310.77	3/4	647.15	3/4	989.84	3/4	1,332.74	3/4	1,675.69	3/4	2,018.63	3/4	2,361.58	3/4	2,704.52	3/4	3,047.42
1	26.33	1	317.38	1	654.29	1	996.98	1	1,339.89	1	1,682.83	1	2,025.78	1	2,368.72	1	2,711.66	1	3,054.57
1/4	31.12	1/4	324.06	1/4	661.44	1/4	1,004.12	1/4	1,347.03	1/4	1,689.98	1/4	2,032.92	1/4	2,375.87	1/4	2,718.81	1/4	3,061.71
1/2	35.91	1/2	330.75	1/2	668.58	1/2	1,011.25	1/2	1,354.18	1/2	1,697.12	1/2	2,040.07	1/2	2,383.01	1/2	2,725.95	1/2	3,068.85
3/4	40.70	3/4	337.43	3/4	675.73	3/4	1,018.39	3/4	1,361.32	3/4	1,704.27	3/4	2,047.21	3/4	2,390.16	3/4	2,733.10	3/4	3,075.99
2	45.48	2	344.11	2	682.87	2	1,025.52	2	1,368.47	2	1,711.41	2	2,054.36	2	2,397.30	2	2,740.24	2	3,083.13
1/4	51.21	1/4	350.88	1/4	690.01	1/4	1,032.67	1/4	1,375.61	1/4	1,718.56	1/4	2,061.50	1/4	2,404.45	1/4	2,747.38	1/4	3,090.28
1/2	56.94	1/2	357.65	1/2	697.16	1/2	1,039.81	1/2	1,382.76	1/2	1,725.70	1/2	2,068.65	1/2	2,411.59	1/2	2,754.53	1/2	3,097.42
3/4	62.67	3/4	364.42	3/4	704.30	3/4	1,046.96	3/4	1,389.90	3/4	1,732.85	3/4	2,075.79	3/4	2,418.74	3/4	2,761.67	3/4	3,104.56
3	68.40	3	371.19	3	711.45	3	1,054.10	3	1,397.05	3	1,739.99	3	2,082.94	3	2,425.88	3	2,768.82	3	3,111.70
1/4	74.24	1/4	378.04	1/4	718.59	1/4	1,061.24	1/4	1,404.19	1/4	1,747.14	1/4	2,090.08	1/4	2,433.03	1/4	2,775.96	1/4	3,118.85
1/2	80.08	1/2	384.89	1/2	725.74	1/2	1,068.39	1/2	1,411.33	1/2	1,754.28	1/2	2,097.23	1/2	2,440.17	1/2	2,783.10	1/2	3,125.99
3/4	85.92	3/4	391.75	3/4	732.88	3/4	1,075.53	3/4	1,418.48	3/4	1,761.42	3/4	2,104.37	3/4	2,447.32	3/4	2,790.25	3/4	3,133.13
4	91.76	4	398.60	4	740.03	4	1,082.68	4	1,425.62	4	1,768.57	4	2,111.52	4	2,454.46	4	2,797.39	4	3,140.27
1/4	97.69	1/4	405.53	1/4	747.17	1/4	1,089.82	1/4	1,432.77	1/4	1,775.71	1/4	2,118.66	1/4	2,461.61	1/4	2,804.54	1/4	3,147.42
1/2	103.62	1/2	412.47	1/2	754.31	1/2	1,096.97	1/2	1,439.91	1/2	1,782.86	1/2	2,125.80	1/2	2,468.75	1/2	2,811.68	1/2	3,154.56
3/4	109.55	3/4	419.40	3/4	761.46	3/4	1,104.11	3/4	1,447.06	3/4	1,790.00	3/4	2,132.95	3/4	2,475.89	3/4	2,818.82	3/4	3,161.70
5	115.49	5	426.34	5	768.60	5	1,111.26	5	1,454.20	5	1,797.15	5	2,140.09	5	2,483.04	5	2,825.97	5	3,168.84
1/4	121.50	1/4	433.36	1/4	775.75	1/4	1,118.40	1/4	1,461.35	1/4	1,804.29	1/4	2,147.24	1/4	2,490.18	1/4	2,833.11	1/4	3,175.98
1/2	127.52	1/2	440.38	1/2	782.89	1/2	1,125.55	1/2	1,468.49	1/2	1,811.44	1/2	2,154.38	1/2	2,497.33	1/2	2,840.26	1/2	3,183.13
3/4	133.54	3/4	447.40	3/4	790.04	3/4	1,132.69	3/4	1,475.64	3/4	1,818.58	3/4	2,161.53	3/4	2,504.47	3/4	2,847.40	3/4	3,190.27
6	139.55	6	454.42	6	797.18	6	1,139.84	6	1,482.78	6	1,825.73	6	2,168.67	6	2,511.62	6	2,854.54	6	3,197.41
1/4	145.65	1/4	461.52	1/4	804.32	1/4	1,146.98	1/4	1,489.93	1/4	1,832.87	1/4	2,175.82	1/4	2,518.76	1/4	2,861.69	1/4	3,204.55
1/2	151.75	1/2	468.62	1/2	811.45	1/2	1,154.13	1/2	1,497.07	1/2	1,840.02	1/2	2,182.96	1/2	2,525.91	1/2	2,868.83	1/2	3,211.70
3/4	157.85	3/4	475.72	3/4	818.59	3/4	1,161.27	3/4	1,504.22	3/4	1,847.16	3/4	2,190.11	3/4	2,533.05	3/4	2,875.98	3/4	3,218.84
7	163.95	7	482.83	7	825.72	7	1,168.41	7	1,511.36	7	1,854.31	7	2,197.25	7	2,540.20	7	2,883.12	7	3,225.98
1/4	170.14	1/4	489.97	1/4	832.86	1/4	1,175.56	1/4	1,518.51	1/4	1,861.45	1/4	2,204.40	1/4	2,547.34	1/4	2,890.27	1/4	3,233.12
1/2	176.32	1/2	497.12	1/2	839.99	1/2	1,182.70	1/2	1,525.65	1/2	1,868.60	1/2	2,211.54	1/2	2,554.49	1/2	2,897.41	1/2	3,240.26
3/4	182.50	3/4	504.26	3/4	847.13	3/4	1,189.85	3/4	1,532.79	3/4	1,875.74	3/4	2,218.69	3/4	2,561.63	3/4	2,904.55	3/4	3,247.41
8	188.69	8	511.40	8	854.26	8	1,196.99	8	1,539.94	8	1,882.88	8	2,225.83	8	2,568.78	8	2,911.70	8	3,254.55
1/4	194.96	1/4	518.55	1/4	861.40	1/4	1,204.14	1/4	1,547.08	1/4	1,890.03	1/4	2,232.98	1/4	2,575.92	1/4	2,918.84	1/4	3,261.69
1/2	201.22	1/2	525.69	1/2	868.54	1/2	1,211.28	1/2	1,554.23	1/2	1,897.17	1/2	2,240.12	1/2	2,583.07	1/2	2,925.99	1/2	3,268.83
3/4	207.49	3/4	532.84	3/4	875.67	3/4	1,218.43	3/4	1,561.37	3/4	1,904.32	3/4	2,247.26	3/4	2,590.21	3/4	2,933.13	3/4	3,275.98
9	213.76	9	539.98	9	882.81	9	1,225.57	9	1,568.52	9	1,911.46	9	2,254.41	9	2,597.35	9	2,940.27	9	3,283.12
1/4	220.11	1/4	547.13	1/4	889.94	1/4	1,232.72	1/4	1,575.66	1/4	1,918.61	1/4	2,261.55	1/4	2,604.50	1/4	2,947.42	1/4	3,290.26
1/2	226.46	1/2	554.27	1/2	897.08	1/2	1,239.86	1/2	1,582.81	1/2	1,925.75	1/2	2,268.70	1/2	2,611.64	1/2	2,954.56	1/2	3,297.40
3/4	232.81	3/4	561.42	3/4	904.21	3/4	1,247.01	3/4	1,589.95	3/4	1,932.90	3/4	2,275.84	3/4	2,618.79	3/4	2,961.71	3/4	3,304.55
10	239.16	10	568.56	10	911.35	10	1,254.15	10	1,597.10	10	1,940.04	10	2,282.99	10	2,625.93	10	2,968.85	10	3,311.69
1/4	245.60	1/4	575.70	1/4	918.49	1/4	1,261.30	1/4	1,604.24	1/4	1,947.19	1/4	2,290.13	1/4	2,633.08	1/4	2,975.99	1/4	3,318.83
1/2	252.03	1/2	582.85	1/2	925.62	1/2	1,268.44	1/2	1,611.39	1/2	1,954.33	1/2	2,297.28	1/2	2,640.22	1/2	2,983.14	1/2	3,325.97
3/4	258.46	3/4	589.99	3/4	932.76	3/4	1,275.59	3/4	1,618.53	3/4	1,961.48	3/4	2,304.42	3/4	2,647.37	3/4	2,990.28	3/4	3,333.11
11	264.90	11	597.14	11	939.89	11	1,282.73	11	1,625.68	11	1,968.62	11	2,311.57	11	2,654.51	11	2,997.43	11	3,340.26
1/4	271.42	1/4	604.28	1/4	947.03	1/4	1,289.87	1/4	1,632.82	1/4	1,975.77	1/4	2,318.71	1/4	2,661.65	1/4	3,004.57	1/4	3,347.40
1/2	277.93	1/2	611.43	1/2	954.17	1/2	1,297.02	1/2	1,639.97	1/2	1,982.91	1/2	2,325.86	1/2	2,668.80	1/2	3,011.71	1/2	3,354.54
3/4	284.45	3/4	618.57	3/4	961.30	3/4	1,304.16	3/4	1,647.11	3/4	1,990.06	3/4	2,333.00	3/4	2,675.94	3/4	3,018.85	3/4	3,361.68

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "FMT 3296"

**1 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	3,368.83	0	3,711.68	0	4,054.60	0	4,396.87	0	4,738.23	0		0		0		0		0	
1/4	3,375.97	1/4	3,718.82	1/4	4,061.75	1/4	4,403.98	1/4	4,745.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,383.11	1/2	3,725.97	1/2	4,068.89	1/2	4,411.09	1/2	4,752.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,390.25	3/4	3,733.11	3/4	4,076.03	3/4	4,418.21	3/4	4,759.56	3/4		3/4		3/4		3/4		3/4	
1	3,397.40	1	3,740.26	1	4,083.18	1	4,425.32	1	4,766.67	1		1		1		1		1	
1/4	3,404.54	1/4	3,747.40	1/4	4,090.32	1/4	4,432.43	1/4	4,773.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,411.68	1/2	3,754.54	1/2	4,097.47	1/2	4,439.54	1/2	4,780.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,418.82	3/4	3,761.69	3/4	4,104.61	3/4	4,446.65	3/4	4,788.01	3/4		3/4		3/4		3/4		3/4	
2	3,425.96	2	3,768.83	2	4,111.75	2	4,453.76	2	4,795.12	2		2		2		2		2	
1/4	3,433.11	1/4	3,775.98	1/4	4,118.90	1/4	4,460.88	1/4	4,802.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,440.25	1/2	3,783.12	1/2	4,126.04	1/2	4,467.99	1/2	4,809.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,447.39	3/4	3,790.27	3/4	4,133.19	3/4	4,475.10	3/4	4,816.46	3/4		3/4		3/4		3/4		3/4	
3	3,454.53	3	3,797.41	3	4,140.33	3	4,482.21	3	4,823.57	3		3		3		3		3	
1/4	3,461.68	1/4	3,804.55	1/4	4,147.48	1/4	4,489.32	1/4	4,830.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,468.82	1/2	3,811.70	1/2	4,154.62	1/2	4,496.43	1/2	4,837.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,475.96	3/4	3,818.84	3/4	4,161.76	3/4	4,503.54	3/4	4,844.77	3/4		3/4		3/4		3/4		3/4	
4	3,483.10	4	3,825.99	4	4,168.91	4	4,510.66	4	4,851.83	4		4		4		4		4	
1/4	3,490.25	1/4	3,833.13	1/4	4,176.05	1/4	4,517.77	1/4	4,858.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,497.39	1/2	3,840.28	1/2	4,183.20	1/2	4,524.88	1/2	4,865.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,504.53	3/4	3,847.42	3/4	4,190.34	3/4	4,531.99	3/4	4,873.03	3/4		3/4		3/4		3/4		3/4	
5	3,511.67	5	3,854.56	5	4,197.49	5	4,539.10	5	4,880.10	5		5		5		5		5	
1/4	3,518.81	1/4	3,861.71	1/4	4,204.63	1/4	4,546.21	1/4	4,887.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,525.96	1/2	3,868.85	1/2	4,211.77	1/2	4,553.33	1/2	4,894.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,533.10	3/4	3,876.00	3/4	4,218.92	3/4	4,560.44	3/4	4,901.30	3/4		3/4		3/4		3/4		3/4	
6	3,540.24	6	3,883.14	6	4,226.06	6	4,567.55	6	4,908.36	6		6		6		6		6	
1/4	3,547.38	1/4	3,890.28	1/4	4,233.21	1/4	4,574.66	1/4	4,915.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,554.53	1/2	3,897.43	1/2	4,240.35	1/2	4,581.77	1/2	4,922.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,561.67	3/4	3,904.57	3/4	4,247.49	3/4	4,588.88	3/4	4,929.52	3/4		3/4		3/4		3/4		3/4	
7	3,568.81	7	3,911.72	7	4,254.64	7	4,596.00	7	4,936.57	7		7		7		7		7	
1/4	3,575.95	1/4	3,918.86	1/4	4,261.75	1/4	4,603.11	1/4	4,943.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,583.10	1/2	3,926.01	1/2	4,268.86	1/2	4,610.22	1/2	4,950.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,590.24	3/4	3,933.15	3/4	4,275.97	3/4	4,617.33	3/4	4,957.56	3/4		3/4		3/4		3/4		3/4	
8	3,597.38	8	3,940.29	8	4,283.09	8	4,624.44	8	4,964.56	8		8		8		8		8	
1/4	3,604.52	1/4	3,947.44	1/4	4,290.20	1/4	4,631.55	1/4	4,970.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,611.66	1/2	3,954.58	1/2	4,297.31	1/2	4,638.67	1/2	4,976.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,618.81	3/4	3,961.73	3/4	4,304.42	3/4	4,645.78	3/4	4,983.08	3/4		3/4		3/4		3/4		3/4	
9	3,625.95	9	3,968.87	9	4,311.53	9	4,652.89	9	4,989.26	9		9		9		9		9	
1/4	3,633.09	1/4	3,976.02	1/4	4,318.64	1/4	4,660.00	1/4	4,994.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,640.24	1/2	3,983.16	1/2	4,325.75	1/2	4,667.11	1/2	4,999.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.38	3/4	3,990.30	3/4	4,332.87	3/4	4,674.22	3/4	5,004.20	3/4		3/4		3/4		3/4		3/4	
10	3,654.53	10	3,997.45	10	4,339.98	10	4,681.33	10	5,009.19	10		10		10		10		10	
1/4	3,661.67	1/4	4,004.59	1/4	4,347.09	1/4	4,688.45	1/4	5,012.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.81	1/2	4,011.74	1/2	4,354.20	1/2	4,695.56	1/2	5,016.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,675.96	3/4	4,018.88	3/4	4,361.31	3/4	4,702.67	3/4	5,020.56	3/4		3/4		3/4		3/4		3/4	
11	3,683.10	11	4,026.02	11	4,368.42	11	4,709.78	11	5,024.36	11		11		11		11		11	
1/4	3,690.25	1/4	4,033.17	1/4	4,375.54	1/4	4,716.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.39	1/2	4,040.31	1/2	4,382.65	1/2	4,724.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,704.54	3/4	4,047.46	3/4	4,389.76	3/4	4,731.12	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

2 PORT 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	14.68	0	343.83	0	687.49	0	1,021.44	0	1,360.32	0	1,703.99	0	2,047.67	0	2,391.34	0	2,735.02	0	3,078.68
1/4	19.16	1/4	350.99	1/4	694.65	1/4	1,028.29	1/4	1,367.48	1/4	1,711.15	1/4	2,054.83	1/4	2,398.50	1/4	2,742.18	1/4	3,085.84
1/2	23.63	1/2	358.15	1/2	701.81	1/2	1,035.14	1/2	1,374.64	1/2	1,718.31	1/2	2,061.99	1/2	2,405.66	1/2	2,749.34	1/2	3,093.00
3/4	28.11	3/4	365.31	3/4	708.97	3/4	1,041.99	3/4	1,381.80	3/4	1,725.47	3/4	2,069.15	3/4	2,412.82	3/4	2,756.50	3/4	3,100.16
1	32.58	1	372.47	1	716.13	1	1,048.84	1	1,388.96	1	1,732.63	1	2,076.31	1	2,419.98	1	2,763.66	1	3,107.32
1/4	38.85	1/4	379.63	1/4	723.29	1/4	1,055.69	1/4	1,396.12	1/4	1,739.79	1/4	2,083.47	1/4	2,427.14	1/4	2,770.82	1/4	3,114.47
1/2	45.11	1/2	386.79	1/2	730.45	1/2	1,062.55	1/2	1,403.28	1/2	1,746.95	1/2	2,090.63	1/2	2,434.30	1/2	2,777.98	1/2	3,121.63
3/4	51.37	3/4	393.95	3/4	737.61	3/4	1,069.40	3/4	1,410.44	3/4	1,754.11	3/4	2,097.79	3/4	2,441.46	3/4	2,785.14	3/4	3,128.79
2	57.64	2	401.10	2	744.77	2	1,076.25	2	1,417.60	2	1,761.27	2	2,104.95	2	2,448.62	2	2,792.30	2	3,135.95
1/4	64.76	1/4	408.26	1/4	751.93	1/4	1,083.11	1/4	1,424.76	1/4	1,768.43	1/4	2,112.11	1/4	2,455.78	1/4	2,799.46	1/4	3,143.10
1/2	71.88	1/2	415.42	1/2	759.08	1/2	1,089.97	1/2	1,431.92	1/2	1,775.59	1/2	2,119.27	1/2	2,462.94	1/2	2,806.62	1/2	3,150.26
3/4	79.01	3/4	422.58	3/4	766.24	3/4	1,096.83	3/4	1,439.08	3/4	1,782.75	3/4	2,126.43	3/4	2,470.10	3/4	2,813.78	3/4	3,157.42
3	86.13	3	429.74	3	773.40	3	1,103.69	3	1,446.24	3	1,789.91	3	2,133.59	3	2,477.26	3	2,820.94	3	3,164.58
1/4	93.28	1/4	436.90	1/4	780.56	1/4	1,110.57	1/4	1,453.40	1/4	1,797.07	1/4	2,140.75	1/4	2,484.42	1/4	2,828.10	1/4	3,171.74
1/2	100.43	1/2	444.06	1/2	787.72	1/2	1,117.45	1/2	1,460.56	1/2	1,804.23	1/2	2,147.91	1/2	2,491.58	1/2	2,835.26	1/2	3,178.89
3/4	107.58	3/4	451.22	3/4	794.88	3/4	1,124.32	3/4	1,467.72	3/4	1,811.39	3/4	2,155.07	3/4	2,498.74	3/4	2,842.42	3/4	3,186.05
4	114.73	4	458.38	4	802.04	4	1,131.20	4	1,474.88	4	1,818.55	4	2,162.23	4	2,505.90	4	2,849.58	4	3,193.21
1/4	121.88	1/4	465.54	1/4	808.92	1/4	1,138.36	1/4	1,482.04	1/4	1,825.71	1/4	2,169.39	1/4	2,513.06	1/4	2,856.74	1/4	3,200.37
1/2	129.04	1/2	472.70	1/2	815.80	1/2	1,145.52	1/2	1,489.19	1/2	1,832.87	1/2	2,176.55	1/2	2,520.22	1/2	2,863.90	1/2	3,207.52
3/4	136.20	3/4	479.86	3/4	822.67	3/4	1,152.68	3/4	1,496.35	3/4	1,840.03	3/4	2,183.71	3/4	2,527.38	3/4	2,871.06	3/4	3,214.68
5	143.36	5	487.02	5	829.55	5	1,159.84	5	1,503.51	5	1,847.19	5	2,190.87	5	2,534.54	5	2,878.22	5	3,221.84
1/4	150.52	1/4	494.18	1/4	836.41	1/4	1,167.00	1/4	1,510.67	1/4	1,854.35	1/4	2,198.03	1/4	2,541.70	1/4	2,885.38	1/4	3,229.00
1/2	157.68	1/2	501.34	1/2	843.27	1/2	1,174.16	1/2	1,517.83	1/2	1,861.51	1/2	2,205.18	1/2	2,548.86	1/2	2,892.54	1/2	3,236.16
3/4	164.84	3/4	508.50	3/4	850.13	3/4	1,181.32	3/4	1,524.99	3/4	1,868.67	3/4	2,212.34	3/4	2,556.02	3/4	2,899.70	3/4	3,243.31
6	172.00	6	515.66	6	856.99	6	1,188.48	6	1,532.15	6	1,875.83	6	2,219.50	6	2,563.18	6	2,906.86	6	3,250.47
1/4	179.16	1/4	522.82	1/4	863.84	1/4	1,195.64	1/4	1,539.31	1/4	1,882.99	1/4	2,226.66	1/4	2,570.34	1/4	2,914.02	1/4	3,257.63
1/2	186.32	1/2	529.98	1/2	870.70	1/2	1,202.80	1/2	1,546.47	1/2	1,890.15	1/2	2,233.82	1/2	2,577.50	1/2	2,921.17	1/2	3,264.79
3/4	193.48	3/4	537.14	3/4	877.55	3/4	1,209.96	3/4	1,553.63	3/4	1,897.31	3/4	2,240.98	3/4	2,584.66	3/4	2,928.33	3/4	3,271.94
7	200.64	7	544.30	7	884.40	7	1,217.12	7	1,560.79	7	1,904.47	7	2,248.14	7	2,591.82	7	2,935.49	7	3,279.10
1/4	207.80	1/4	551.46	1/4	891.25	1/4	1,224.28	1/4	1,567.95	1/4	1,911.63	1/4	2,255.30	1/4	2,598.98	1/4	2,942.65	1/4	3,286.26
1/2	214.96	1/2	558.62	1/2	898.10	1/2	1,231.44	1/2	1,575.11	1/2	1,918.79	1/2	2,262.46	1/2	2,606.14	1/2	2,949.81	1/2	3,293.42
3/4	222.11	3/4	565.78	3/4	904.95	3/4	1,238.60	3/4	1,582.27	3/4	1,925.95	3/4	2,269.62	3/4	2,613.30	3/4	2,956.97	3/4	3,300.58
8	229.27	8	572.94	8	911.81	8	1,245.76	8	1,589.43	8	1,933.11	8	2,276.78	8	2,620.46	8	2,964.13	8	3,307.73
1/4	236.43	1/4	580.09	1/4	918.66	1/4	1,252.92	1/4	1,596.59	1/4	1,940.27	1/4	2,283.94	1/4	2,627.62	1/4	2,971.29	1/4	3,314.89
1/2	243.59	1/2	587.25	1/2	925.51	1/2	1,260.08	1/2	1,603.75	1/2	1,947.43	1/2	2,291.10	1/2	2,634.78	1/2	2,978.45	1/2	3,322.05
3/4	250.75	3/4	594.41	3/4	932.36	3/4	1,267.24	3/4	1,610.91	3/4	1,954.59	3/4	2,298.26	3/4	2,641.94	3/4	2,985.61	3/4	3,329.21
9	257.91	9	601.57	9	939.21	9	1,274.40	9	1,618.07	9	1,961.75	9	2,305.42	9	2,649.10	9	2,992.77	9	3,336.37
1/4	265.07	1/4	608.73	1/4	946.06	1/4	1,281.56	1/4	1,625.23	1/4	1,968.91	1/4	2,312.58	1/4	2,656.26	1/4	2,999.93	1/4	3,343.52
1/2	272.23	1/2	615.89	1/2	952.92	1/2	1,288.72	1/2	1,632.39	1/2	1,976.07	1/2	2,319.74	1/2	2,663.42	1/2	3,007.09	1/2	3,350.68
3/4	279.39	3/4	623.05	3/4	959.77	3/4	1,295.88	3/4	1,639.55	3/4	1,983.23	3/4	2,326.90	3/4	2,670.58	3/4	3,014.25	3/4	3,357.84
10	286.55	10	630.21	10	966.62	10	1,303.04	10	1,646.71	10	1,990.39	10	2,334.06	10	2,677.74	10	3,021.41	10	3,365.00
1/4	293.71	1/4	637.37	1/4	973.47	1/4	1,310.20	1/4	1,653.87	1/4	1,997.55	1/4	2,341.22	1/4	2,684.90	1/4	3,028.57	1/4	3,372.15
1/2	300.87	1/2	644.53	1/2	980.32	1/2	1,317.36	1/2	1,661.03	1/2	2,004.71	1/2	2,348.38	1/2	2,692.06	1/2	3,035.73	1/2	3,379.31
3/4	308.03	3/4	651.69	3/4	987.18	3/4	1,324.52	3/4	1,668.19	3/4	2,011.87	3/4	2,355.54	3/4	2,699.22	3/4	3,042.89	3/4	3,386.47
11	315.19	11	658.85	11	994.03	11	1,331.68	11	1,675.35	11	2,019.03	11	2,362.70	11	2,706.38	11	3,050.05	11	3,393.63
1/4	322.35	1/4	666.01	1/4	1,000.88	1/4	1,338.84	1/4	1,682.51	1/4	2,026.19	1/4	2,369.86	1/4	2,713.54	1/4	3,057.21	1/4	3,400.79
1/2	329.51	1/2	673.17	1/2	1,007.73	1/2	1,346.00	1/2	1,689.67	1/2	2,033.35	1/2	2,377.02	1/2	2,720.70	1/2	3,064.37	1/2	3,407.94
3/4	336.67	3/4	680.33	3/4	1,014.58	3/4	1,353.16	3/4	1,696.83	3/4	2,040.51	3/4	2,384.18	3/4	2,727.86	3/4	3,071.53	3/4	3,415.10

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 3296"

2 PORT 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	3,422.26	0	3,765.83	0	4,109.41	0	4,452.33	0	4,794.33	0		0		0		0		0	
1/4	3,429.42	1/4	3,772.99	1/4	4,116.57	1/4	4,459.45	1/4	4,801.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,436.57	1/2	3,780.15	1/2	4,123.72	1/2	4,466.58	1/2	4,808.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,443.73	3/4	3,787.31	3/4	4,130.88	3/4	4,473.70	3/4	4,815.71	3/4		3/4		3/4		3/4		3/4	
1	3,450.89	1	3,794.46	1	4,138.04	1	4,480.83	1	4,822.83	1		1		1		1		1	
1/4	3,458.05	1/4	3,801.62	1/4	4,145.20	1/4	4,487.95	1/4	4,829.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,465.21	1/2	3,808.78	1/2	4,152.35	1/2	4,495.08	1/2	4,837.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,472.36	3/4	3,815.94	3/4	4,159.51	3/4	4,502.20	3/4	4,844.21	3/4		3/4		3/4		3/4		3/4	
2	3,479.52	2	3,823.10	2	4,166.67	2	4,509.33	2	4,851.33	2		2		2		2		2	
1/4	3,486.68	1/4	3,830.25	1/4	4,173.83	1/4	4,516.45	1/4	4,858.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,493.84	1/2	3,837.41	1/2	4,180.99	1/2	4,523.58	1/2	4,865.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,500.99	3/4	3,844.57	3/4	4,188.14	3/4	4,530.70	3/4	4,872.71	3/4		3/4		3/4		3/4		3/4	
3	3,508.15	3	3,851.73	3	4,195.30	3	4,537.83	3	4,879.83	3		3		3		3		3	
1/4	3,515.31	1/4	3,858.88	1/4	4,202.46	1/4	4,544.95	1/4	4,886.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,522.47	1/2	3,866.04	1/2	4,209.62	1/2	4,552.08	1/2	4,893.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,529.63	3/4	3,873.20	3/4	4,216.77	3/4	4,559.20	3/4	4,901.08	3/4		3/4		3/4		3/4		3/4	
4	3,536.78	4	3,880.36	4	4,223.93	4	4,566.33	4	4,908.16	4		4		4		4		4	
1/4	3,543.94	1/4	3,887.52	1/4	4,231.09	1/4	4,573.45	1/4	4,915.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,551.10	1/2	3,894.67	1/2	4,238.25	1/2	4,580.58	1/2	4,922.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,558.26	3/4	3,901.83	3/4	4,245.41	3/4	4,587.70	3/4	4,929.40	3/4		3/4		3/4		3/4		3/4	
5	3,565.41	5	3,908.99	5	4,252.56	5	4,594.83	5	4,936.48	5		5		5		5		5	
1/4	3,572.57	1/4	3,916.15	1/4	4,259.72	1/4	4,601.96	1/4	4,943.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,579.73	1/2	3,923.30	1/2	4,266.88	1/2	4,609.08	1/2	4,950.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,586.89	3/4	3,930.46	3/4	4,274.04	3/4	4,616.21	3/4	4,957.71	3/4		3/4		3/4		3/4		3/4	
6	3,594.05	6	3,937.62	6	4,281.19	6	4,623.33	6	4,964.79	6		6		6		6		6	
1/4	3,601.20	1/4	3,944.78	1/4	4,288.35	1/4	4,630.46	1/4	4,971.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,608.36	1/2	3,951.94	1/2	4,295.51	1/2	4,637.58	1/2	4,978.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,615.52	3/4	3,959.09	3/4	4,302.67	3/4	4,644.71	3/4	4,985.98	3/4		3/4		3/4		3/4		3/4	
7	3,622.68	7	3,966.25	7	4,309.83	7	4,651.83	7	4,993.05	7		7		7		7		7	
1/4	3,629.83	1/4	3,973.41	1/4	4,316.95	1/4	4,658.96	1/4	5,000.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,636.99	1/2	3,980.57	1/2	4,324.08	1/2	4,666.08	1/2	5,007.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,644.15	3/4	3,987.72	3/4	4,331.20	3/4	4,673.21	3/4	5,014.08	3/4		3/4		3/4		3/4		3/4	
8	3,651.31	8	3,994.88	8	4,338.33	8	4,680.33	8	5,021.10	8		8		8		8		8	
1/4	3,658.47	1/4	4,002.04	1/4	4,345.45	1/4	4,687.46	1/4	5,027.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,665.62	1/2	4,009.20	1/2	4,352.58	1/2	4,694.58	1/2	5,033.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,672.78	3/4	4,016.36	3/4	4,359.70	3/4	4,701.71	3/4	5,039.65	3/4		3/4		3/4		3/4		3/4	
9	3,679.94	9	4,023.51	9	4,366.83	9	4,708.83	9	5,045.84	9		9		9		9		9	
1/4	3,687.10	1/4	4,030.67	1/4	4,373.95	1/4	4,715.96	1/4	5,050.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,694.26	1/2	4,037.83	1/2	4,381.08	1/2	4,723.08	1/2	5,055.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,701.41	3/4	4,044.99	3/4	4,388.20	3/4	4,730.21	3/4	5,060.81	3/4		3/4		3/4		3/4		3/4	
10	3,708.57	10	4,052.15	10	4,395.33	10	4,737.33	10	5,065.80	10		10		10		10		10	
1/4	3,715.73	1/4	4,059.30	1/4	4,402.45	1/4	4,744.46	1/4	5,069.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,722.89	1/2	4,066.46	1/2	4,409.58	1/2	4,751.58	1/2	5,073.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,730.04	3/4	4,073.62	3/4	4,416.70	3/4	4,758.71	3/4	5,077.20	3/4		3/4		3/4		3/4		3/4	
11	3,737.20	11	4,080.78	11	4,423.83	11	4,765.83	11	5,081.00	11		11		11		11		11	
1/4	3,744.36	1/4	4,087.93	1/4	4,430.95	1/4	4,772.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,751.52	1/2	4,095.09	1/2	4,438.08	1/2	4,780.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,758.68	3/4	4,102.25	3/4	4,445.20	3/4	4,787.21	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

2 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.66	0	343.35	0	686.53	0	1,029.36	0	1,372.42	0	1,715.61	0	2,058.81	0	2,402.00	0	2,745.20	0	3,088.39
1/4	19.13	1/4	350.50	1/4	693.68	1/4	1,036.50	1/4	1,379.57	1/4	1,722.76	1/4	2,065.96	1/4	2,409.15	1/4	2,752.35	1/4	3,095.53
1/2	23.60	1/2	357.65	1/2	700.83	1/2	1,043.63	1/2	1,386.72	1/2	1,729.91	1/2	2,073.11	1/2	2,416.30	1/2	2,759.50	1/2	3,102.68
3/4	28.07	3/4	364.80	3/4	707.98	3/4	1,050.77	3/4	1,393.87	3/4	1,737.06	3/4	2,080.26	3/4	2,423.45	3/4	2,766.65	3/4	3,109.83
1	32.54	1	371.95	1	715.13	1	1,057.90	1	1,401.02	1	1,744.21	1	2,087.41	1	2,430.60	1	2,773.80	1	3,116.98
1/4	38.79	1/4	379.10	1/4	722.28	1/4	1,065.04	1/4	1,408.17	1/4	1,751.36	1/4	2,094.56	1/4	2,437.75	1/4	2,780.95	1/4	3,124.12
1/2	45.05	1/2	386.25	1/2	729.43	1/2	1,072.18	1/2	1,415.32	1/2	1,758.51	1/2	2,101.71	1/2	2,444.90	1/2	2,788.10	1/2	3,131.27
3/4	51.30	3/4	393.40	3/4	736.58	3/4	1,079.31	3/4	1,422.47	3/4	1,765.66	3/4	2,108.86	3/4	2,452.05	3/4	2,795.25	3/4	3,138.42
2	57.56	2	400.55	2	743.73	2	1,086.45	2	1,429.62	2	1,772.81	2	2,116.01	2	2,459.20	2	2,802.40	2	3,145.57
1/4	64.67	1/4	407.70	1/4	750.88	1/4	1,093.59	1/4	1,436.77	1/4	1,779.96	1/4	2,123.16	1/4	2,466.35	1/4	2,809.55	1/4	3,152.72
1/2	71.78	1/2	414.84	1/2	758.03	1/2	1,100.73	1/2	1,443.92	1/2	1,787.11	1/2	2,130.31	1/2	2,473.50	1/2	2,816.70	1/2	3,159.86
3/4	78.90	3/4	421.99	3/4	765.18	3/4	1,107.88	3/4	1,451.07	3/4	1,794.26	3/4	2,137.46	3/4	2,480.65	3/4	2,823.85	3/4	3,167.01
3	86.01	3	429.14	3	772.32	3	1,115.02	3	1,458.22	3	1,801.41	3	2,144.61	3	2,487.80	3	2,831.00	3	3,174.16
1/4	93.15	1/4	436.29	1/4	779.47	1/4	1,122.17	1/4	1,465.37	1/4	1,808.56	1/4	2,151.76	1/4	2,494.95	1/4	2,838.15	1/4	3,181.31
1/2	100.29	1/2	443.44	1/2	786.62	1/2	1,129.32	1/2	1,472.52	1/2	1,815.71	1/2	2,158.91	1/2	2,502.10	1/2	2,845.30	1/2	3,188.46
3/4	107.43	3/4	450.59	3/4	793.77	3/4	1,136.47	3/4	1,479.67	3/4	1,822.86	3/4	2,166.06	3/4	2,509.25	3/4	2,852.45	3/4	3,195.60
4	114.57	4	457.74	4	800.92	4	1,143.62	4	1,486.82	4	1,830.01	4	2,173.21	4	2,516.40	4	2,859.60	4	3,202.75
1/4	121.71	1/4	464.89	1/4	808.07	1/4	1,150.77	1/4	1,493.97	1/4	1,837.16	1/4	2,180.36	1/4	2,523.55	1/4	2,866.75	1/4	3,209.90
1/2	128.86	1/2	472.04	1/2	815.22	1/2	1,157.92	1/2	1,501.12	1/2	1,844.31	1/2	2,187.51	1/2	2,530.70	1/2	2,873.90	1/2	3,217.05
3/4	136.01	3/4	479.19	3/4	822.37	3/4	1,165.07	3/4	1,508.27	3/4	1,851.46	3/4	2,194.66	3/4	2,537.85	3/4	2,881.05	3/4	3,224.19
5	143.16	5	486.34	5	829.52	5	1,172.22	5	1,515.42	5	1,858.61	5	2,201.81	5	2,545.00	5	2,888.20	5	3,231.34
1/4	150.31	1/4	493.49	1/4	836.67	1/4	1,179.37	1/4	1,522.57	1/4	1,865.76	1/4	2,208.96	1/4	2,552.15	1/4	2,895.35	1/4	3,238.49
1/2	157.46	1/2	500.64	1/2	843.81	1/2	1,186.52	1/2	1,529.72	1/2	1,872.91	1/2	2,216.11	1/2	2,559.30	1/2	2,902.50	1/2	3,245.64
3/4	164.61	3/4	507.79	3/4	850.96	3/4	1,193.67	3/4	1,536.87	3/4	1,880.06	3/4	2,223.26	3/4	2,566.45	3/4	2,909.65	3/4	3,252.79
6	171.76	6	514.94	6	858.10	6	1,200.82	6	1,544.02	6	1,887.21	6	2,230.41	6	2,573.60	6	2,916.80	6	3,259.93
1/4	178.91	1/4	522.09	1/4	865.24	1/4	1,207.97	1/4	1,551.17	1/4	1,894.36	1/4	2,237.56	1/4	2,580.75	1/4	2,923.95	1/4	3,267.08
1/2	186.06	1/2	529.24	1/2	872.37	1/2	1,215.12	1/2	1,558.32	1/2	1,901.51	1/2	2,244.71	1/2	2,587.90	1/2	2,931.10	1/2	3,274.23
3/4	193.21	3/4	536.39	3/4	879.51	3/4	1,222.27	3/4	1,565.47	3/4	1,908.66	3/4	2,251.86	3/4	2,595.05	3/4	2,938.25	3/4	3,281.38
7	200.36	7	543.54	7	886.64	7	1,229.42	7	1,572.62	7	1,915.81	7	2,259.01	7	2,602.20	7	2,945.40	7	3,288.52
1/4	207.51	1/4	550.69	1/4	893.78	1/4	1,236.57	1/4	1,579.77	1/4	1,922.96	1/4	2,266.16	1/4	2,609.35	1/4	2,952.55	1/4	3,295.67
1/2	214.66	1/2	557.84	1/2	900.92	1/2	1,243.72	1/2	1,586.92	1/2	1,930.11	1/2	2,273.31	1/2	2,616.50	1/2	2,959.70	1/2	3,302.82
3/4	221.81	3/4	564.99	3/4	908.05	3/4	1,250.87	3/4	1,594.07	3/4	1,937.26	3/4	2,280.46	3/4	2,623.65	3/4	2,966.85	3/4	3,309.97
8	228.96	8	572.14	8	915.19	8	1,258.02	8	1,601.22	8	1,944.41	8	2,287.61	8	2,630.80	8	2,974.00	8	3,317.12
1/4	236.10	1/4	579.29	1/4	922.32	1/4	1,265.17	1/4	1,608.37	1/4	1,951.56	1/4	2,294.76	1/4	2,637.95	1/4	2,981.15	1/4	3,324.26
1/2	243.25	1/2	586.44	1/2	929.46	1/2	1,272.32	1/2	1,615.51	1/2	1,958.71	1/2	2,301.91	1/2	2,645.10	1/2	2,988.30	1/2	3,331.41
3/4	250.40	3/4	593.58	3/4	936.59	3/4	1,279.47	3/4	1,622.66	3/4	1,965.86	3/4	2,309.06	3/4	2,652.25	3/4	2,995.45	3/4	3,338.56
9	257.55	9	600.73	9	943.73	9	1,286.62	9	1,629.81	9	1,973.01	9	2,316.21	9	2,659.40	9	3,002.60	9	3,345.71
1/4	264.70	1/4	607.88	1/4	950.86	1/4	1,293.77	1/4	1,636.96	1/4	1,980.16	1/4	2,323.36	1/4	2,666.55	1/4	3,009.75	1/4	3,352.85
1/2	271.85	1/2	615.03	1/2	958.00	1/2	1,300.92	1/2	1,644.11	1/2	1,987.31	1/2	2,330.50	1/2	2,673.70	1/2	3,016.90	1/2	3,360.00
3/4	279.00	3/4	622.18	3/4	965.14	3/4	1,308.07	3/4	1,651.26	3/4	1,994.46	3/4	2,337.65	3/4	2,680.85	3/4	3,024.05	3/4	3,367.15
10	286.15	10	629.33	10	972.27	10	1,315.22	10	1,658.41	10	2,001.61	10	2,344.80	10	2,688.00	10	3,031.20	10	3,374.30
1/4	293.30	1/4	636.48	1/4	979.41	1/4	1,322.37	1/4	1,665.56	1/4	2,008.76	1/4	2,351.95	1/4	2,695.15	1/4	3,038.35	1/4	3,381.45
1/2	300.45	1/2	643.63	1/2	986.54	1/2	1,329.52	1/2	1,672.71	1/2	2,015.91	1/2	2,359.10	1/2	2,702.30	1/2	3,045.49	1/2	3,388.59
3/4	307.60	3/4	650.78	3/4	993.68	3/4	1,336.67	3/4	1,679.86	3/4	2,023.06	3/4	2,366.25	3/4	2,709.45	3/4	3,052.64	3/4	3,395.74
11	314.75	11	657.93	11	1,000.82	11	1,343.82	11	1,687.01	11	2,030.21	11	2,373.40	11	2,716.60	11	3,059.79	11	3,402.89
1/4	321.90	1/4	665.08	1/4	1,007.95	1/4	1,350.97	1/4	1,694.16	1/4	2,037.36	1/4	2,380.55	1/4	2,723.75	1/4	3,066.94	1/4	3,410.04
1/2	329.05	1/2	672.23	1/2	1,015.09	1/2	1,358.12	1/2	1,701.31	1/2	2,044.51	1/2	2,387.70	1/2	2,730.90	1/2	3,074.09	1/2	3,417.18
3/4	336.20	3/4	679.38	3/4	1,022.22	3/4	1,365.27	3/4	1,708.46	3/4	2,051.66	3/4	2,394.85	3/4	2,738.05	3/4	3,081.24	3/4	3,424.33

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 3296"

**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	3,431.48	0	3,774.60	0	4,117.80	0	4,460.34	0	4,801.96	0		0		0		0		0	
1/4	3,438.63	1/4	3,781.75	1/4	4,124.95	1/4	4,467.45	1/4	4,809.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,445.78	1/2	3,788.90	1/2	4,132.09	1/2	4,474.57	1/2	4,816.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,452.92	3/4	3,796.05	3/4	4,139.24	3/4	4,481.69	3/4	4,823.31	3/4		3/4		3/4		3/4		3/4	
1	3,460.07	1	3,803.20	1	4,146.39	1	4,488.81	1	4,830.43	1		1		1		1		1	
1/4	3,467.22	1/4	3,810.35	1/4	4,153.54	1/4	4,495.92	1/4	4,837.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,474.37	1/2	3,817.50	1/2	4,160.69	1/2	4,503.04	1/2	4,844.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,481.51	3/4	3,824.65	3/4	4,167.84	3/4	4,510.16	3/4	4,851.78	3/4		3/4		3/4		3/4		3/4	
2	3,488.66	2	3,831.80	2	4,174.99	2	4,517.27	2	4,858.90	2		2		2		2		2	
1/4	3,495.81	1/4	3,838.95	1/4	4,182.14	1/4	4,524.39	1/4	4,866.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,502.96	1/2	3,846.10	1/2	4,189.29	1/2	4,531.51	1/2	4,873.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,510.11	3/4	3,853.25	3/4	4,196.44	3/4	4,538.63	3/4	4,880.25	3/4		3/4		3/4		3/4		3/4	
3	3,517.25	3	3,860.40	3	4,203.59	3	4,545.74	3	4,887.37	3		3		3		3		3	
1/4	3,524.40	1/4	3,867.55	1/4	4,210.74	1/4	4,552.86	1/4	4,894.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,531.55	1/2	3,874.70	1/2	4,217.89	1/2	4,559.98	1/2	4,901.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,538.70	3/4	3,881.85	3/4	4,225.04	3/4	4,567.09	3/4	4,908.58	3/4		3/4		3/4		3/4		3/4	
4	3,545.85	4	3,889.00	4	4,232.19	4	4,574.21	4	4,915.66	4		4		4		4		4	
1/4	3,552.99	1/4	3,896.15	1/4	4,239.34	1/4	4,581.33	1/4	4,922.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,560.14	1/2	3,903.30	1/2	4,246.49	1/2	4,588.45	1/2	4,929.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,567.29	3/4	3,910.45	3/4	4,253.64	3/4	4,595.56	3/4	4,936.87	3/4		3/4		3/4		3/4		3/4	
5	3,574.44	5	3,917.60	5	4,260.79	5	4,602.68	5	4,943.94	5		5		5		5		5	
1/4	3,581.58	1/4	3,924.75	1/4	4,267.94	1/4	4,609.80	1/4	4,951.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.73	1/2	3,931.90	1/2	4,275.09	1/2	4,616.91	1/2	4,958.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,595.88	3/4	3,939.05	3/4	4,282.24	3/4	4,624.03	3/4	4,965.16	3/4		3/4		3/4		3/4		3/4	
6	3,603.03	6	3,946.20	6	4,289.39	6	4,631.15	6	4,972.23	6		6		6		6		6	
1/4	3,610.18	1/4	3,953.35	1/4	4,296.54	1/4	4,638.27	1/4	4,979.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,617.32	1/2	3,960.50	1/2	4,303.69	1/2	4,645.38	1/2	4,986.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,624.47	3/4	3,967.65	3/4	4,310.84	3/4	4,652.50	3/4	4,993.40	3/4		3/4		3/4		3/4		3/4	
7	3,631.62	7	3,974.80	7	4,317.99	7	4,659.62	7	5,000.46	7		7		7		7		7	
1/4	3,638.77	1/4	3,981.95	1/4	4,325.11	1/4	4,666.74	1/4	5,007.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,645.91	1/2	3,989.10	1/2	4,332.23	1/2	4,673.85	1/2	5,014.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,653.06	3/4	3,996.25	3/4	4,339.34	3/4	4,680.97	3/4	5,021.47	3/4		3/4		3/4		3/4		3/4	
8	3,660.21	8	4,003.40	8	4,346.46	8	4,688.09	8	5,028.47	8		8		8		8		8	
1/4	3,667.36	1/4	4,010.55	1/4	4,353.58	1/4	4,695.20	1/4	5,034.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,674.51	1/2	4,017.70	1/2	4,360.70	1/2	4,702.32	1/2	5,040.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,681.65	3/4	4,024.85	3/4	4,367.81	3/4	4,709.44	3/4	5,047.01	3/4		3/4		3/4		3/4		3/4	
9	3,688.80	9	4,032.00	9	4,374.93	9	4,716.56	9	5,053.19	9		9		9		9		9	
1/4	3,695.95	1/4	4,039.15	1/4	4,382.05	1/4	4,723.67	1/4	5,058.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,703.10	1/2	4,046.30	1/2	4,389.16	1/2	4,730.79	1/2	5,063.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,710.25	3/4	4,053.45	3/4	4,396.28	3/4	4,737.91	3/4	5,068.15	3/4		3/4		3/4		3/4		3/4	
10	3,717.40	10	4,060.60	10	4,403.40	10	4,745.02	10	5,073.13	10		10		10		10		10	
1/4	3,724.55	1/4	4,067.75	1/4	4,410.52	1/4	4,752.14	1/4	5,076.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,731.70	1/2	4,074.90	1/2	4,417.63	1/2	4,759.26	1/2	5,080.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,738.85	3/4	4,082.05	3/4	4,424.75	3/4	4,766.38	3/4	5,084.52	3/4		3/4		3/4		3/4		3/4	
11	3,746.00	11	4,089.20	11	4,431.87	11	4,773.49	11	5,088.31	11		11		11		11		11	
1/4	3,753.15	1/4	4,096.35	1/4	4,438.98	1/4	4,780.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,760.30	1/2	4,103.50	1/2	4,446.10	1/2	4,787.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,767.45	3/4	4,110.65	3/4	4,453.22	3/4	4,794.84	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

3 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	14.62	0	342.19	0	683.70	0	1,015.56	0	1,352.36	0	1,693.76	0	2,035.16	0	2,376.56	0	2,717.93	0	3,059.46
1/4	19.07	1/4	349.31	1/4	690.81	1/4	1,022.37	1/4	1,359.47	1/4	1,700.87	1/4	2,042.27	1/4	2,383.67	1/4	2,725.04	1/4	3,066.56
1/2	23.52	1/2	356.44	1/2	697.92	1/2	1,029.17	1/2	1,366.59	1/2	1,707.99	1/2	2,049.39	1/2	2,390.79	1/2	2,732.15	1/2	3,073.67
3/4	27.98	3/4	363.56	3/4	705.04	3/4	1,035.97	3/4	1,373.70	3/4	1,715.10	3/4	2,056.50	3/4	2,397.90	3/4	2,739.26	3/4	3,080.78
1	32.43	1	370.69	1	712.15	1	1,042.78	1	1,380.81	1	1,722.21	1	2,063.61	1	2,405.01	1	2,746.37	1	3,087.89
1/4	38.66	1/4	377.80	1/4	719.26	1/4	1,049.58	1/4	1,387.92	1/4	1,729.32	1/4	2,070.72	1/4	2,412.12	1/4	2,753.49	1/4	3,094.99
1/2	44.90	1/2	384.92	1/2	726.38	1/2	1,056.38	1/2	1,395.04	1/2	1,736.44	1/2	2,077.84	1/2	2,419.24	1/2	2,760.60	1/2	3,102.10
3/4	51.13	3/4	392.03	3/4	733.49	3/4	1,063.19	3/4	1,402.15	3/4	1,743.55	3/4	2,084.95	3/4	2,426.35	3/4	2,767.71	3/4	3,109.21
2	57.36	2	399.14	2	740.61	2	1,069.99	2	1,409.26	2	1,750.66	2	2,092.06	2	2,433.46	2	2,774.82	2	3,116.32
1/4	64.45	1/4	406.26	1/4	747.72	1/4	1,076.80	1/4	1,416.37	1/4	1,757.77	1/4	2,099.17	1/4	2,440.57	1/4	2,781.93	1/4	3,123.41
1/2	71.54	1/2	413.37	1/2	754.83	1/2	1,083.61	1/2	1,423.49	1/2	1,764.89	1/2	2,106.29	1/2	2,447.69	1/2	2,789.04	1/2	3,130.50
3/4	78.63	3/4	420.48	3/4	761.95	3/4	1,090.42	3/4	1,430.60	3/4	1,772.00	3/4	2,113.40	3/4	2,454.80	3/4	2,796.16	3/4	3,137.59
3	85.72	3	427.60	3	769.06	3	1,097.24	3	1,437.71	3	1,779.11	3	2,120.51	3	2,461.91	3	2,803.27	3	3,144.68
1/4	92.83	1/4	434.71	1/4	776.17	1/4	1,104.12	1/4	1,444.82	1/4	1,786.22	1/4	2,127.62	1/4	2,469.02	1/4	2,810.38	1/4	3,151.77
1/2	99.95	1/2	441.83	1/2	783.29	1/2	1,111.00	1/2	1,451.94	1/2	1,793.34	1/2	2,134.74	1/2	2,476.14	1/2	2,817.49	1/2	3,158.86
3/4	107.06	3/4	448.94	3/4	790.40	3/4	1,117.88	3/4	1,459.05	3/4	1,800.45	3/4	2,141.85	3/4	2,483.25	3/4	2,824.60	3/4	3,165.95
4	114.18	4	456.05	4	797.52	4	1,124.76	4	1,466.16	4	1,807.56	4	2,148.96	4	2,490.36	4	2,831.71	4	3,173.04
1/4	121.30	1/4	463.17	1/4	804.40	1/4	1,131.87	1/4	1,473.27	1/4	1,814.67	1/4	2,156.07	1/4	2,497.47	1/4	2,838.82	1/4	3,180.13
1/2	128.43	1/2	470.28	1/2	811.28	1/2	1,138.99	1/2	1,480.39	1/2	1,821.79	1/2	2,163.19	1/2	2,504.58	1/2	2,845.94	1/2	3,187.22
3/4	135.55	3/4	477.39	3/4	818.16	3/4	1,146.10	3/4	1,487.50	3/4	1,828.90	3/4	2,170.30	3/4	2,511.70	3/4	2,853.05	3/4	3,194.31
5	142.68	5	484.51	5	825.04	5	1,153.21	5	1,494.61	5	1,836.01	5	2,177.41	5	2,518.81	5	2,860.16	5	3,201.40
1/4	149.80	1/4	491.62	1/4	831.85	1/4	1,160.32	1/4	1,501.72	1/4	1,843.12	1/4	2,184.52	1/4	2,525.92	1/4	2,867.27	1/4	3,208.49
1/2	156.93	1/2	498.74	1/2	838.67	1/2	1,167.44	1/2	1,508.84	1/2	1,850.24	1/2	2,191.64	1/2	2,533.03	1/2	2,874.38	1/2	3,215.58
3/4	164.05	3/4	505.85	3/4	845.48	3/4	1,174.55	3/4	1,515.95	3/4	1,857.35	3/4	2,198.75	3/4	2,540.14	3/4	2,881.49	3/4	3,222.67
6	171.18	6	512.96	6	852.29	6	1,181.66	6	1,523.06	6	1,864.46	6	2,205.86	6	2,547.25	6	2,888.60	6	3,229.76
1/4	178.30	1/4	520.08	1/4	859.09	1/4	1,188.77	1/4	1,530.17	1/4	1,871.57	1/4	2,212.97	1/4	2,554.36	1/4	2,895.72	1/4	3,236.85
1/2	185.43	1/2	527.19	1/2	865.89	1/2	1,195.89	1/2	1,537.29	1/2	1,878.69	1/2	2,220.09	1/2	2,561.48	1/2	2,902.83	1/2	3,243.94
3/4	192.55	3/4	534.31	3/4	872.70	3/4	1,203.00	3/4	1,544.40	3/4	1,885.80	3/4	2,227.20	3/4	2,568.59	3/4	2,909.94	3/4	3,251.03
7	199.68	7	541.42	7	879.50	7	1,210.11	7	1,551.51	7	1,892.91	7	2,234.31	7	2,575.70	7	2,917.05	7	3,258.12
1/4	206.80	1/4	548.53	1/4	886.30	1/4	1,217.22	1/4	1,558.62	1/4	1,900.02	1/4	2,241.42	1/4	2,582.81	1/4	2,924.17	1/4	3,265.21
1/2	213.93	1/2	555.65	1/2	893.11	1/2	1,224.34	1/2	1,565.74	1/2	1,907.14	1/2	2,248.54	1/2	2,589.92	1/2	2,931.30	1/2	3,272.30
3/4	221.05	3/4	562.76	3/4	899.91	3/4	1,231.45	3/4	1,572.85	3/4	1,914.25	3/4	2,255.65	3/4	2,597.03	3/4	2,938.42	3/4	3,279.40
8	228.18	8	569.87	8	906.71	8	1,238.56	8	1,579.96	8	1,921.36	8	2,262.76	8	2,604.14	8	2,945.54	8	3,286.49
1/4	235.31	1/4	576.99	1/4	913.52	1/4	1,245.67	1/4	1,587.07	1/4	1,928.47	1/4	2,269.87	1/4	2,611.26	1/4	2,952.67	1/4	3,293.58
1/2	242.43	1/2	584.10	1/2	920.32	1/2	1,252.79	1/2	1,594.19	1/2	1,935.59	1/2	2,276.99	1/2	2,618.37	1/2	2,959.79	1/2	3,300.67
3/4	249.56	3/4	591.22	3/4	927.12	3/4	1,259.90	3/4	1,601.30	3/4	1,942.70	3/4	2,284.10	3/4	2,625.48	3/4	2,966.91	3/4	3,307.76
9	256.68	9	598.33	9	933.92	9	1,267.01	9	1,608.41	9	1,949.81	9	2,291.21	9	2,632.59	9	2,974.04	9	3,314.85
1/4	263.81	1/4	605.44	1/4	940.73	1/4	1,274.12	1/4	1,615.52	1/4	1,956.92	1/4	2,298.32	1/4	2,639.70	1/4	2,981.16	1/4	3,321.95
1/2	270.93	1/2	612.56	1/2	947.53	1/2	1,281.24	1/2	1,622.64	1/2	1,964.04	1/2	2,305.44	1/2	2,646.81	1/2	2,988.28	1/2	3,329.04
3/4	278.06	3/4	619.67	3/4	954.33	3/4	1,288.35	3/4	1,629.75	3/4	1,971.15	3/4	2,312.55	3/4	2,653.93	3/4	2,995.41	3/4	3,336.13
10	285.18	10	626.78	10	961.14	10	1,295.46	10	1,636.86	10	1,978.26	10	2,319.66	10	2,661.04	10	3,002.53	10	3,343.22
1/4	292.31	1/4	633.90	1/4	967.94	1/4	1,302.57	1/4	1,643.97	1/4	1,985.37	1/4	2,326.77	1/4	2,668.15	1/4	3,009.65	1/4	3,347.55
1/2	299.43	1/2	641.01	1/2	974.74	1/2	1,309.69	1/2	1,651.09	1/2	1,992.49	1/2	2,333.89	1/2	2,675.26	1/2	3,016.78	1/2	3,351.89
3/4	306.56	3/4	648.13	3/4	981.55	3/4	1,316.80	3/4	1,658.20	3/4	1,999.60	3/4	2,341.00	3/4	2,682.37	3/4	3,023.90	3/4	3,356.22
11	313.68	11	655.24	11	988.35	11	1,323.91	11	1,665.31	11	2,006.71	11	2,348.11	11	2,689.48	11	3,031.03	11	3,360.55
1/4	320.81	1/4	662.35	1/4	995.15	1/4	1,331.02	1/4	1,672.42	1/4	2,013.82	1/4	2,355.22	1/4	2,696.59	1/4	3,038.13	1/4	3,364.89
1/2	327.94	1/2	669.47	1/2	1,001.96	1/2	1,338.14	1/2	1,679.54	1/2	2,020.94	1/2	2,362.34	1/2	2,703.71	1/2	3,045.24	1/2	3,369.22
3/4	335.06	3/4	676.58	3/4	1,008.76	3/4	1,345.25	3/4	1,686.65	3/4	2,028.05	3/4	2,369.45	3/4	2,710.82	3/4	3,052.35	3/4	3,373.55

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 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "FMT 3296"

3 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	3,377.88	0	3,586.93	0	3,796.54	0	4,005.77	0	4,214.46	0		0		0		0		0	
1/4	3,382.24	1/4	3,591.29	1/4	3,800.90	1/4	4,010.11	1/4	4,218.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,386.59	1/2	3,595.66	1/2	3,805.27	1/2	4,014.46	1/2	4,223.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,390.94	3/4	3,600.03	3/4	3,809.64	3/4	4,018.81	3/4	4,227.50	3/4		3/4		3/4		3/4		3/4	
1	3,395.29	1	3,604.39	1	3,814.01	1	4,023.16	1	4,231.85	1		1		1		1		1	
1/4	3,399.64	1/4	3,608.76	1/4	3,818.37	1/4	4,027.51	1/4	4,236.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,403.99	1/2	3,613.13	1/2	3,822.74	1/2	4,031.85	1/2	4,240.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,408.34	3/4	3,617.49	3/4	3,827.11	3/4	4,036.20	3/4	4,244.90	3/4		3/4		3/4		3/4		3/4	
2	3,412.69	2	3,621.86	2	3,831.47	2	4,040.55	2	4,249.24	2		2		2		2		2	
1/4	3,417.04	1/4	3,626.23	1/4	3,835.84	1/4	4,044.90	1/4	4,253.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,421.39	1/2	3,630.60	1/2	3,840.21	1/2	4,049.24	1/2	4,257.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,425.75	3/4	3,634.96	3/4	3,844.57	3/4	4,053.59	3/4	4,262.29	3/4		3/4		3/4		3/4		3/4	
3	3,430.10	3	3,639.33	3	3,848.94	3	4,057.94	3	4,266.63	3		3		3		3		3	
1/4	3,434.45	1/4	3,643.70	1/4	3,853.31	1/4	4,062.29	1/4	4,270.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,438.80	1/2	3,648.06	1/2	3,857.67	1/2	4,066.64	1/2	4,275.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,443.15	3/4	3,652.43	3/4	3,862.04	3/4	4,070.98	3/4	4,279.60	3/4		3/4		3/4		3/4		3/4	
4	3,447.50	4	3,656.80	4	3,866.41	4	4,075.33	4	4,283.92	4		4		4		4		4	
1/4	3,451.85	1/4	3,661.16	1/4	3,870.77	1/4	4,079.68	1/4	4,288.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,456.20	1/2	3,665.53	1/2	3,875.14	1/2	4,084.03	1/2	4,292.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,460.55	3/4	3,669.90	3/4	3,879.51	3/4	4,088.37	3/4	4,296.88	3/4		3/4		3/4		3/4		3/4	
5	3,464.91	5	3,674.26	5	3,883.88	5	4,092.72	5	4,301.20	5		5		5		5		5	
1/4	3,469.26	1/4	3,678.63	1/4	3,888.24	1/4	4,097.07	1/4	4,305.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,473.61	1/2	3,683.00	1/2	3,892.61	1/2	4,101.42	1/2	4,309.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,477.96	3/4	3,687.37	3/4	3,896.98	3/4	4,105.77	3/4	4,314.15	3/4		3/4		3/4		3/4		3/4	
6	3,482.31	6	3,691.73	6	3,901.34	6	4,110.11	6	4,318.46	6		6		6		6		6	
1/4	3,486.66	1/4	3,696.10	1/4	3,905.71	1/4	4,114.46	1/4	4,322.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,491.01	1/2	3,700.47	1/2	3,910.08	1/2	4,118.81	1/2	4,327.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,495.36	3/4	3,704.83	3/4	3,914.44	3/4	4,123.16	3/4	4,331.38	3/4		3/4		3/4		3/4		3/4	
7	3,499.71	7	3,709.20	7	3,918.81	7	4,127.51	7	4,335.69	7		7		7		7		7	
1/4	3,504.07	1/4	3,713.57	1/4	3,923.16	1/4	4,131.85	1/4	4,339.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,508.42	1/2	3,717.93	1/2	3,927.51	1/2	4,136.20	1/2	4,344.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,512.77	3/4	3,722.30	3/4	3,931.85	3/4	4,140.55	3/4	4,348.44	3/4		3/4		3/4		3/4		3/4	
8	3,517.12	8	3,726.67	8	3,936.20	8	4,144.90	8	4,352.69	8		8		8		8		8	
1/4	3,521.47	1/4	3,731.03	1/4	3,940.55	1/4	4,149.24	1/4	4,356.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,525.82	1/2	3,735.40	1/2	3,944.90	1/2	4,153.59	1/2	4,359.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,530.17	3/4	3,739.77	3/4	3,949.25	3/4	4,157.94	3/4	4,362.98	3/4		3/4		3/4		3/4		3/4	
9	3,534.52	9	3,744.13	9	3,953.59	9	4,162.29	9	4,366.41	9		9		9		9		9	
1/4	3,538.89	1/4	3,748.50	1/4	3,957.94	1/4	4,166.64	1/4	4,368.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,543.26	1/2	3,752.87	1/2	3,962.29	1/2	4,170.98	1/2	4,370.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,547.62	3/4	3,757.24	3/4	3,966.64	3/4	4,175.33	3/4	4,373.14	3/4		3/4		3/4		3/4		3/4	
10	3,551.99	10	3,761.60	10	3,970.98	10	4,179.68	10	4,375.38	10		10		10		10		10	
1/4	3,556.36	1/4	3,765.97	1/4	3,975.33	1/4	4,184.03	1/4	4,377.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,560.72	1/2	3,770.34	1/2	3,979.68	1/2	4,188.37	1/2	4,378.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,565.09	3/4	3,774.70	3/4	3,984.03	3/4	4,192.72	3/4	4,380.50	3/4		3/4		3/4		3/4		3/4	
11	3,569.46	11	3,779.07	11	3,988.38	11	4,197.07	11	4,382.21	11		11		11		11		11	
1/4	3,573.83	1/4	3,783.44	1/4	3,992.72	1/4	4,201.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,578.19	1/2	3,787.80	1/2	3,997.07	1/2	4,205.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,582.56	3/4	3,792.17	3/4	4,001.42	3/4	4,210.11	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

3 STBD 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	14.63	0	342.58	0	684.99	0	1,027.05	0	1,369.34	0	1,711.76	0	2,054.18	0	2,396.60	0	2,738.75	0	3,080.30
1/4	19.09	1/4	349.71	1/4	692.13	1/4	1,034.17	1/4	1,376.47	1/4	1,718.89	1/4	2,061.31	1/4	2,403.74	1/4	2,745.87	1/4	3,087.42
1/2	23.55	1/2	356.85	1/2	699.26	1/2	1,041.29	1/2	1,383.60	1/2	1,726.03	1/2	2,068.45	1/2	2,410.87	1/2	2,752.98	1/2	3,094.53
3/4	28.01	3/4	363.98	3/4	706.39	3/4	1,048.41	3/4	1,390.74	3/4	1,733.16	3/4	2,075.58	3/4	2,418.00	3/4	2,760.10	3/4	3,101.65
1	32.47	1	371.11	1	713.53	1	1,055.53	1	1,397.87	1	1,740.29	1	2,082.72	1	2,425.14	1	2,767.22	1	3,108.76
1/4	38.71	1/4	378.25	1/4	720.66	1/4	1,062.65	1/4	1,405.00	1/4	1,747.43	1/4	2,089.85	1/4	2,432.27	1/4	2,774.33	1/4	3,115.88
1/2	44.95	1/2	385.38	1/2	727.79	1/2	1,069.77	1/2	1,412.14	1/2	1,754.56	1/2	2,096.98	1/2	2,439.41	1/2	2,781.45	1/2	3,123.00
3/4	51.19	3/4	392.52	3/4	734.93	3/4	1,076.89	3/4	1,419.27	3/4	1,761.69	3/4	2,104.12	3/4	2,446.54	3/4	2,788.56	3/4	3,130.11
2	57.43	2	399.65	2	742.06	2	1,084.01	2	1,426.41	2	1,768.83	2	2,111.25	2	2,453.67	2	2,795.68	2	3,137.23
1/4	64.53	1/4	406.78	1/4	749.20	1/4	1,091.14	1/4	1,433.54	1/4	1,775.96	1/4	2,118.38	1/4	2,460.81	1/4	2,802.79	1/4	3,144.33
1/2	71.62	1/2	413.92	1/2	756.33	1/2	1,098.26	1/2	1,440.67	1/2	1,783.10	1/2	2,125.52	1/2	2,467.94	1/2	2,809.91	1/2	3,151.42
3/4	78.72	3/4	421.05	3/4	763.46	3/4	1,105.39	3/4	1,447.81	3/4	1,790.23	3/4	2,132.65	3/4	2,475.07	3/4	2,817.02	3/4	3,158.52
3	85.82	3	428.18	3	770.60	3	1,112.52	3	1,454.94	3	1,797.36	3	2,139.79	3	2,482.21	3	2,824.14	3	3,165.62
1/4	92.94	1/4	435.32	1/4	777.73	1/4	1,119.65	1/4	1,462.07	1/4	1,804.50	1/4	2,146.92	1/4	2,489.34	1/4	2,831.26	1/4	3,172.72
1/2	100.06	1/2	442.45	1/2	784.86	1/2	1,126.79	1/2	1,469.21	1/2	1,811.63	1/2	2,154.05	1/2	2,496.48	1/2	2,838.37	1/2	3,179.82
3/4	107.19	3/4	449.58	3/4	792.00	3/4	1,133.92	3/4	1,476.34	3/4	1,818.76	3/4	2,161.19	3/4	2,503.61	3/4	2,845.49	3/4	3,186.91
4	114.31	4	456.72	4	799.13	4	1,141.05	4	1,483.48	4	1,825.90	4	2,168.32	4	2,510.74	4	2,852.60	4	3,194.01
1/4	121.44	1/4	463.85	1/4	806.26	1/4	1,148.19	1/4	1,490.61	1/4	1,833.03	1/4	2,175.45	1/4	2,517.88	1/4	2,859.72	1/4	3,201.11
1/2	128.57	1/2	470.98	1/2	813.40	1/2	1,155.32	1/2	1,497.74	1/2	1,840.17	1/2	2,182.59	1/2	2,525.01	1/2	2,866.83	1/2	3,208.21
3/4	135.71	3/4	478.12	3/4	820.53	3/4	1,162.46	3/4	1,504.88	3/4	1,847.30	3/4	2,189.72	3/4	2,532.15	3/4	2,873.95	3/4	3,215.31
5	142.84	5	485.25	5	827.66	5	1,169.59	5	1,512.01	5	1,854.43	5	2,196.86	5	2,539.28	5	2,881.07	5	3,222.41
1/4	149.97	1/4	492.39	1/4	834.79	1/4	1,176.72	1/4	1,519.15	1/4	1,861.57	1/4	2,203.99	1/4	2,546.42	1/4	2,888.18	1/4	3,229.50
1/2	157.11	1/2	499.52	1/2	841.92	1/2	1,183.86	1/2	1,526.28	1/2	1,868.70	1/2	2,211.12	1/2	2,553.55	1/2	2,895.30	1/2	3,236.60
3/4	164.24	3/4	506.65	3/4	849.05	3/4	1,190.99	3/4	1,533.41	3/4	1,875.84	3/4	2,218.26	3/4	2,560.69	3/4	2,902.41	3/4	3,243.70
6	171.37	6	513.79	6	856.18	6	1,198.12	6	1,540.55	6	1,882.97	6	2,225.39	6	2,567.82	6	2,909.53	6	3,250.80
1/4	178.51	1/4	520.92	1/4	863.30	1/4	1,205.26	1/4	1,547.68	1/4	1,890.10	1/4	2,232.53	1/4	2,574.96	1/4	2,916.64	1/4	3,257.90
1/2	185.64	1/2	528.05	1/2	870.42	1/2	1,212.39	1/2	1,554.81	1/2	1,897.24	1/2	2,239.66	1/2	2,582.09	1/2	2,923.76	1/2	3,265.00
3/4	192.77	3/4	535.19	3/4	877.53	3/4	1,219.53	3/4	1,561.95	3/4	1,904.37	3/4	2,246.79	3/4	2,589.23	3/4	2,930.87	3/4	3,272.09
7	199.91	7	542.32	7	884.65	7	1,226.66	7	1,569.08	7	1,911.50	7	2,253.93	7	2,596.36	7	2,937.99	7	3,279.19
1/4	207.04	1/4	549.45	1/4	891.77	1/4	1,233.79	1/4	1,576.22	1/4	1,918.64	1/4	2,261.06	1/4	2,603.50	1/4	2,945.11	1/4	3,286.29
1/2	214.18	1/2	556.59	1/2	898.89	1/2	1,240.93	1/2	1,583.35	1/2	1,925.77	1/2	2,268.19	1/2	2,610.63	1/2	2,952.22	1/2	3,293.39
3/4	221.31	3/4	563.72	3/4	906.01	3/4	1,248.06	3/4	1,590.48	3/4	1,932.91	3/4	2,275.33	3/4	2,617.77	3/4	2,959.34	3/4	3,300.49
8	228.44	8	570.86	8	913.13	8	1,255.19	8	1,597.62	8	1,940.04	8	2,282.46	8	2,624.90	8	2,966.45	8	3,307.59
1/4	235.58	1/4	577.99	1/4	920.25	1/4	1,262.33	1/4	1,604.75	1/4	1,947.17	1/4	2,289.60	1/4	2,632.02	1/4	2,973.57	1/4	3,314.68
1/2	242.71	1/2	585.12	1/2	927.37	1/2	1,269.46	1/2	1,611.88	1/2	1,954.31	1/2	2,296.73	1/2	2,639.13	1/2	2,980.68	1/2	3,321.78
3/4	249.84	3/4	592.26	3/4	934.49	3/4	1,276.60	3/4	1,619.02	3/4	1,961.44	3/4	2,303.86	3/4	2,646.25	3/4	2,987.80	3/4	3,328.88
9	256.98	9	599.39	9	941.61	9	1,283.73	9	1,626.15	9	1,968.57	9	2,311.00	9	2,653.37	9	2,994.91	9	3,335.98
1/4	264.11	1/4	606.52	1/4	948.73	1/4	1,290.86	1/4	1,633.29	1/4	1,975.71	1/4	2,318.13	1/4	2,660.48	1/4	3,002.03	1/4	3,343.08
1/2	271.24	1/2	613.66	1/2	955.85	1/2	1,298.00	1/2	1,640.42	1/2	1,982.84	1/2	2,325.26	1/2	2,667.60	1/2	3,009.15	1/2	3,350.18
3/4	278.38	3/4	620.79	3/4	962.97	3/4	1,305.13	3/4	1,647.55	3/4	1,989.98	3/4	2,332.40	3/4	2,674.71	3/4	3,016.26	3/4	3,357.27
10	285.51	10	627.92	10	970.09	10	1,312.27	10	1,654.69	10	1,997.11	10	2,339.53	10	2,681.83	10	3,023.38	10	3,364.37
1/4	292.64	1/4	635.06	1/4	977.21	1/4	1,319.40	1/4	1,661.82	1/4	2,004.24	1/4	2,346.67	1/4	2,688.94	1/4	3,030.49	1/4	3,368.71
1/2	299.78	1/2	642.19	1/2	984.33	1/2	1,326.53	1/2	1,668.96	1/2	2,011.38	1/2	2,353.80	1/2	2,696.06	1/2	3,037.61	1/2	3,373.05
3/4	306.91	3/4	649.32	3/4	991.45	3/4	1,333.67	3/4	1,676.09	3/4	2,018.51	3/4	2,360.93	3/4	2,703.18	3/4	3,044.72	3/4	3,377.39
11	314.05	11	656.46	11	998.57	11	1,340.80	11	1,683.22	11	2,025.65	11	2,368.07	11	2,710.29	11	3,051.84	11	3,381.73
1/4	321.18	1/4	663.59	1/4	1,005.69	1/4	1,347.93	1/4	1,690.36	1/4	2,032.78	1/4	2,375.20	1/4	2,717.41	1/4	3,058.96	1/4	3,386.07
1/2	328.31	1/2	670.73	1/2	1,012.81	1/2	1,355.07	1/2	1,697.49	1/2	2,039.91	1/2	2,382.34	1/2	2,724.52	1/2	3,066.07	1/2	3,390.41
3/4	335.45	3/4	677.86	3/4	1,019.93	3/4	1,362.20	3/4	1,704.62	3/4	2,047.05	3/4	2,389.47	3/4	2,731.64	3/4	3,073.19	3/4	3,394.75

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 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 3296"

3 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-04 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,399.09	0	3,609.09	0	3,819.10	0	4,028.72	0	4,237.81	0		0		0		0		0	
1/4	3,403.46	1/4	3,613.47	1/4	3,823.47	1/4	4,033.08	1/4	4,242.16	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,407.84	1/2	3,617.84	1/2	3,827.85	1/2	4,037.43	1/2	4,246.52	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,412.21	3/4	3,622.22	3/4	3,832.22	3/4	4,041.79	3/4	4,250.88	3/4		3/4	3/4	3/4		3/4		3/4	
1	3,416.59	1	3,626.59	1	3,836.60	1	4,046.14	1	4,255.23	1		1		1		1		1	
1/4	3,420.96	1/4	3,630.97	1/4	3,840.97	1/4	4,050.50	1/4	4,259.59	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,425.34	1/2	3,635.34	1/2	3,845.35	1/2	4,054.86	1/2	4,263.94	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,429.71	3/4	3,639.72	3/4	3,849.72	3/4	4,059.21	3/4	4,268.30	3/4		3/4	3/4	3/4		3/4		3/4	
2	3,434.09	2	3,644.09	2	3,854.10	2	4,063.57	2	4,272.66	2		2		2		2		2	
1/4	3,438.46	1/4	3,648.47	1/4	3,858.47	1/4	4,067.92	1/4	4,277.01	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,442.84	1/2	3,652.84	1/2	3,862.85	1/2	4,072.28	1/2	4,281.37	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,447.21	3/4	3,657.22	3/4	3,867.22	3/4	4,076.64	3/4	4,285.72	3/4		3/4	3/4	3/4		3/4		3/4	
3	3,451.59	3	3,661.59	3	3,871.60	3	4,080.99	3	4,290.08	3		3		3		3		3	
1/4	3,455.96	1/4	3,665.97	1/4	3,875.97	1/4	4,085.35	1/4	4,294.41	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,460.34	1/2	3,670.34	1/2	3,880.35	1/2	4,089.70	1/2	4,298.74	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,464.71	3/4	3,674.72	3/4	3,884.72	3/4	4,094.06	3/4	4,303.06	3/4		3/4	3/4	3/4		3/4		3/4	
4	3,469.09	4	3,679.09	4	3,889.10	4	4,098.42	4	4,307.39	4		4		4		4		4	
1/4	3,473.46	1/4	3,683.47	1/4	3,893.47	1/4	4,102.77	1/4	4,311.72	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,477.84	1/2	3,687.84	1/2	3,897.85	1/2	4,107.13	1/2	4,316.05	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,482.21	3/4	3,692.22	3/4	3,902.22	3/4	4,111.48	3/4	4,320.38	3/4		3/4	3/4	3/4		3/4		3/4	
5	3,486.59	5	3,696.59	5	3,906.60	5	4,115.84	5	4,324.71	5		5		5		5		5	
1/4	3,490.96	1/4	3,700.97	1/4	3,910.97	1/4	4,120.20	1/4	4,329.03	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,495.34	1/2	3,705.34	1/2	3,915.35	1/2	4,124.55	1/2	4,333.35	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,499.71	3/4	3,709.72	3/4	3,919.72	3/4	4,128.91	3/4	4,337.68	3/4		3/4	3/4	3/4		3/4		3/4	
6	3,504.09	6	3,714.09	6	3,924.10	6	4,133.26	6	4,342.00	6		6		6		6		6	
1/4	3,508.47	1/4	3,718.47	1/4	3,928.47	1/4	4,137.62	1/4	4,346.32	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,512.84	1/2	3,722.84	1/2	3,932.85	1/2	4,141.98	1/2	4,350.63	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,517.22	3/4	3,727.22	3/4	3,937.22	3/4	4,146.33	3/4	4,354.95	3/4		3/4	3/4	3/4		3/4		3/4	
7	3,521.59	7	3,731.60	7	3,941.60	7	4,150.69	7	4,359.26	7		7		7		7		7	
1/4	3,525.97	1/4	3,735.97	1/4	3,945.96	1/4	4,155.04	1/4	4,363.52	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,530.34	1/2	3,740.35	1/2	3,950.31	1/2	4,159.40	1/2	4,367.78	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,534.72	3/4	3,744.72	3/4	3,954.67	3/4	4,163.76	3/4	4,372.04	3/4		3/4	3/4	3/4		3/4		3/4	
8	3,539.09	8	3,749.10	8	3,959.02	8	4,168.11	8	4,376.30	8		8		8		8		8	
1/4	3,543.47	1/4	3,753.47	1/4	3,963.38	1/4	4,172.47	1/4	4,379.74	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,547.84	1/2	3,757.85	1/2	3,967.74	1/2	4,176.82	1/2	4,383.17	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,552.22	3/4	3,762.22	3/4	3,972.09	3/4	4,181.18	3/4	4,386.61	3/4		3/4	3/4	3/4		3/4		3/4	
9	3,556.59	9	3,766.60	9	3,976.45	9	4,185.54	9	4,390.05	9		9		9		9		9	
1/4	3,560.97	1/4	3,770.97	1/4	3,980.80	1/4	4,189.89	1/4	4,392.30	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,565.34	1/2	3,775.35	1/2	3,985.16	1/2	4,194.25	1/2	4,394.54	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,569.72	3/4	3,779.72	3/4	3,989.52	3/4	4,198.60	3/4	4,396.79	3/4		3/4	3/4	3/4		3/4		3/4	
10	3,574.09	10	3,784.10	10	3,993.87	10	4,202.96	10	4,399.04	10		10		10		10		10	
1/4	3,578.47	1/4	3,788.47	1/4	3,998.23	1/4	4,207.32	1/4	4,400.75	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,582.84	1/2	3,792.85	1/2	4,002.58	1/2	4,211.67	1/2	4,402.46	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,587.22	3/4	3,797.22	3/4	4,006.94	3/4	4,216.03	3/4	4,404.17	3/4		3/4	3/4	3/4		3/4		3/4	
11	3,591.59	11	3,801.60	11	4,011.30	11	4,220.38	11	4,405.88	11		11		11		11		11	
1/4	3,595.97	1/4	3,805.97	1/4	4,015.65	1/4	4,224.74	1/4		1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,600.34	1/2	3,810.35	1/2	4,020.01	1/2	4,229.10	1/2		1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,604.72	3/4	3,814.72	3/4	4,024.36	3/4	4,233.45	3/4		3/4		3/4	3/4	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

ULLAGE (HERMETIC)

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-03"

July 9, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>





BARGE "FMT 3296"

1 PORT 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	4,881.05	0	4,539.83	0	4,197.98	0	3,854.83	0	3,511.70	0	3,168.64	0	2,825.54	0	2,482.38
1/4		1/4		1/4	4,873.98	1/4	4,532.71	1/4	4,190.83	1/4	3,847.68	1/4	3,504.56	1/4	3,161.50	1/4	2,818.39	1/4	2,475.23
1/2		1/2		1/2	4,866.91	1/2	4,525.59	1/2	4,183.68	1/2	3,840.53	1/2	3,497.41	1/2	3,154.35	1/2	2,811.24	1/2	2,468.08
3/4		3/4		3/4	4,859.84	3/4	4,518.48	3/4	4,176.53	3/4	3,833.38	3/4	3,490.26	3/4	3,147.20	3/4	2,804.09	3/4	2,460.93
1		1		1	4,852.77	1	4,511.36	1	4,169.38	1	3,826.23	1	3,483.12	1	3,140.05	1	2,796.94	1	2,453.78
1/4		1/4		1/4	4,845.70	1/4	4,504.24	1/4	4,162.23	1/4	3,819.08	1/4	3,475.97	1/4	3,132.91	1/4	2,789.79	1/4	2,446.63
1/2		1/2		1/2	4,838.62	1/2	4,497.13	1/2	4,155.08	1/2	3,811.93	1/2	3,468.82	1/2	3,125.76	1/2	2,782.65	1/2	2,439.48
3/4		3/4		3/4	4,831.55	3/4	4,490.01	3/4	4,147.93	3/4	3,804.78	3/4	3,461.67	3/4	3,118.61	3/4	2,775.50	3/4	2,432.33
2		2		2	4,824.48	2	4,482.89	2	4,140.79	2	3,797.63	2	3,454.53	2	3,111.47	2	2,768.35	2	2,425.18
1/4		1/4		1/4	4,817.37	1/4	4,475.78	1/4	4,133.64	1/4	3,790.48	1/4	3,447.38	1/4	3,104.32	1/4	2,761.20	1/4	2,418.03
1/2		1/2		1/2	4,810.25	1/2	4,468.66	1/2	4,126.49	1/2	3,783.34	1/2	3,440.23	1/2	3,097.17	1/2	2,754.05	1/2	2,410.88
3/4		3/4		3/4	4,803.13	3/4	4,461.55	3/4	4,119.34	3/4	3,776.19	3/4	3,433.09	3/4	3,090.03	3/4	2,746.90	3/4	2,403.74
3		3		3	4,796.02	3	4,454.43	3	4,112.19	3	3,769.04	3	3,425.94	3	3,082.88	3	2,739.75	3	2,396.59
1/4		1/4		1/4	4,788.90	1/4	4,447.31	1/4	4,105.04	1/4	3,761.89	1/4	3,418.79	1/4	3,075.73	1/4	2,732.60	1/4	2,389.44
1/2		1/2		1/2	4,781.78	1/2	4,440.20	1/2	4,097.89	1/2	3,754.74	1/2	3,411.64	1/2	3,068.58	1/2	2,725.45	1/2	2,382.29
3/4		3/4		3/4	4,774.67	3/4	4,433.08	3/4	4,090.74	3/4	3,747.59	3/4	3,404.50	3/4	3,061.44	3/4	2,718.31	3/4	2,375.14
4		4		4	4,767.55	4	4,425.96	4	4,083.59	4	3,740.44	4	3,397.35	4	3,054.29	4	2,711.16	4	2,367.99
1/4		1/4		1/4	4,760.43	1/4	4,418.85	1/4	4,076.44	1/4	3,733.29	1/4	3,390.20	1/4	3,047.14	1/4	2,704.01	1/4	2,360.84
1/2		1/2		1/2	4,753.32	1/2	4,411.73	1/2	4,069.30	1/2	3,726.14	1/2	3,383.06	1/2	3,040.00	1/2	2,696.86	1/2	2,353.69
3/4		3/4		3/4	4,746.20	3/4	4,404.61	3/4	4,062.15	3/4	3,718.99	3/4	3,375.91	3/4	3,032.85	3/4	2,689.71	3/4	2,346.54
5		5		5	4,739.08	5	4,397.50	5	4,055.00	5	3,711.85	5	3,368.76	5	3,025.70	5	2,682.56	5	2,339.39
1/4		1/4		1/4	4,731.97	1/4	4,390.38	1/4	4,047.85	1/4	3,704.70	1/4	3,361.61	1/4	3,018.55	1/4	2,675.41	1/4	2,332.24
1/2		1/2		1/2	4,724.85	1/2	4,383.26	1/2	4,040.70	1/2	3,697.55	1/2	3,354.47	1/2	3,011.41	1/2	2,668.26	1/2	2,325.09
3/4		3/4		3/4	4,717.74	3/4	4,376.15	3/4	4,033.55	3/4	3,690.40	3/4	3,347.32	3/4	3,004.26	3/4	2,661.11	3/4	2,317.94
6		6	5,025.41	6	4,710.62	6	4,369.03	6	4,026.40	6	3,683.25	6	3,340.17	6	2,997.11	6	2,653.97	6	2,310.79
1/4		1/4	5,021.62	1/4	4,703.50	1/4	4,361.92	1/4	4,019.25	1/4	3,676.10	1/4	3,333.03	1/4	2,989.96	1/4	2,646.82	1/4	2,303.64
1/2		1/2	5,017.82	1/2	4,696.39	1/2	4,354.80	1/2	4,012.10	1/2	3,668.95	1/2	3,325.88	1/2	2,982.82	1/2	2,639.67	1/2	2,296.49
3/4		3/4	5,014.03	3/4	4,689.27	3/4	4,347.68	3/4	4,004.95	3/4	3,661.80	3/4	3,318.73	3/4	2,975.67	3/4	2,632.52	3/4	2,289.34
7		7	5,010.23	7	4,682.15	7	4,340.57	7	3,997.81	7	3,654.65	7	3,311.59	7	2,968.52	7	2,625.37	7	2,282.19
1/4		1/4	5,005.25	1/4	4,675.04	1/4	4,333.45	1/4	3,990.66	1/4	3,647.50	1/4	3,304.44	1/4	2,961.37	1/4	2,618.22	1/4	2,275.04
1/2		1/2	5,000.26	1/2	4,667.92	1/2	4,326.33	1/2	3,983.51	1/2	3,640.36	1/2	3,297.29	1/2	2,954.22	1/2	2,611.07	1/2	2,267.89
3/4		3/4	4,995.27	3/4	4,660.80	3/4	4,319.22	3/4	3,976.36	3/4	3,633.21	3/4	3,290.14	3/4	2,947.07	3/4	2,603.92	3/4	2,260.75
8		8	4,990.29	8	4,653.69	8	4,312.10	8	3,969.21	8	3,626.06	8	3,283.00	8	2,939.92	8	2,596.77	8	2,253.60
1/4		1/4	4,984.11	1/4	4,646.57	1/4	4,304.98	1/4	3,962.06	1/4	3,618.91	1/4	3,275.85	1/4	2,932.77	1/4	2,589.62	1/4	2,246.45
1/2		1/2	4,977.93	1/2	4,639.46	1/2	4,297.87	1/2	3,954.91	1/2	3,611.76	1/2	3,268.70	1/2	2,925.62	1/2	2,582.47	1/2	2,239.30
3/4		3/4	4,971.75	3/4	4,632.34	3/4	4,290.75	3/4	3,947.76	3/4	3,604.62	3/4	3,261.56	3/4	2,918.47	3/4	2,575.32	3/4	2,232.15
9		9	4,965.58	9	4,625.22	9	4,283.64	9	3,940.61	9	3,597.47	9	3,254.41	9	2,911.33	9	2,568.17	9	2,225.00
1/4		1/4	4,958.57	1/4	4,618.11	1/4	4,276.52	1/4	3,933.46	1/4	3,590.32	1/4	3,247.26	1/4	2,904.18	1/4	2,561.02	1/4	2,217.85
1/2		1/2	4,951.57	1/2	4,610.99	1/2	4,269.40	1/2	3,926.32	1/2	3,583.18	1/2	3,240.11	1/2	2,897.03	1/2	2,553.87	1/2	2,210.70
3/4		3/4	4,944.57	3/4	4,603.87	3/4	4,262.29	3/4	3,919.17	3/4	3,576.03	3/4	3,232.97	3/4	2,889.88	3/4	2,546.73	3/4	2,203.55
10		10	4,937.57	10	4,596.76	10	4,255.17	10	3,912.02	10	3,568.88	10	3,225.82	10	2,882.73	10	2,539.58	10	2,196.40
1/4		1/4	4,930.51	1/4	4,589.64	1/4	4,248.02	1/4	3,904.87	1/4	3,561.73	1/4	3,218.67	1/4	2,875.58	1/4	2,532.43	1/4	2,189.25
1/2		1/2	4,923.45	1/2	4,582.52	1/2	4,240.87	1/2	3,897.72	1/2	3,554.59	1/2	3,211.53	1/2	2,868.43	1/2	2,525.28	1/2	2,182.10
3/4		3/4	4,916.39	3/4	4,575.41	3/4	4,233.72	3/4	3,890.57	3/4	3,547.44	3/4	3,204.38	3/4	2,861.28	3/4	2,518.13	3/4	2,174.95
11		11	4,909.34	11	4,568.29	11	4,226.57	11	3,883.42	11	3,540.29	11	3,197.23	11	2,854.13	11	2,510.98	11	2,167.80
1/4		1/4	4,902.27	1/4	4,561.17	1/4	4,219.42	1/4	3,876.27	1/4	3,533.15	1/4	3,190.08	1/4	2,846.99	1/4	2,503.83	1/4	2,160.65
1/2		1/2	4,895.20	1/2	4,554.06	1/2	4,212.28	1/2	3,869.12	1/2	3,526.00	1/2	3,182.94	1/2	2,839.84	1/2	2,496.68	1/2	2,153.50
3/4		3/4	4,888.12	3/4	4,546.94	3/4	4,205.13	3/4	3,861.97	3/4	3,518.85	3/4	3,175.79	3/4	2,832.69	3/4	2,489.53	3/4	2,146.35

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

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

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



BARGE "FMT 3296"

1 PORT 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	2,139.20	0	1,796.03	0	1,452.85	0	1,109.68	0	768.99	0	426.68	0	115.59	0		0		0	
1/4	2,132.05	1/4	1,788.88	1/4	1,445.70	1/4	1,102.53	1/4	761.88	1/4	419.74	1/4	109.65	1/4	1/4	1/4		1/4	
1/2	2,124.90	1/2	1,781.73	1/2	1,438.55	1/2	1,095.38	1/2	754.76	1/2	412.80	1/2	103.71	1/2	1/2	1/2		1/2	
3/4	2,117.76	3/4	1,774.58	3/4	1,431.40	3/4	1,088.23	3/4	747.65	3/4	405.86	3/4	97.78	3/4	3/4	3/4		3/4	
1	2,110.61	1	1,767.43	1	1,424.25	1	1,081.08	1	740.53	1	398.91	1	91.84	1	1	1		1	
1/4	2,103.46	1/4	1,760.28	1/4	1,417.10	1/4	1,073.96	1/4	733.38	1/4	392.06	1/4	86.00	1/4	1/4	1/4		1/4	
1/2	2,096.31	1/2	1,753.13	1/2	1,409.95	1/2	1,066.85	1/2	726.23	1/2	385.20	1/2	80.15	1/2	1/2	1/2		1/2	
3/4	2,089.16	3/4	1,745.98	3/4	1,402.81	3/4	1,059.73	3/4	719.09	3/4	378.34	3/4	74.31	3/4	3/4	3/4		3/4	
2	2,082.01	2	1,738.83	2	1,395.66	2	1,052.62	2	711.94	2	371.49	2	68.47	2	2	2		2	
1/4	2,074.86	1/4	1,731.68	1/4	1,388.51	1/4	1,045.52	1/4	704.79	1/4	364.71	1/4	62.73	1/4	1/4	1/4		1/4	
1/2	2,067.71	1/2	1,724.53	1/2	1,381.36	1/2	1,038.42	1/2	697.64	1/2	357.94	1/2	57.00	1/2	1/2	1/2		1/2	
3/4	2,060.56	3/4	1,717.38	3/4	1,374.21	3/4	1,031.33	3/4	690.49	3/4	351.17	3/4	51.26	3/4	3/4	3/4		3/4	
3	2,053.41	3	1,710.23	3	1,367.06	3	1,024.23	3	683.34	3	344.39	3	45.53	3	3	3		3	
1/4	2,046.26	1/4	1,703.08	1/4	1,359.91	1/4	1,017.14	1/4	676.19	1/4	337.70	1/4	40.73	1/4	1/4	1/4		1/4	
1/2	2,039.11	1/2	1,695.93	1/2	1,352.76	1/2	1,010.05	1/2	669.04	1/2	331.01	1/2	35.94	1/2	1/2	1/2		1/2	
3/4	2,031.96	3/4	1,688.79	3/4	1,345.61	3/4	1,002.96	3/4	661.89	3/4	324.32	3/4	31.15	3/4	3/4	3/4		3/4	
4	2,024.81	4	1,681.64	4	1,338.46	4	995.87	4	654.74	4	317.63	4	26.36	4	4	4		4	
1/4	2,017.66	1/4	1,674.49	1/4	1,331.31	1/4	988.78	1/4	647.59	1/4	311.03	1/4	23.43	1/4	1/4	1/4		1/4	
1/2	2,010.51	1/2	1,667.34	1/2	1,324.16	1/2	981.69	1/2	640.44	1/2	304.42	1/2	20.51	1/2	1/2	1/2		1/2	
3/4	2,003.36	3/4	1,660.19	3/4	1,317.01	3/4	974.60	3/4	633.29	3/4	297.81	3/4	17.59	3/4	3/4	3/4		3/4	
5	1,996.21	5	1,653.04	5	1,309.86	5	967.52	5	626.15	5	291.21	5	14.67	5	5	5		5	
1/4	1,989.06	1/4	1,645.89	1/4	1,302.71	1/4	960.43	1/4	619.00	1/4	284.69	1/4		1/4	1/4	1/4		1/4	
1/2	1,981.91	1/2	1,638.74	1/2	1,295.56	1/2	953.34	1/2	611.85	1/2	278.16	1/2		1/2	1/2	1/2		1/2	
3/4	1,974.77	3/4	1,631.59	3/4	1,288.41	3/4	946.25	3/4	604.70	3/4	271.64	3/4		3/4	3/4	3/4		3/4	
6	1,967.62	6	1,624.44	6	1,281.26	6	939.16	6	597.55	6	265.12	6		6	6	6		6	
1/4	1,960.47	1/4	1,617.29	1/4	1,274.11	1/4	932.07	1/4	590.40	1/4	258.68	1/4		1/4	1/4	1/4		1/4	
1/2	1,953.32	1/2	1,610.14	1/2	1,266.96	1/2	924.98	1/2	583.25	1/2	252.24	1/2		1/2	1/2	1/2		1/2	
3/4	1,946.17	3/4	1,602.99	3/4	1,259.82	3/4	917.89	3/4	576.10	3/4	245.80	3/4		3/4	3/4	3/4		3/4	
7	1,939.02	7	1,595.84	7	1,252.67	7	910.80	7	568.95	7	239.36	7		7	7	7		7	
1/4	1,931.87	1/4	1,588.69	1/4	1,245.52	1/4	903.71	1/4	561.80	1/4	233.00	1/4		1/4	1/4	1/4		1/4	
1/2	1,924.72	1/2	1,581.54	1/2	1,238.37	1/2	896.63	1/2	554.65	1/2	226.65	1/2		1/2	1/2	1/2		1/2	
3/4	1,917.57	3/4	1,574.39	3/4	1,231.22	3/4	889.54	3/4	547.50	3/4	220.29	3/4		3/4	3/4	3/4		3/4	
8	1,910.42	8	1,567.24	8	1,224.07	8	882.45	8	540.36	8	213.94	8		8	8	8		8	
1/4	1,903.27	1/4	1,560.09	1/4	1,216.92	1/4	875.36	1/4	533.21	1/4	207.66	1/4		1/4	1/4	1/4		1/4	
1/2	1,896.12	1/2	1,552.94	1/2	1,209.77	1/2	868.27	1/2	526.06	1/2	201.39	1/2		1/2	1/2	1/2		1/2	
3/4	1,888.97	3/4	1,545.80	3/4	1,202.62	3/4	861.18	3/4	518.91	3/4	195.12	3/4		3/4	3/4	3/4		3/4	
9	1,881.82	9	1,538.65	9	1,195.47	9	854.09	9	511.76	9	188.85	9		9	9	9		9	
1/4	1,874.67	1/4	1,531.50	1/4	1,188.32	1/4	847.00	1/4	504.61	1/4	182.66	1/4		1/4	1/4	1/4		1/4	
1/2	1,867.52	1/2	1,524.35	1/2	1,181.17	1/2	839.92	1/2	497.46	1/2	176.47	1/2		1/2	1/2	1/2		1/2	
3/4	1,860.37	3/4	1,517.20	3/4	1,174.02	3/4	832.83	3/4	490.31	3/4	170.28	3/4		3/4	3/4	3/4		3/4	
10	1,853.22	10	1,510.05	10	1,166.87	10	825.74	10	483.16	10	164.09	10		10	10	10		10	
1/4	1,846.07	1/4	1,502.90	1/4	1,159.72	1/4	818.65	1/4	476.06	1/4	157.99	1/4		1/4	1/4	1/4		1/4	
1/2	1,838.92	1/2	1,495.75	1/2	1,152.57	1/2	811.56	1/2	468.96	1/2	151.88	1/2		1/2	1/2	1/2		1/2	
3/4	1,831.78	3/4	1,488.60	3/4	1,145.42	3/4	804.47	3/4	461.85	3/4	145.78	3/4		3/4	3/4	3/4		3/4	
11	1,824.63	11	1,481.45	11	1,138.27	11	797.38	11	454.75	11	139.67	11		11	11	11		11	
1/4	1,817.48	1/4	1,474.30	1/4	1,131.12	1/4	790.29	1/4	447.73	1/4	133.65	1/4		1/4	1/4	1/4		1/4	
1/2	1,810.33	1/2	1,467.15	1/2	1,123.97	1/2	783.19	1/2	440.71	1/2	127.63	1/2		1/2	1/2	1/2		1/2	
3/4	1,803.18	3/4	1,460.00	3/4	1,116.83	3/4	776.09	3/4	433.70	3/4	121.61	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

1 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	4,880.11	0	4,539.11	0	4,197.49	0	3,854.57	0	3,511.68	0	3,168.85	0	2,825.97	0	2,483.04
1/4		1/4		1/4	4,873.04	1/4	4,532.00	1/4	4,190.35	1/4	3,847.42	1/4	3,504.53	1/4	3,161.70	1/4	2,818.83	1/4	2,475.90
1/2		1/2		1/2	4,865.97	1/2	4,524.88	1/2	4,183.20	1/2	3,840.28	1/2	3,497.39	1/2	3,154.56	1/2	2,811.68	1/2	2,468.75
3/4		3/4		3/4	4,858.91	3/4	4,517.77	3/4	4,176.06	3/4	3,833.14	3/4	3,490.25	3/4	3,147.42	3/4	2,804.54	3/4	2,461.61
1		1		1	4,851.84	1	4,510.66	1	4,168.91	1	3,825.99	1	3,483.11	1	3,140.28	1	2,797.40	1	2,454.47
1/4		1/4		1/4	4,844.77	1/4	4,503.55	1/4	4,161.77	1/4	3,818.85	1/4	3,475.97	1/4	3,133.14	1/4	2,790.25	1/4	2,447.32
1/2		1/2		1/2	4,837.71	1/2	4,496.44	1/2	4,154.62	1/2	3,811.70	1/2	3,468.82	1/2	3,125.99	1/2	2,783.11	1/2	2,440.18
3/4		3/4		3/4	4,830.64	3/4	4,489.33	3/4	4,147.48	3/4	3,804.56	3/4	3,461.68	3/4	3,118.85	3/4	2,775.96	3/4	2,433.03
2		2		2	4,823.57	2	4,482.21	2	4,140.34	2	3,797.41	2	3,454.54	2	3,111.71	2	2,768.82	2	2,425.89
1/4		1/4		1/4	4,816.46	1/4	4,475.10	1/4	4,133.19	1/4	3,790.27	1/4	3,447.40	1/4	3,104.57	1/4	2,761.68	1/4	2,418.74
1/2		1/2		1/2	4,809.35	1/2	4,467.99	1/2	4,126.05	1/2	3,783.13	1/2	3,440.25	1/2	3,097.42	1/2	2,754.53	1/2	2,411.60
3/4		3/4		3/4	4,802.24	3/4	4,460.88	3/4	4,118.90	3/4	3,775.98	3/4	3,433.11	3/4	3,090.28	3/4	2,747.39	3/4	2,404.45
3		3		3	4,795.13	3	4,453.77	3	4,111.76	3	3,768.84	3	3,425.97	3	3,083.14	3	2,740.24	3	2,397.31
1/4		1/4		1/4	4,788.01	1/4	4,446.66	1/4	4,104.62	1/4	3,761.69	1/4	3,418.83	1/4	3,076.00	1/4	2,733.10	1/4	2,390.16
1/2		1/2		1/2	4,780.90	1/2	4,439.55	1/2	4,097.47	1/2	3,754.55	1/2	3,411.68	1/2	3,068.85	1/2	2,725.96	1/2	2,383.02
3/4		3/4		3/4	4,773.79	3/4	4,432.43	3/4	4,090.33	3/4	3,747.41	3/4	3,404.54	3/4	3,061.71	3/4	2,718.81	3/4	2,375.87
4		4		4	4,766.68	4	4,425.32	4	4,083.18	4	3,740.26	4	3,397.40	4	3,054.57	4	2,711.67	4	2,368.73
1/4		1/4		1/4	4,759.57	1/4	4,418.21	1/4	4,076.04	1/4	3,733.12	1/4	3,390.26	1/4	3,047.43	1/4	2,704.52	1/4	2,361.58
1/2		1/2		1/2	4,752.46	1/2	4,411.10	1/2	4,068.89	1/2	3,725.97	1/2	3,383.12	1/2	3,040.29	1/2	2,697.38	1/2	2,354.44
3/4		3/4		3/4	4,745.34	3/4	4,403.99	3/4	4,061.75	3/4	3,718.83	3/4	3,375.97	3/4	3,033.14	3/4	2,690.24	3/4	2,347.30
5		5		5	4,738.23	5	4,396.88	5	4,054.61	5	3,711.68	5	3,368.83	5	3,026.00	5	2,683.09	5	2,340.15
1/4		1/4		1/4	4,731.12	1/4	4,389.76	1/4	4,047.46	1/4	3,704.54	1/4	3,361.69	1/4	3,018.86	1/4	2,675.95	1/4	2,333.01
1/2		1/2		1/2	4,724.01	1/2	4,382.65	1/2	4,040.32	1/2	3,697.40	1/2	3,354.55	1/2	3,011.72	1/2	2,668.80	1/2	2,325.86
3/4		3/4		3/4	4,716.90	3/4	4,375.54	3/4	4,033.17	3/4	3,690.25	3/4	3,347.40	3/4	3,004.57	3/4	2,661.66	3/4	2,318.72
6		6	5,024.36	6	4,709.79	6	4,368.43	6	4,026.03	6	3,683.11	6	3,340.26	6	2,997.43	6	2,654.51	6	2,311.57
1/4		1/4	5,020.57	1/4	4,702.67	1/4	4,361.32	1/4	4,018.88	1/4	3,675.96	1/4	3,333.12	1/4	2,990.29	1/4	2,647.37	1/4	2,304.43
1/2		1/2	5,016.78	1/2	4,695.56	1/2	4,354.21	1/2	4,011.74	1/2	3,668.82	1/2	3,325.98	1/2	2,983.14	1/2	2,640.23	1/2	2,297.28
3/4		3/4	5,012.98	3/4	4,688.45	3/4	4,347.09	3/4	4,004.60	3/4	3,661.67	3/4	3,318.84	3/4	2,976.00	3/4	2,633.08	3/4	2,290.14
7		7	5,009.19	7	4,681.34	7	4,339.98	7	3,997.45	7	3,654.53	7	3,311.69	7	2,968.86	7	2,625.94	7	2,282.99
1/4		1/4	5,004.21	1/4	4,674.23	1/4	4,332.87	1/4	3,990.31	1/4	3,647.39	1/4	3,304.55	1/4	2,961.71	1/4	2,618.79	1/4	2,275.85
1/2		1/2	4,999.23	1/2	4,667.12	1/2	4,325.76	1/2	3,983.16	1/2	3,640.24	1/2	3,297.41	1/2	2,954.57	1/2	2,611.65	1/2	2,268.70
3/4		3/4	4,994.24	3/4	4,660.00	3/4	4,318.65	3/4	3,976.02	3/4	3,633.10	3/4	3,290.27	3/4	2,947.42	3/4	2,604.50	3/4	2,261.56
8		8	4,989.26	8	4,652.89	8	4,311.54	8	3,968.88	8	3,625.95	8	3,283.12	8	2,940.28	8	2,597.36	8	2,254.41
1/4		1/4	4,983.09	1/4	4,645.78	1/4	4,304.42	1/4	3,961.73	1/4	3,618.81	1/4	3,275.98	1/4	2,933.13	1/4	2,590.21	1/4	2,247.27
1/2		1/2	4,976.91	1/2	4,638.67	1/2	4,297.31	1/2	3,954.59	1/2	3,611.67	1/2	3,268.84	1/2	2,925.99	1/2	2,583.07	1/2	2,240.12
3/4		3/4	4,970.74	3/4	4,631.56	3/4	4,290.20	3/4	3,947.44	3/4	3,604.53	3/4	3,261.70	3/4	2,918.85	3/4	2,575.93	3/4	2,232.98
9		9	4,964.57	9	4,624.45	9	4,283.09	9	3,940.30	9	3,597.38	9	3,254.55	9	2,911.70	9	2,568.78	9	2,225.84
1/4		1/4	4,957.57	1/4	4,617.34	1/4	4,275.98	1/4	3,933.15	1/4	3,590.24	1/4	3,247.41	1/4	2,904.56	1/4	2,561.64	1/4	2,218.69
1/2		1/2	4,950.57	1/2	4,610.22	1/2	4,268.87	1/2	3,926.01	1/2	3,583.10	1/2	3,240.27	1/2	2,897.41	1/2	2,554.49	1/2	2,211.55
3/4		3/4	4,943.57	3/4	4,603.11	3/4	4,261.76	3/4	3,918.87	3/4	3,575.96	3/4	3,233.13	3/4	2,890.27	3/4	2,547.35	3/4	2,204.40
10		10	4,936.58	10	4,596.00	10	4,254.64	10	3,911.72	10	3,568.82	10	3,225.99	10	2,883.13	10	2,540.20	10	2,197.26
1/4		1/4	4,929.52	1/4	4,588.89	1/4	4,247.50	1/4	3,904.58	1/4	3,561.67	1/4	3,218.84	1/4	2,875.98	1/4	2,533.06	1/4	2,190.11
1/2		1/2	4,922.47	1/2	4,581.78	1/2	4,240.36	1/2	3,897.43	1/2	3,554.53	1/2	3,211.70	1/2	2,868.84	1/2	2,525.91	1/2	2,182.97
3/4		3/4	4,915.42	3/4	4,574.67	3/4	4,233.21	3/4	3,890.29	3/4	3,547.39	3/4	3,204.56	3/4	2,861.69	3/4	2,518.77	3/4	2,175.82
11		11	4,908.37	11	4,567.55	11	4,226.07	11	3,883.15	11	3,540.25	11	3,197.42	11	2,854.55	11	2,511.62	11	2,168.68
1/4		1/4	4,901.30	1/4	4,560.44	1/4	4,218.92	1/4	3,876.00	1/4	3,533.10	1/4	3,190.27	1/4	2,847.41	1/4	2,504.48	1/4	2,161.53
1/2		1/2	4,894.24	1/2	4,553.33	1/2	4,211.78	1/2	3,868.86	1/2	3,525.96	1/2	3,183.13	1/2	2,840.26	1/2	2,497.33	1/2	2,154.39
3/4		3/4	4,887.17	3/4	4,546.22	3/4	4,204.63	3/4	3,861.71	3/4	3,518.82	3/4	3,175.99	3/4	2,833.12	3/4	2,490.19	3/4	2,147.24

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "FMT 3296"

1 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	2,140.10	0	1,797.15	0	1,454.21	0	1,111.26	0	768.61	0	426.34	0	115.49	0		0		0	
1/4	2,132.95	1/4	1,790.01	1/4	1,447.06	1/4	1,104.12	1/4	761.46	1/4	419.41	1/4	109.56	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,125.81	1/2	1,782.86	1/2	1,439.92	1/2	1,096.97	1/2	754.32	1/2	412.47	1/2	103.63	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,118.66	3/4	1,775.72	3/4	1,432.77	3/4	1,089.83	3/4	747.17	3/4	405.54	3/4	97.70	3/4	3/4	3/4	3/4	3/4	3/4
1	2,111.52	1	1,768.57	1	1,425.63	1	1,082.68	1	740.03	1	398.60	1	91.76	1	1	1	1	1	1
1/4	2,104.38	1/4	1,761.43	1/4	1,418.48	1/4	1,075.54	1/4	732.89	1/4	391.75	1/4	85.93	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,097.23	1/2	1,754.28	1/2	1,411.34	1/2	1,068.39	1/2	725.74	1/2	384.90	1/2	80.09	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,090.09	3/4	1,747.14	3/4	1,404.19	3/4	1,061.25	3/4	718.60	3/4	378.05	3/4	74.25	3/4	3/4	3/4	3/4	3/4	3/4
2	2,082.94	2	1,740.00	2	1,397.05	2	1,054.10	2	711.45	2	371.19	2	68.41	2	2	2	2	2	2
1/4	2,075.80	1/4	1,732.85	1/4	1,389.91	1/4	1,046.96	1/4	704.31	1/4	364.43	1/4	62.68	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,068.65	1/2	1,725.71	1/2	1,382.76	1/2	1,039.82	1/2	697.16	1/2	357.66	1/2	56.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,061.51	3/4	1,718.56	3/4	1,375.62	3/4	1,032.67	3/4	690.02	3/4	350.89	3/4	51.22	3/4	3/4	3/4	3/4	3/4	3/4
3	2,054.36	3	1,711.42	3	1,368.47	3	1,025.53	3	682.87	3	344.12	3	45.49	3	3	3	3	3	3
1/4	2,047.22	1/4	1,704.27	1/4	1,361.33	1/4	1,018.39	1/4	675.73	1/4	337.43	1/4	40.70	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,040.07	1/2	1,697.13	1/2	1,354.18	1/2	1,011.26	1/2	668.59	1/2	330.75	1/2	35.91	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,032.93	3/4	1,689.98	3/4	1,347.04	3/4	1,004.12	3/4	661.44	3/4	324.06	3/4	31.13	3/4	3/4	3/4	3/4	3/4	3/4
4	2,025.78	4	1,682.84	4	1,339.89	4	996.98	4	654.30	4	317.38	4	26.34	4	4	4	4	4	4
1/4	2,018.64	1/4	1,675.69	1/4	1,332.75	1/4	989.85	1/4	647.15	1/4	310.78	1/4	23.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,011.49	1/2	1,668.55	1/2	1,325.60	1/2	982.71	1/2	640.01	1/2	304.18	1/2	20.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,004.35	3/4	1,661.40	3/4	1,318.46	3/4	975.58	3/4	632.86	3/4	297.58	3/4	17.58	3/4	3/4	3/4	3/4	3/4	3/4
5	1,997.20	5	1,654.26	5	1,311.31	5	968.44	5	625.72	5	290.97	5	14.66	5	5	5	5	5	5
1/4	1,990.06	1/4	1,647.11	1/4	1,304.17	1/4	961.31	1/4	618.58	1/4	284.46	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,982.92	1/2	1,639.97	1/2	1,297.02	1/2	954.17	1/2	611.43	1/2	277.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,975.77	3/4	1,632.83	3/4	1,289.88	3/4	947.03	3/4	604.29	3/4	271.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,968.63	6	1,625.68	6	1,282.73	6	939.90	6	597.14	6	264.90	6		6	6	6	6	6	6
1/4	1,961.48	1/4	1,618.54	1/4	1,275.59	1/4	932.76	1/4	590.00	1/4	258.47	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,954.34	1/2	1,611.39	1/2	1,268.45	1/2	925.63	1/2	582.85	1/2	252.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,947.19	3/4	1,604.25	3/4	1,261.30	3/4	918.49	3/4	575.71	3/4	245.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,940.05	7	1,597.10	7	1,254.16	7	911.36	7	568.56	7	239.17	7		7	7	7	7	7	7
1/4	1,932.90	1/4	1,589.96	1/4	1,247.01	1/4	904.22	1/4	561.42	1/4	232.81	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,925.76	1/2	1,582.81	1/2	1,239.87	1/2	897.08	1/2	554.28	1/2	226.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,918.61	3/4	1,575.67	3/4	1,232.72	3/4	889.95	3/4	547.13	3/4	220.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,911.47	8	1,568.52	8	1,225.58	8	882.81	8	539.99	8	213.76	8		8	8	8	8	8	8
1/4	1,904.32	1/4	1,561.38	1/4	1,218.43	1/4	875.68	1/4	532.84	1/4	207.50	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,897.18	1/2	1,554.23	1/2	1,211.29	1/2	868.54	1/2	525.70	1/2	201.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,890.03	3/4	1,547.09	3/4	1,204.14	3/4	861.41	3/4	518.55	3/4	194.96	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,882.89	9	1,539.94	9	1,197.00	9	854.27	9	511.41	9	188.69	9		9	9	9	9	9	9
1/4	1,875.74	1/4	1,532.80	1/4	1,189.85	1/4	847.13	1/4	504.26	1/4	182.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,868.60	1/2	1,525.65	1/2	1,182.71	1/2	840.00	1/2	497.12	1/2	176.33	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,861.46	3/4	1,518.51	3/4	1,175.56	3/4	832.86	3/4	489.98	3/4	170.14	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,854.31	10	1,511.37	10	1,168.42	10	825.73	10	482.83	10	163.96	10		10	10	10	10	10	10
1/4	1,847.17	1/4	1,504.22	1/4	1,161.27	1/4	818.59	1/4	475.73	1/4	157.86	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,840.02	1/2	1,497.08	1/2	1,154.13	1/2	811.46	1/2	468.63	1/2	151.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,832.88	3/4	1,489.93	3/4	1,146.99	3/4	804.32	3/4	461.52	3/4	145.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,825.73	11	1,482.79	11	1,139.84	11	797.18	11	454.42	11	139.56	11		11	11	11	11	11	11
1/4	1,818.59	1/4	1,475.64	1/4	1,132.70	1/4	790.04	1/4	447.40	1/4	133.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,811.44	1/2	1,468.50	1/2	1,125.55	1/2	782.90	1/2	440.38	1/2	127.52	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,804.30	3/4	1,461.35	3/4	1,118.41	3/4	775.75	3/4	433.36	3/4	121.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

2 PORT 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	4,936.48	0	4,594.83	0	4,252.56	0	3,908.99	0	3,565.42	0	3,221.84	0	2,878.22	0	2,534.54
1/4		1/4		1/4	4,929.40	1/4	4,587.71	1/4	4,245.41	1/4	3,901.83	1/4	3,558.26	1/4	3,214.68	1/4	2,871.06	1/4	2,527.38
1/2		1/2		1/2	4,922.32	1/2	4,580.58	1/2	4,238.25	1/2	3,894.67	1/2	3,551.10	1/2	3,207.53	1/2	2,863.90	1/2	2,520.22
3/4		3/4		3/4	4,915.24	3/4	4,573.46	3/4	4,231.09	3/4	3,887.52	3/4	3,543.94	3/4	3,200.37	3/4	2,856.74	3/4	2,513.06
1		1		1	4,908.16	1	4,566.33	1	4,223.93	1	3,880.36	1	3,536.78	1	3,193.21	1	2,849.58	1	2,505.90
1/4		1/4		1/4	4,901.08	1/4	4,559.21	1/4	4,216.78	1/4	3,873.20	1/4	3,529.63	1/4	3,186.05	1/4	2,842.42	1/4	2,498.74
1/2		1/2		1/2	4,894.00	1/2	4,552.08	1/2	4,209.62	1/2	3,866.04	1/2	3,522.47	1/2	3,178.89	1/2	2,835.26	1/2	2,491.58
3/4		3/4		3/4	4,886.92	3/4	4,544.96	3/4	4,202.46	3/4	3,858.89	3/4	3,515.31	3/4	3,171.74	3/4	2,828.10	3/4	2,484.42
2		2		2	4,879.84	2	4,537.83	2	4,195.30	2	3,851.73	2	3,508.15	2	3,164.58	2	2,820.94	2	2,477.26
1/4		1/4		1/4	4,872.71	1/4	4,530.71	1/4	4,188.14	1/4	3,844.57	1/4	3,501.00	1/4	3,157.42	1/4	2,813.78	1/4	2,470.10
1/2		1/2		1/2	4,865.59	1/2	4,523.58	1/2	4,180.99	1/2	3,837.41	1/2	3,493.84	1/2	3,150.26	1/2	2,806.62	1/2	2,462.94
3/4		3/4		3/4	4,858.46	3/4	4,516.46	3/4	4,173.83	3/4	3,830.25	3/4	3,486.68	3/4	3,143.11	3/4	2,799.46	3/4	2,455.78
3		3		3	4,851.33	3	4,509.33	3	4,166.67	3	3,823.10	3	3,479.52	3	3,135.95	3	2,792.30	3	2,448.62
1/4		1/4		1/4	4,844.21	1/4	4,502.20	1/4	4,159.51	1/4	3,815.94	1/4	3,472.36	1/4	3,128.79	1/4	2,785.14	1/4	2,441.46
1/2		1/2		1/2	4,837.08	1/2	4,495.08	1/2	4,152.36	1/2	3,808.78	1/2	3,465.21	1/2	3,121.63	1/2	2,777.98	1/2	2,434.30
3/4		3/4		3/4	4,829.96	3/4	4,487.95	3/4	4,145.20	3/4	3,801.62	3/4	3,458.05	3/4	3,114.47	3/4	2,770.82	3/4	2,427.14
4		4		4	4,822.83	4	4,480.83	4	4,138.04	4	3,794.47	4	3,450.89	4	3,107.32	4	2,763.66	4	2,419.98
1/4		1/4		1/4	4,815.71	1/4	4,473.70	1/4	4,130.88	1/4	3,787.31	1/4	3,443.73	1/4	3,100.16	1/4	2,756.50	1/4	2,412.82
1/2		1/2		1/2	4,808.58	1/2	4,466.58	1/2	4,123.72	1/2	3,780.15	1/2	3,436.58	1/2	3,093.00	1/2	2,749.34	1/2	2,405.66
3/4		3/4		3/4	4,801.46	3/4	4,459.45	3/4	4,116.57	3/4	3,772.99	3/4	3,429.42	3/4	3,085.84	3/4	2,742.18	3/4	2,398.50
5		5		5	4,794.33	5	4,452.33	5	4,109.41	5	3,765.83	5	3,422.26	5	3,078.69	5	2,735.02	5	2,391.34
1/4		1/4		1/4	4,787.21	1/4	4,445.20	1/4	4,102.25	1/4	3,758.68	1/4	3,415.10	1/4	3,071.53	1/4	2,727.86	1/4	2,384.18
1/2		1/2		1/2	4,780.08	1/2	4,438.08	1/2	4,095.09	1/2	3,751.52	1/2	3,407.94	1/2	3,064.37	1/2	2,720.70	1/2	2,377.02
3/4		3/4		3/4	4,772.96	3/4	4,430.95	3/4	4,087.94	3/4	3,744.36	3/4	3,400.79	3/4	3,057.21	3/4	2,713.54	3/4	2,369.86
6		6	5,081.00	6	4,765.83	6	4,423.83	6	4,080.78	6	3,737.20	6	3,393.63	6	3,050.05	6	2,706.38	6	2,362.70
1/4		1/4	5,077.20	1/4	4,758.71	1/4	4,416.70	1/4	4,073.62	1/4	3,730.05	1/4	3,386.47	1/4	3,042.89	1/4	2,699.22	1/4	2,355.54
1/2		1/2	5,073.40	1/2	4,751.58	1/2	4,409.58	1/2	4,066.46	1/2	3,722.89	1/2	3,379.31	1/2	3,035.73	1/2	2,692.06	1/2	2,348.38
3/4		3/4	5,069.60	3/4	4,744.46	3/4	4,402.45	3/4	4,059.30	3/4	3,715.73	3/4	3,372.16	3/4	3,028.57	3/4	2,684.90	3/4	2,341.22
7		7	5,065.81	7	4,737.33	7	4,395.33	7	4,052.15	7	3,708.57	7	3,365.00	7	3,021.41	7	2,677.74	7	2,334.06
1/4		1/4	5,060.81	1/4	4,730.21	1/4	4,388.20	1/4	4,044.99	1/4	3,701.41	1/4	3,357.84	1/4	3,014.25	1/4	2,670.58	1/4	2,326.90
1/2		1/2	5,055.82	1/2	4,723.08	1/2	4,381.08	1/2	4,037.83	1/2	3,694.26	1/2	3,350.68	1/2	3,007.09	1/2	2,663.42	1/2	2,319.74
3/4		3/4	5,050.83	3/4	4,715.96	3/4	4,373.95	3/4	4,030.67	3/4	3,687.10	3/4	3,343.52	3/4	2,999.94	3/4	2,656.26	3/4	2,312.58
8		8	5,045.84	8	4,708.83	8	4,366.83	8	4,023.52	8	3,679.94	8	3,336.37	8	2,992.78	8	2,649.10	8	2,305.42
1/4		1/4	5,039.65	1/4	4,701.71	1/4	4,359.70	1/4	4,016.36	1/4	3,672.78	1/4	3,329.21	1/4	2,985.62	1/4	2,641.94	1/4	2,298.26
1/2		1/2	5,033.47	1/2	4,694.58	1/2	4,352.58	1/2	4,009.20	1/2	3,665.63	1/2	3,322.05	1/2	2,978.46	1/2	2,634.78	1/2	2,291.10
3/4		3/4	5,027.28	3/4	4,687.46	3/4	4,345.45	3/4	4,002.04	3/4	3,658.47	3/4	3,314.89	3/4	2,971.30	3/4	2,627.62	3/4	2,283.95
9		9	5,021.10	9	4,680.33	9	4,338.33	9	3,994.88	9	3,651.31	9	3,307.74	9	2,964.14	9	2,620.46	9	2,276.79
1/4		1/4	5,014.09	1/4	4,673.21	1/4	4,331.20	1/4	3,987.73	1/4	3,644.15	1/4	3,300.58	1/4	2,956.98	1/4	2,613.30	1/4	2,269.63
1/2		1/2	5,007.07	1/2	4,666.08	1/2	4,324.08	1/2	3,980.57	1/2	3,636.99	1/2	3,293.42	1/2	2,949.82	1/2	2,606.14	1/2	2,262.47
3/4		3/4	5,000.06	3/4	4,658.96	3/4	4,316.95	3/4	3,973.41	3/4	3,629.84	3/4	3,286.26	3/4	2,942.66	3/4	2,598.98	3/4	2,255.31
10		10	4,993.05	10	4,651.83	10	4,309.83	10	3,966.25	10	3,622.68	10	3,279.10	10	2,935.50	10	2,591.82	10	2,248.15
1/4		1/4	4,985.99	1/4	4,644.71	1/4	4,302.67	1/4	3,959.09	1/4	3,615.52	1/4	3,271.95	1/4	2,928.34	1/4	2,584.66	1/4	2,240.99
1/2		1/2	4,978.92	1/2	4,637.58	1/2	4,295.51	1/2	3,951.94	1/2	3,608.36	1/2	3,264.79	1/2	2,921.18	1/2	2,577.50	1/2	2,233.83
3/4		3/4	4,971.85	3/4	4,630.46	3/4	4,288.35	3/4	3,944.78	3/4	3,601.20	3/4	3,257.63	3/4	2,914.02	3/4	2,570.34	3/4	2,226.67
11		11	4,964.79	11	4,623.33	11	4,281.20	11	3,937.62	11	3,594.05	11	3,250.47	11	2,906.86	11	2,563.18	11	2,219.51
1/4		1/4	4,957.71	1/4	4,616.21	1/4	4,274.04	1/4	3,930.46	1/4	3,586.89	1/4	3,243.31	1/4	2,899.70	1/4	2,556.02	1/4	2,212.35
1/2		1/2	4,950.63	1/2	4,609.08	1/2	4,266.88	1/2	3,923.31	1/2	3,579.73	1/2	3,236.16	1/2	2,892.54	1/2	2,548.86	1/2	2,205.19
3/4		3/4	4,943.56	3/4	4,601.96	3/4	4,259.72	3/4	3,916.15	3/4	3,572.57	3/4	3,229.00	3/4	2,885.38	3/4	2,541.70	3/4	2,198.03

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 3296"

2 PORT 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	2,190.87	0	1,847.19	0	1,503.52	0	1,159.84	0	829.55	0	487.02	0	143.36	0		0		0	
1/4	2,183.71	1/4	1,840.03	1/4	1,496.36	1/4	1,152.68	1/4	822.68	1/4	479.86	1/4	136.20	1/4	1/4	1/4		1/4	
1/2	2,176.55	1/2	1,832.87	1/2	1,489.20	1/2	1,145.52	1/2	815.80	1/2	472.70	1/2	129.04	1/2	1/2	1/2		1/2	
3/4	2,169.39	3/4	1,825.71	3/4	1,482.04	3/4	1,138.36	3/4	808.92	3/4	465.54	3/4	121.89	3/4	3/4	3/4		3/4	
1	2,162.23	1	1,818.55	1	1,474.88	1	1,131.20	1	802.04	1	458.38	1	114.73	1	1	1		1	
1/4	2,155.07	1/4	1,811.39	1/4	1,467.72	1/4	1,124.32	1/4	794.88	1/4	451.22	1/4	107.58	1/4	1/4	1/4		1/4	
1/2	2,147.91	1/2	1,804.23	1/2	1,460.56	1/2	1,117.45	1/2	787.72	1/2	444.06	1/2	100.43	1/2	1/2	1/2		1/2	
3/4	2,140.75	3/4	1,797.07	3/4	1,453.40	3/4	1,110.57	3/4	780.56	3/4	436.90	3/4	93.28	3/4	3/4	3/4		3/4	
2	2,133.59	2	1,789.91	2	1,446.24	2	1,103.69	2	773.41	2	429.74	2	86.13	2	2	2		2	
1/4	2,126.43	1/4	1,782.75	1/4	1,439.08	1/4	1,096.83	1/4	766.25	1/4	422.58	1/4	79.01	1/4	1/4	1/4		1/4	
1/2	2,119.27	1/2	1,775.59	1/2	1,431.92	1/2	1,089.97	1/2	759.09	1/2	415.43	1/2	71.88	1/2	1/2	1/2		1/2	
3/4	2,112.11	3/4	1,768.43	3/4	1,424.76	3/4	1,083.11	3/4	751.93	3/4	408.27	3/4	64.76	3/4	3/4	3/4		3/4	
3	2,104.95	3	1,761.27	3	1,417.60	3	1,076.25	3	744.77	3	401.11	3	57.64	3	3	3		3	
1/4	2,097.79	1/4	1,754.11	1/4	1,410.44	1/4	1,069.40	1/4	737.61	1/4	393.95	1/4	51.37	1/4	1/4	1/4		1/4	
1/2	2,090.63	1/2	1,746.95	1/2	1,403.28	1/2	1,062.55	1/2	730.45	1/2	386.79	1/2	45.11	1/2	1/2	1/2		1/2	
3/4	2,083.47	3/4	1,739.79	3/4	1,396.12	3/4	1,055.70	3/4	723.29	3/4	379.63	3/4	38.85	3/4	3/4	3/4		3/4	
4	2,076.31	4	1,732.63	4	1,388.96	4	1,048.84	4	716.13	4	372.47	4	32.58	4	4	4		4	
1/4	2,069.15	1/4	1,725.47	1/4	1,381.80	1/4	1,041.99	1/4	708.97	1/4	365.31	1/4	28.11	1/4	1/4	1/4		1/4	
1/2	2,061.99	1/2	1,718.31	1/2	1,374.64	1/2	1,035.14	1/2	701.81	1/2	358.15	1/2	23.64	1/2	1/2	1/2		1/2	
3/4	2,054.83	3/4	1,711.15	3/4	1,367.48	3/4	1,028.29	3/4	694.65	3/4	350.99	3/4	19.16	3/4	3/4	3/4		3/4	
5	2,047.67	5	1,703.99	5	1,360.32	5	1,021.44	5	687.49	5	343.83	5	14.69	5	5	5		5	
1/4	2,040.51	1/4	1,696.83	1/4	1,353.16	1/4	1,014.58	1/4	680.33	1/4	336.67	1/4		1/4	1/4	1/4		1/4	
1/2	2,033.35	1/2	1,689.67	1/2	1,346.00	1/2	1,007.73	1/2	673.17	1/2	329.51	1/2		1/2	1/2	1/2		1/2	
3/4	2,026.19	3/4	1,682.51	3/4	1,338.84	3/4	1,000.88	3/4	666.01	3/4	322.35	3/4		3/4	3/4	3/4		3/4	
6	2,019.03	6	1,675.35	6	1,331.68	6	994.03	6	658.85	6	315.19	6		6	6	6		6	
1/4	2,011.87	1/4	1,668.19	1/4	1,324.52	1/4	987.18	1/4	651.69	1/4	308.03	1/4		1/4	1/4	1/4		1/4	
1/2	2,004.71	1/2	1,661.03	1/2	1,317.36	1/2	980.32	1/2	644.53	1/2	300.87	1/2		1/2	1/2	1/2		1/2	
3/4	1,997.55	3/4	1,653.87	3/4	1,310.20	3/4	973.47	3/4	637.37	3/4	293.71	3/4		3/4	3/4	3/4		3/4	
7	1,990.39	7	1,646.71	7	1,303.04	7	966.62	7	630.21	7	286.55	7		7	7	7		7	
1/4	1,983.23	1/4	1,639.55	1/4	1,295.88	1/4	959.77	1/4	623.05	1/4	279.39	1/4		1/4	1/4	1/4		1/4	
1/2	1,976.07	1/2	1,632.39	1/2	1,288.72	1/2	952.92	1/2	615.89	1/2	272.23	1/2		1/2	1/2	1/2		1/2	
3/4	1,968.91	3/4	1,625.23	3/4	1,281.56	3/4	946.07	3/4	608.73	3/4	265.07	3/4		3/4	3/4	3/4		3/4	
8	1,961.75	8	1,618.07	8	1,274.40	8	939.21	8	601.57	8	257.91	8		8	8	8		8	
1/4	1,954.59	1/4	1,610.91	1/4	1,267.24	1/4	932.36	1/4	594.42	1/4	250.75	1/4		1/4	1/4	1/4		1/4	
1/2	1,947.43	1/2	1,603.75	1/2	1,260.08	1/2	925.51	1/2	587.26	1/2	243.59	1/2		1/2	1/2	1/2		1/2	
3/4	1,940.27	3/4	1,596.59	3/4	1,252.92	3/4	918.66	3/4	580.10	3/4	236.44	3/4		3/4	3/4	3/4		3/4	
9	1,933.11	9	1,589.43	9	1,245.76	9	911.81	9	572.94	9	229.28	9		9	9	9		9	
1/4	1,925.95	1/4	1,582.27	1/4	1,238.60	1/4	904.96	1/4	565.78	1/4	222.12	1/4		1/4	1/4	1/4		1/4	
1/2	1,918.79	1/2	1,575.11	1/2	1,231.44	1/2	898.10	1/2	558.62	1/2	214.96	1/2		1/2	1/2	1/2		1/2	
3/4	1,911.63	3/4	1,567.96	3/4	1,224.28	3/4	891.25	3/4	551.46	3/4	207.80	3/4		3/4	3/4	3/4		3/4	
10	1,904.47	10	1,560.80	10	1,217.12	10	884.40	10	544.30	10	200.64	10		10	10	10		10	
1/4	1,897.31	1/4	1,553.64	1/4	1,209.96	1/4	877.55	1/4	537.14	1/4	193.48	1/4		1/4	1/4	1/4		1/4	
1/2	1,890.15	1/2	1,546.48	1/2	1,202.80	1/2	870.70	1/2	529.98	1/2	186.32	1/2		1/2	1/2	1/2		1/2	
3/4	1,882.99	3/4	1,539.32	3/4	1,195.64	3/4	863.84	3/4	522.82	3/4	179.16	3/4		3/4	3/4	3/4		3/4	
11	1,875.83	11	1,532.16	11	1,188.48	11	856.99	11	515.66	11	172.00	11		11	11	11		11	
1/4	1,868.67	1/4	1,525.00	1/4	1,181.32	1/4	850.13	1/4	508.50	1/4	164.84	1/4		1/4	1/4	1/4		1/4	
1/2	1,861.51	1/2	1,517.84	1/2	1,174.16	1/2	843.27	1/2	501.34	1/2	157.68	1/2		1/2	1/2	1/2		1/2	
3/4	1,854.35	3/4	1,510.68	3/4	1,167.00	3/4	836.41	3/4	494.18	3/4	150.52	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

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	4,943.94	0	4,602.68	0	4,260.79	0	3,917.59	0	3,574.43	0	3,231.34	0	2,888.19	0	2,545.00
1/4		1/4		1/4	4,936.87	1/4	4,595.56	1/4	4,253.64	1/4	3,910.44	1/4	3,567.28	1/4	3,224.19	1/4	2,881.04	1/4	2,537.85
1/2		1/2		1/2	4,929.80	1/2	4,588.44	1/2	4,246.49	1/2	3,903.29	1/2	3,560.14	1/2	3,217.04	1/2	2,873.89	1/2	2,530.70
3/4		3/4		3/4	4,922.72	3/4	4,581.32	3/4	4,239.34	3/4	3,896.14	3/4	3,552.99	3/4	3,209.89	3/4	2,866.74	3/4	2,523.55
1		1		1	4,915.65	1	4,574.21	1	4,232.19	1	3,888.99	1	3,545.84	1	3,202.75	1	2,859.59	1	2,516.40
1/4		1/4		1/4	4,908.58	1/4	4,567.09	1/4	4,225.04	1/4	3,881.84	1/4	3,538.69	1/4	3,195.60	1/4	2,852.44	1/4	2,509.25
1/2		1/2		1/2	4,901.51	1/2	4,559.97	1/2	4,217.89	1/2	3,874.69	1/2	3,531.55	1/2	3,188.45	1/2	2,845.29	1/2	2,502.10
3/4		3/4		3/4	4,894.44	3/4	4,552.86	3/4	4,210.74	3/4	3,867.54	3/4	3,524.40	3/4	3,181.30	3/4	2,838.14	3/4	2,494.95
2		2		2	4,887.36	2	4,545.74	2	4,203.59	2	3,860.39	2	3,517.25	2	3,174.16	2	2,830.99	2	2,487.80
1/4		1/4		1/4	4,880.25	1/4	4,538.62	1/4	4,196.44	1/4	3,853.24	1/4	3,510.10	1/4	3,167.01	1/4	2,823.84	1/4	2,480.65
1/2		1/2		1/2	4,873.13	1/2	4,531.50	1/2	4,189.29	1/2	3,846.09	1/2	3,502.95	1/2	3,159.86	1/2	2,816.69	1/2	2,473.50
3/4		3/4		3/4	4,866.01	3/4	4,524.39	3/4	4,182.14	3/4	3,838.94	3/4	3,495.81	3/4	3,152.71	3/4	2,809.54	3/4	2,466.35
3		3		3	4,858.90	3	4,517.27	3	4,174.99	3	3,831.79	3	3,488.66	3	3,145.56	3	2,802.39	3	2,459.20
1/4		1/4		1/4	4,851.78	1/4	4,510.15	1/4	4,167.84	1/4	3,824.64	1/4	3,481.51	1/4	3,138.42	1/4	2,795.24	1/4	2,452.05
1/2		1/2		1/2	4,844.66	1/2	4,503.04	1/2	4,160.69	1/2	3,817.50	1/2	3,474.36	1/2	3,131.27	1/2	2,788.09	1/2	2,444.90
3/4		3/4		3/4	4,837.54	3/4	4,495.92	3/4	4,153.54	3/4	3,810.35	3/4	3,467.22	3/4	3,124.12	3/4	2,780.94	3/4	2,437.75
4		4		4	4,830.43	4	4,488.80	4	4,146.39	4	3,803.20	4	3,460.07	4	3,116.97	4	2,773.79	4	2,430.60
1/4		1/4		1/4	4,823.31	1/4	4,481.68	1/4	4,139.24	1/4	3,796.05	1/4	3,452.92	1/4	3,109.83	1/4	2,766.64	1/4	2,423.45
1/2		1/2		1/2	4,816.19	1/2	4,474.57	1/2	4,132.09	1/2	3,788.90	1/2	3,445.77	1/2	3,102.68	1/2	2,759.49	1/2	2,416.30
3/4		3/4		3/4	4,809.07	3/4	4,467.45	3/4	4,124.94	3/4	3,781.75	3/4	3,438.62	3/4	3,095.53	3/4	2,752.34	3/4	2,409.15
5		5		5	4,801.96	5	4,460.33	5	4,117.79	5	3,774.60	5	3,431.48	5	3,088.38	5	2,745.19	5	2,402.00
1/4		1/4		1/4	4,794.84	1/4	4,453.21	1/4	4,110.64	1/4	3,767.45	1/4	3,424.33	1/4	3,081.23	1/4	2,738.04	1/4	2,394.85
1/2		1/2		1/2	4,787.72	1/2	4,446.10	1/2	4,103.49	1/2	3,760.30	1/2	3,417.18	1/2	3,074.09	1/2	2,730.90	1/2	2,387.70
3/4		3/4		3/4	4,780.61	3/4	4,438.98	3/4	4,096.34	3/4	3,753.15	3/4	3,410.03	3/4	3,066.94	3/4	2,723.75	3/4	2,380.55
6		6	5,088.31	6	4,773.49	6	4,431.86	6	4,089.19	6	3,746.00	6	3,402.88	6	3,059.79	6	2,716.60	6	2,373.40
1/4		1/4	5,084.51	1/4	4,766.37	1/4	4,424.75	1/4	4,082.04	1/4	3,738.85	1/4	3,395.74	1/4	3,052.64	1/4	2,709.45	1/4	2,366.25
1/2		1/2	5,080.72	1/2	4,759.25	1/2	4,417.63	1/2	4,074.89	1/2	3,731.70	1/2	3,388.59	1/2	3,045.49	1/2	2,702.30	1/2	2,359.10
3/4		3/4	5,076.92	3/4	4,752.14	3/4	4,410.51	3/4	4,067.74	3/4	3,724.55	3/4	3,381.44	3/4	3,038.34	3/4	2,695.15	3/4	2,351.95
7		7	5,073.13	7	4,745.02	7	4,403.39	7	4,060.59	7	3,717.40	7	3,374.29	7	3,031.19	7	2,688.00	7	2,344.80
1/4		1/4	5,068.14	1/4	4,737.90	1/4	4,396.28	1/4	4,053.44	1/4	3,710.25	1/4	3,367.15	1/4	3,024.04	1/4	2,680.85	1/4	2,337.65
1/2		1/2	5,063.16	1/2	4,730.79	1/2	4,389.16	1/2	4,046.29	1/2	3,703.10	1/2	3,360.00	1/2	3,016.89	1/2	2,673.70	1/2	2,330.50
3/4		3/4	5,058.17	3/4	4,723.67	3/4	4,382.04	3/4	4,039.14	3/4	3,695.95	3/4	3,352.85	3/4	3,009.74	3/4	2,666.55	3/4	2,323.35
8		8	5,053.18	8	4,716.55	8	4,374.93	8	4,031.99	8	3,688.80	8	3,345.70	8	3,002.59	8	2,659.40	8	2,316.20
1/4		1/4	5,047.00	1/4	4,709.43	1/4	4,367.81	1/4	4,024.84	1/4	3,681.65	1/4	3,338.55	1/4	2,995.44	1/4	2,652.25	1/4	2,309.05
1/2		1/2	5,040.82	1/2	4,702.32	1/2	4,360.69	1/2	4,017.69	1/2	3,674.50	1/2	3,331.41	1/2	2,988.29	1/2	2,645.10	1/2	2,301.90
3/4		3/4	5,034.65	3/4	4,695.20	3/4	4,353.57	3/4	4,010.54	3/4	3,667.35	3/4	3,324.26	3/4	2,981.14	3/4	2,637.95	3/4	2,294.75
9		9	5,028.47	9	4,688.08	9	4,346.46	9	4,003.39	9	3,660.21	9	3,317.11	9	2,973.99	9	2,630.80	9	2,287.60
1/4		1/4	5,021.46	1/4	4,680.97	1/4	4,339.34	1/4	3,996.24	1/4	3,653.06	1/4	3,309.96	1/4	2,966.84	1/4	2,623.65	1/4	2,280.45
1/2		1/2	5,014.46	1/2	4,673.85	1/2	4,332.22	1/2	3,989.09	1/2	3,645.91	1/2	3,302.82	1/2	2,959.69	1/2	2,616.50	1/2	2,273.30
3/4		3/4	5,007.46	3/4	4,666.73	3/4	4,325.11	3/4	3,981.94	3/4	3,638.76	3/4	3,295.67	3/4	2,952.54	3/4	2,609.35	3/4	2,266.15
10		10	5,000.45	10	4,659.61	10	4,317.99	10	3,974.79	10	3,631.61	10	3,288.52	10	2,945.39	10	2,602.20	10	2,259.00
1/4		1/4	4,993.40	1/4	4,652.50	1/4	4,310.84	1/4	3,967.64	1/4	3,624.47	1/4	3,281.37	1/4	2,938.24	1/4	2,595.05	1/4	2,251.85
1/2		1/2	4,986.34	1/2	4,645.38	1/2	4,303.69	1/2	3,960.49	1/2	3,617.32	1/2	3,274.22	1/2	2,931.09	1/2	2,587.90	1/2	2,244.70
3/4		3/4	4,979.28	3/4	4,638.26	3/4	4,296.54	3/4	3,953.34	3/4	3,610.17	3/4	3,267.08	3/4	2,923.94	3/4	2,580.75	3/4	2,237.55
11		11	4,972.22	11	4,631.14	11	4,289.39	11	3,946.19	11	3,603.02	11	3,259.93	11	2,916.79	11	2,573.60	11	2,230.40
1/4		1/4	4,965.15	1/4	4,624.03	1/4	4,282.24	1/4	3,939.04	1/4	3,595.88	1/4	3,252.78	1/4	2,909.64	1/4	2,566.45	1/4	2,223.25
1/2		1/2	4,958.08	1/2	4,616.91	1/2	4,275.09	1/2	3,931.89	1/2	3,588.73	1/2	3,245.63	1/2	2,902.49	1/2	2,559.30	1/2	2,216.10
3/4		3/4	4,951.01	3/4	4,609.79	3/4	4,267.94	3/4	3,924.74	3/4	3,581.58	3/4	3,238.49	3/4	2,895.34	3/4	2,552.15	3/4	2,208.95

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 3296"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,201.80	0	1,858.61	0	1,515.41	0	1,172.22	0	829.52	0	486.34	0	143.16	0		0		0	
1/4	2,194.65	1/4	1,851.46	1/4	1,508.26	1/4	1,165.07	1/4	822.37	1/4	479.19	1/4	136.01	1/4	1/4	1/4		1/4	
1/2	2,187.50	1/2	1,844.31	1/2	1,501.11	1/2	1,157.92	1/2	815.22	1/2	472.04	1/2	128.86	1/2	1/2	1/2		1/2	
3/4	2,180.35	3/4	1,837.16	3/4	1,493.96	3/4	1,150.77	3/4	808.07	3/4	464.89	3/4	121.71	3/4	3/4	3/4		3/4	
1	2,173.20	1	1,830.01	1	1,486.81	1	1,143.62	1	800.92	1	457.74	1	114.56	1	1	1		1	
1/4	2,166.05	1/4	1,822.86	1/4	1,479.66	1/4	1,136.47	1/4	793.77	1/4	450.59	1/4	107.42	1/4	1/4	1/4		1/4	
1/2	2,158.90	1/2	1,815.71	1/2	1,472.51	1/2	1,129.32	1/2	786.62	1/2	443.44	1/2	100.28	1/2	1/2	1/2		1/2	
3/4	2,151.75	3/4	1,808.56	3/4	1,465.36	3/4	1,122.17	3/4	779.47	3/4	436.29	3/4	93.14	3/4	3/4	3/4		3/4	
2	2,144.60	2	1,801.41	2	1,458.21	2	1,115.02	2	772.32	2	429.14	2	86.01	2	2	2		2	
1/4	2,137.45	1/4	1,794.26	1/4	1,451.06	1/4	1,107.87	1/4	765.17	1/4	421.99	1/4	78.89	1/4	1/4	1/4		1/4	
1/2	2,130.30	1/2	1,787.11	1/2	1,443.91	1/2	1,100.73	1/2	758.02	1/2	414.84	1/2	71.78	1/2	1/2	1/2		1/2	
3/4	2,123.15	3/4	1,779.96	3/4	1,436.76	3/4	1,093.59	3/4	750.87	3/4	407.69	3/4	64.67	3/4	3/4	3/4		3/4	
3	2,116.00	3	1,772.81	3	1,429.61	3	1,086.44	3	743.72	3	400.54	3	57.55	3	3	3		3	
1/4	2,108.85	1/4	1,765.66	1/4	1,422.46	1/4	1,079.31	1/4	736.57	1/4	393.39	1/4	51.30	1/4	1/4	1/4		1/4	
1/2	2,101.70	1/2	1,758.51	1/2	1,415.31	1/2	1,072.17	1/2	729.42	1/2	386.24	1/2	45.04	1/2	1/2	1/2		1/2	
3/4	2,094.55	3/4	1,751.36	3/4	1,408.16	3/4	1,065.03	3/4	722.27	3/4	379.09	3/4	38.79	3/4	3/4	3/4		3/4	
4	2,087.40	4	1,744.21	4	1,401.01	4	1,057.90	4	715.12	4	371.94	4	32.53	4	4	4		4	
1/4	2,080.25	1/4	1,737.06	1/4	1,393.86	1/4	1,050.76	1/4	707.97	1/4	364.79	1/4	28.07	1/4	1/4	1/4		1/4	
1/2	2,073.10	1/2	1,729.91	1/2	1,386.71	1/2	1,043.63	1/2	700.82	1/2	357.64	1/2	23.60	1/2	1/2	1/2		1/2	
3/4	2,065.95	3/4	1,722.76	3/4	1,379.56	3/4	1,036.49	3/4	693.67	3/4	350.49	3/4	19.13	3/4	3/4	3/4		3/4	
5	2,058.80	5	1,715.61	5	1,372.41	5	1,029.36	5	686.53	5	343.34	5	14.66	5	5	5		5	
1/4	2,051.65	1/4	1,708.46	1/4	1,365.26	1/4	1,022.22	1/4	679.38	1/4	336.19	1/4		1/4	1/4	1/4		1/4	
1/2	2,044.50	1/2	1,701.31	1/2	1,358.11	1/2	1,015.08	1/2	672.23	1/2	329.05	1/2		1/2	1/2	1/2		1/2	
3/4	2,037.35	3/4	1,694.16	3/4	1,350.96	3/4	1,007.95	3/4	665.08	3/4	321.90	3/4		3/4	3/4	3/4		3/4	
6	2,030.20	6	1,687.01	6	1,343.81	6	1,000.81	6	657.93	6	314.75	6		6	6	6		6	
1/4	2,023.05	1/4	1,679.86	1/4	1,336.66	1/4	993.68	1/4	650.78	1/4	307.60	1/4		1/4	1/4	1/4		1/4	
1/2	2,015.91	1/2	1,672.71	1/2	1,329.51	1/2	986.54	1/2	643.63	1/2	300.45	1/2		1/2	1/2	1/2		1/2	
3/4	2,008.76	3/4	1,665.56	3/4	1,322.36	3/4	979.40	3/4	636.48	3/4	293.30	3/4		3/4	3/4	3/4		3/4	
7	2,001.61	7	1,658.41	7	1,315.21	7	972.27	7	629.33	7	286.15	7		7	7	7		7	
1/4	1,994.46	1/4	1,651.26	1/4	1,308.06	1/4	965.13	1/4	622.18	1/4	279.00	1/4		1/4	1/4	1/4		1/4	
1/2	1,987.31	1/2	1,644.11	1/2	1,300.92	1/2	958.00	1/2	615.03	1/2	271.85	1/2		1/2	1/2	1/2		1/2	
3/4	1,980.16	3/4	1,636.96	3/4	1,293.77	3/4	950.86	3/4	607.88	3/4	264.70	3/4		3/4	3/4	3/4		3/4	
8	1,973.01	8	1,629.81	8	1,286.62	8	943.72	8	600.73	8	257.55	8		8	8	8		8	
1/4	1,965.86	1/4	1,622.66	1/4	1,279.47	1/4	936.59	1/4	593.58	1/4	250.40	1/4		1/4	1/4	1/4		1/4	
1/2	1,958.71	1/2	1,615.51	1/2	1,272.32	1/2	929.45	1/2	586.43	1/2	243.25	1/2		1/2	1/2	1/2		1/2	
3/4	1,951.56	3/4	1,608.36	3/4	1,265.17	3/4	922.32	3/4	579.28	3/4	236.10	3/4		3/4	3/4	3/4		3/4	
9	1,944.41	9	1,601.21	9	1,258.02	9	915.18	9	572.13	9	228.95	9		9	9	9		9	
1/4	1,937.26	1/4	1,594.06	1/4	1,250.87	1/4	908.05	1/4	564.98	1/4	221.80	1/4		1/4	1/4	1/4		1/4	
1/2	1,930.11	1/2	1,586.91	1/2	1,243.72	1/2	900.91	1/2	557.83	1/2	214.65	1/2		1/2	1/2	1/2		1/2	
3/4	1,922.96	3/4	1,579.76	3/4	1,236.57	3/4	893.78	3/4	550.68	3/4	207.50	3/4		3/4	3/4	3/4		3/4	
10	1,915.81	10	1,572.61	10	1,229.42	10	886.64	10	543.53	10	200.35	10		10	10	10		10	
1/4	1,908.66	1/4	1,565.46	1/4	1,222.27	1/4	879.50	1/4	536.38	1/4	193.20	1/4		1/4	1/4	1/4		1/4	
1/2	1,901.51	1/2	1,558.31	1/2	1,215.12	1/2	872.37	1/2	529.23	1/2	186.05	1/2		1/2	1/2	1/2		1/2	
3/4	1,894.36	3/4	1,551.16	3/4	1,207.97	3/4	865.23	3/4	522.08	3/4	178.90	3/4		3/4	3/4	3/4		3/4	
11	1,887.21	11	1,544.01	11	1,200.82	11	858.10	11	514.93	11	171.75	11		11	11	11		11	
1/4	1,880.06	1/4	1,536.86	1/4	1,193.67	1/4	850.95	1/4	507.79	1/4	164.60	1/4		1/4	1/4	1/4		1/4	
1/2	1,872.91	1/2	1,529.71	1/2	1,186.52	1/2	843.81	1/2	500.64	1/2	157.45	1/2		1/2	1/2	1/2		1/2	
3/4	1,865.76	3/4	1,522.56	3/4	1,179.37	3/4	836.66	3/4	493.49	3/4	150.31	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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





BARGE "FMT 3296"

3 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	4,305.52	0	4,097.08	0	3,888.25	0	3,678.64	0	3,469.26	0	3,208.49	0	2,867.27	0	2,525.92
1/4		1/4		1/4	4,301.20	1/4	4,092.73	1/4	3,883.88	1/4	3,674.27	1/4	3,464.91	1/4	3,201.40	1/4	2,860.16	1/4	2,518.81
1/2		1/2		1/2	4,296.88	1/2	4,088.38	1/2	3,879.51	1/2	3,669.90	1/2	3,460.56	1/2	3,194.31	1/2	2,853.05	1/2	2,511.70
3/4		3/4		3/4	4,292.56	3/4	4,084.03	3/4	3,875.15	3/4	3,665.54	3/4	3,456.21	3/4	3,187.22	3/4	2,845.94	3/4	2,504.59
1		1		1	4,288.24	1	4,079.68	1	3,870.78	1	3,661.17	1	3,451.86	1	3,180.13	1	2,838.83	1	2,497.48
1/4		1/4		1/4	4,283.92	1/4	4,075.34	1/4	3,866.41	1/4	3,656.80	1/4	3,447.51	1/4	3,173.04	1/4	2,831.72	1/4	2,490.37
1/2		1/2		1/2	4,279.60	1/2	4,070.99	1/2	3,862.05	1/2	3,652.43	1/2	3,443.15	1/2	3,165.95	1/2	2,824.61	1/2	2,483.25
3/4		3/4		3/4	4,275.28	3/4	4,066.64	3/4	3,857.68	3/4	3,648.07	3/4	3,438.80	3/4	3,158.86	3/4	2,817.49	3/4	2,476.14
2		2		2	4,270.96	2	4,062.29	2	3,853.31	2	3,643.70	2	3,434.45	2	3,151.77	2	2,810.38	2	2,469.03
1/4		1/4		1/4	4,266.64	1/4	4,057.94	1/4	3,848.94	1/4	3,639.33	1/4	3,430.10	1/4	3,144.68	1/4	2,803.27	1/4	2,461.92
1/2		1/2		1/2	4,262.29	1/2	4,053.60	1/2	3,844.58	1/2	3,634.97	1/2	3,425.75	1/2	3,137.59	1/2	2,796.16	1/2	2,454.80
3/4		3/4		3/4	4,257.94	3/4	4,049.25	3/4	3,840.21	3/4	3,630.60	3/4	3,421.40	3/4	3,130.50	3/4	2,789.05	3/4	2,447.69
3		3		3	4,253.60	3	4,044.90	3	3,835.84	3	3,626.23	3	3,417.05	3	3,123.41	3	2,781.94	3	2,440.58
1/4		1/4		1/4	4,249.25	1/4	4,040.55	1/4	3,831.48	1/4	3,621.87	1/4	3,412.70	1/4	3,116.32	1/4	2,774.83	1/4	2,433.47
1/2		1/2		1/2	4,244.90	1/2	4,036.21	1/2	3,827.11	1/2	3,617.50	1/2	3,408.35	1/2	3,109.21	1/2	2,767.71	1/2	2,426.35
3/4		3/4		3/4	4,240.55	3/4	4,031.86	3/4	3,822.74	3/4	3,613.13	3/4	3,404.00	3/4	3,102.11	3/4	2,760.60	3/4	2,419.24
4		4		4	4,236.20	4	4,027.51	4	3,818.38	4	3,608.77	4	3,399.64	4	3,095.00	4	2,753.49	4	2,412.13
1/4		1/4		1/4	4,231.86	1/4	4,023.16	1/4	3,814.01	1/4	3,604.40	1/4	3,395.29	1/4	3,087.89	1/4	2,746.38	1/4	2,405.02
1/2		1/2		1/2	4,227.51	1/2	4,018.81	1/2	3,809.64	1/2	3,600.03	1/2	3,390.94	1/2	3,080.78	1/2	2,739.27	1/2	2,397.90
3/4		3/4		3/4	4,223.16	3/4	4,014.47	3/4	3,805.28	3/4	3,595.66	3/4	3,386.59	3/4	3,073.68	3/4	2,732.16	3/4	2,390.79
5		5		5	4,218.81	5	4,010.12	5	3,800.91	5	3,591.30	5	3,382.24	5	3,066.57	5	2,725.04	5	2,383.68
1/4		1/4		1/4	4,214.47	1/4	4,005.77	1/4	3,796.54	1/4	3,586.93	1/4	3,377.89	1/4	3,059.46	1/4	2,717.93	1/4	2,376.57
1/2		1/2		1/2	4,210.12	1/2	4,001.42	1/2	3,792.18	1/2	3,582.56	1/2	3,373.56	1/2	3,052.35	1/2	2,710.82	1/2	2,369.45
3/4		3/4		3/4	4,205.77	3/4	3,997.08	3/4	3,787.81	3/4	3,578.20	3/4	3,369.22	3/4	3,045.24	3/4	2,703.71	3/4	2,362.34
6		6		6	4,201.42	6	3,992.73	6	3,783.44	6	3,573.83	6	3,364.89	6	3,038.14	6	2,696.60	6	2,355.23
1/4		1/4		1/4	4,382.21	1/4	4,197.07	1/4	3,988.38	1/4	3,779.07	1/4	3,569.46	1/4	3,360.56	1/4	3,031.03	1/4	2,689.49
1/2		1/2		1/2	4,380.50	1/2	4,192.73	1/2	3,984.03	1/2	3,774.71	1/2	3,565.10	1/2	3,356.22	1/2	3,023.91	1/2	2,682.38
3/4		3/4		3/4	4,378.80	3/4	4,188.38	3/4	3,979.68	3/4	3,770.34	3/4	3,560.73	3/4	3,351.89	3/4	3,016.78	3/4	2,675.26
7		7		7	4,377.09	7	4,184.03	7	3,975.34	7	3,765.97	7	3,556.36	7	3,347.56	7	3,009.66	7	2,668.15
1/4		1/4		1/4	4,375.39	1/4	4,179.68	1/4	3,970.99	1/4	3,761.61	1/4	3,552.00	1/4	3,343.23	1/4	3,002.54	1/4	2,661.04
1/2		1/2		1/2	4,373.14	1/2	4,175.34	1/2	3,966.64	1/2	3,757.24	1/2	3,547.63	1/2	3,336.13	1/2	2,995.41	1/2	2,653.93
3/4		3/4		3/4	4,370.90	3/4	4,170.99	3/4	3,962.29	3/4	3,752.87	3/4	3,543.26	3/4	3,329.04	3/4	2,988.29	3/4	2,646.82
8		8		8	4,368.66	8	4,166.64	8	3,957.95	8	3,748.51	8	3,538.89	8	3,321.95	8	2,981.17	8	2,639.71
1/4		1/4		1/4	4,366.42	1/4	4,162.29	1/4	3,953.60	1/4	3,744.14	1/4	3,534.53	1/4	3,314.86	1/4	2,974.04	1/4	2,632.60
1/2		1/2		1/2	4,362.99	1/2	4,157.94	1/2	3,949.25	1/2	3,739.77	1/2	3,530.18	1/2	3,307.77	1/2	2,966.92	1/2	2,625.48
3/4		3/4		3/4	4,359.56	3/4	4,153.60	3/4	3,944.90	3/4	3,735.41	3/4	3,525.83	3/4	3,300.68	3/4	2,959.80	3/4	2,618.37
9		9		9	4,356.13	9	4,149.25	9	3,940.55	9	3,731.04	9	3,521.47	9	3,293.58	9	2,952.67	9	2,611.26
1/4		1/4		1/4	4,352.70	1/4	4,144.90	1/4	3,936.21	1/4	3,726.67	1/4	3,517.12	1/4	3,286.49	1/4	2,945.55	1/4	2,604.15
1/2		1/2		1/2	4,348.45	1/2	4,140.55	1/2	3,931.86	1/2	3,722.30	1/2	3,512.77	1/2	3,279.40	1/2	2,938.43	1/2	2,597.04
3/4		3/4		3/4	4,344.20	3/4	4,136.21	3/4	3,927.51	3/4	3,717.94	3/4	3,508.42	3/4	3,272.31	3/4	2,931.30	3/4	2,589.93
10		10		10	4,339.94	10	4,131.86	10	3,923.16	10	3,713.57	10	3,504.07	10	3,265.22	10	2,924.18	10	2,582.81
1/4		1/4		1/4	4,335.69	1/4	4,127.51	1/4	3,918.82	1/4	3,709.20	1/4	3,499.72	1/4	3,258.12	1/4	2,917.06	1/4	2,575.70
1/2		1/2		1/2	4,331.39	1/2	4,123.16	1/2	3,914.45	1/2	3,704.84	1/2	3,495.37	1/2	3,251.03	1/2	2,909.94	1/2	2,568.59
3/4		3/4		3/4	4,327.08	3/4	4,118.81	3/4	3,910.08	3/4	3,700.47	3/4	3,491.02	3/4	3,243.94	3/4	2,902.83	3/4	2,561.48
11		11		11	4,322.77	11	4,114.47	11	3,905.71	11	3,696.10	11	3,486.67	11	3,236.85	11	2,895.72	11	2,554.37
1/4		1/4		1/4	4,318.47	1/4	4,110.12	1/4	3,901.35	1/4	3,691.74	1/4	3,482.31	1/4	3,229.76	1/4	2,888.61	1/4	2,547.26
1/2		1/2		1/2	4,314.15	1/2	4,105.77	1/2	3,896.98	1/2	3,687.37	1/2	3,477.96	1/2	3,222.67	1/2	2,881.50	1/2	2,540.15
3/4		3/4		3/4	4,309.83	3/4	4,101.42	3/4	3,892.61	3/4	3,683.00	3/4	3,473.61	3/4	3,215.58	3/4	2,874.39	3/4	2,533.03

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 3296"

3 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	2,184.53	0	1,843.13	0	1,501.73	0	1,160.33	0	831.86	0	491.63	0	149.81	0		0		0	
1/4	2,177.42	1/4	1,836.02	1/4	1,494.62	1/4	1,153.22	1/4	825.05	1/4	484.51	1/4	142.68	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,170.30	1/2	1,828.90	1/2	1,487.50	1/2	1,146.10	1/2	818.17	1/2	477.40	1/2	135.56	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,163.19	3/4	1,821.79	3/4	1,480.39	3/4	1,138.99	3/4	811.28	3/4	470.29	3/4	128.43	3/4	3/4	3/4	3/4	3/4	3/4
1	2,156.08	1	1,814.68	1	1,473.28	1	1,131.88	1	804.40	1	463.17	1	121.31	1	1	1	1	1	1
1/4	2,148.97	1/4	1,807.57	1/4	1,466.17	1/4	1,124.77	1/4	797.52	1/4	456.06	1/4	114.18	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,141.85	1/2	1,800.45	1/2	1,459.05	1/2	1,117.88	1/2	790.41	1/2	448.94	1/2	107.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,134.74	3/4	1,793.34	3/4	1,451.94	3/4	1,111.00	3/4	783.29	3/4	441.83	3/4	99.95	3/4	3/4	3/4	3/4	3/4	3/4
2	2,127.63	2	1,786.23	2	1,444.83	2	1,104.12	2	776.18	2	434.72	2	92.84	2	2	2	2	2	2
1/4	2,120.52	1/4	1,779.12	1/4	1,437.72	1/4	1,097.24	1/4	769.07	1/4	427.60	1/4	85.72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,113.40	1/2	1,772.00	1/2	1,430.60	1/2	1,090.43	1/2	761.95	1/2	420.49	1/2	78.63	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,106.29	3/4	1,764.89	3/4	1,423.49	3/4	1,083.62	3/4	754.84	3/4	413.38	3/4	71.55	3/4	3/4	3/4	3/4	3/4	3/4
3	2,099.18	3	1,757.78	3	1,416.38	3	1,076.81	3	747.72	3	406.26	3	64.46	3	3	3	3	3	3
1/4	2,092.07	1/4	1,750.67	1/4	1,409.27	1/4	1,069.99	1/4	740.61	1/4	399.15	1/4	57.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,084.95	1/2	1,743.55	1/2	1,402.15	1/2	1,063.19	1/2	733.50	1/2	392.03	1/2	51.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,077.84	3/4	1,736.44	3/4	1,395.04	3/4	1,056.39	3/4	726.38	3/4	384.92	3/4	44.90	3/4	3/4	3/4	3/4	3/4	3/4
4	2,070.73	4	1,729.33	4	1,387.93	4	1,049.58	4	719.27	4	377.81	4	38.67	4	4	4	4	4	4
1/4	2,063.62	1/4	1,722.22	1/4	1,380.82	1/4	1,042.78	1/4	712.15	1/4	370.69	1/4	32.43	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,056.50	1/2	1,715.10	1/2	1,373.70	1/2	1,035.98	1/2	705.04	1/2	363.57	1/2	27.98	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,049.39	3/4	1,707.99	3/4	1,366.59	3/4	1,029.18	3/4	697.93	3/4	356.44	3/4	23.53	3/4	3/4	3/4	3/4	3/4	3/4
5	2,042.28	5	1,700.88	5	1,359.48	5	1,022.37	5	690.81	5	349.32	5	19.07	5	5	5	5	5	5
1/4	2,035.17	1/4	1,693.77	1/4	1,352.37	1/4	1,015.57	1/4	683.70	1/4	342.19	1/4	14.62	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,028.05	1/2	1,686.65	1/2	1,345.25	1/2	1,008.77	1/2	676.59	1/2	335.07	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,020.94	3/4	1,679.54	3/4	1,338.14	3/4	1,001.96	3/4	669.47	3/4	327.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,013.83	6	1,672.43	6	1,331.03	6	995.16	6	662.36	6	320.81	6	6	6	6	6	6	6	6
1/4	2,006.72	1/4	1,665.32	1/4	1,323.92	1/4	988.36	1/4	655.24	1/4	313.69	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,999.60	1/2	1,658.20	1/2	1,316.80	1/2	981.55	1/2	648.13	1/2	306.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,992.49	3/4	1,651.09	3/4	1,309.69	3/4	974.75	3/4	641.02	3/4	299.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,985.38	7	1,643.98	7	1,302.58	7	967.95	7	633.90	7	292.31	7	7	7	7	7	7	7	7
1/4	1,978.27	1/4	1,636.87	1/4	1,295.47	1/4	961.14	1/4	626.79	1/4	285.19	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,971.15	1/2	1,629.75	1/2	1,288.35	1/2	954.34	1/2	619.68	1/2	278.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,964.04	3/4	1,622.64	3/4	1,281.24	3/4	947.54	3/4	612.56	3/4	270.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,956.93	8	1,615.53	8	1,274.13	8	940.73	8	605.45	8	263.81	8	8	8	8	8	8	8	8
1/4	1,949.82	1/4	1,608.42	1/4	1,267.02	1/4	933.93	1/4	598.33	1/4	256.69	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,942.70	1/2	1,601.30	1/2	1,259.90	1/2	927.13	1/2	591.22	1/2	249.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,935.59	3/4	1,594.19	3/4	1,252.79	3/4	920.32	3/4	584.11	3/4	242.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,928.48	9	1,587.08	9	1,245.68	9	913.52	9	576.99	9	235.31	9	9	9	9	9	9	9	9
1/4	1,921.37	1/4	1,579.97	1/4	1,238.57	1/4	906.72	1/4	569.88	1/4	228.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,914.25	1/2	1,572.85	1/2	1,231.45	1/2	899.91	1/2	562.77	1/2	221.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,907.14	3/4	1,565.74	3/4	1,224.34	3/4	893.11	3/4	555.65	3/4	213.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,900.03	10	1,558.63	10	1,217.23	10	886.31	10	548.54	10	206.81	10	10	10	10	10	10	10	10
1/4	1,892.92	1/4	1,551.52	1/4	1,210.12	1/4	879.50	1/4	541.42	1/4	199.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,885.80	1/2	1,544.40	1/2	1,203.00	1/2	872.70	1/2	534.31	1/2	192.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,878.69	3/4	1,537.29	3/4	1,195.89	3/4	865.90	3/4	527.20	3/4	185.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,871.58	11	1,530.18	11	1,188.78	11	859.10	11	520.08	11	178.31	11	11	11	11	11	11	11	11
1/4	1,864.47	1/4	1,523.07	1/4	1,181.67	1/4	852.29	1/4	512.97	1/4	171.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,857.35	1/2	1,515.95	1/2	1,174.55	1/2	845.48	1/2	505.85	1/2	164.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,850.24	3/4	1,508.84	3/4	1,167.44	3/4	838.67	3/4	498.74	3/4	156.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

3 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-04 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0	4,316.05	0	4,107.13	0	3,897.85	0	3,687.85	0	3,477.84	0	3,208.21	0	2,866.84	0	2,525.02		
1/4	1/4	1/4	1/4	1/4	4,311.73	1/4	4,102.78	1/4	3,893.48	1/4	3,683.47	1/4	3,473.47	1/4	3,201.12	1/4	2,859.72	1/4	2,517.88		
1/2	1/2	1/2	1/2	1/2	4,307.40	1/2	4,098.42	1/2	3,889.10	1/2	3,679.10	1/2	3,469.09	1/2	3,194.02	1/2	2,852.61	1/2	2,510.75		
3/4	3/4	3/4	3/4	3/4	4,303.07	3/4	4,094.06	3/4	3,884.73	3/4	3,674.72	3/4	3,464.72	3/4	3,186.92	3/4	2,845.49	3/4	2,503.61		
1		1		1	4,298.74	1	4,089.71	1	3,880.35	1	3,670.35	1	3,460.34	1	3,179.82	1	2,838.38	1	2,496.48		
1/4	1/4	1/4	1/4	1/4	4,294.41	1/4	4,085.35	1/4	3,875.98	1/4	3,665.97	1/4	3,455.97	1/4	3,172.72	1/4	2,831.26	1/4	2,489.35		
1/2	1/2	1/2	1/2	1/2	4,290.08	1/2	4,081.00	1/2	3,871.60	1/2	3,661.60	1/2	3,451.59	1/2	3,165.62	1/2	2,824.14	1/2	2,482.21		
3/4	3/4	3/4	3/4	3/4	4,285.73	3/4	4,076.64	3/4	3,867.23	3/4	3,657.22	3/4	3,447.22	3/4	3,158.53	3/4	2,817.03	3/4	2,475.08		
2		2		2	4,281.37	2	4,072.28	2	3,862.85	2	3,652.85	2	3,442.84	2	3,151.43	2	2,809.91	2	2,467.95		
1/4	1/4	1/4	1/4	1/4	4,277.02	1/4	4,067.93	1/4	3,858.48	1/4	3,648.47	1/4	3,438.47	1/4	3,144.33	1/4	2,802.80	1/4	2,460.81		
1/2	1/2	1/2	1/2	1/2	4,272.66	1/2	4,063.57	1/2	3,854.10	1/2	3,644.10	1/2	3,434.09	1/2	3,137.23	1/2	2,795.68	1/2	2,453.68		
3/4	3/4	3/4	3/4	3/4	4,268.30	3/4	4,059.22	3/4	3,849.73	3/4	3,639.72	3/4	3,429.72	3/4	3,130.12	3/4	2,788.57	3/4	2,446.54		
3		3		3	4,263.95	3	4,054.86	3	3,845.35	3	3,635.35	3	3,425.34	3	3,123.00	3	2,781.45	3	2,439.41		
1/4	1/4	1/4	1/4	1/4	4,259.59	1/4	4,050.50	1/4	3,840.98	1/4	3,630.97	1/4	3,420.97	1/4	3,115.88	1/4	2,774.34	1/4	2,432.28		
1/2	1/2	1/2	1/2	1/2	4,255.24	1/2	4,046.15	1/2	3,836.60	1/2	3,626.60	1/2	3,416.59	1/2	3,108.77	1/2	2,767.22	1/2	2,425.14		
3/4	3/4	3/4	3/4	3/4	4,250.88	3/4	4,041.79	3/4	3,832.23	3/4	3,622.22	3/4	3,412.22	3/4	3,101.65	3/4	2,760.10	3/4	2,418.01		
4		4		4	4,246.52	4	4,037.44	4	3,827.85	4	3,617.85	4	3,407.84	4	3,094.54	4	2,752.99	4	2,410.87		
1/4	1/4	1/4	1/4	1/4	4,242.17	1/4	4,033.08	1/4	3,823.48	1/4	3,613.47	1/4	3,403.47	1/4	3,087.42	1/4	2,745.87	1/4	2,403.74		
1/2	1/2	1/2	1/2	1/2	4,237.81	1/2	4,028.72	1/2	3,819.10	1/2	3,609.10	1/2	3,399.09	1/2	3,080.31	1/2	2,738.76	1/2	2,396.61		
3/4	3/4	3/4	3/4	3/4	4,233.46	3/4	4,024.37	3/4	3,814.73	3/4	3,604.72	3/4	3,394.75	3/4	3,073.19	3/4	2,731.64	3/4	2,389.47		
5		5		5	4,229.10	5	4,020.01	5	3,810.35	5	3,600.35	5	3,390.41	5	3,066.08	5	2,724.53	5	2,382.34		
1/4	1/4	1/4	1/4	1/4	4,224.74	1/4	4,015.66	1/4	3,805.98	1/4	3,595.97	1/4	3,386.07	1/4	3,058.96	1/4	2,717.41	1/4	2,375.21		
1/2	1/2	1/2	1/2	1/2	4,405.88	1/2	4,220.39	1/2	4,011.30	1/2	3,801.60	1/2	3,591.60	1/2	3,381.73	1/2	3,051.84	1/2	2,710.30	1/2	2,368.07
3/4	3/4	3/4	3/4	3/4	4,404.17	3/4	4,216.03	3/4	4,006.94	3/4	3,797.23	3/4	3,587.22	3/4	3,377.39	3/4	3,044.73	3/4	2,703.18	3/4	2,360.94
6		6		6	4,402.46	6	4,211.68	6	4,002.59	6	3,792.85	6	3,582.85	6	3,373.06	6	3,037.61	6	2,696.06	6	2,353.80
1/4	1/4	1/4	1/4	1/4	4,400.75	1/4	4,207.32	1/4	3,998.23	1/4	3,788.48	1/4	3,578.47	1/4	3,368.72	1/4	3,030.50	1/4	2,688.95	1/4	2,346.67
1/2	1/2	1/2	1/2	1/2	4,399.04	1/2	4,202.96	1/2	3,993.88	1/2	3,784.10	1/2	3,574.10	1/2	3,364.38	1/2	3,023.38	1/2	2,681.83	1/2	2,339.54
3/4	3/4	3/4	3/4	3/4	4,396.80	3/4	4,198.61	3/4	3,989.52	3/4	3,779.73	3/4	3,569.72	3/4	3,357.28	3/4	3,016.27	3/4	2,674.72	3/4	2,332.40
7		7		7	4,394.55	7	4,194.25	7	3,985.16	7	3,775.35	7	3,565.35	7	3,350.18	7	3,009.15	7	2,667.60	7	2,325.27
1/4	1/4	1/4	1/4	1/4	4,392.30	1/4	4,189.90	1/4	3,980.81	1/4	3,770.98	1/4	3,560.97	1/4	3,343.08	1/4	3,002.03	1/4	2,660.49	1/4	2,318.14
1/2	1/2	1/2	1/2	1/2	4,390.05	1/2	4,185.54	1/2	3,976.45	1/2	3,766.60	1/2	3,556.60	1/2	3,335.98	1/2	2,994.92	1/2	2,653.37	1/2	2,311.00
3/4	3/4	3/4	3/4	3/4	4,386.62	3/4	4,181.18	3/4	3,972.10	3/4	3,762.23	3/4	3,552.22	3/4	3,328.89	3/4	2,987.80	3/4	2,646.25	3/4	2,303.87
8		8		8	4,383.18	8	4,176.83	8	3,967.74	8	3,757.85	8	3,547.85	8	3,321.79	8	2,980.69	8	2,639.14	8	2,296.73
1/4	1/4	1/4	1/4	1/4	4,379.74	1/4	4,172.47	1/4	3,963.38	1/4	3,753.48	1/4	3,543.47	1/4	3,314.69	1/4	2,973.57	1/4	2,632.02	1/4	2,289.60
1/2	1/2	1/2	1/2	1/2	4,376.30	1/2	4,168.12	1/2	3,959.03	1/2	3,749.10	1/2	3,539.10	1/2	3,307.59	1/2	2,966.46	1/2	2,624.91	1/2	2,282.47
3/4	3/4	3/4	3/4	3/4	4,372.05	3/4	4,163.76	3/4	3,954.67	3/4	3,744.72	3/4	3,534.72	3/4	3,300.49	3/4	2,959.34	3/4	2,617.77	3/4	2,275.33
9		9		9	4,367.79	9	4,159.40	9	3,950.32	9	3,740.35	9	3,530.34	9	3,293.39	9	2,952.23	9	2,610.64	9	2,268.20
1/4	1/4	1/4	1/4	1/4	4,363.53	1/4	4,155.05	1/4	3,945.96	1/4	3,735.97	1/4	3,525.97	1/4	3,286.30	1/4	2,945.11	1/4	2,603.50	1/4	2,261.06
1/2	1/2	1/2	1/2	1/2	4,359.27	1/2	4,150.69	1/2	3,941.60	1/2	3,731.60	1/2	3,521.59	1/2	3,279.20	1/2	2,937.99	1/2	2,596.37	1/2	2,253.93
3/4	3/4	3/4	3/4	3/4	4,354.95	3/4	4,146.34	3/4	3,937.23	3/4	3,727.22	3/4	3,517.22	3/4	3,272.10	3/4	2,930.88	3/4	2,589.23	3/4	2,246.80
10		10		10	4,350.64	10	4,141.98	10	3,932.85	10	3,722.85	10	3,512.84	10	3,265.00	10	2,923.76	10	2,582.10	10	2,239.66
1/4	1/4	1/4	1/4	1/4	4,346.32	1/4	4,137.62	1/4	3,928.48	1/4	3,718.47	1/4	3,508.47	1/4	3,257.90	1/4	2,916.65	1/4	2,574.96	1/4	2,232.53
1/2	1/2	1/2	1/2	1/2	4,342.01	1/2	4,133.27	1/2	3,924.10	1/2	3,714.10	1/2	3,504.09	1/2	3,250.80	1/2	2,909.53	1/2	2,567.83	1/2	2,225.40
3/4	3/4	3/4	3/4	3/4	4,337.68	3/4	4,128.91	3/4	3,919.73	3/4	3,709.72	3/4	3,499.72	3/4	3,243.71	3/4	2,902.42	3/4	2,560.69	3/4	2,218.26
11		11		11	4,333.36	11	4,124.56	11	3,915.35	11	3,705.35	11	3,495.34	11	3,236.61	11	2,895.30	11	2,553.56	11	2,211.13
1/4	1/4	1/4	1/4	1/4	4,329.03	1/4	4,120.20	1/4	3,910.98	1/4	3,700.97	1/4	3,490.97	1/4	3,229.51	1/4	2,888.19	1/4	2,546.42	1/4	2,203.99
1/2	1/2	1/2	1/2	1/2	4,324.71	1/2	4,115.84	1/2	3,906.60	1/2	3,696.60	1/2	3,486.59	1/2	3,222.41	1/2	2,881.07	1/2	2,539.29	1/2	2,196.86
3/4	3/4	3/4	3/4	3/4	4,320.38	3/4	4,111.49	3/4	3,902.23	3/4	3,692.22	3/4	3,482.22	3/4	3,215.31	3/4	2,873.95	3/4	2,532.15	3/4	2,189.73

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 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 3296"

3 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-04 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,182.59	0	1,840.17	0	1,497.75	0	1,155.33	0	813.40	0	470.99	0	128.58	0		0		0	
1/4	2,175.46	1/4	1,833.04	1/4	1,490.61	1/4	1,148.19	1/4	806.27	1/4	463.86	1/4	121.45	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,168.33	1/2	1,825.90	1/2	1,483.48	1/2	1,141.06	1/2	799.13	1/2	456.72	1/2	114.31	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,161.19	3/4	1,818.77	3/4	1,476.35	3/4	1,133.92	3/4	792.00	3/4	449.59	3/4	107.19	3/4	3/4	3/4	3/4	3/4	3/4
1	2,154.06	1	1,811.64	1	1,469.21	1	1,126.79	1	784.87	1	442.45	1	100.07	1	1	1	1	1	1
1/4	2,146.92	1/4	1,804.50	1/4	1,462.08	1/4	1,119.66	1/4	777.73	1/4	435.32	1/4	92.95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,139.79	1/2	1,797.37	1/2	1,454.95	1/2	1,112.52	1/2	770.60	1/2	428.19	1/2	85.82	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,132.66	3/4	1,790.23	3/4	1,447.81	3/4	1,105.40	3/4	763.47	3/4	421.05	3/4	78.72	3/4	3/4	3/4	3/4	3/4	3/4
2	2,125.52	2	1,783.10	2	1,440.68	2	1,098.27	2	756.33	2	413.92	2	71.63	2	2	2	2	2	2
1/4	2,118.39	1/4	1,775.97	1/4	1,433.54	1/4	1,091.14	1/4	749.20	1/4	406.79	1/4	64.53	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,111.26	1/2	1,768.83	1/2	1,426.41	1/2	1,084.01	1/2	742.07	1/2	399.65	1/2	57.43	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,104.12	3/4	1,761.70	3/4	1,419.28	3/4	1,076.89	3/4	734.93	3/4	392.52	3/4	51.19	3/4	3/4	3/4	3/4	3/4	3/4
3	2,096.99	3	1,754.57	3	1,412.14	3	1,069.77	3	727.80	3	385.39	3	44.95	3	3	3	3	3	3
1/4	2,089.85	1/4	1,747.43	1/4	1,405.01	1/4	1,062.65	1/4	720.67	1/4	378.25	1/4	38.71	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,082.72	1/2	1,740.30	1/2	1,397.88	1/2	1,055.53	1/2	713.53	1/2	371.12	1/2	32.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,075.59	3/4	1,733.16	3/4	1,390.74	3/4	1,048.41	3/4	706.40	3/4	363.99	3/4	28.01	3/4	3/4	3/4	3/4	3/4	3/4
4	2,068.45	4	1,726.03	4	1,383.61	4	1,041.29	4	699.26	4	356.85	4	23.55	4	4	4	4	4	4
1/4	2,061.32	1/4	1,718.90	1/4	1,376.47	1/4	1,034.17	1/4	692.13	1/4	349.72	1/4	19.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,054.18	1/2	1,711.76	1/2	1,369.34	1/2	1,027.05	1/2	685.00	1/2	342.58	1/2	14.64	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,047.05	3/4	1,704.63	3/4	1,362.21	3/4	1,019.93	3/4	677.86	3/4	335.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	2,039.92	5	1,697.49	5	1,355.07	5	1,012.81	5	670.73	5	328.32	5		5	5	5	5	5	5
1/4	2,032.78	1/4	1,690.36	1/4	1,347.94	1/4	1,005.69	1/4	663.60	1/4	321.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,025.65	1/2	1,683.23	1/2	1,340.80	1/2	998.57	1/2	656.46	1/2	314.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,018.52	3/4	1,676.09	3/4	1,333.67	3/4	991.45	3/4	649.33	3/4	306.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,011.38	6	1,668.96	6	1,326.54	6	984.33	6	642.20	6	299.78	6		6	6	6	6	6	6
1/4	2,004.25	1/4	1,661.83	1/4	1,319.40	1/4	977.21	1/4	635.06	1/4	292.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,997.11	1/2	1,654.69	1/2	1,312.27	1/2	970.09	1/2	627.93	1/2	285.52	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,989.98	3/4	1,647.56	3/4	1,305.14	3/4	962.97	3/4	620.79	3/4	278.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,982.85	7	1,640.42	7	1,298.00	7	955.86	7	613.66	7	271.25	7		7	7	7	7	7	7
1/4	1,975.71	1/4	1,633.29	1/4	1,290.87	1/4	948.74	1/4	606.53	1/4	264.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,968.58	1/2	1,626.16	1/2	1,283.73	1/2	941.62	1/2	599.39	1/2	256.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,961.45	3/4	1,619.02	3/4	1,276.60	3/4	934.50	3/4	592.26	3/4	249.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,954.31	8	1,611.89	8	1,269.47	8	927.38	8	585.13	8	242.71	8		8	8	8	8	8	8
1/4	1,947.18	1/4	1,604.76	1/4	1,262.33	1/4	920.26	1/4	577.99	1/4	235.58	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,940.04	1/2	1,597.62	1/2	1,255.20	1/2	913.14	1/2	570.86	1/2	228.45	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,932.91	3/4	1,590.49	3/4	1,248.07	3/4	906.02	3/4	563.73	3/4	221.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,925.78	9	1,583.35	9	1,240.93	9	898.90	9	556.59	9	214.18	9		9	9	9	9	9	9
1/4	1,918.64	1/4	1,576.22	1/4	1,233.80	1/4	891.78	1/4	549.46	1/4	207.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,911.51	1/2	1,569.09	1/2	1,226.66	1/2	884.66	1/2	542.33	1/2	199.91	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,904.37	3/4	1,561.95	3/4	1,219.53	3/4	877.54	3/4	535.19	3/4	192.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,897.24	10	1,554.82	10	1,212.40	10	870.42	10	528.06	10	185.65	10		10	10	10	10	10	10
1/4	1,890.11	1/4	1,547.68	1/4	1,205.26	1/4	863.30	1/4	520.92	1/4	178.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,882.97	1/2	1,540.55	1/2	1,198.13	1/2	856.18	1/2	513.79	1/2	171.38	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,875.84	3/4	1,533.42	3/4	1,190.99	3/4	849.05	3/4	506.66	3/4	164.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,868.71	11	1,526.28	11	1,183.86	11	841.92	11	499.52	11	157.11	11		11	11	11	11	11	11
1/4	1,861.57	1/4	1,519.15	1/4	1,176.73	1/4	834.80	1/4	492.39	1/4	149.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,854.44	1/2	1,512.02	1/2	1,169.59	1/2	827.67	1/2	485.26	1/2	142.84	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,847.30	3/4	1,504.88	3/4	1,162.46	3/4	820.54	3/4	478.12	3/4	135.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

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"

July 9, 2019

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "FMT 3296"

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	252.24	0	583.25	0	924.98	0	1,266.96	0	1,610.14	0	1,953.32	0	2,296.49	0	2,639.66	0	2,982.81
1/4	3.94	1/4	258.72	1/4	590.40	1/4	932.07	1/4	1,274.11	1/4	1,617.29	1/4	1,960.47	1/4	2,303.64	1/4	2,646.81	1/4	2,989.96
1/2	5.73	1/2	265.20	1/2	597.55	1/2	939.16	1/2	1,281.26	1/2	1,624.44	1/2	1,967.61	1/2	2,310.79	1/2	2,653.96	1/2	2,997.11
3/4	7.52	3/4	271.68	3/4	604.70	3/4	946.25	3/4	1,288.41	3/4	1,631.59	3/4	1,974.76	3/4	2,317.94	3/4	2,661.11	3/4	3,004.26
1	9.30	1	278.16	1	611.85	1	953.34	1	1,295.56	1	1,638.74	1	1,981.91	1	2,325.09	1	2,668.26	1	3,011.41
1/4	12.11	1/4	284.73	1/4	619.00	1/4	960.43	1/4	1,302.71	1/4	1,645.89	1/4	1,989.06	1/4	2,332.24	1/4	2,675.41	1/4	3,018.55
1/2	14.91	1/2	291.29	1/2	626.15	1/2	967.51	1/2	1,309.86	1/2	1,653.04	1/2	1,996.21	1/2	2,339.39	1/2	2,682.56	1/2	3,025.70
3/4	17.71	3/4	297.85	3/4	633.30	3/4	974.60	3/4	1,317.01	3/4	1,660.19	3/4	2,003.36	3/4	2,346.54	3/4	2,689.70	3/4	3,032.85
2	20.51	2	304.42	2	640.44	2	981.69	2	1,324.16	2	1,667.34	2	2,010.51	2	2,353.69	2	2,696.85	2	3,040.00
1/4	24.37	1/4	311.07	1/4	647.59	1/4	988.78	1/4	1,331.31	1/4	1,674.49	1/4	2,017.66	1/4	2,360.84	1/4	2,704.00	1/4	3,047.14
1/2	28.23	1/2	317.72	1/2	654.74	1/2	995.87	1/2	1,338.46	1/2	1,681.63	1/2	2,024.81	1/2	2,367.99	1/2	2,711.15	1/2	3,054.29
3/4	32.08	3/4	324.36	3/4	661.89	3/4	1,002.96	3/4	1,345.61	3/4	1,688.78	3/4	2,031.96	3/4	2,375.14	3/4	2,718.30	3/4	3,061.44
3	35.94	3	331.01	3	669.04	3	1,010.05	3	1,352.76	3	1,695.93	3	2,039.11	3	2,382.29	3	2,725.45	3	3,068.58
1/4	41.20	1/4	337.74	1/4	676.19	1/4	1,017.14	1/4	1,359.91	1/4	1,703.08	1/4	2,046.26	1/4	2,389.44	1/4	2,732.60	1/4	3,075.73
1/2	46.47	1/2	344.48	1/2	683.34	1/2	1,024.23	1/2	1,367.06	1/2	1,710.23	1/2	2,053.41	1/2	2,396.58	1/2	2,739.75	1/2	3,082.88
3/4	51.73	3/4	351.21	3/4	690.49	3/4	1,031.33	3/4	1,374.21	3/4	1,717.38	3/4	2,060.56	3/4	2,403.73	3/4	2,746.90	3/4	3,090.03
4	56.99	4	357.94	4	697.64	4	1,038.42	4	1,381.36	4	1,724.53	4	2,067.71	4	2,410.88	4	2,754.05	4	3,097.17
1/4	62.78	1/4	364.75	1/4	704.79	1/4	1,045.53	1/4	1,388.51	1/4	1,731.68	1/4	2,074.86	1/4	2,418.03	1/4	2,761.19	1/4	3,104.32
1/2	68.57	1/2	371.57	1/2	711.94	1/2	1,052.63	1/2	1,395.65	1/2	1,738.83	1/2	2,082.01	1/2	2,425.18	1/2	2,768.34	1/2	3,111.47
3/4	74.36	3/4	378.38	3/4	719.09	3/4	1,059.74	3/4	1,402.80	3/4	1,745.98	3/4	2,089.16	3/4	2,432.33	3/4	2,775.49	3/4	3,118.61
5	80.15	5	385.20	5	726.24	5	1,066.85	5	1,409.95	5	1,753.13	5	2,096.31	5	2,439.48	5	2,782.64	5	3,125.76
1/4	86.04	1/4	392.10	1/4	733.37	1/4	1,073.98	1/4	1,417.10	1/4	1,760.28	1/4	2,103.46	1/4	2,446.63	1/4	2,789.79	1/4	3,132.91
1/2	91.93	1/2	399.00	1/2	740.50	1/2	1,081.11	1/2	1,424.25	1/2	1,767.43	1/2	2,110.60	1/2	2,453.78	1/2	2,796.94	1/2	3,140.06
3/4	97.82	3/4	405.90	3/4	747.63	3/4	1,088.24	3/4	1,431.40	3/4	1,774.58	3/4	2,117.75	3/4	2,460.93	3/4	2,804.09	3/4	3,147.20
6	103.71	6	412.79	6	754.76	6	1,095.38	6	1,438.55	6	1,781.73	6	2,124.90	6	2,468.08	6	2,811.24	6	3,154.35
1/4	109.69	1/4	419.77	1/4	761.87	1/4	1,102.53	1/4	1,445.70	1/4	1,788.88	1/4	2,132.05	1/4	2,475.23	1/4	2,818.39	1/4	3,161.50
1/2	115.67	1/2	426.75	1/2	768.97	1/2	1,109.67	1/2	1,452.85	1/2	1,796.03	1/2	2,139.20	1/2	2,482.38	1/2	2,825.54	1/2	3,168.64
3/4	121.65	3/4	433.73	3/4	776.08	3/4	1,116.82	3/4	1,460.00	3/4	1,803.18	3/4	2,146.35	3/4	2,489.53	3/4	2,832.68	3/4	3,175.79
7	127.63	7	440.71	7	783.19	7	1,123.97	7	1,467.15	7	1,810.33	7	2,153.50	7	2,496.68	7	2,839.83	7	3,182.94
1/4	133.69	1/4	447.77	1/4	790.28	1/4	1,131.12	1/4	1,474.30	1/4	1,817.48	1/4	2,160.65	1/4	2,503.83	1/4	2,846.98	1/4	3,190.09
1/2	139.76	1/2	454.83	1/2	797.37	1/2	1,138.27	1/2	1,481.45	1/2	1,824.62	1/2	2,167.80	1/2	2,510.98	1/2	2,854.13	1/2	3,197.23
3/4	145.82	3/4	461.89	3/4	804.47	3/4	1,145.42	3/4	1,488.60	3/4	1,831.77	3/4	2,174.95	3/4	2,518.13	3/4	2,861.28	3/4	3,204.38
8	151.88	8	468.96	8	811.56	8	1,152.57	8	1,495.75	8	1,838.92	8	2,182.10	8	2,525.28	8	2,868.43	8	3,211.53
1/4	158.03	1/4	476.08	1/4	818.65	1/4	1,159.72	1/4	1,502.90	1/4	1,846.07	1/4	2,189.25	1/4	2,532.43	1/4	2,875.58	1/4	3,218.67
1/2	164.18	1/2	483.21	1/2	825.74	1/2	1,166.87	1/2	1,510.05	1/2	1,853.22	1/2	2,196.40	1/2	2,539.57	1/2	2,882.73	1/2	3,225.82
3/4	170.32	3/4	490.33	3/4	832.82	3/4	1,174.02	3/4	1,517.20	3/4	1,860.37	3/4	2,203.55	3/4	2,546.72	3/4	2,889.88	3/4	3,232.97
9	176.47	9	497.46	9	839.91	9	1,181.17	9	1,524.35	9	1,867.52	9	2,210.70	9	2,553.87	9	2,897.03	9	3,240.11
1/4	182.70	1/4	504.61	1/4	847.00	1/4	1,188.32	1/4	1,531.50	1/4	1,874.67	1/4	2,217.85	1/4	2,561.02	1/4	2,904.17	1/4	3,247.26
1/2	188.93	1/2	511.76	1/2	854.09	1/2	1,195.47	1/2	1,538.64	1/2	1,881.82	1/2	2,225.00	1/2	2,568.17	1/2	2,911.32	1/2	3,254.41
3/4	195.16	3/4	518.91	3/4	861.18	3/4	1,202.62	3/4	1,545.79	3/4	1,888.97	3/4	2,232.15	3/4	2,575.32	3/4	2,918.47	3/4	3,261.56
10	201.39	10	526.06	10	868.27	10	1,209.77	10	1,552.94	10	1,896.12	10	2,239.30	10	2,582.47	10	2,925.62	10	3,268.70
1/4	207.71	1/4	533.21	1/4	875.36	1/4	1,216.92	1/4	1,560.09	1/4	1,903.27	1/4	2,246.45	1/4	2,589.62	1/4	2,932.77	1/4	3,275.85
1/2	214.02	1/2	540.35	1/2	882.45	1/2	1,224.07	1/2	1,567.24	1/2	1,910.42	1/2	2,253.59	1/2	2,596.77	1/2	2,939.92	1/2	3,283.00
3/4	220.33	3/4	547.50	3/4	889.54	3/4	1,231.22	3/4	1,574.39	3/4	1,917.57	3/4	2,260.74	3/4	2,603.92	3/4	2,947.07	3/4	3,290.14
11	226.65	11	554.65	11	896.62	11	1,238.37	11	1,581.54	11	1,924.72	11	2,267.89	11	2,611.07	11	2,954.22	11	3,297.29
1/4	233.04	1/4	561.80	1/4	903.71	1/4	1,245.52	1/4	1,588.69	1/4	1,931.87	1/4	2,275.04	1/4	2,618.22	1/4	2,961.37	1/4	3,304.44
1/2	239.44	1/2	568.95	1/2	910.80	1/2	1,252.66	1/2	1,595.84	1/2	1,939.02	1/2	2,282.19	1/2	2,625.37	1/2	2,968.52	1/2	3,311.59
3/4	245.84	3/4	576.10	3/4	917.89	3/4	1,259.81	3/4	1,602.99	3/4	1,946.17	3/4	2,289.34	3/4	2,632.51	3/4	2,975.66	3/4	3,318.73

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



BARGE "FMT 3296"

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	3,325.88	0	3,668.95	0	4,012.11	0	4,354.80	0	4,696.39	0	5,017.82	0		0		0		0	
1/4	3,333.03	1/4	3,676.10	1/4	4,019.25	1/4	4,361.92	1/4	4,703.50	1/4	5,021.02	1/4		1/4		1/4		1/4	
1/2	3,340.17	1/2	3,683.25	1/2	4,026.40	1/2	4,369.03	1/2	4,710.62	1/2	5,024.22	1/2		1/2		1/2		1/2	
3/4	3,347.32	3/4	3,690.40	3/4	4,033.55	3/4	4,376.15	3/4	4,717.74	3/4	5,027.42	3/4		3/4		3/4		3/4	
1	3,354.47	1	3,697.54	1	4,040.70	1	4,383.27	1	4,724.85	1	5,030.61	1		1		1		1	
1/4	3,361.62	1/4	3,704.69	1/4	4,047.85	1/4	4,390.38	1/4	4,731.97	1/4	5,032.62	1/4		1/4		1/4		1/4	
1/2	3,368.76	1/2	3,711.84	1/2	4,055.00	1/2	4,397.50	1/2	4,739.09	1/2	5,034.63	1/2		1/2		1/2		1/2	
3/4	3,375.91	3/4	3,718.99	3/4	4,062.15	3/4	4,404.61	3/4	4,746.20	3/4	5,036.64	3/4		3/4		3/4		3/4	
2	3,383.06	2	3,726.14	2	4,069.30	2	4,411.73	2	4,753.32	2	5,038.64	2		2		2		2	
1/4	3,390.20	1/4	3,733.29	1/4	4,076.45	1/4	4,418.85	1/4	4,760.43	1/4	5,039.57	1/4		1/4		1/4		1/4	
1/2	3,397.35	1/2	3,740.44	1/2	4,083.60	1/2	4,425.96	1/2	4,767.55	1/2	5,040.50	1/2		1/2		1/2		1/2	
3/4	3,404.50	3/4	3,747.59	3/4	4,090.75	3/4	4,433.08	3/4	4,774.67	3/4	5,041.43	3/4		3/4		3/4		3/4	
3	3,411.65	3	3,754.74	3	4,097.89	3	4,440.20	3	4,781.78	3	5,042.36	3		3		3		3	
1/4	3,418.79	1/4	3,761.89	1/4	4,105.04	1/4	4,447.31	1/4	4,788.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,425.94	1/2	3,769.04	1/2	4,112.19	1/2	4,454.43	1/2	4,796.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,433.09	3/4	3,776.19	3/4	4,119.34	3/4	4,461.55	3/4	4,803.13	3/4		3/4		3/4		3/4		3/4	
4	3,440.23	4	3,783.33	4	4,126.49	4	4,468.66	4	4,810.25	4		4		4		4		4	
1/4	3,447.38	1/4	3,790.48	1/4	4,133.64	1/4	4,475.78	1/4	4,817.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,454.53	1/2	3,797.63	1/2	4,140.79	1/2	4,482.90	1/2	4,824.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,461.68	3/4	3,804.78	3/4	4,147.94	3/4	4,490.01	3/4	4,831.53	3/4		3/4		3/4		3/4		3/4	
5	3,468.82	5	3,811.93	5	4,155.09	5	4,497.13	5	4,838.62	5		5		5		5		5	
1/4	3,475.97	1/4	3,819.08	1/4	4,162.24	1/4	4,504.24	1/4	4,845.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,483.12	1/2	3,826.23	1/2	4,169.39	1/2	4,511.36	1/2	4,852.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,490.26	3/4	3,833.38	3/4	4,176.53	3/4	4,518.48	3/4	4,859.84	3/4		3/4		3/4		3/4		3/4	
6	3,497.41	6	3,840.53	6	4,183.68	6	4,525.59	6	4,866.91	6		6		6		6		6	
1/4	3,504.56	1/4	3,847.68	1/4	4,190.83	1/4	4,532.71	1/4	4,873.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,511.70	1/2	3,854.83	1/2	4,197.98	1/2	4,539.83	1/2	4,881.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,518.85	3/4	3,861.97	3/4	4,205.13	3/4	4,546.94	3/4	4,888.12	3/4		3/4		3/4		3/4		3/4	
7	3,526.00	7	3,869.12	7	4,212.28	7	4,554.06	7	4,895.19	7		7		7		7		7	
1/4	3,533.15	1/4	3,876.27	1/4	4,219.43	1/4	4,561.18	1/4	4,902.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,540.29	1/2	3,883.42	1/2	4,226.58	1/2	4,568.29	1/2	4,909.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,547.44	3/4	3,890.57	3/4	4,233.73	3/4	4,575.41	3/4	4,916.39	3/4		3/4		3/4		3/4		3/4	
8	3,554.59	8	3,897.72	8	4,240.88	8	4,582.52	8	4,923.45	8		8		8		8		8	
1/4	3,561.73	1/4	3,904.87	1/4	4,248.01	1/4	4,589.64	1/4	4,930.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,568.88	1/2	3,912.02	1/2	4,255.14	1/2	4,596.76	1/2	4,937.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,576.03	3/4	3,919.17	3/4	4,262.27	3/4	4,603.87	3/4	4,944.54	3/4		3/4		3/4		3/4		3/4	
9	3,583.18	9	3,926.32	9	4,269.40	9	4,610.99	9	4,951.57	9		9		9		9		9	
1/4	3,590.32	1/4	3,933.47	1/4	4,276.52	1/4	4,618.11	1/4	4,958.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,597.47	1/2	3,940.61	1/2	4,283.64	1/2	4,625.22	1/2	4,964.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,604.62	3/4	3,947.76	3/4	4,290.75	3/4	4,632.34	3/4	4,971.34	3/4		3/4		3/4		3/4		3/4	
10	3,611.76	10	3,954.91	10	4,297.87	10	4,639.46	10	4,977.93	10		10		10		10		10	
1/4	3,618.91	1/4	3,962.06	1/4	4,304.99	1/4	4,646.57	1/4	4,983.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,626.06	1/2	3,969.21	1/2	4,312.10	1/2	4,653.69	1/2	4,989.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,633.21	3/4	3,976.36	3/4	4,319.22	3/4	4,660.81	3/4	4,994.68	3/4		3/4		3/4		3/4		3/4	
11	3,640.35	11	3,983.51	11	4,326.33	11	4,667.92	11	5,000.26	11		11		11		11		11	
1/4	3,647.50	1/4	3,990.66	1/4	4,333.45	1/4	4,675.04	1/4	5,004.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,654.65	1/2	3,997.81	1/2	4,340.57	1/2	4,682.15	1/2	5,009.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,661.80	3/4	4,004.96	3/4	4,347.68	3/4	4,689.27	3/4	5,013.43	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

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	252.03	0	582.85	0	925.62	0	1,268.44	0	1,611.39	0	1,954.33	0	2,297.28	0	2,640.22	0	2,983.14
1/4	3.94	1/4	258.51	1/4	589.99	1/4	932.76	1/4	1,275.59	1/4	1,618.53	1/4	1,961.48	1/4	2,304.42	1/4	2,647.36	1/4	2,990.28
1/2	5.72	1/2	264.98	1/2	597.14	1/2	939.89	1/2	1,282.73	1/2	1,625.68	1/2	1,968.62	1/2	2,311.57	1/2	2,654.51	1/2	2,997.43
3/4	7.51	3/4	271.46	3/4	604.28	3/4	947.03	3/4	1,289.87	3/4	1,632.82	3/4	1,975.77	3/4	2,318.71	3/4	2,661.65	3/4	3,004.57
1	9.30	1	277.93	1	611.43	1	954.17	1	1,297.02	1	1,639.97	1	1,982.91	1	2,325.86	1	2,668.79	1	3,011.71
1/4	12.10	1/4	284.49	1/4	618.57	1/4	961.30	1/4	1,304.16	1/4	1,647.11	1/4	1,990.06	1/4	2,333.00	1/4	2,675.94	1/4	3,018.86
1/2	14.89	1/2	291.05	1/2	625.72	1/2	968.44	1/2	1,311.31	1/2	1,654.25	1/2	1,997.20	1/2	2,340.15	1/2	2,683.08	1/2	3,026.00
3/4	17.69	3/4	297.61	3/4	632.86	3/4	975.57	3/4	1,318.45	3/4	1,661.40	3/4	2,004.34	3/4	2,347.29	3/4	2,690.23	3/4	3,033.14
2	20.49	2	304.17	2	640.01	2	982.71	2	1,325.60	2	1,668.54	2	2,011.49	2	2,354.44	2	2,697.37	2	3,040.28
1/4	24.35	1/4	310.82	1/4	647.15	1/4	989.84	1/4	1,332.74	1/4	1,675.69	1/4	2,018.63	1/4	2,361.58	1/4	2,704.51	1/4	3,047.43
1/2	28.20	1/2	317.46	1/2	654.29	1/2	996.98	1/2	1,339.89	1/2	1,682.83	1/2	2,025.78	1/2	2,368.72	1/2	2,711.66	1/2	3,054.57
3/4	32.06	3/4	324.10	3/4	661.44	3/4	1,004.12	3/4	1,347.03	3/4	1,689.98	3/4	2,032.92	3/4	2,375.87	3/4	2,718.80	3/4	3,061.71
3	35.91	3	330.75	3	668.58	3	1,011.25	3	1,354.18	3	1,697.12	3	2,040.07	3	2,383.01	3	2,725.95	3	3,068.85
1/4	41.17	1/4	337.47	1/4	675.73	1/4	1,018.39	1/4	1,361.32	1/4	1,704.27	1/4	2,047.21	1/4	2,390.16	1/4	2,733.09	1/4	3,075.99
1/2	46.43	1/2	344.20	1/2	682.87	1/2	1,025.53	1/2	1,368.47	1/2	1,711.41	1/2	2,054.36	1/2	2,397.30	1/2	2,740.24	1/2	3,083.14
3/4	51.69	3/4	350.93	3/4	690.02	3/4	1,032.67	3/4	1,375.61	3/4	1,718.56	3/4	2,061.50	3/4	2,404.45	3/4	2,747.38	3/4	3,090.28
4	56.94	4	357.65	4	697.16	4	1,039.81	4	1,382.76	4	1,725.70	4	2,068.65	4	2,411.59	4	2,754.52	4	3,097.42
1/4	62.73	1/4	364.46	1/4	704.31	1/4	1,046.96	1/4	1,389.90	1/4	1,732.85	1/4	2,075.79	1/4	2,418.74	1/4	2,761.67	1/4	3,104.56
1/2	68.51	1/2	371.27	1/2	711.45	1/2	1,054.10	1/2	1,397.05	1/2	1,739.99	1/2	2,082.94	1/2	2,425.88	1/2	2,768.81	1/2	3,111.71
3/4	74.30	3/4	378.08	3/4	718.60	3/4	1,061.24	3/4	1,404.19	3/4	1,747.14	3/4	2,090.08	3/4	2,433.03	3/4	2,775.96	3/4	3,118.85
5	80.08	5	384.89	5	725.74	5	1,068.39	5	1,411.33	5	1,754.28	5	2,097.23	5	2,440.17	5	2,783.10	5	3,125.99
1/4	85.97	1/4	391.79	1/4	732.88	1/4	1,075.53	1/4	1,418.48	1/4	1,761.43	1/4	2,104.37	1/4	2,447.32	1/4	2,790.24	1/4	3,133.13
1/2	91.85	1/2	398.68	1/2	740.03	1/2	1,082.68	1/2	1,425.62	1/2	1,768.57	1/2	2,111.52	1/2	2,454.46	1/2	2,797.39	1/2	3,140.27
3/4	97.74	3/4	405.57	3/4	747.17	3/4	1,089.82	3/4	1,432.77	3/4	1,775.71	3/4	2,118.66	3/4	2,461.61	3/4	2,804.53	3/4	3,147.42
6	103.62	6	412.47	6	754.32	6	1,096.97	6	1,439.91	6	1,782.86	6	2,125.80	6	2,468.75	6	2,811.68	6	3,154.56
1/4	109.60	1/4	419.45	1/4	761.46	1/4	1,104.11	1/4	1,447.06	1/4	1,790.00	1/4	2,132.95	1/4	2,475.90	1/4	2,818.82	1/4	3,161.70
1/2	115.57	1/2	426.42	1/2	768.60	1/2	1,111.26	1/2	1,454.20	1/2	1,797.15	1/2	2,140.09	1/2	2,483.04	1/2	2,825.97	1/2	3,168.84
3/4	121.55	3/4	433.40	3/4	775.75	3/4	1,118.40	3/4	1,461.35	3/4	1,804.29	3/4	2,147.24	3/4	2,490.18	3/4	2,833.11	3/4	3,175.99
7	127.52	7	440.38	7	782.89	7	1,125.55	7	1,468.49	7	1,811.44	7	2,154.38	7	2,497.33	7	2,840.25	7	3,183.13
1/4	133.58	1/4	447.44	1/4	790.03	1/4	1,132.69	1/4	1,475.64	1/4	1,818.58	1/4	2,161.53	1/4	2,504.47	1/4	2,847.40	1/4	3,190.27
1/2	139.64	1/2	454.50	1/2	797.17	1/2	1,139.84	1/2	1,482.78	1/2	1,825.73	1/2	2,168.67	1/2	2,511.62	1/2	2,854.54	1/2	3,197.41
3/4	145.70	3/4	461.56	3/4	804.31	3/4	1,146.98	3/4	1,489.93	3/4	1,832.87	3/4	2,175.82	3/4	2,518.76	3/4	2,861.69	3/4	3,204.56
8	151.75	8	468.62	8	811.45	8	1,154.13	8	1,497.07	8	1,840.02	8	2,182.96	8	2,525.91	8	2,868.83	8	3,211.70
1/4	157.90	1/4	475.75	1/4	818.59	1/4	1,161.27	1/4	1,504.22	1/4	1,847.16	1/4	2,190.11	1/4	2,533.05	1/4	2,875.98	1/4	3,218.84
1/2	164.04	1/2	482.87	1/2	825.72	1/2	1,168.41	1/2	1,511.36	1/2	1,854.31	1/2	2,197.25	1/2	2,540.20	1/2	2,883.12	1/2	3,225.98
3/4	170.18	3/4	489.99	3/4	832.86	3/4	1,175.56	3/4	1,518.51	3/4	1,861.45	3/4	2,204.40	3/4	2,547.34	3/4	2,890.26	3/4	3,233.12
9	176.32	9	497.12	9	839.99	9	1,182.70	9	1,525.65	9	1,868.60	9	2,211.54	9	2,554.49	9	2,897.41	9	3,240.27
1/4	182.55	1/4	504.26	1/4	847.13	1/4	1,189.85	1/4	1,532.79	1/4	1,875.74	1/4	2,218.69	1/4	2,561.63	1/4	2,904.55	1/4	3,247.41
1/2	188.77	1/2	511.40	1/2	854.26	1/2	1,196.99	1/2	1,539.94	1/2	1,882.88	1/2	2,225.83	1/2	2,568.78	1/2	2,911.70	1/2	3,254.55
3/4	195.00	3/4	518.55	3/4	861.40	3/4	1,204.14	3/4	1,547.08	3/4	1,890.03	3/4	2,232.98	3/4	2,575.92	3/4	2,918.84	3/4	3,261.69
10	201.22	10	525.69	10	868.54	10	1,211.28	10	1,554.23	10	1,897.17	10	2,240.12	10	2,583.07	10	2,925.98	10	3,268.84
1/4	207.53	1/4	532.84	1/4	875.67	1/4	1,218.43	1/4	1,561.37	1/4	1,904.32	1/4	2,247.26	1/4	2,590.21	1/4	2,933.13	1/4	3,275.98
1/2	213.84	1/2	539.98	1/2	882.81	1/2	1,225.57	1/2	1,568.52	1/2	1,911.46	1/2	2,254.41	1/2	2,597.35	1/2	2,940.27	1/2	3,283.12
3/4	220.15	3/4	547.13	3/4	889.94	3/4	1,232.72	3/4	1,575.66	3/4	1,918.61	3/4	2,261.55	3/4	2,604.50	3/4	2,947.42	3/4	3,290.26
11	226.46	11	554.27	11	897.08	11	1,239.86	11	1,582.81	11	1,925.75	11	2,268.70	11	2,611.64	11	2,954.56	11	3,297.41
1/4	232.85	1/4	561.42	1/4	904.21	1/4	1,247.01	1/4	1,589.95	1/4	1,932.90	1/4	2,275.84	1/4	2,618.79	1/4	2,961.71	1/4	3,304.55
1/2	239.24	1/2	568.56	1/2	911.35	1/2	1,254.15	1/2	1,597.10	1/2	1,940.04	1/2	2,282.99	1/2	2,625.93	1/2	2,968.85	1/2	3,311.69
3/4	245.64	3/4	575.71	3/4	918.49	3/4	1,261.30	3/4	1,604.24	3/4	1,947.19	3/4	2,290.13	3/4	2,633.07	3/4	2,975.99	3/4	3,318.83

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 3296"

**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	3,325.97	0	3,668.81	0	4,011.74	0	4,354.20	0	4,695.56	0	5,016.77	0		0		0		0	
1/4	3,333.12	1/4	3,675.96	1/4	4,018.88	1/4	4,361.32	1/4	4,702.67	1/4	5,019.97	1/4		1/4		1/4		1/4	
1/2	3,340.26	1/2	3,683.10	1/2	4,026.03	1/2	4,368.43	1/2	4,709.78	1/2	5,023.16	1/2		1/2		1/2		1/2	
3/4	3,347.40	3/4	3,690.25	3/4	4,033.17	3/4	4,375.54	3/4	4,716.90	3/4	5,026.36	3/4		3/4		3/4		3/4	
1	3,354.54	1	3,697.39	1	4,040.32	1	4,382.65	1	4,724.01	1	5,029.56	1		1		1		1	
1/4	3,361.69	1/4	3,704.53	1/4	4,047.46	1/4	4,389.76	1/4	4,731.12	1/4	5,031.56	1/4		1/4		1/4		1/4	
1/2	3,368.83	1/2	3,711.68	1/2	4,054.60	1/2	4,396.87	1/2	4,738.23	1/2	5,033.57	1/2		1/2		1/2		1/2	
3/4	3,375.97	3/4	3,718.82	3/4	4,061.75	3/4	4,403.98	3/4	4,745.34	3/4	5,035.57	3/4		3/4		3/4		3/4	
2	3,383.11	2	3,725.97	2	4,068.89	2	4,411.10	2	4,752.45	2	5,037.58	2		2		2		2	
1/4	3,390.26	1/4	3,733.11	1/4	4,076.04	1/4	4,418.21	1/4	4,759.56	1/4	5,038.51	1/4		1/4		1/4		1/4	
1/2	3,397.40	1/2	3,740.26	1/2	4,083.18	1/2	4,425.32	1/2	4,766.68	1/2	5,039.44	1/2		1/2		1/2		1/2	
3/4	3,404.54	3/4	3,747.40	3/4	4,090.33	3/4	4,432.43	3/4	4,773.79	3/4	5,040.37	3/4		3/4		3/4		3/4	
3	3,411.68	3	3,754.54	3	4,097.47	3	4,439.54	3	4,780.90	3	5,041.30	3		3		3		3	
1/4	3,418.82	1/4	3,761.69	1/4	4,104.61	1/4	4,446.65	1/4	4,788.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,425.97	1/2	3,768.83	1/2	4,111.76	1/2	4,453.77	1/2	4,795.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,433.11	3/4	3,775.98	3/4	4,118.90	3/4	4,460.88	3/4	4,802.23	3/4		3/4		3/4		3/4		3/4	
4	3,440.25	4	3,783.12	4	4,126.05	4	4,467.99	4	4,809.35	4		4		4		4		4	
1/4	3,447.39	1/4	3,790.27	1/4	4,133.19	1/4	4,475.10	1/4	4,816.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,454.54	1/2	3,797.41	1/2	4,140.34	1/2	4,482.21	1/2	4,823.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,461.68	3/4	3,804.55	3/4	4,147.48	3/4	4,489.32	3/4	4,830.61	3/4		3/4		3/4		3/4		3/4	
5	3,468.82	5	3,811.70	5	4,154.63	5	4,496.44	5	4,837.70	5		5		5		5		5	
1/4	3,475.96	1/4	3,818.84	1/4	4,161.77	1/4	4,503.55	1/4	4,844.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,483.11	1/2	3,825.99	1/2	4,168.91	1/2	4,510.66	1/2	4,851.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,490.25	3/4	3,833.13	3/4	4,176.06	3/4	4,517.77	3/4	4,858.90	3/4		3/4		3/4		3/4		3/4	
6	3,497.39	6	3,840.28	6	4,183.20	6	4,524.88	6	4,865.97	6		6		6		6		6	
1/4	3,504.53	1/4	3,847.42	1/4	4,190.35	1/4	4,531.99	1/4	4,873.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,511.67	1/2	3,854.56	1/2	4,197.49	1/2	4,539.11	1/2	4,880.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,518.82	3/4	3,861.71	3/4	4,204.64	3/4	4,546.22	3/4	4,887.16	3/4		3/4		3/4		3/4		3/4	
7	3,525.96	7	3,868.85	7	4,211.78	7	4,553.33	7	4,894.23	7		7		7		7		7	
1/4	3,533.10	1/4	3,876.00	1/4	4,218.92	1/4	4,560.44	1/4	4,901.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,540.24	1/2	3,883.14	1/2	4,226.07	1/2	4,567.55	1/2	4,908.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,547.39	3/4	3,890.29	3/4	4,233.21	3/4	4,574.66	3/4	4,915.41	3/4		3/4		3/4		3/4		3/4	
8	3,554.53	8	3,897.43	8	4,240.36	8	4,581.77	8	4,922.47	8		8		8		8		8	
1/4	3,561.67	1/4	3,904.57	1/4	4,247.48	1/4	4,588.89	1/4	4,929.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,568.81	1/2	3,911.72	1/2	4,254.61	1/2	4,596.00	1/2	4,936.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,575.96	3/4	3,918.86	3/4	4,261.74	3/4	4,603.11	3/4	4,943.54	3/4		3/4		3/4		3/4		3/4	
9	3,583.10	9	3,926.01	9	4,268.86	9	4,610.22	9	4,950.57	9		9		9		9		9	
1/4	3,590.24	1/4	3,933.15	1/4	4,275.98	1/4	4,617.33	1/4	4,957.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,597.38	1/2	3,940.30	1/2	4,283.09	1/2	4,624.44	1/2	4,963.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,604.52	3/4	3,947.44	3/4	4,290.20	3/4	4,631.56	3/4	4,970.32	3/4		3/4		3/4		3/4		3/4	
10	3,611.67	10	3,954.58	10	4,297.31	10	4,638.67	10	4,976.91	10		10		10		10		10	
1/4	3,618.81	1/4	3,961.73	1/4	4,304.42	1/4	4,645.78	1/4	4,982.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,625.95	1/2	3,968.87	1/2	4,311.53	1/2	4,652.89	1/2	4,988.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,633.09	3/4	3,976.02	3/4	4,318.65	3/4	4,660.00	3/4	4,993.64	3/4		3/4		3/4		3/4		3/4	
11	3,640.24	11	3,983.16	11	4,325.76	11	4,667.11	11	4,999.22	11		11		11		11		11	
1/4	3,647.38	1/4	3,990.31	1/4	4,332.87	1/4	4,674.23	1/4	5,003.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,654.52	1/2	3,997.45	1/2	4,339.98	1/2	4,681.34	1/2	5,008.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,661.67	3/4	4,004.59	3/4	4,347.09	3/4	4,688.45	3/4	5,012.38	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

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	2.16	0	300.87	0	644.53	0	980.32	0	1,317.36	0	1,661.03	0	2,004.71	0	2,348.38	0	2,692.06	0	3,035.73
1/4	3.95	1/4	308.03	1/4	651.69	1/4	987.18	1/4	1,324.52	1/4	1,668.19	1/4	2,011.87	1/4	2,355.54	1/4	2,699.22	1/4	3,042.89
1/2	5.74	1/2	315.19	1/2	658.85	1/2	994.03	1/2	1,331.68	1/2	1,675.35	1/2	2,019.03	1/2	2,362.70	1/2	2,706.38	1/2	3,050.04
3/4	7.53	3/4	322.35	3/4	666.01	3/4	1,000.88	3/4	1,338.84	3/4	1,682.51	3/4	2,026.19	3/4	2,369.86	3/4	2,713.54	3/4	3,057.20
1	9.32	1	329.51	1	673.17	1	1,007.73	1	1,346.00	1	1,689.67	1	2,033.35	1	2,377.02	1	2,720.70	1	3,064.36
1/4	12.89	1/4	336.67	1/4	680.33	1/4	1,014.58	1/4	1,353.16	1/4	1,696.83	1/4	2,040.51	1/4	2,384.18	1/4	2,727.86	1/4	3,071.51
1/2	16.47	1/2	343.83	1/2	687.49	1/2	1,021.44	1/2	1,360.32	1/2	1,703.99	1/2	2,047.67	1/2	2,391.34	1/2	2,735.02	1/2	3,078.67
3/4	20.05	3/4	350.99	3/4	694.65	3/4	1,028.29	3/4	1,367.48	3/4	1,711.15	3/4	2,054.83	3/4	2,398.50	3/4	2,742.18	3/4	3,085.83
2	23.63	2	358.15	2	701.81	2	1,035.14	2	1,374.64	2	1,718.31	2	2,061.99	2	2,405.66	2	2,749.34	2	3,092.99
1/4	29.00	1/4	365.31	1/4	708.97	1/4	1,041.99	1/4	1,381.80	1/4	1,725.47	1/4	2,069.15	1/4	2,412.82	1/4	2,756.50	1/4	3,100.14
1/2	34.37	1/2	372.47	1/2	716.13	1/2	1,048.84	1/2	1,388.96	1/2	1,732.63	1/2	2,076.31	1/2	2,419.98	1/2	2,763.66	1/2	3,107.30
3/4	39.74	3/4	379.63	3/4	723.29	3/4	1,055.69	3/4	1,396.12	3/4	1,739.79	3/4	2,083.47	3/4	2,427.14	3/4	2,770.82	3/4	3,114.46
3	45.11	3	386.79	3	730.45	3	1,062.55	3	1,403.28	3	1,746.95	3	2,090.63	3	2,434.30	3	2,777.98	3	3,121.62
1/4	51.80	1/4	393.95	1/4	737.61	1/4	1,069.40	1/4	1,410.44	1/4	1,754.11	1/4	2,097.79	1/4	2,441.46	1/4	2,785.14	1/4	3,128.78
1/2	58.50	1/2	401.10	1/2	744.77	1/2	1,076.26	1/2	1,417.60	1/2	1,761.27	1/2	2,104.95	1/2	2,448.62	1/2	2,792.30	1/2	3,135.93
3/4	65.19	3/4	408.26	3/4	751.93	3/4	1,083.12	3/4	1,424.76	3/4	1,768.43	3/4	2,112.11	3/4	2,455.78	3/4	2,799.46	3/4	3,143.09
4	71.88	4	415.42	4	759.08	4	1,089.97	4	1,431.92	4	1,775.59	4	2,119.27	4	2,462.94	4	2,806.62	4	3,150.25
1/4	79.02	1/4	422.58	1/4	766.24	1/4	1,096.84	1/4	1,439.08	1/4	1,782.75	1/4	2,126.43	1/4	2,470.10	1/4	2,813.78	1/4	3,157.41
1/2	86.16	1/2	429.74	1/2	773.40	1/2	1,103.71	1/2	1,446.24	1/2	1,789.91	1/2	2,133.59	1/2	2,477.26	1/2	2,820.94	1/2	3,164.56
3/4	93.29	3/4	436.90	3/4	780.56	3/4	1,110.58	3/4	1,453.40	3/4	1,797.07	3/4	2,140.75	3/4	2,484.42	3/4	2,828.10	3/4	3,171.72
5	100.43	5	444.06	5	787.72	5	1,117.45	5	1,460.56	5	1,804.23	5	2,147.91	5	2,491.58	5	2,835.26	5	3,178.88
1/4	107.58	1/4	451.22	1/4	794.74	1/4	1,124.46	1/4	1,467.72	1/4	1,811.39	1/4	2,155.07	1/4	2,498.74	1/4	2,842.42	1/4	3,186.04
1/2	114.74	1/2	458.38	1/2	801.76	1/2	1,131.48	1/2	1,474.88	1/2	1,818.55	1/2	2,162.23	1/2	2,505.90	1/2	2,849.58	1/2	3,193.20
3/4	121.89	3/4	465.54	3/4	808.78	3/4	1,138.50	3/4	1,482.03	3/4	1,825.71	3/4	2,169.39	3/4	2,513.06	3/4	2,856.74	3/4	3,200.35
6	129.04	6	472.70	6	815.80	6	1,145.52	6	1,489.19	6	1,832.87	6	2,176.55	6	2,520.22	6	2,863.90	6	3,207.51
1/4	136.20	1/4	479.86	1/4	822.67	1/4	1,152.68	1/4	1,496.35	1/4	1,840.03	1/4	2,183.71	1/4	2,527.38	1/4	2,871.06	1/4	3,214.67
1/2	143.36	1/2	487.02	1/2	829.54	1/2	1,159.84	1/2	1,503.51	1/2	1,847.19	1/2	2,190.87	1/2	2,534.54	1/2	2,878.22	1/2	3,221.83
3/4	150.52	3/4	494.18	3/4	836.40	3/4	1,167.00	3/4	1,510.67	3/4	1,854.35	3/4	2,198.02	3/4	2,541.70	3/4	2,885.38	3/4	3,228.99
7	157.68	7	501.34	7	843.27	7	1,174.16	7	1,517.83	7	1,861.51	7	2,205.18	7	2,548.86	7	2,892.54	7	3,236.14
1/4	164.84	1/4	508.50	1/4	850.13	1/4	1,181.32	1/4	1,524.99	1/4	1,868.67	1/4	2,212.34	1/4	2,556.02	1/4	2,899.70	1/4	3,243.30
1/2	172.00	1/2	515.66	1/2	856.98	1/2	1,188.48	1/2	1,532.15	1/2	1,875.83	1/2	2,219.50	1/2	2,563.18	1/2	2,906.86	1/2	3,250.46
3/4	179.16	3/4	522.82	3/4	863.84	3/4	1,195.64	3/4	1,539.31	3/4	1,882.99	3/4	2,226.66	3/4	2,570.34	3/4	2,914.01	3/4	3,257.62
8	186.32	8	529.98	8	870.70	8	1,202.80	8	1,546.47	8	1,890.15	8	2,233.82	8	2,577.50	8	2,921.17	8	3,264.77
1/4	193.48	1/4	537.14	1/4	877.55	1/4	1,209.96	1/4	1,553.63	1/4	1,897.31	1/4	2,240.98	1/4	2,584.66	1/4	2,928.33	1/4	3,271.93
1/2	200.64	1/2	544.30	1/2	884.40	1/2	1,217.12	1/2	1,560.79	1/2	1,904.47	1/2	2,248.14	1/2	2,591.82	1/2	2,935.49	1/2	3,279.09
3/4	207.80	3/4	551.46	3/4	891.25	3/4	1,224.28	3/4	1,567.95	3/4	1,911.63	3/4	2,255.30	3/4	2,598.98	3/4	2,942.65	3/4	3,286.25
9	214.96	9	558.62	9	898.10	9	1,231.44	9	1,575.11	9	1,918.79	9	2,262.46	9	2,606.14	9	2,949.81	9	3,293.41
1/4	222.11	1/4	565.78	1/4	904.95	1/4	1,238.60	1/4	1,582.27	1/4	1,925.95	1/4	2,269.62	1/4	2,613.30	1/4	2,956.97	1/4	3,300.56
1/2	229.27	1/2	572.94	1/2	911.81	1/2	1,245.76	1/2	1,589.43	1/2	1,933.11	1/2	2,276.78	1/2	2,620.46	1/2	2,964.13	1/2	3,307.72
3/4	236.43	3/4	580.09	3/4	918.66	3/4	1,252.92	3/4	1,596.59	3/4	1,940.27	3/4	2,283.94	3/4	2,627.62	3/4	2,971.29	3/4	3,314.88
10	243.59	10	587.25	10	925.51	10	1,260.08	10	1,603.75	10	1,947.43	10	2,291.10	10	2,634.78	10	2,978.45	10	3,322.04
1/4	250.75	1/4	594.41	1/4	932.36	1/4	1,267.24	1/4	1,610.91	1/4	1,954.59	1/4	2,298.26	1/4	2,641.94	1/4	2,985.61	1/4	3,329.19
1/2	257.91	1/2	601.57	1/2	939.21	1/2	1,274.40	1/2	1,618.07	1/2	1,961.75	1/2	2,305.42	1/2	2,649.10	1/2	2,992.77	1/2	3,336.35
3/4	265.07	3/4	608.73	3/4	946.06	3/4	1,281.56	3/4	1,625.23	3/4	1,968.91	3/4	2,312.58	3/4	2,656.26	3/4	2,999.93	3/4	3,343.51
11	272.23	11	615.89	11	952.92	11	1,288.72	11	1,632.39	11	1,976.07	11	2,319.74	11	2,663.42	11	3,007.09	11	3,350.67
1/4	279.39	1/4	623.05	1/4	959.77	1/4	1,295.88	1/4	1,639.55	1/4	1,983.23	1/4	2,326.90	1/4	2,670.58	1/4	3,014.25	1/4	3,357.83
1/2	286.55	1/2	630.21	1/2	966.62	1/2	1,303.04	1/2	1,646.71	1/2	1,990.39	1/2	2,334.06	1/2	2,677.74	1/2	3,021.41	1/2	3,364.98
3/4	293.71	3/4	637.37	3/4	973.47	3/4	1,310.20	3/4	1,653.87	3/4	1,997.55	3/4	2,341.22	3/4	2,684.90	3/4	3,028.57	3/4	3,372.14

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 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 3296"

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	3,379.30	0	3,722.87	0	4,066.45	0	4,409.57	0	4,751.58	0	5,073.40	0		0		0		0	
1/4	3,386.46	1/4	3,730.03	1/4	4,073.61	1/4	4,416.70	1/4	4,758.71	1/4	5,076.60	1/4		1/4		1/4		1/4	
1/2	3,393.61	1/2	3,737.19	1/2	4,080.76	1/2	4,423.82	1/2	4,765.83	1/2	5,079.81	1/2		1/2		1/2		1/2	
3/4	3,400.77	3/4	3,744.35	3/4	4,087.92	3/4	4,430.95	3/4	4,772.96	3/4	5,083.01	3/4		3/4		3/4		3/4	
1	3,407.93	1	3,751.50	1	4,095.08	1	4,438.07	1	4,780.08	1	5,086.21	1		1		1		1	
1/4	3,415.09	1/4	3,758.66	1/4	4,102.24	1/4	4,445.20	1/4	4,787.21	1/4	5,088.22	1/4		1/4		1/4		1/4	
1/2	3,422.25	1/2	3,765.82	1/2	4,109.39	1/2	4,452.33	1/2	4,794.33	1/2	5,090.23	1/2		1/2		1/2		1/2	
3/4	3,429.40	3/4	3,772.98	3/4	4,116.55	3/4	4,459.45	3/4	4,801.46	3/4	5,092.24	3/4		3/4		3/4		3/4	
2	3,436.56	2	3,780.14	2	4,123.71	2	4,466.58	2	4,808.59	2	5,094.24	2		2		2		2	
1/4	3,443.72	1/4	3,787.29	1/4	4,130.87	1/4	4,473.70	1/4	4,815.71	1/4	5,095.17	1/4		1/4		1/4		1/4	
1/2	3,450.88	1/2	3,794.45	1/2	4,138.03	1/2	4,480.83	1/2	4,822.84	1/2	5,096.10	1/2		1/2		1/2		1/2	
3/4	3,458.03	3/4	3,801.61	3/4	4,145.18	3/4	4,487.95	3/4	4,829.96	3/4	5,097.03	3/4		3/4		3/4		3/4	
3	3,465.19	3	3,808.77	3	4,152.34	3	4,495.08	3	4,837.09	3	5,097.96	3		3		3		3	
1/4	3,472.35	1/4	3,815.92	1/4	4,159.50	1/4	4,502.20	1/4	4,844.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,479.51	1/2	3,823.08	1/2	4,166.66	1/2	4,509.33	1/2	4,851.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,486.67	3/4	3,830.24	3/4	4,173.81	3/4	4,516.45	3/4	4,858.46	3/4		3/4		3/4		3/4		3/4	
4	3,493.82	4	3,837.40	4	4,180.97	4	4,523.58	4	4,865.59	4		4		4		4		4	
1/4	3,500.98	1/4	3,844.56	1/4	4,188.13	1/4	4,530.70	1/4	4,872.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,508.14	1/2	3,851.71	1/2	4,195.29	1/2	4,537.83	1/2	4,879.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,515.30	3/4	3,858.87	3/4	4,202.45	3/4	4,544.95	3/4	4,886.89	3/4		3/4		3/4		3/4		3/4	
5	3,522.45	5	3,866.03	5	4,209.60	5	4,552.08	5	4,894.00	5		5		5		5		5	
1/4	3,529.61	1/4	3,873.19	1/4	4,216.76	1/4	4,559.20	1/4	4,901.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,536.77	1/2	3,880.34	1/2	4,223.92	1/2	4,566.33	1/2	4,908.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,543.93	3/4	3,887.50	3/4	4,231.08	3/4	4,573.45	3/4	4,915.24	3/4		3/4		3/4		3/4		3/4	
6	3,551.09	6	3,894.66	6	4,238.23	6	4,580.58	6	4,922.32	6		6		6		6		6	
1/4	3,558.24	1/4	3,901.82	1/4	4,245.39	1/4	4,587.70	1/4	4,929.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,565.40	1/2	3,908.98	1/2	4,252.55	1/2	4,594.83	1/2	4,936.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,572.56	3/4	3,916.13	3/4	4,259.71	3/4	4,601.95	3/4	4,943.55	3/4		3/4		3/4		3/4		3/4	
7	3,579.72	7	3,923.29	7	4,266.87	7	4,609.08	7	4,950.63	7		7		7		7		7	
1/4	3,586.88	1/4	3,930.45	1/4	4,274.02	1/4	4,616.20	1/4	4,957.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,594.03	1/2	3,937.61	1/2	4,281.18	1/2	4,623.33	1/2	4,964.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,601.19	3/4	3,944.77	3/4	4,288.34	3/4	4,630.46	3/4	4,971.85	3/4		3/4		3/4		3/4		3/4	
8	3,608.35	8	3,951.92	8	4,295.50	8	4,637.58	8	4,978.92	8		8		8		8		8	
1/4	3,615.51	1/4	3,959.08	1/4	4,302.64	1/4	4,644.71	1/4	4,985.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,622.66	1/2	3,966.24	1/2	4,309.78	1/2	4,651.83	1/2	4,993.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,629.82	3/4	3,973.40	3/4	4,316.93	3/4	4,658.96	3/4	5,000.03	3/4		3/4		3/4		3/4		3/4	
9	3,636.98	9	3,980.55	9	4,324.07	9	4,666.08	9	5,007.07	9		9		9		9		9	
1/4	3,644.14	1/4	3,987.71	1/4	4,331.20	1/4	4,673.21	1/4	5,013.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,651.30	1/2	3,994.87	1/2	4,338.32	1/2	4,680.33	1/2	5,020.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,658.45	3/4	4,002.03	3/4	4,345.45	3/4	4,687.46	3/4	5,026.87	3/4		3/4		3/4		3/4		3/4	
10	3,665.61	10	4,009.19	10	4,352.57	10	4,694.58	10	5,033.47	10		10		10		10		10	
1/4	3,672.77	1/4	4,016.34	1/4	4,359.70	1/4	4,701.71	1/4	5,039.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,679.93	1/2	4,023.50	1/2	4,366.82	1/2	4,708.83	1/2	5,044.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,687.08	3/4	4,030.66	3/4	4,373.95	3/4	4,715.96	3/4	5,050.23	3/4		3/4		3/4		3/4		3/4	
11	3,694.24	11	4,037.82	11	4,381.07	11	4,723.08	11	5,055.82	11		11		11		11		11	
1/4	3,701.40	1/4	4,044.97	1/4	4,388.20	1/4	4,730.21	1/4	5,060.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,708.56	1/2	4,052.13	1/2	4,395.32	1/2	4,737.33	1/2	5,064.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,715.72	3/4	4,059.29	3/4	4,402.45	3/4	4,744.46	3/4	5,069.01	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

2 STBD

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	300.45	0	643.63	0	986.54	0	1,329.52	0	1,672.71	0	2,015.91	0	2,359.10	0	2,702.30	0	3,045.50
1/4	3.94	1/4	307.60	1/4	650.78	1/4	993.68	1/4	1,336.67	1/4	1,679.86	1/4	2,023.06	1/4	2,366.25	1/4	2,709.45	1/4	3,052.64
1/2	5.73	1/2	314.75	1/2	657.93	1/2	1,000.82	1/2	1,343.82	1/2	1,687.01	1/2	2,030.21	1/2	2,373.40	1/2	2,716.60	1/2	3,059.79
3/4	7.52	3/4	321.90	3/4	665.08	3/4	1,007.95	3/4	1,350.97	3/4	1,694.16	3/4	2,037.36	3/4	2,380.55	3/4	2,723.75	3/4	3,066.94
1	9.30	1	329.05	1	672.23	1	1,015.09	1	1,358.12	1	1,701.31	1	2,044.51	1	2,387.70	1	2,730.90	1	3,074.08
1/4	12.88	1/4	336.20	1/4	679.38	1/4	1,022.22	1/4	1,365.27	1/4	1,708.46	1/4	2,051.66	1/4	2,394.85	1/4	2,738.05	1/4	3,081.23
1/2	16.45	1/2	343.35	1/2	686.53	1/2	1,029.36	1/2	1,372.42	1/2	1,715.61	1/2	2,058.81	1/2	2,402.00	1/2	2,745.20	1/2	3,088.38
3/4	20.03	3/4	350.50	3/4	693.68	3/4	1,036.49	3/4	1,379.57	3/4	1,722.76	3/4	2,065.96	3/4	2,409.15	3/4	2,752.35	3/4	3,095.53
2	23.60	2	357.65	2	700.83	2	1,043.63	2	1,386.72	2	1,729.91	2	2,073.11	2	2,416.30	2	2,759.50	2	3,102.68
1/4	28.96	1/4	364.80	1/4	707.98	1/4	1,050.77	1/4	1,393.87	1/4	1,737.06	1/4	2,080.26	1/4	2,423.45	1/4	2,766.65	1/4	3,109.82
1/2	34.32	1/2	371.95	1/2	715.13	1/2	1,057.90	1/2	1,401.02	1/2	1,744.21	1/2	2,087.41	1/2	2,430.60	1/2	2,773.80	1/2	3,116.97
3/4	39.69	3/4	379.10	3/4	722.28	3/4	1,065.04	3/4	1,408.17	3/4	1,751.36	3/4	2,094.56	3/4	2,437.75	3/4	2,780.95	3/4	3,124.12
3	45.05	3	386.25	3	729.43	3	1,072.17	3	1,415.32	3	1,758.51	3	2,101.71	3	2,444.90	3	2,788.10	3	3,131.27
1/4	51.73	1/4	393.40	1/4	736.58	1/4	1,079.31	1/4	1,422.47	1/4	1,765.66	1/4	2,108.86	1/4	2,452.05	1/4	2,795.25	1/4	3,138.42
1/2	58.42	1/2	400.55	1/2	743.73	1/2	1,086.45	1/2	1,429.62	1/2	1,772.81	1/2	2,116.01	1/2	2,459.20	1/2	2,802.40	1/2	3,145.56
3/4	65.10	3/4	407.70	3/4	750.88	3/4	1,093.59	3/4	1,436.77	3/4	1,779.96	3/4	2,123.16	3/4	2,466.35	3/4	2,809.55	3/4	3,152.71
4	71.78	4	414.84	4	758.03	4	1,100.73	4	1,443.92	4	1,787.11	4	2,130.31	4	2,473.50	4	2,816.70	4	3,159.86
1/4	78.91	1/4	421.99	1/4	765.18	1/4	1,107.88	1/4	1,451.07	1/4	1,794.26	1/4	2,137.46	1/4	2,480.65	1/4	2,823.85	1/4	3,167.01
1/2	86.04	1/2	429.14	1/2	772.32	1/2	1,115.03	1/2	1,458.22	1/2	1,801.41	1/2	2,144.61	1/2	2,487.80	1/2	2,831.00	1/2	3,174.15
3/4	93.16	3/4	436.29	3/4	779.47	3/4	1,122.18	3/4	1,465.37	3/4	1,808.56	3/4	2,151.76	3/4	2,494.95	3/4	2,838.15	3/4	3,181.30
5	100.29	5	443.44	5	786.62	5	1,129.32	5	1,472.52	5	1,815.71	5	2,158.91	5	2,502.10	5	2,845.30	5	3,188.45
1/4	107.43	1/4	450.59	1/4	793.77	1/4	1,136.47	1/4	1,479.67	1/4	1,822.86	1/4	2,166.06	1/4	2,509.25	1/4	2,852.45	1/4	3,195.60
1/2	114.58	1/2	457.74	1/2	800.92	1/2	1,143.62	1/2	1,486.82	1/2	1,830.01	1/2	2,173.21	1/2	2,516.40	1/2	2,859.60	1/2	3,202.75
3/4	121.72	3/4	464.89	3/4	808.07	3/4	1,150.77	3/4	1,493.97	3/4	1,837.16	3/4	2,180.36	3/4	2,523.55	3/4	2,866.75	3/4	3,209.89
6	128.86	6	472.04	6	815.22	6	1,157.92	6	1,501.12	6	1,844.31	6	2,187.51	6	2,530.70	6	2,873.90	6	3,217.04
1/4	136.01	1/4	479.19	1/4	822.37	1/4	1,165.07	1/4	1,508.27	1/4	1,851.46	1/4	2,194.66	1/4	2,537.85	1/4	2,881.05	1/4	3,224.19
1/2	143.16	1/2	486.34	1/2	829.52	1/2	1,172.22	1/2	1,515.42	1/2	1,858.61	1/2	2,201.81	1/2	2,545.00	1/2	2,888.20	1/2	3,231.34
3/4	150.31	3/4	493.49	3/4	836.67	3/4	1,179.37	3/4	1,522.57	3/4	1,865.76	3/4	2,208.96	3/4	2,552.15	3/4	2,895.35	3/4	3,238.49
7	157.46	7	500.64	7	843.81	7	1,186.52	7	1,529.72	7	1,872.91	7	2,216.11	7	2,559.30	7	2,902.50	7	3,245.63
1/4	164.61	1/4	507.79	1/4	850.95	1/4	1,193.67	1/4	1,536.87	1/4	1,880.06	1/4	2,223.26	1/4	2,566.45	1/4	2,909.65	1/4	3,252.78
1/2	171.76	1/2	514.94	1/2	858.09	1/2	1,200.82	1/2	1,544.02	1/2	1,887.21	1/2	2,230.41	1/2	2,573.60	1/2	2,916.80	1/2	3,259.93
3/4	178.91	3/4	522.09	3/4	865.23	3/4	1,207.97	3/4	1,551.17	3/4	1,894.36	3/4	2,237.56	3/4	2,580.75	3/4	2,923.95	3/4	3,267.08
8	186.06	8	529.24	8	872.37	8	1,215.12	8	1,558.32	8	1,901.51	8	2,244.71	8	2,587.90	8	2,931.10	8	3,274.23
1/4	193.21	1/4	536.39	1/4	879.51	1/4	1,222.27	1/4	1,565.47	1/4	1,908.66	1/4	2,251.86	1/4	2,595.05	1/4	2,938.25	1/4	3,281.37
1/2	200.36	1/2	543.54	1/2	886.64	1/2	1,229.42	1/2	1,572.62	1/2	1,915.81	1/2	2,259.01	1/2	2,602.20	1/2	2,945.40	1/2	3,288.52
3/4	207.51	3/4	550.69	3/4	893.78	3/4	1,236.57	3/4	1,579.77	3/4	1,922.96	3/4	2,266.16	3/4	2,609.35	3/4	2,952.55	3/4	3,295.67
9	214.66	9	557.84	9	900.92	9	1,243.72	9	1,586.92	9	1,930.11	9	2,273.31	9	2,616.50	9	2,959.70	9	3,302.82
1/4	221.81	1/4	564.99	1/4	908.05	1/4	1,250.87	1/4	1,594.07	1/4	1,937.26	1/4	2,280.46	1/4	2,623.65	1/4	2,966.85	1/4	3,309.96
1/2	228.96	1/2	572.14	1/2	915.19	1/2	1,258.02	1/2	1,601.22	1/2	1,944.41	1/2	2,287.61	1/2	2,630.80	1/2	2,974.00	1/2	3,317.11
3/4	236.10	3/4	579.29	3/4	922.32	3/4	1,265.17	3/4	1,608.37	3/4	1,951.56	3/4	2,294.76	3/4	2,637.95	3/4	2,981.15	3/4	3,324.26
10	243.25	10	586.44	10	929.46	10	1,272.32	10	1,615.52	10	1,958.71	10	2,301.91	10	2,645.10	10	2,988.30	10	3,331.41
1/4	250.40	1/4	593.58	1/4	936.59	1/4	1,279.47	1/4	1,622.67	1/4	1,965.86	1/4	2,309.06	1/4	2,652.25	1/4	2,995.45	1/4	3,338.56
1/2	257.55	1/2	600.73	1/2	943.73	1/2	1,286.62	1/2	1,629.81	1/2	1,973.01	1/2	2,316.21	1/2	2,659.40	1/2	3,002.60	1/2	3,345.70
3/4	264.70	3/4	607.88	3/4	950.86	3/4	1,293.77	3/4	1,636.96	3/4	1,980.16	3/4	2,323.36	3/4	2,666.55	3/4	3,009.75	3/4	3,352.85
11	271.85	11	615.03	11	958.00	11	1,300.92	11	1,644.11	11	1,987.31	11	2,330.51	11	2,673.70	11	3,016.90	11	3,360.00
1/4	279.00	1/4	622.18	1/4	965.14	1/4	1,308.07	1/4	1,651.26	1/4	1,994.46	1/4	2,337.66	1/4	2,680.85	1/4	3,024.05	1/4	3,367.15
1/2	286.15	1/2	629.33	1/2	972.27	1/2	1,315.22	1/2	1,658.41	1/2	2,001.61	1/2	2,344.80	1/2	2,688.00	1/2	3,031.20	1/2	3,374.30
3/4	293.30	3/4	636.48	3/4	979.41	3/4	1,322.37	3/4	1,665.56	3/4	2,008.76	3/4	2,351.95	3/4	2,695.15	3/4	3,038.35	3/4	3,381.44

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 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 3296"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,388.59	0	3,731.70	0	4,074.90	0	4,417.63	0	4,759.26	0	5,080.72	0		0		0		0	
1/4	3,395.74	1/4	3,738.85	1/4	4,082.05	1/4	4,424.75	1/4	4,766.37	1/4	5,083.92	1/4		1/4		1/4		1/4	
1/2	3,402.89	1/2	3,746.00	1/2	4,089.20	1/2	4,431.87	1/2	4,773.49	1/2	5,087.12	1/2		1/2		1/2		1/2	
3/4	3,410.04	3/4	3,753.15	3/4	4,096.35	3/4	4,438.98	3/4	4,780.61	3/4	5,090.32	3/4		3/4		3/4		3/4	
1	3,417.18	1	3,760.30	1	4,103.50	1	4,446.10	1	4,787.73	1	5,093.52	1		1		1		1	
1/4	3,424.33	1/4	3,767.45	1/4	4,110.65	1/4	4,453.22	1/4	4,794.84	1/4	5,095.53	1/4		1/4		1/4		1/4	
1/2	3,431.48	1/2	3,774.60	1/2	4,117.79	1/2	4,460.33	1/2	4,801.96	1/2	5,097.54	1/2		1/2		1/2		1/2	
3/4	3,438.63	3/4	3,781.75	3/4	4,124.94	3/4	4,467.45	3/4	4,809.08	3/4	5,099.55	3/4		3/4		3/4		3/4	
2	3,445.77	2	3,788.90	2	4,132.09	2	4,474.57	2	4,816.19	2	5,101.55	2		2		2		2	
1/4	3,452.92	1/4	3,796.05	1/4	4,139.24	1/4	4,481.69	1/4	4,823.31	1/4	5,102.48	1/4		1/4		1/4		1/4	
1/2	3,460.07	1/2	3,803.20	1/2	4,146.39	1/2	4,488.80	1/2	4,830.43	1/2	5,103.41	1/2		1/2		1/2		1/2	
3/4	3,467.22	3/4	3,810.35	3/4	4,153.54	3/4	4,495.92	3/4	4,837.55	3/4	5,104.34	3/4		3/4		3/4		3/4	
3	3,474.37	3	3,817.50	3	4,160.69	3	4,503.04	3	4,844.66	3	5,105.27	3		3		3		3	
1/4	3,481.51	1/4	3,824.65	1/4	4,167.84	1/4	4,510.15	1/4	4,851.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,488.66	1/2	3,831.80	1/2	4,174.99	1/2	4,517.27	1/2	4,858.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,495.81	3/4	3,838.95	3/4	4,182.14	3/4	4,524.39	3/4	4,866.01	3/4		3/4		3/4		3/4		3/4	
4	3,502.96	4	3,846.10	4	4,189.29	4	4,531.51	4	4,873.13	4		4		4		4		4	
1/4	3,510.11	1/4	3,853.25	1/4	4,196.44	1/4	4,538.62	1/4	4,880.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,517.25	1/2	3,860.40	1/2	4,203.59	1/2	4,545.74	1/2	4,887.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,524.40	3/4	3,867.55	3/4	4,210.74	3/4	4,552.86	3/4	4,894.42	3/4		3/4		3/4		3/4		3/4	
5	3,531.55	5	3,874.70	5	4,217.89	5	4,559.97	5	4,901.51	5		5		5		5		5	
1/4	3,538.70	1/4	3,881.85	1/4	4,225.04	1/4	4,567.09	1/4	4,908.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,545.85	1/2	3,889.00	1/2	4,232.19	1/2	4,574.21	1/2	4,915.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,552.99	3/4	3,896.15	3/4	4,239.34	3/4	4,581.33	3/4	4,922.73	3/4		3/4		3/4		3/4		3/4	
6	3,560.14	6	3,903.30	6	4,246.49	6	4,588.44	6	4,929.80	6		6		6		6		6	
1/4	3,567.29	1/4	3,910.45	1/4	4,253.64	1/4	4,595.56	1/4	4,936.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,574.44	1/2	3,917.60	1/2	4,260.79	1/2	4,602.68	1/2	4,943.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,581.58	3/4	3,924.75	3/4	4,267.94	3/4	4,609.80	3/4	4,951.01	3/4		3/4		3/4		3/4		3/4	
7	3,588.73	7	3,931.90	7	4,275.09	7	4,616.91	7	4,958.09	7		7		7		7		7	
1/4	3,595.88	1/4	3,939.05	1/4	4,282.24	1/4	4,624.03	1/4	4,965.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.03	1/2	3,946.20	1/2	4,289.39	1/2	4,631.15	1/2	4,972.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,610.18	3/4	3,953.35	3/4	4,296.54	3/4	4,638.26	3/4	4,979.28	3/4		3/4		3/4		3/4		3/4	
8	3,617.32	8	3,960.50	8	4,303.69	8	4,645.38	8	4,986.34	8		8		8		8		8	
1/4	3,624.47	1/4	3,967.65	1/4	4,310.83	1/4	4,652.50	1/4	4,993.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,631.62	1/2	3,974.80	1/2	4,317.96	1/2	4,659.62	1/2	5,000.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,638.77	3/4	3,981.95	3/4	4,325.09	3/4	4,666.73	3/4	5,007.43	3/4		3/4		3/4		3/4		3/4	
9	3,645.92	9	3,989.10	9	4,332.22	9	4,673.85	9	5,014.46	9		9		9		9		9	
1/4	3,653.06	1/4	3,996.25	1/4	4,339.34	1/4	4,680.97	1/4	5,021.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,660.21	1/2	4,003.40	1/2	4,346.46	1/2	4,688.08	1/2	5,027.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,667.36	3/4	4,010.55	3/4	4,353.58	3/4	4,695.20	3/4	5,034.24	3/4		3/4		3/4		3/4		3/4	
10	3,674.51	10	4,017.70	10	4,360.69	10	4,702.32	10	5,040.83	10		10		10		10		10	
1/4	3,681.66	1/4	4,024.85	1/4	4,367.81	1/4	4,709.44	1/4	5,046.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,688.80	1/2	4,032.00	1/2	4,374.93	1/2	4,716.55	1/2	5,051.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,695.95	3/4	4,039.15	3/4	4,382.04	3/4	4,723.67	3/4	5,057.58	3/4		3/4		3/4		3/4		3/4	
11	3,703.10	11	4,046.30	11	4,389.16	11	4,730.79	11	5,063.16	11		11		11		11		11	
1/4	3,710.25	1/4	4,053.45	1/4	4,396.28	1/4	4,737.90	1/4	5,067.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,717.40	1/2	4,060.60	1/2	4,403.40	1/2	4,745.02	1/2	5,071.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,724.55	3/4	4,067.75	3/4	4,410.51	3/4	4,752.14	3/4	5,076.33	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

3 PORT INNAGE TABLE

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	299.43	0	641.01	0	974.74	0	1,309.69	0	1,651.09	0	1,992.49	0	2,333.89	0	2,675.26	0	3,016.78
1/4	3.93	1/4	306.56	1/4	648.13	1/4	981.55	1/4	1,316.80	1/4	1,658.20	1/4	1,999.60	1/4	2,341.00	1/4	2,682.37	1/4	3,023.89
1/2	5.71	1/2	313.68	1/2	655.24	1/2	988.35	1/2	1,323.91	1/2	1,665.31	1/2	2,006.71	1/2	2,348.11	1/2	2,689.48	1/2	3,031.01
3/4	7.49	3/4	320.81	3/4	662.35	3/4	995.15	3/4	1,331.02	3/4	1,672.42	3/4	2,013.82	3/4	2,355.22	3/4	2,696.59	3/4	3,038.13
1	9.27	1	327.94	1	669.47	1	1,001.96	1	1,338.14	1	1,679.54	1	2,020.94	1	2,362.34	1	2,703.70	1	3,045.24
1/4	12.84	1/4	335.06	1/4	676.58	1/4	1,008.76	1/4	1,345.25	1/4	1,686.65	1/4	2,028.05	1/4	2,369.45	1/4	2,710.82	1/4	3,052.35
1/2	16.40	1/2	342.19	1/2	683.70	1/2	1,015.56	1/2	1,352.36	1/2	1,693.76	1/2	2,035.16	1/2	2,376.56	1/2	2,717.93	1/2	3,059.46
3/4	19.96	3/4	349.31	3/4	690.81	3/4	1,022.37	3/4	1,359.47	3/4	1,700.87	3/4	2,042.27	3/4	2,383.67	3/4	2,725.04	3/4	3,066.56
2	23.52	2	356.44	2	697.92	2	1,029.17	2	1,366.59	2	1,707.99	2	2,049.39	2	2,390.79	2	2,732.15	2	3,073.67
1/4	28.87	1/4	363.56	1/4	705.04	1/4	1,035.97	1/4	1,373.70	1/4	1,715.10	1/4	2,056.50	1/4	2,397.90	1/4	2,739.26	1/4	3,080.78
1/2	34.21	1/2	370.68	1/2	712.15	1/2	1,042.78	1/2	1,380.81	1/2	1,722.21	1/2	2,063.61	1/2	2,405.01	1/2	2,746.37	1/2	3,087.89
3/4	39.55	3/4	377.80	3/4	719.26	3/4	1,049.58	3/4	1,387.92	3/4	1,729.32	3/4	2,070.72	3/4	2,412.12	3/4	2,753.49	3/4	3,094.99
3	44.90	3	384.92	3	726.38	3	1,056.38	3	1,395.04	3	1,736.44	3	2,077.84	3	2,419.24	3	2,760.60	3	3,102.10
1/4	51.56	1/4	392.03	1/4	733.49	1/4	1,063.19	1/4	1,402.15	1/4	1,743.55	1/4	2,084.95	1/4	2,426.35	1/4	2,767.71	1/4	3,109.20
1/2	58.22	1/2	399.14	1/2	740.61	1/2	1,070.00	1/2	1,409.26	1/2	1,750.66	1/2	2,092.06	1/2	2,433.46	1/2	2,774.82	1/2	3,116.30
3/4	64.88	3/4	406.26	3/4	747.72	3/4	1,076.81	3/4	1,416.37	3/4	1,757.77	3/4	2,099.17	3/4	2,440.57	3/4	2,781.93	3/4	3,123.40
4	71.54	4	413.37	4	754.83	4	1,083.61	4	1,423.49	4	1,764.89	4	2,106.29	4	2,447.69	4	2,789.04	4	3,130.50
1/4	78.64	1/4	420.48	1/4	761.95	1/4	1,090.46	1/4	1,430.60	1/4	1,772.00	1/4	2,113.40	1/4	2,454.80	1/4	2,796.15	1/4	3,137.59
1/2	85.75	1/2	427.60	1/2	769.06	1/2	1,097.31	1/2	1,437.71	1/2	1,779.11	1/2	2,120.51	1/2	2,461.91	1/2	2,803.27	1/2	3,144.68
3/4	92.85	3/4	434.71	3/4	776.17	3/4	1,104.15	3/4	1,444.82	3/4	1,786.22	3/4	2,127.62	3/4	2,469.02	3/4	2,810.38	3/4	3,151.77
5	99.95	5	441.83	5	783.29	5	1,111.00	5	1,451.94	5	1,793.34	5	2,134.74	5	2,476.14	5	2,817.49	5	3,158.86
1/4	107.07	1/4	448.94	1/4	790.29	1/4	1,117.99	1/4	1,459.05	1/4	1,800.45	1/4	2,141.85	1/4	2,483.25	1/4	2,824.60	1/4	3,165.95
1/2	114.19	1/2	456.05	1/2	797.28	1/2	1,124.99	1/2	1,466.16	1/2	1,807.56	1/2	2,148.96	1/2	2,490.36	1/2	2,831.71	1/2	3,173.04
3/4	121.31	3/4	463.17	3/4	804.28	3/4	1,131.99	3/4	1,473.27	3/4	1,814.67	3/4	2,156.07	3/4	2,497.47	3/4	2,838.82	3/4	3,180.13
6	128.43	6	470.28	6	811.28	6	1,138.99	6	1,480.39	6	1,821.79	6	2,163.19	6	2,504.58	6	2,845.94	6	3,187.22
1/4	135.55	1/4	477.39	1/4	818.13	1/4	1,146.10	1/4	1,487.50	1/4	1,828.90	1/4	2,170.30	1/4	2,511.69	1/4	2,853.05	1/4	3,194.31
1/2	142.68	1/2	484.51	1/2	824.97	1/2	1,153.21	1/2	1,494.61	1/2	1,836.01	1/2	2,177.41	1/2	2,518.80	1/2	2,860.16	1/2	3,201.40
3/4	149.80	3/4	491.62	3/4	831.82	3/4	1,160.32	3/4	1,501.72	3/4	1,843.12	3/4	2,184.52	3/4	2,525.91	3/4	2,867.27	3/4	3,208.49
7	156.93	7	498.74	7	838.67	7	1,167.44	7	1,508.84	7	1,850.24	7	2,191.64	7	2,533.03	7	2,874.38	7	3,215.58
1/4	164.05	1/4	505.85	1/4	845.47	1/4	1,174.55	1/4	1,515.95	1/4	1,857.35	1/4	2,198.75	1/4	2,540.14	1/4	2,881.49	1/4	3,222.67
1/2	171.18	1/2	512.96	1/2	852.28	1/2	1,181.66	1/2	1,523.06	1/2	1,864.46	1/2	2,205.86	1/2	2,547.25	1/2	2,888.61	1/2	3,229.76
3/4	178.30	3/4	520.08	3/4	859.09	3/4	1,188.77	3/4	1,530.17	3/4	1,871.57	3/4	2,212.97	3/4	2,554.36	3/4	2,895.72	3/4	3,236.85
8	185.43	8	527.19	8	865.89	8	1,195.89	8	1,537.29	8	1,878.69	8	2,220.09	8	2,561.47	8	2,902.83	8	3,243.94
1/4	192.55	1/4	534.31	1/4	872.70	1/4	1,203.00	1/4	1,544.40	1/4	1,885.80	1/4	2,227.20	1/4	2,568.58	1/4	2,909.95	1/4	3,251.03
1/2	199.68	1/2	541.42	1/2	879.50	1/2	1,210.11	1/2	1,551.51	1/2	1,892.91	1/2	2,234.31	1/2	2,575.70	1/2	2,917.06	1/2	3,258.12
3/4	206.80	3/4	548.53	3/4	886.30	3/4	1,217.22	3/4	1,558.62	3/4	1,900.02	3/4	2,241.42	3/4	2,582.81	3/4	2,924.18	3/4	3,265.21
9	213.93	9	555.65	9	893.11	9	1,224.34	9	1,565.74	9	1,907.14	9	2,248.54	9	2,589.92	9	2,931.30	9	3,272.30
1/4	221.05	1/4	562.76	1/4	899.91	1/4	1,231.45	1/4	1,572.85	1/4	1,914.25	1/4	2,255.65	1/4	2,597.03	1/4	2,938.42	1/4	3,279.40
1/2	228.18	1/2	569.87	1/2	906.71	1/2	1,238.56	1/2	1,579.96	1/2	1,921.36	1/2	2,262.76	1/2	2,604.14	1/2	2,945.55	1/2	3,286.49
3/4	235.31	3/4	576.99	3/4	913.52	3/4	1,245.67	3/4	1,587.07	3/4	1,928.47	3/4	2,269.87	3/4	2,611.25	3/4	2,952.67	3/4	3,293.58
10	242.43	10	584.10	10	920.32	10	1,252.79	10	1,594.19	10	1,935.59	10	2,276.99	10	2,618.36	10	2,959.79	10	3,300.67
1/4	249.56	1/4	591.22	1/4	927.12	1/4	1,259.90	1/4	1,601.30	1/4	1,942.70	1/4	2,284.10	1/4	2,625.48	1/4	2,966.92	1/4	3,307.76
1/2	256.68	1/2	598.33	1/2	933.92	1/2	1,267.01	1/2	1,608.41	1/2	1,949.81	1/2	2,291.21	1/2	2,632.59	1/2	2,974.04	1/2	3,314.85
3/4	263.81	3/4	605.44	3/4	940.73	3/4	1,274.12	3/4	1,615.52	3/4	1,956.92	3/4	2,298.32	3/4	2,639.70	3/4	2,981.16	3/4	3,321.95
11	270.93	11	612.56	11	947.53	11	1,281.24	11	1,622.64	11	1,964.04	11	2,305.44	11	2,646.81	11	2,988.29	11	3,329.04
1/4	278.06	1/4	619.67	1/4	954.33	1/4	1,288.35	1/4	1,629.75	1/4	1,971.15	1/4	2,312.55	1/4	2,653.92	1/4	2,995.41	1/4	3,336.15
1/2	285.18	1/2	626.78	1/2	961.14	1/2	1,295.46	1/2	1,636.86	1/2	1,978.26	1/2	2,319.66	1/2	2,661.03	1/2	3,002.53	1/2	3,343.26
3/4	292.31	3/4	633.90	3/4	967.94	3/4	1,302.57	3/4	1,643.97	3/4	1,985.37	3/4	2,326.77	3/4	2,668.15	3/4	3,009.66	3/4	3,350.37

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "FMT 3296"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,351.89	0	3,560.73	0	3,770.34	0	3,979.68	0	4,188.37	0	4,378.79	0		0		0		0	
1/4	3,356.22	1/4	3,565.09	1/4	3,774.70	1/4	3,984.03	1/4	4,192.72	1/4	4,380.50	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,360.55	1/2	3,569.46	1/2	3,779.07	1/2	3,988.37	1/2	4,197.07	1/2	4,382.21	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,364.89	3/4	3,573.83	3/4	3,783.44	3/4	3,992.72	3/4	4,201.42	3/4	4,383.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,369.22	1	3,578.19	1	3,787.80	1	3,997.07	1	4,205.76	1	4,385.62	1	1	1	1	1	1	1	1
1/4	3,373.56	1/4	3,582.56	1/4	3,792.17	1/4	4,001.42	1/4	4,210.11	1/4	4,387.32	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,377.90	1/2	3,586.93	1/2	3,796.54	1/2	4,005.77	1/2	4,214.46	1/2	4,389.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,382.24	3/4	3,591.29	3/4	3,800.91	3/4	4,010.11	3/4	4,218.81	3/4	4,390.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,386.59	2	3,595.66	2	3,805.27	2	4,014.46	2	4,223.16	2	4,392.44	2	2	2	2	2	2	2	2
1/4	3,390.94	1/4	3,600.03	1/4	3,809.64	1/4	4,018.81	1/4	4,227.50	1/4	4,393.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,395.29	1/2	3,604.39	1/2	3,814.01	1/2	4,023.16	1/2	4,231.85	1/2	4,394.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,399.64	3/4	3,608.76	3/4	3,818.37	3/4	4,027.50	3/4	4,236.20	3/4	4,395.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,403.99	3	3,613.13	3	3,822.74	3	4,031.85	3	4,240.55	3	4,396.74	3	3	3	3	3	3	3	3
1/4	3,408.34	1/4	3,617.50	1/4	3,827.11	1/4	4,036.20	1/4	4,244.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,412.69	1/2	3,621.86	1/2	3,831.47	1/2	4,040.55	1/2	4,249.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,417.04	3/4	3,626.23	3/4	3,835.84	3/4	4,044.90	3/4	4,253.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,421.40	4	3,630.60	4	3,840.21	4	4,049.24	4	4,257.94	4		4	4	4	4	4	4	4	4
1/4	3,425.75	1/4	3,634.96	1/4	3,844.57	1/4	4,053.59	1/4	4,262.27	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,430.10	1/2	3,639.33	1/2	3,848.94	1/2	4,057.94	1/2	4,266.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,434.45	3/4	3,643.70	3/4	3,853.31	3/4	4,062.29	3/4	4,270.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,438.80	5	3,648.06	5	3,857.68	5	4,066.63	5	4,275.27	5		5	5	5	5	5	5	5	5
1/4	3,443.15	1/4	3,652.43	1/4	3,862.04	1/4	4,070.98	1/4	4,279.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,447.50	1/2	3,656.80	1/2	3,866.41	1/2	4,075.33	1/2	4,283.92	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,451.85	3/4	3,661.16	3/4	3,870.78	3/4	4,079.68	3/4	4,288.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,456.20	6	3,665.53	6	3,875.14	6	4,084.03	6	4,292.56	6		6	6	6	6	6	6	6	6
1/4	3,460.56	1/4	3,669.90	1/4	3,879.51	1/4	4,088.37	1/4	4,296.87	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,464.91	1/2	3,674.27	1/2	3,883.88	1/2	4,092.72	1/2	4,301.19	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,469.26	3/4	3,678.63	3/4	3,888.24	3/4	4,097.07	3/4	4,305.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,473.61	7	3,683.00	7	3,892.61	7	4,101.42	7	4,309.83	7		7	7	7	7	7	7	7	7
1/4	3,477.96	1/4	3,687.37	1/4	3,896.98	1/4	4,105.76	1/4	4,314.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,482.31	1/2	3,691.73	1/2	3,901.34	1/2	4,110.11	1/2	4,318.45	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,486.66	3/4	3,696.10	3/4	3,905.71	3/4	4,114.46	3/4	4,322.76	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,491.01	8	3,700.47	8	3,910.08	8	4,118.81	8	4,327.08	8		8	8	8	8	8	8	8	8
1/4	3,495.36	1/4	3,704.83	1/4	3,914.43	1/4	4,123.16	1/4	4,331.36	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,499.71	1/2	3,709.20	1/2	3,918.79	1/2	4,127.50	1/2	4,335.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,504.07	3/4	3,713.57	3/4	3,923.15	3/4	4,131.85	3/4	4,339.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,508.42	9	3,717.93	9	3,927.51	9	4,136.20	9	4,344.19	9		9	9	9	9	9	9	9	9
1/4	3,512.77	1/4	3,722.30	1/4	3,931.85	1/4	4,140.55	1/4	4,348.03	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,517.12	1/2	3,726.67	1/2	3,936.20	1/2	4,144.90	1/2	4,351.87	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,521.47	3/4	3,731.04	3/4	3,940.55	3/4	4,149.24	3/4	4,355.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,525.82	10	3,735.40	10	3,944.90	10	4,153.59	10	4,359.55	10		10	10	10	10	10	10	10	10
1/4	3,530.18	1/4	3,739.77	1/4	3,949.24	1/4	4,157.94	1/4	4,362.39	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,534.54	1/2	3,744.14	1/2	3,953.59	1/2	4,162.29	1/2	4,365.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,538.90	3/4	3,748.50	3/4	3,957.94	3/4	4,166.63	3/4	4,368.06	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,543.26	11	3,752.87	11	3,962.29	11	4,170.98	11	4,370.90	11		11	11	11	11	11	11	11	11
1/4	3,547.63	1/4	3,757.24	1/4	3,966.64	1/4	4,175.33	1/4	4,372.87	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,551.99	1/2	3,761.60	1/2	3,970.98	1/2	4,179.68	1/2	4,374.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,556.36	3/4	3,765.97	3/4	3,975.33	3/4	4,184.03	3/4	4,376.82	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: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

3 STBD INNAGE TABLE

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	299.78	0	642.19	0	984.33	0	1,326.53	0	1,668.96	0	2,011.38	0	2,353.80	0	2,696.06	0	3,037.61
1/4	3.93	1/4	306.91	1/4	649.32	1/4	991.45	1/4	1,333.67	1/4	1,676.09	1/4	2,018.51	1/4	2,360.93	1/4	2,703.17	1/4	3,044.72
1/2	5.72	1/2	314.05	1/2	656.46	1/2	998.57	1/2	1,340.80	1/2	1,683.22	1/2	2,025.65	1/2	2,368.07	1/2	2,710.29	1/2	3,051.84
3/4	7.50	3/4	321.18	3/4	663.59	3/4	1,005.69	3/4	1,347.93	3/4	1,690.36	3/4	2,032.78	3/4	2,375.20	3/4	2,717.41	3/4	3,058.95
1	9.28	1	328.31	1	670.73	1	1,012.81	1	1,355.07	1	1,697.49	1	2,039.91	1	2,382.34	1	2,724.52	1	3,066.07
1/4	12.85	1/4	335.45	1/4	677.86	1/4	1,019.93	1/4	1,362.20	1/4	1,704.62	1/4	2,047.05	1/4	2,389.47	1/4	2,731.64	1/4	3,073.19
1/2	16.42	1/2	342.58	1/2	684.99	1/2	1,027.05	1/2	1,369.34	1/2	1,711.76	1/2	2,054.18	1/2	2,396.60	1/2	2,738.75	1/2	3,080.30
3/4	19.98	3/4	349.71	3/4	692.13	3/4	1,034.17	3/4	1,376.47	3/4	1,718.89	3/4	2,061.31	3/4	2,403.74	3/4	2,745.87	3/4	3,087.42
2	23.55	2	356.85	2	699.26	2	1,041.29	2	1,383.60	2	1,726.03	2	2,068.45	2	2,410.87	2	2,752.98	2	3,094.53
1/4	28.90	1/4	363.98	1/4	706.39	1/4	1,048.41	1/4	1,390.74	1/4	1,733.16	1/4	2,075.58	1/4	2,418.00	1/4	2,760.10	1/4	3,101.65
1/2	34.25	1/2	371.11	1/2	713.53	1/2	1,055.53	1/2	1,397.87	1/2	1,740.29	1/2	2,082.72	1/2	2,425.14	1/2	2,767.22	1/2	3,108.76
3/4	39.60	3/4	378.25	3/4	720.66	3/4	1,062.65	3/4	1,405.00	3/4	1,747.43	3/4	2,089.85	3/4	2,432.27	3/4	2,774.33	3/4	3,115.88
3	44.95	3	385.38	3	727.79	3	1,069.77	3	1,412.14	3	1,754.56	3	2,096.98	3	2,439.41	3	2,781.45	3	3,123.00
1/4	51.62	1/4	392.52	1/4	734.93	1/4	1,076.89	1/4	1,419.27	1/4	1,761.69	1/4	2,104.12	1/4	2,446.54	1/4	2,788.56	1/4	3,130.10
1/2	58.29	1/2	399.65	1/2	742.06	1/2	1,084.01	1/2	1,426.41	1/2	1,768.83	1/2	2,111.25	1/2	2,453.67	1/2	2,795.68	1/2	3,137.21
3/4	64.95	3/4	406.78	3/4	749.20	3/4	1,091.14	3/4	1,433.54	3/4	1,775.96	3/4	2,118.38	3/4	2,460.81	3/4	2,802.79	3/4	3,144.32
4	71.62	4	413.92	4	756.33	4	1,098.26	4	1,440.67	4	1,783.10	4	2,125.52	4	2,467.94	4	2,809.91	4	3,151.42
1/4	78.73	1/4	421.05	1/4	763.46	1/4	1,105.39	1/4	1,447.81	1/4	1,790.23	1/4	2,132.65	1/4	2,475.07	1/4	2,817.02	1/4	3,158.52
1/2	85.84	1/2	428.18	1/2	770.60	1/2	1,112.52	1/2	1,454.94	1/2	1,797.36	1/2	2,139.79	1/2	2,482.21	1/2	2,824.14	1/2	3,165.62
3/4	92.95	3/4	435.32	3/4	777.73	3/4	1,119.66	3/4	1,462.07	3/4	1,804.50	3/4	2,146.92	3/4	2,489.34	3/4	2,831.26	3/4	3,172.72
5	100.06	5	442.45	5	784.86	5	1,126.79	5	1,469.21	5	1,811.63	5	2,154.05	5	2,496.48	5	2,838.37	5	3,179.82
1/4	107.19	1/4	449.58	1/4	792.00	1/4	1,133.92	1/4	1,476.34	1/4	1,818.76	1/4	2,161.19	1/4	2,503.61	1/4	2,845.49	1/4	3,186.91
1/2	114.32	1/2	456.72	1/2	799.13	1/2	1,141.05	1/2	1,483.48	1/2	1,825.90	1/2	2,168.32	1/2	2,510.75	1/2	2,852.60	1/2	3,194.01
3/4	121.45	3/4	463.85	3/4	806.26	3/4	1,148.19	3/4	1,490.61	3/4	1,833.03	3/4	2,175.45	3/4	2,517.88	3/4	2,859.72	3/4	3,201.11
6	128.57	6	470.98	6	813.40	6	1,155.32	6	1,497.74	6	1,840.17	6	2,182.59	6	2,525.02	6	2,866.83	6	3,208.21
1/4	135.71	1/4	478.12	1/4	820.53	1/4	1,162.46	1/4	1,504.88	1/4	1,847.30	1/4	2,189.72	1/4	2,532.15	1/4	2,873.95	1/4	3,215.31
1/2	142.84	1/2	485.25	1/2	827.66	1/2	1,169.59	1/2	1,512.01	1/2	1,854.43	1/2	2,196.86	1/2	2,539.29	1/2	2,881.06	1/2	3,222.41
3/4	149.97	3/4	492.39	3/4	834.79	3/4	1,176.72	3/4	1,519.15	3/4	1,861.57	3/4	2,203.99	3/4	2,546.42	3/4	2,888.18	3/4	3,229.50
7	157.11	7	499.52	7	841.92	7	1,183.86	7	1,526.28	7	1,868.70	7	2,211.12	7	2,553.56	7	2,895.30	7	3,236.60
1/4	164.24	1/4	506.65	1/4	849.04	1/4	1,190.99	1/4	1,533.41	1/4	1,875.84	1/4	2,218.26	1/4	2,560.69	1/4	2,902.41	1/4	3,243.70
1/2	171.37	1/2	513.79	1/2	856.17	1/2	1,198.12	1/2	1,540.55	1/2	1,882.97	1/2	2,225.39	1/2	2,567.83	1/2	2,909.53	1/2	3,250.80
3/4	178.51	3/4	520.92	3/4	863.29	3/4	1,205.26	3/4	1,547.68	3/4	1,890.10	3/4	2,232.53	3/4	2,574.96	3/4	2,916.64	3/4	3,257.90
8	185.64	8	528.05	8	870.42	8	1,212.39	8	1,554.81	8	1,897.24	8	2,239.66	8	2,582.10	8	2,923.76	8	3,265.00
1/4	192.77	1/4	535.19	1/4	877.53	1/4	1,219.53	1/4	1,561.95	1/4	1,904.37	1/4	2,246.79	1/4	2,589.23	1/4	2,930.87	1/4	3,272.09
1/2	199.91	1/2	542.32	1/2	884.65	1/2	1,226.66	1/2	1,569.08	1/2	1,911.50	1/2	2,253.93	1/2	2,596.36	1/2	2,937.99	1/2	3,279.19
3/4	207.04	3/4	549.45	3/4	891.77	3/4	1,233.79	3/4	1,576.22	3/4	1,918.64	3/4	2,261.06	3/4	2,603.50	3/4	2,945.11	3/4	3,286.29
9	214.18	9	556.59	9	898.89	9	1,240.93	9	1,583.35	9	1,925.77	9	2,268.19	9	2,610.63	9	2,952.22	9	3,293.39
1/4	221.31	1/4	563.72	1/4	906.01	1/4	1,248.06	1/4	1,590.48	1/4	1,932.91	1/4	2,275.33	1/4	2,617.76	1/4	2,959.34	1/4	3,300.49
1/2	228.44	1/2	570.86	1/2	913.13	1/2	1,255.19	1/2	1,597.62	1/2	1,940.04	1/2	2,282.46	1/2	2,624.88	1/2	2,966.45	1/2	3,307.59
3/4	235.58	3/4	577.99	3/4	920.25	3/4	1,262.33	3/4	1,604.75	3/4	1,947.17	3/4	2,289.60	3/4	2,632.01	3/4	2,973.57	3/4	3,314.68
10	242.71	10	585.12	10	927.37	10	1,269.46	10	1,611.88	10	1,954.31	10	2,296.73	10	2,639.13	10	2,980.68	10	3,321.78
1/4	249.84	1/4	592.26	1/4	934.49	1/4	1,276.60	1/4	1,619.02	1/4	1,961.44	1/4	2,303.86	1/4	2,646.25	1/4	2,987.80	1/4	3,328.88
1/2	256.98	1/2	599.39	1/2	941.61	1/2	1,283.73	1/2	1,626.15	1/2	1,968.57	1/2	2,311.00	1/2	2,653.37	1/2	2,994.91	1/2	3,335.98
3/4	264.11	3/4	606.52	3/4	948.73	3/4	1,290.86	3/4	1,633.29	3/4	1,975.71	3/4	2,318.13	3/4	2,660.48	3/4	3,002.03	3/4	3,343.08
11	271.24	11	613.66	11	955.85	11	1,298.00	11	1,640.42	11	1,982.84	11	2,325.26	11	2,667.60	11	3,009.15	11	3,350.18
1/4	278.38	1/4	620.79	1/4	962.97	1/4	1,305.13	1/4	1,647.55	1/4	1,989.98	1/4	2,332.40	1/4	2,674.71	1/4	3,016.26	1/4	3,357.28
1/2	285.51	1/2	627.92	1/2	970.09	1/2	1,312.27	1/2	1,654.69	1/2	1,997.11	1/2	2,339.53	1/2	2,681.83	1/2	3,023.38	1/2	3,364.38
3/4	292.64	3/4	635.06	3/4	977.21	3/4	1,319.40	3/4	1,661.82	3/4	2,004.24	3/4	2,346.67	3/4	2,688.94	3/4	3,030.49	3/4	3,371.48

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 3296"

3 STBD

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,373.05	0	3,582.84	0	3,792.85	0	4,002.58	0	4,211.67	0	4,402.46	0		0		0		0	
1/4	3,377.39	1/4	3,587.22	1/4	3,797.22	1/4	4,006.94	1/4	4,216.02	1/4	4,404.17	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,381.73	1/2	3,591.59	1/2	3,801.60	1/2	4,011.29	1/2	4,220.38	1/2	4,405.88	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,386.07	3/4	3,595.97	3/4	3,805.97	3/4	4,015.65	3/4	4,224.74	3/4	4,407.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,390.41	1	3,600.34	1	3,810.35	1	4,020.00	1	4,229.09	1	4,409.29	1	1	1	1	1	1	1	1
1/4	3,394.77	1/4	3,604.72	1/4	3,814.72	1/4	4,024.36	1/4	4,233.45	1/4	4,411.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,399.12	1/2	3,609.09	1/2	3,819.10	1/2	4,028.72	1/2	4,237.80	1/2	4,412.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,403.48	3/4	3,613.47	3/4	3,823.47	3/4	4,033.07	3/4	4,242.16	3/4	4,414.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,407.84	2	3,617.84	2	3,827.85	2	4,037.43	2	4,246.52	2	4,416.13	2	2	2	2	2	2	2	2
1/4	3,412.21	1/4	3,622.22	1/4	3,832.22	1/4	4,041.78	1/4	4,250.87	1/4	4,417.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,416.59	1/2	3,626.59	1/2	3,836.60	1/2	4,046.14	1/2	4,255.23	1/2	4,418.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,420.96	3/4	3,630.97	3/4	3,840.97	3/4	4,050.50	3/4	4,259.58	3/4	4,419.36	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,425.34	3	3,635.34	3	3,845.35	3	4,054.85	3	4,263.94	3	4,420.44	3	3	3	3	3	3	3	3
1/4	3,429.71	1/4	3,639.72	1/4	3,849.72	1/4	4,059.21	1/4	4,268.30	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,434.09	1/2	3,644.09	1/2	3,854.10	1/2	4,063.56	1/2	4,272.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,438.46	3/4	3,648.47	3/4	3,858.47	3/4	4,067.92	3/4	4,277.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,442.84	4	3,652.84	4	3,862.85	4	4,072.28	4	4,281.36	4	4	4	4	4	4	4	4	4	4
1/4	3,447.21	1/4	3,657.22	1/4	3,867.22	1/4	4,076.63	1/4	4,285.71	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,451.59	1/2	3,661.59	1/2	3,871.60	1/2	4,080.99	1/2	4,290.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,455.96	3/4	3,665.97	3/4	3,875.97	3/4	4,085.34	3/4	4,294.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,460.34	5	3,670.34	5	3,880.35	5	4,089.70	5	4,298.73	5	5	5	5	5	5	5	5	5	5
1/4	3,464.71	1/4	3,674.72	1/4	3,884.72	1/4	4,094.06	1/4	4,303.06	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,469.09	1/2	3,679.09	1/2	3,889.10	1/2	4,098.41	1/2	4,307.39	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,473.46	3/4	3,683.47	3/4	3,893.47	3/4	4,102.77	3/4	4,311.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,477.84	6	3,687.84	6	3,897.85	6	4,107.12	6	4,316.05	6	6	6	6	6	6	6	6	6	6
1/4	3,482.21	1/4	3,692.22	1/4	3,902.22	1/4	4,111.48	1/4	4,320.37	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,486.59	1/2	3,696.59	1/2	3,906.60	1/2	4,115.84	1/2	4,324.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,490.96	3/4	3,700.97	3/4	3,910.97	3/4	4,120.19	3/4	4,329.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,495.34	7	3,705.34	7	3,915.35	7	4,124.55	7	4,333.35	7	7	7	7	7	7	7	7	7	7
1/4	3,499.71	1/4	3,709.72	1/4	3,919.72	1/4	4,128.90	1/4	4,337.67	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,504.09	1/2	3,714.09	1/2	3,924.10	1/2	4,133.26	1/2	4,341.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,508.46	3/4	3,718.47	3/4	3,928.47	3/4	4,137.62	3/4	4,346.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,512.84	8	3,722.84	8	3,932.85	8	4,141.97	8	4,350.63	8	8	8	8	8	8	8	8	8	8
1/4	3,517.22	1/4	3,727.22	1/4	3,937.21	1/4	4,146.33	1/4	4,354.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,521.59	1/2	3,731.59	1/2	3,941.58	1/2	4,150.68	1/2	4,359.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,525.97	3/4	3,735.97	3/4	3,945.94	3/4	4,155.04	3/4	4,363.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,530.34	9	3,740.35	9	3,950.31	9	4,159.40	9	4,367.78	9	9	9	9	9	9	9	9	9	9
1/4	3,534.72	1/4	3,744.72	1/4	3,954.66	1/4	4,163.75	1/4	4,371.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,539.09	1/2	3,749.10	1/2	3,959.02	1/2	4,168.11	1/2	4,375.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,543.47	3/4	3,753.47	3/4	3,963.38	3/4	4,172.46	3/4	4,379.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,547.84	10	3,757.85	10	3,967.73	10	4,176.82	10	4,383.17	10	10	10	10	10	10	10	10	10	10
1/4	3,552.22	1/4	3,762.22	1/4	3,972.09	1/4	4,181.18	1/4	4,386.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,556.59	1/2	3,766.60	1/2	3,976.44	1/2	4,185.53	1/2	4,388.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,560.97	3/4	3,770.97	3/4	3,980.80	3/4	4,189.89	3/4	4,391.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,565.34	11	3,775.35	11	3,985.16	11	4,194.24	11	4,394.54	11	11	11	11	11	11	11	11	11	11
1/4	3,569.72	1/4	3,779.72	1/4	3,989.51	1/4	4,198.60	1/4	4,396.52	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,574.09	1/2	3,784.10	1/2	3,993.87	1/2	4,202.96	1/2	4,398.50	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,578.47	3/4	3,788.47	3/4	3,998.22	3/4	4,207.31	3/4	4,400.48	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: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "FMT 3296"

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"

July 9, 2019

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "FMT 3296"

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	5,038.64	0	4,753.32	0	4,411.73	0	4,069.30	0	3,726.14	0	3,383.06	0	3,040.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,036.64	1/4	4,746.20	1/4	4,404.62	1/4	4,062.15	1/4	3,718.99	1/4	3,375.91	1/4	3,032.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,034.63	1/2	4,739.09	1/2	4,397.50	1/2	4,055.00	1/2	3,711.84	1/2	3,368.76	1/2	3,025.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,032.62	3/4	4,731.97	3/4	4,390.38	3/4	4,047.85	3/4	3,704.69	3/4	3,361.62	3/4	3,018.56
1		1		1		1	5,030.61	1	4,724.85	1	4,383.27	1	4,040.70	1	3,697.55	1	3,354.47	1	3,011.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,027.42	1/4	4,717.74	1/4	4,376.15	1/4	4,033.55	1/4	3,690.40	1/4	3,347.32	1/4	3,004.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,024.22	1/2	4,710.62	1/2	4,369.03	1/2	4,026.40	1/2	3,683.25	1/2	3,340.17	1/2	2,997.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,021.02	3/4	4,703.50	3/4	4,361.92	3/4	4,019.25	3/4	3,676.10	3/4	3,333.03	3/4	2,989.96
2		2		2		2	5,017.82	2	4,696.39	2	4,354.80	2	4,012.11	2	3,668.95	2	3,325.88	2	2,982.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,013.43	1/4	4,689.27	1/4	4,347.68	1/4	4,004.96	1/4	3,661.80	1/4	3,318.73	1/4	2,975.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,009.04	1/2	4,682.15	1/2	4,340.57	1/2	3,997.81	1/2	3,654.65	1/2	3,311.59	1/2	2,968.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,004.65	3/4	4,675.04	3/4	4,333.45	3/4	3,990.66	3/4	3,647.50	3/4	3,304.44	3/4	2,961.37
3		3		3		3	5,000.26	3	4,667.92	3	4,326.33	3	3,983.51	3	3,640.35	3	3,297.29	3	2,954.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,994.68	1/4	4,660.81	1/4	4,319.22	1/4	3,976.36	1/4	3,633.21	1/4	3,290.14	1/4	2,947.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,989.09	1/2	4,653.69	1/2	4,312.10	1/2	3,969.21	1/2	3,626.06	1/2	3,283.00	1/2	2,939.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,983.51	3/4	4,646.57	3/4	4,304.99	3/4	3,962.06	3/4	3,618.91	3/4	3,275.85	3/4	2,932.77
4		4		4		4	4,977.93	4	4,639.46	4	4,297.87	4	3,954.91	4	3,611.76	4	3,268.70	4	2,925.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,971.34	1/4	4,632.34	1/4	4,290.75	1/4	3,947.76	1/4	3,604.62	1/4	3,261.56	1/4	2,918.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,964.75	1/2	4,625.22	1/2	4,283.64	1/2	3,940.61	1/2	3,597.47	1/2	3,254.41	1/2	2,911.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,958.16	3/4	4,618.11	3/4	4,276.52	3/4	3,933.47	3/4	3,590.32	3/4	3,247.26	3/4	2,904.17
5		5		5		5	4,951.57	5	4,610.99	5	4,269.40	5	3,926.32	5	3,583.18	5	3,240.12	5	2,897.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,944.54	1/4	4,603.87	1/4	4,262.27	1/4	3,919.17	1/4	3,576.03	1/4	3,232.97	1/4	2,889.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,937.51	1/2	4,596.76	1/2	4,255.14	1/2	3,912.02	1/2	3,568.88	1/2	3,225.82	1/2	2,882.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,930.48	3/4	4,589.64	3/4	4,248.01	3/4	3,904.87	3/4	3,561.73	3/4	3,218.67	3/4	2,875.58
6		6		6		6	4,923.45	6	4,582.53	6	4,240.88	6	3,897.72	6	3,554.59	6	3,211.53	6	2,868.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,916.39	1/4	4,575.41	1/4	4,233.73	1/4	3,890.57	1/4	3,547.44	1/4	3,204.38	1/4	2,861.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,909.32	1/2	4,568.29	1/2	4,226.58	1/2	3,883.42	1/2	3,540.29	1/2	3,197.23	1/2	2,854.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,902.26	3/4	4,561.18	3/4	4,219.43	3/4	3,876.27	3/4	3,533.15	3/4	3,190.09	3/4	2,846.98
7		7		7		7	4,895.19	7	4,554.06	7	4,212.28	7	3,869.12	7	3,526.00	7	3,182.94	7	2,839.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,888.12	1/4	4,546.94	1/4	4,205.13	1/4	3,861.97	1/4	3,518.85	1/4	3,175.79	1/4	2,832.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,881.05	1/2	4,539.83	1/2	4,197.98	1/2	3,854.83	1/2	3,511.71	1/2	3,168.64	1/2	2,825.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,873.98	3/4	4,532.71	3/4	4,190.83	3/4	3,847.68	3/4	3,504.56	3/4	3,161.50	3/4	2,818.39
8		8		8		8	4,866.91	8	4,525.59	8	4,183.68	8	3,840.53	8	3,497.41	8	3,154.35	8	2,811.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,859.84	1/4	4,518.48	1/4	4,176.53	1/4	3,833.38	1/4	3,490.26	1/4	3,147.20	1/4	2,804.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,852.77	1/2	4,511.36	1/2	4,169.39	1/2	3,826.23	1/2	3,483.12	1/2	3,140.06	1/2	2,796.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,845.70	3/4	4,504.24	3/4	4,162.24	3/4	3,819.08	3/4	3,475.97	3/4	3,132.91	3/4	2,789.79
9		9		9		9	4,838.62	9	4,497.13	9	4,155.09	9	3,811.93	9	3,468.82	9	3,125.76	9	2,782.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,831.53	1/4	4,490.01	1/4	4,147.94	1/4	3,804.78	1/4	3,461.68	1/4	3,118.61	1/4	2,775.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,824.44	1/2	4,482.90	1/2	4,140.79	1/2	3,797.63	1/2	3,454.53	1/2	3,111.47	1/2	2,768.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,817.34	3/4	4,475.78	3/4	4,133.64	3/4	3,790.48	3/4	3,447.38	3/4	3,104.32	3/4	2,761.19
10		10		10		10	4,810.25	10	4,468.66	10	4,126.49	10	3,783.33	10	3,440.23	10	3,097.17	10	2,754.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,803.13	1/4	4,461.55	1/4	4,119.34	1/4	3,776.19	1/4	3,433.09	1/4	3,090.03	1/4	2,746.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,796.02	1/2	4,454.43	1/2	4,112.19	1/2	3,769.04	1/2	3,425.94	1/2	3,082.88	1/2	2,739.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,788.90	3/4	4,447.31	3/4	4,105.04	3/4	3,761.89	3/4	3,418.79	3/4	3,075.73	3/4	2,732.60
11		11		11	5,042.36	11	4,781.78	11	4,440.20	11	4,097.89	11	3,754.74	11	3,411.65	11	3,068.58	11	2,725.45
1/4	1/4	1/4	1/4	1/4	5,041.43	1/4	4,774.67	1/4	4,433.08	1/4	4,090.75	1/4	3,747.59	1/4	3,404.50	1/4	3,061.44	1/4	2,718.30
1/2	1/2	1/2	1/2	1/2	5,040.50	1/2	4,767.55	1/2	4,425.96	1/2	4,083.60	1/2	3,740.44	1/2	3,397.35	1/2	3,054.29	1/2	2,711.15
3/4	3/4	3/4	3/4	3/4	5,039.57	3/4	4,760.44	3/4	4,418.85	3/4	4,076.45	3/4	3,733.29	3/4	3,390.20	3/4	3,047.14	3/4	2,704.00

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 3296"

**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	2,696.85	0	2,353.69	0	2,010.51	0	1,667.34	0	1,324.16	0	981.69	0	640.44	0	304.42	0	20.51	0	
1/4	2,689.70	1/4	2,346.54	1/4	2,003.36	1/4	1,660.19	1/4	1,317.01	1/4	974.60	1/4	633.30	1/4	297.86	1/4	17.71	1/4	
1/2	2,682.56	1/2	2,339.39	1/2	1,996.21	1/2	1,653.04	1/2	1,309.86	1/2	967.51	1/2	626.15	1/2	291.29	1/2	14.91	1/2	
3/4	2,675.41	3/4	2,332.24	3/4	1,989.06	3/4	1,645.89	3/4	1,302.71	3/4	960.43	3/4	619.00	3/4	284.73	3/4	12.11	3/4	
1	2,668.26	1	2,325.09	1	1,981.91	1	1,638.74	1	1,295.56	1	953.34	1	611.85	1	278.16	1	9.30	1	
1/4	2,661.11	1/4	2,317.94	1/4	1,974.76	1/4	1,631.59	1/4	1,288.41	1/4	946.25	1/4	604.70	1/4	271.68	1/4	7.52	1/4	
1/2	2,653.96	1/2	2,310.79	1/2	1,967.62	1/2	1,624.44	1/2	1,281.26	1/2	939.16	1/2	597.55	1/2	265.20	1/2	5.73	1/2	
3/4	2,646.81	3/4	2,303.64	3/4	1,960.47	3/4	1,617.29	3/4	1,274.11	3/4	932.07	3/4	590.40	3/4	258.72	3/4	3.94	3/4	
2	2,639.66	2	2,296.49	2	1,953.32	2	1,610.14	2	1,266.96	2	924.98	2	583.25	2	252.24	2	2.15	2	
1/4	2,632.51	1/4	2,289.34	1/4	1,946.17	1/4	1,602.99	1/4	1,259.81	1/4	917.89	1/4	576.10	1/4	245.84	1/4		1/4	
1/2	2,625.37	1/2	2,282.19	1/2	1,939.02	1/2	1,595.84	1/2	1,252.67	1/2	910.80	1/2	568.95	1/2	239.44	1/2		1/2	
3/4	2,618.22	3/4	2,275.04	3/4	1,931.87	3/4	1,588.69	3/4	1,245.52	3/4	903.71	3/4	561.80	3/4	233.05	3/4		3/4	
3	2,611.07	3	2,267.89	3	1,924.72	3	1,581.54	3	1,238.37	3	896.62	3	554.65	3	226.65	3		3	
1/4	2,603.92	1/4	2,260.74	1/4	1,917.57	1/4	1,574.39	1/4	1,231.22	1/4	889.54	1/4	547.50	1/4	220.33	1/4		1/4	
1/2	2,596.77	1/2	2,253.60	1/2	1,910.42	1/2	1,567.24	1/2	1,224.07	1/2	882.45	1/2	540.35	1/2	214.02	1/2		1/2	
3/4	2,589.62	3/4	2,246.45	3/4	1,903.27	3/4	1,560.09	3/4	1,216.92	3/4	875.36	3/4	533.21	3/4	207.71	3/4		3/4	
4	2,582.47	4	2,239.30	4	1,896.12	4	1,552.94	4	1,209.77	4	868.27	4	526.06	4	201.39	4		4	
1/4	2,575.32	1/4	2,232.15	1/4	1,888.97	1/4	1,545.79	1/4	1,202.62	1/4	861.18	1/4	518.91	1/4	195.16	1/4		1/4	
1/2	2,568.17	1/2	2,225.00	1/2	1,881.82	1/2	1,538.65	1/2	1,195.47	1/2	854.09	1/2	511.76	1/2	188.93	1/2		1/2	
3/4	2,561.02	3/4	2,217.85	3/4	1,874.67	3/4	1,531.50	3/4	1,188.32	3/4	847.00	3/4	504.61	3/4	182.70	3/4		3/4	
5	2,553.87	5	2,210.70	5	1,867.52	5	1,524.35	5	1,181.17	5	839.91	5	497.46	5	176.47	5		5	
1/4	2,546.72	1/4	2,203.55	1/4	1,860.37	1/4	1,517.20	1/4	1,174.02	1/4	832.83	1/4	490.33	1/4	170.32	1/4		1/4	
1/2	2,539.58	1/2	2,196.40	1/2	1,853.22	1/2	1,510.05	1/2	1,166.87	1/2	825.74	1/2	483.21	1/2	164.18	1/2		1/2	
3/4	2,532.43	3/4	2,189.25	3/4	1,846.07	3/4	1,502.90	3/4	1,159.72	3/4	818.65	3/4	476.08	3/4	158.03	3/4		3/4	
6	2,525.28	6	2,182.10	6	1,838.92	6	1,495.75	6	1,152.57	6	811.56	6	468.96	6	151.88	6		6	
1/4	2,518.13	1/4	2,174.95	1/4	1,831.77	1/4	1,488.60	1/4	1,145.42	1/4	804.47	1/4	461.90	1/4	145.82	1/4		1/4	
1/2	2,510.98	1/2	2,167.80	1/2	1,824.63	1/2	1,481.45	1/2	1,138.27	1/2	797.37	1/2	454.83	1/2	139.76	1/2		1/2	
3/4	2,503.83	3/4	2,160.65	3/4	1,817.48	3/4	1,474.30	3/4	1,131.12	3/4	790.28	3/4	447.77	3/4	133.69	3/4		3/4	
7	2,496.68	7	2,153.50	7	1,810.33	7	1,467.15	7	1,123.97	7	783.19	7	440.71	7	127.63	7		7	
1/4	2,489.53	1/4	2,146.35	1/4	1,803.18	1/4	1,460.00	1/4	1,116.82	1/4	776.08	1/4	433.73	1/4	121.65	1/4		1/4	
1/2	2,482.38	1/2	2,139.20	1/2	1,796.03	1/2	1,452.85	1/2	1,109.68	1/2	768.98	1/2	426.75	1/2	115.67	1/2		1/2	
3/4	2,475.23	3/4	2,132.05	3/4	1,788.88	3/4	1,445.70	3/4	1,102.53	3/4	761.87	3/4	419.77	3/4	109.69	3/4		3/4	
8	2,468.08	8	2,124.90	8	1,781.73	8	1,438.55	8	1,095.38	8	754.76	8	412.79	8	103.71	8		8	
1/4	2,460.93	1/4	2,117.75	1/4	1,774.58	1/4	1,431.40	1/4	1,088.24	1/4	747.63	1/4	405.90	1/4	97.82	1/4		1/4	
1/2	2,453.78	1/2	2,110.61	1/2	1,767.43	1/2	1,424.25	1/2	1,081.11	1/2	740.50	1/2	399.00	1/2	91.93	1/2		1/2	
3/4	2,446.63	3/4	2,103.46	3/4	1,760.28	3/4	1,417.10	3/4	1,073.98	3/4	733.37	3/4	392.10	3/4	86.04	3/4		3/4	
9	2,439.48	9	2,096.31	9	1,753.13	9	1,409.95	9	1,066.85	9	726.24	9	385.20	9	80.15	9		9	
1/4	2,432.33	1/4	2,089.16	1/4	1,745.98	1/4	1,402.80	1/4	1,059.74	1/4	719.09	1/4	378.38	1/4	74.36	1/4		1/4	
1/2	2,425.18	1/2	2,082.01	1/2	1,738.83	1/2	1,395.66	1/2	1,052.63	1/2	711.94	1/2	371.57	1/2	68.57	1/2		1/2	
3/4	2,418.03	3/4	2,074.86	3/4	1,731.68	3/4	1,388.51	3/4	1,045.53	3/4	704.79	3/4	364.75	3/4	62.78	3/4		3/4	
10	2,410.88	10	2,067.71	10	1,724.53	10	1,381.36	10	1,038.42	10	697.64	10	357.94	10	56.99	10		10	
1/4	2,403.73	1/4	2,060.56	1/4	1,717.38	1/4	1,374.21	1/4	1,031.33	1/4	690.49	1/4	351.21	1/4	51.73	1/4		1/4	
1/2	2,396.59	1/2	2,053.41	1/2	1,710.23	1/2	1,367.06	1/2	1,024.24	1/2	683.34	1/2	344.48	1/2	46.47	1/2		1/2	
3/4	2,389.44	3/4	2,046.26	3/4	1,703.08	3/4	1,359.91	3/4	1,017.14	3/4	676.19	3/4	337.74	3/4	41.20	3/4		3/4	
11	2,382.29	11	2,039.11	11	1,695.93	11	1,352.76	11	1,010.05	11	669.04	11	331.01	11	35.94	11		11	
1/4	2,375.14	1/4	2,031.96	1/4	1,688.78	1/4	1,345.61	1/4	1,002.96	1/4	661.89	1/4	324.36	1/4	32.08	1/4		1/4	
1/2	2,367.99	1/2	2,024.81	1/2	1,681.64	1/2	1,338.46	1/2	995.87	1/2	654.74	1/2	317.72	1/2	28.23	1/2		1/2	
3/4	2,360.84	3/4	2,017.66	3/4	1,674.49	3/4	1,331.31	3/4	988.78	3/4	647.59	3/4	311.07	3/4	24.37	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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



BARGE "FMT 3296"

1 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,037.59	0	4,752.46	0	4,411.10	0	4,068.90	0	3,725.97	0	3,383.12	0	3,040.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,035.58	1/4	4,745.35	1/4	4,403.99	1/4	4,061.75	1/4	3,718.83	1/4	3,375.98	1/4	3,033.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,033.57	1/2	4,738.23	1/2	4,396.88	1/2	4,054.61	1/2	3,711.68	1/2	3,368.83	1/2	3,026.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,031.57	3/4	4,731.12	3/4	4,389.77	3/4	4,047.47	3/4	3,704.54	3/4	3,361.69	3/4	3,018.86
1		1		1		1	5,029.56	1	4,724.01	1	4,382.65	1	4,040.32	1	3,697.39	1	3,354.55	1	3,011.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,026.37	1/4	4,716.90	1/4	4,375.54	1/4	4,033.18	1/4	3,690.25	1/4	3,347.41	1/4	3,004.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,023.17	1/2	4,709.79	1/2	4,368.43	1/2	4,026.03	1/2	3,683.11	1/2	3,340.26	1/2	2,997.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,019.97	3/4	4,702.68	3/4	4,361.32	3/4	4,018.89	3/4	3,675.96	3/4	3,333.12	3/4	2,990.29
2		2		2		2	5,016.78	2	4,695.57	2	4,354.21	2	4,011.74	2	3,668.82	2	3,325.98	2	2,983.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,012.39	1/4	4,688.45	1/4	4,347.10	1/4	4,004.60	1/4	3,661.67	1/4	3,318.84	1/4	2,976.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,008.00	1/2	4,681.34	1/2	4,339.99	1/2	3,997.46	1/2	3,654.53	1/2	3,311.69	1/2	2,968.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,003.61	3/4	4,674.23	3/4	4,332.87	3/4	3,990.31	3/4	3,647.38	3/4	3,304.55	3/4	2,961.71
3		3		3		3	4,999.23	3	4,667.12	3	4,325.76	3	3,983.17	3	3,640.24	3	3,297.41	3	2,954.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,993.65	1/4	4,660.01	1/4	4,318.65	1/4	3,976.02	1/4	3,633.10	1/4	3,290.27	1/4	2,947.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,988.07	1/2	4,652.90	1/2	4,311.54	1/2	3,968.88	1/2	3,625.96	1/2	3,283.13	1/2	2,940.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,982.49	3/4	4,645.78	3/4	4,304.43	3/4	3,961.73	3/4	3,618.81	3/4	3,275.98	3/4	2,933.13
4		4		4		4	4,976.91	4	4,638.67	4	4,297.32	4	3,954.59	4	3,611.67	4	3,268.84	4	2,925.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,970.33	1/4	4,631.56	1/4	4,290.20	1/4	3,947.45	1/4	3,604.53	1/4	3,261.70	1/4	2,918.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,963.74	1/2	4,624.45	1/2	4,283.09	1/2	3,940.30	1/2	3,597.39	1/2	3,254.56	1/2	2,911.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,957.16	3/4	4,617.34	3/4	4,275.98	3/4	3,933.16	3/4	3,590.24	3/4	3,247.41	3/4	2,904.56
5		5		5		5	4,950.57	5	4,610.23	5	4,268.87	5	3,926.01	5	3,583.10	5	3,240.27	5	2,897.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,943.55	1/4	4,603.11	1/4	4,261.74	1/4	3,918.87	1/4	3,575.96	1/4	3,233.13	1/4	2,890.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,936.52	1/2	4,596.00	1/2	4,254.62	1/2	3,911.72	1/2	3,568.82	1/2	3,225.99	1/2	2,883.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,929.50	3/4	4,588.89	3/4	4,247.49	3/4	3,904.58	3/4	3,561.68	3/4	3,218.85	3/4	2,875.98
6		6		6		6	4,922.47	6	4,581.78	6	4,240.36	6	3,897.44	6	3,554.53	6	3,211.70	6	2,868.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,915.41	1/4	4,574.67	1/4	4,233.22	1/4	3,890.29	1/4	3,547.39	1/4	3,204.56	1/4	2,861.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,908.35	1/2	4,567.56	1/2	4,226.07	1/2	3,883.15	1/2	3,540.25	1/2	3,197.42	1/2	2,854.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,901.29	3/4	4,560.44	3/4	4,218.93	3/4	3,876.00	3/4	3,533.11	3/4	3,190.28	3/4	2,847.40
7		7		7		7	4,894.24	7	4,553.33	7	4,211.78	7	3,868.86	7	3,525.96	7	3,183.13	7	2,840.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,887.17	1/4	4,546.22	1/4	4,204.64	1/4	3,861.71	1/4	3,518.82	1/4	3,175.99	1/4	2,833.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,880.10	1/2	4,539.11	1/2	4,197.50	1/2	3,854.57	1/2	3,511.68	1/2	3,168.85	1/2	2,825.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,873.04	3/4	4,532.00	3/4	4,190.35	3/4	3,847.43	3/4	3,504.54	3/4	3,161.71	3/4	2,818.83
8		8		8		8	4,865.97	8	4,524.89	8	4,183.21	8	3,840.28	8	3,497.39	8	3,154.56	8	2,811.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,858.91	1/4	4,517.78	1/4	4,176.06	1/4	3,833.14	1/4	3,490.25	1/4	3,147.42	1/4	2,804.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,851.84	1/2	4,510.66	1/2	4,168.92	1/2	3,825.99	1/2	3,483.11	1/2	3,140.28	1/2	2,797.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,844.77	3/4	4,503.55	3/4	4,161.77	3/4	3,818.85	3/4	3,475.97	3/4	3,133.14	3/4	2,790.25
9		9		9		9	4,837.71	9	4,496.44	9	4,154.63	9	3,811.70	9	3,468.83	9	3,126.00	9	2,783.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,830.62	1/4	4,489.33	1/4	4,147.49	1/4	3,804.56	1/4	3,461.68	1/4	3,118.85	1/4	2,775.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,823.53	1/2	4,482.22	1/2	4,140.34	1/2	3,797.41	1/2	3,454.54	1/2	3,111.71	1/2	2,768.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,816.44	3/4	4,475.11	3/4	4,133.20	3/4	3,790.27	3/4	3,447.40	3/4	3,104.57	3/4	2,761.67
10		10		10		10	4,809.35	10	4,467.99	10	4,126.05	10	3,783.13	10	3,440.26	10	3,097.43	10	2,754.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,802.24	1/4	4,460.88	1/4	4,118.91	1/4	3,775.98	1/4	3,433.11	1/4	3,090.28	1/4	2,747.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,795.13	1/2	4,453.77	1/2	4,111.76	1/2	3,768.84	1/2	3,425.97	1/2	3,083.14	1/2	2,740.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,788.02	3/4	4,446.66	3/4	4,104.62	3/4	3,761.69	3/4	3,418.83	3/4	3,076.00	3/4	2,733.10
11		11		11	5,041.30	11	4,780.90	11	4,439.55	11	4,097.48	11	3,754.55	11	3,411.69	11	3,068.86	11	2,725.95
1/4	1/4	1/4	1/4	1/4	5,040.37	1/4	4,773.79	1/4	4,432.44	1/4	4,090.33	1/4	3,747.40	1/4	3,404.54	1/4	3,061.71	1/4	2,718.81
1/2	1/2	1/2	1/2	1/2	5,039.44	1/2	4,766.68	1/2	4,425.32	1/2	4,083.19	1/2	3,740.26	1/2	3,397.40	1/2	3,054.57	1/2	2,711.66
3/4	3/4	3/4	3/4	3/4	5,038.51	3/4	4,759.57	3/4	4,418.21	3/4	4,076.04	3/4	3,733.12	3/4	3,390.26	3/4	3,047.43	3/4	2,704.52

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 3296"

1 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,697.38	0	2,354.44	0	2,011.49	0	1,668.55	0	1,325.60	0	982.71	0	640.01	0	304.18	0	20.50	0	
1/4	2,690.23	1/4	2,347.30	1/4	2,004.35	1/4	1,661.40	1/4	1,318.46	1/4	975.58	1/4	632.87	1/4	297.62	1/4	17.70	1/4	
1/2	2,683.09	1/2	2,340.15	1/2	1,997.21	1/2	1,654.26	1/2	1,311.31	1/2	968.44	1/2	625.72	1/2	291.06	1/2	14.90	1/2	
3/4	2,675.94	3/4	2,333.01	3/4	1,990.06	3/4	1,647.11	3/4	1,304.17	3/4	961.31	3/4	618.58	3/4	284.50	3/4	12.10	3/4	
1	2,668.80	1	2,325.86	1	1,982.92	1	1,639.97	1	1,297.02	1	954.17	1	611.43	1	277.94	1	9.30	1	
1/4	2,661.65	1/4	2,318.72	1/4	1,975.77	1/4	1,632.83	1/4	1,289.88	1/4	947.03	1/4	604.29	1/4	271.46	1/4	7.52	1/4	
1/2	2,654.51	1/2	2,311.57	1/2	1,968.63	1/2	1,625.68	1/2	1,282.74	1/2	939.90	1/2	597.14	1/2	264.99	1/2	5.73	1/2	
3/4	2,647.37	3/4	2,304.43	3/4	1,961.48	3/4	1,618.54	3/4	1,275.59	3/4	932.76	3/4	590.00	3/4	258.51	3/4	3.94	3/4	
2	2,640.22	2	2,297.28	2	1,954.34	2	1,611.39	2	1,268.45	2	925.63	2	582.85	2	252.03	2	2.16	2	
1/4	2,633.08	1/4	2,290.14	1/4	1,947.19	1/4	1,604.25	1/4	1,261.30	1/4	918.49	1/4	575.71	1/4	245.64	1/4		1/4	
1/2	2,625.94	1/2	2,282.99	1/2	1,940.05	1/2	1,597.10	1/2	1,254.16	1/2	911.36	1/2	568.57	1/2	239.25	1/2		1/2	
3/4	2,618.79	3/4	2,275.85	3/4	1,932.90	3/4	1,589.96	3/4	1,247.01	3/4	904.22	3/4	561.42	3/4	232.86	3/4		3/4	
3	2,611.65	3	2,268.70	3	1,925.76	3	1,582.81	3	1,239.87	3	897.08	3	554.28	3	226.46	3		3	
1/4	2,604.50	1/4	2,261.56	1/4	1,918.61	1/4	1,575.67	1/4	1,232.72	1/4	889.95	1/4	547.13	1/4	220.15	1/4		1/4	
1/2	2,597.36	1/2	2,254.41	1/2	1,911.47	1/2	1,568.52	1/2	1,225.58	1/2	882.81	1/2	539.99	1/2	213.85	1/2		1/2	
3/4	2,590.22	3/4	2,247.27	3/4	1,904.32	3/4	1,561.38	3/4	1,218.43	3/4	875.68	3/4	532.84	3/4	207.54	3/4		3/4	
4	2,583.07	4	2,240.12	4	1,897.18	4	1,554.23	4	1,211.29	4	868.54	4	525.70	4	201.23	4		4	
1/4	2,575.93	1/4	2,232.98	1/4	1,890.03	1/4	1,547.09	1/4	1,204.14	1/4	861.41	1/4	518.55	1/4	195.00	1/4		1/4	
1/2	2,568.78	1/2	2,225.84	1/2	1,882.89	1/2	1,539.94	1/2	1,197.00	1/2	854.27	1/2	511.41	1/2	188.78	1/2		1/2	
3/4	2,561.64	3/4	2,218.69	3/4	1,875.75	3/4	1,532.80	3/4	1,189.85	3/4	847.13	3/4	504.26	3/4	182.55	3/4		3/4	
5	2,554.49	5	2,211.55	5	1,868.60	5	1,525.65	5	1,182.71	5	840.00	5	497.12	5	176.33	5		5	
1/4	2,547.35	1/4	2,204.40	1/4	1,861.46	1/4	1,518.51	1/4	1,175.56	1/4	832.86	1/4	490.00	1/4	170.18	1/4		1/4	
1/2	2,540.20	1/2	2,197.26	1/2	1,854.31	1/2	1,511.37	1/2	1,168.42	1/2	825.73	1/2	482.87	1/2	164.04	1/2		1/2	
3/4	2,533.06	3/4	2,190.11	3/4	1,847.17	3/4	1,504.22	3/4	1,161.28	3/4	818.59	3/4	475.75	3/4	157.90	3/4		3/4	
6	2,525.91	6	2,182.97	6	1,840.02	6	1,497.08	6	1,154.13	6	811.46	6	468.63	6	151.76	6		6	
1/4	2,518.77	1/4	2,175.82	1/4	1,832.88	1/4	1,489.93	1/4	1,146.99	1/4	804.32	1/4	461.57	1/4	145.70	1/4		1/4	
1/2	2,511.62	1/2	2,168.68	1/2	1,825.73	1/2	1,482.79	1/2	1,139.84	1/2	797.18	1/2	454.50	1/2	139.64	1/2		1/2	
3/4	2,504.48	3/4	2,161.53	3/4	1,818.59	3/4	1,475.64	3/4	1,132.70	3/4	790.04	3/4	447.44	3/4	133.58	3/4		3/4	
7	2,497.33	7	2,154.39	7	1,811.44	7	1,468.50	7	1,125.55	7	782.90	7	440.38	7	127.52	7		7	
1/4	2,490.19	1/4	2,147.24	1/4	1,804.30	1/4	1,461.35	1/4	1,118.41	1/4	775.75	1/4	433.41	1/4	121.55	1/4		1/4	
1/2	2,483.04	1/2	2,140.10	1/2	1,797.15	1/2	1,454.21	1/2	1,111.26	1/2	768.61	1/2	426.43	1/2	115.58	1/2		1/2	
3/4	2,475.90	3/4	2,132.95	3/4	1,790.01	3/4	1,447.06	3/4	1,104.12	3/4	761.47	3/4	419.45	3/4	109.60	3/4		3/4	
8	2,468.76	8	2,125.81	8	1,782.86	8	1,439.92	8	1,096.97	8	754.32	8	412.47	8	103.63	8		8	
1/4	2,461.61	1/4	2,118.66	1/4	1,775.72	1/4	1,432.77	1/4	1,089.83	1/4	747.18	1/4	405.58	1/4	97.74	1/4		1/4	
1/2	2,454.47	1/2	2,111.52	1/2	1,768.57	1/2	1,425.63	1/2	1,082.68	1/2	740.03	1/2	398.69	1/2	91.86	1/2		1/2	
3/4	2,447.32	3/4	2,104.38	3/4	1,761.43	3/4	1,418.48	3/4	1,075.54	3/4	732.89	3/4	391.79	3/4	85.97	3/4		3/4	
9	2,440.18	9	2,097.23	9	1,754.29	9	1,411.34	9	1,068.39	9	725.74	9	384.90	9	80.09	9		9	
1/4	2,433.03	1/4	2,090.09	1/4	1,747.14	1/4	1,404.19	1/4	1,061.25	1/4	718.60	1/4	378.09	1/4	74.30	1/4		1/4	
1/2	2,425.89	1/2	2,082.94	1/2	1,740.00	1/2	1,397.05	1/2	1,054.11	1/2	711.46	1/2	371.28	1/2	68.52	1/2		1/2	
3/4	2,418.74	3/4	2,075.80	3/4	1,732.85	3/4	1,389.91	3/4	1,046.96	3/4	704.31	3/4	364.47	3/4	62.73	3/4		3/4	
10	2,411.60	10	2,068.65	10	1,725.71	10	1,382.76	10	1,039.82	10	697.17	10	357.66	10	56.95	10		10	
1/4	2,404.45	1/4	2,061.51	1/4	1,718.56	1/4	1,375.62	1/4	1,032.68	1/4	690.02	1/4	350.93	1/4	51.69	1/4		1/4	
1/2	2,397.31	1/2	2,054.36	1/2	1,711.42	1/2	1,368.47	1/2	1,025.54	1/2	682.88	1/2	344.20	1/2	46.43	1/2		1/2	
3/4	2,390.16	3/4	2,047.22	3/4	1,704.27	3/4	1,361.33	3/4	1,018.40	3/4	675.73	3/4	337.48	3/4	41.17	3/4		3/4	
11	2,383.02	11	2,040.07	11	1,697.13	11	1,354.18	11	1,011.26	11	668.59	11	330.75	11	35.91	11		11	
1/4	2,375.87	1/4	2,032.93	1/4	1,689.98	1/4	1,347.04	1/4	1,004.12	1/4	661.44	1/4	324.11	1/4	32.06	1/4		1/4	
1/2	2,368.73	1/2	2,025.78	1/2	1,682.84	1/2	1,339.89	1/2	996.98	1/2	654.30	1/2	317.46	1/2	28.21	1/2		1/2	
3/4	2,361.58	3/4	2,018.64	3/4	1,675.69	3/4	1,332.75	3/4	989.85	3/4	647.15	3/4	310.82	3/4	24.35	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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



BARGE "FMT 3296"

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	5,094.24	0	4,808.58	0	4,466.57	0	4,123.71	0	3,780.13	0	3,436.56	0	3,092.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,092.23	1/4	4,801.46	1/4	4,459.45	1/4	4,116.55	1/4	3,772.97	1/4	3,429.40	1/4	3,085.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,090.22	1/2	4,794.33	1/2	4,452.32	1/2	4,109.39	1/2	3,765.82	1/2	3,422.24	1/2	3,078.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,088.21	3/4	4,787.21	3/4	4,445.20	3/4	4,102.23	3/4	3,758.66	3/4	3,415.08	3/4	3,071.51
1		1		1		1	5,086.21	1	4,780.08	1	4,438.07	1	4,095.08	1	3,751.50	1	3,407.93	1	3,064.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,083.00	1/4	4,772.96	1/4	4,430.95	1/4	4,087.92	1/4	3,744.34	1/4	3,400.77	1/4	3,057.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,079.80	1/2	4,765.83	1/2	4,423.82	1/2	4,080.76	1/2	3,737.19	1/2	3,393.61	1/2	3,050.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,076.60	3/4	4,758.71	3/4	4,416.70	3/4	4,073.60	3/4	3,730.03	3/4	3,386.45	3/4	3,042.89
2		2		2		2	5,073.40	2	4,751.58	2	4,409.57	2	4,066.44	2	3,722.87	2	3,379.30	2	3,035.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,069.00	1/4	4,744.46	1/4	4,402.45	1/4	4,059.29	1/4	3,715.71	1/4	3,372.14	1/4	3,028.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,064.61	1/2	4,737.33	1/2	4,395.32	1/2	4,052.13	1/2	3,708.55	1/2	3,364.98	1/2	3,021.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,060.21	3/4	4,730.20	3/4	4,388.20	3/4	4,044.97	3/4	3,701.40	3/4	3,357.82	3/4	3,014.25
3		3		3		3	5,055.82	3	4,723.08	3	4,381.07	3	4,037.81	3	3,694.24	3	3,350.66	3	3,007.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,050.23	1/4	4,715.95	1/4	4,373.94	1/4	4,030.66	1/4	3,687.08	1/4	3,343.51	1/4	2,999.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,044.64	1/2	4,708.83	1/2	4,366.82	1/2	4,023.50	1/2	3,679.92	1/2	3,336.35	1/2	2,992.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,039.05	3/4	4,701.70	3/4	4,359.69	3/4	4,016.34	3/4	3,672.77	3/4	3,329.19	3/4	2,985.61
4		4		4		4	5,033.46	4	4,694.58	4	4,352.57	4	4,009.18	4	3,665.61	4	3,322.03	4	2,978.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,026.86	1/4	4,687.45	1/4	4,345.44	1/4	4,002.02	1/4	3,658.45	1/4	3,314.88	1/4	2,971.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,020.27	1/2	4,680.33	1/2	4,338.32	1/2	3,994.87	1/2	3,651.29	1/2	3,307.72	1/2	2,964.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,013.67	3/4	4,673.20	3/4	4,331.19	3/4	3,987.71	3/4	3,644.13	3/4	3,300.56	3/4	2,956.97
5		5		5		5	5,007.07	5	4,666.08	5	4,324.07	5	3,980.55	5	3,636.98	5	3,293.40	5	2,949.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,000.03	1/4	4,658.95	1/4	4,316.92	1/4	3,973.39	1/4	3,629.82	1/4	3,286.24	1/4	2,942.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,992.99	1/2	4,651.83	1/2	4,309.78	1/2	3,966.24	1/2	3,622.66	1/2	3,279.09	1/2	2,935.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,985.95	3/4	4,644.70	3/4	4,302.64	3/4	3,959.08	3/4	3,615.50	3/4	3,271.93	3/4	2,928.33
6		6		6		6	4,978.92	6	4,637.58	6	4,295.49	6	3,951.92	6	3,608.35	6	3,264.77	6	2,921.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,971.84	1/4	4,630.45	1/4	4,288.34	1/4	3,944.76	1/4	3,601.19	1/4	3,257.61	1/4	2,914.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,964.77	1/2	4,623.33	1/2	4,281.18	1/2	3,937.60	1/2	3,594.03	1/2	3,250.46	1/2	2,906.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,957.70	3/4	4,616.20	3/4	4,274.02	3/4	3,930.45	3/4	3,586.87	3/4	3,243.30	3/4	2,899.69
7		7		7		7	4,950.63	7	4,609.08	7	4,266.86	7	3,923.29	7	3,579.71	7	3,236.14	7	2,892.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,943.55	1/4	4,601.95	1/4	4,259.70	1/4	3,916.13	1/4	3,572.56	1/4	3,228.98	1/4	2,885.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,936.47	1/2	4,594.83	1/2	4,252.55	1/2	3,908.97	1/2	3,565.40	1/2	3,221.82	1/2	2,878.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,929.39	3/4	4,587.70	3/4	4,245.39	3/4	3,901.81	3/4	3,558.24	3/4	3,214.67	3/4	2,871.05
8		8		8		8	4,922.31	8	4,580.58	8	4,238.23	8	3,894.66	8	3,551.08	8	3,207.51	8	2,863.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,915.23	1/4	4,573.45	1/4	4,231.07	1/4	3,887.50	1/4	3,543.92	1/4	3,200.35	1/4	2,856.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,908.15	1/2	4,566.33	1/2	4,223.92	1/2	3,880.34	1/2	3,536.77	1/2	3,193.19	1/2	2,849.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,901.07	3/4	4,559.20	3/4	4,216.76	3/4	3,873.18	3/4	3,529.61	3/4	3,186.03	3/4	2,842.41
9		9		9		9	4,893.99	9	4,552.07	9	4,209.60	9	3,866.03	9	3,522.45	9	3,178.88	9	2,835.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,886.89	1/4	4,544.95	1/4	4,202.44	1/4	3,858.87	1/4	3,515.29	1/4	3,171.72	1/4	2,828.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,879.79	1/2	4,537.82	1/2	4,195.28	1/2	3,851.71	1/2	3,508.14	1/2	3,164.56	1/2	2,820.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,872.69	3/4	4,530.70	3/4	4,188.13	3/4	3,844.55	3/4	3,500.98	3/4	3,157.40	3/4	2,813.77
10		10		10		10	4,865.58	10	4,523.57	10	4,180.97	10	3,837.39	10	3,493.82	10	3,150.25	10	2,806.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,858.46	1/4	4,516.45	1/4	4,173.81	1/4	3,830.24	1/4	3,486.66	1/4	3,143.09	1/4	2,799.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,851.33	1/2	4,509.32	1/2	4,166.65	1/2	3,823.08	1/2	3,479.50	1/2	3,135.93	1/2	2,792.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,844.21	3/4	4,502.20	3/4	4,159.50	3/4	3,815.92	3/4	3,472.35	3/4	3,128.77	3/4	2,785.13
11		11		11	5,097.96	11	4,837.08	11	4,495.07	11	4,152.34	11	3,808.76	11	3,465.19	11	3,121.61	11	2,777.97
1/4	1/4	1/4	1/4	1/4	5,097.03	1/4	4,829.96	1/4	4,487.95	1/4	4,145.18	1/4	3,801.61	1/4	3,458.03	1/4	3,114.46	1/4	2,770.81
1/2	1/2	1/2	1/2	1/2	5,096.10	1/2	4,822.83	1/2	4,480.82	1/2	4,138.02	1/2	3,794.45	1/2	3,450.87	1/2	3,107.30	1/2	2,763.65
3/4	3/4	3/4	3/4	3/4	5,095.17	3/4	4,815.71	3/4	4,473.70	3/4	4,130.86	3/4	3,787.29	3/4	3,443.72	3/4	3,100.14	3/4	2,756.49

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 3296"

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	2,749.33	0	2,405.66	0	2,061.98	0	1,718.31	0	1,374.63	0	1,035.14	0	701.80	0	358.14	0	23.63	0	
1/4	2,742.17	1/4	2,398.50	1/4	2,054.82	1/4	1,711.15	1/4	1,367.47	1/4	1,028.28	1/4	694.65	1/4	350.98	1/4	20.05	1/4	
1/2	2,735.01	1/2	2,391.34	1/2	2,047.66	1/2	1,703.99	1/2	1,360.31	1/2	1,021.43	1/2	687.49	1/2	343.82	1/2	16.47	1/2	
3/4	2,727.85	3/4	2,384.18	3/4	2,040.50	3/4	1,696.83	3/4	1,353.15	3/4	1,014.58	3/4	680.33	3/4	336.67	3/4	12.89	3/4	
1	2,720.69	1	2,377.02	1	2,033.34	1	1,689.67	1	1,345.99	1	1,007.73	1	673.17	1	329.51	1	9.31	1	
1/4	2,713.53	1/4	2,369.86	1/4	2,026.18	1/4	1,682.51	1/4	1,338.83	1/4	1,000.88	1/4	666.01	1/4	322.35	1/4	7.52	1/4	
1/2	2,706.37	1/2	2,362.70	1/2	2,019.02	1/2	1,675.35	1/2	1,331.67	1/2	994.02	1/2	658.85	1/2	315.19	1/2	5.73	1/2	
3/4	2,699.21	3/4	2,355.54	3/4	2,011.86	3/4	1,668.19	3/4	1,324.51	3/4	987.17	3/4	651.69	3/4	308.03	3/4	3.94	3/4	
2	2,692.05	2	2,348.38	2	2,004.70	2	1,661.03	2	1,317.35	2	980.32	2	644.53	2	300.87	2	2.15	2	
1/4	2,684.89	1/4	2,341.22	1/4	1,997.54	1/4	1,653.87	1/4	1,310.19	1/4	973.47	1/4	637.37	1/4	293.71	1/4		1/4	
1/2	2,677.73	1/2	2,334.06	1/2	1,990.38	1/2	1,646.71	1/2	1,303.03	1/2	966.62	1/2	630.21	1/2	286.55	1/2		1/2	
3/4	2,670.58	3/4	2,326.90	3/4	1,983.22	3/4	1,639.55	3/4	1,295.87	3/4	959.77	3/4	623.05	3/4	279.39	3/4		3/4	
3	2,663.42	3	2,319.74	3	1,976.06	3	1,632.39	3	1,288.71	3	952.91	3	615.89	3	272.23	3		3	
1/4	2,656.26	1/4	2,312.58	1/4	1,968.90	1/4	1,625.23	1/4	1,281.55	1/4	946.06	1/4	608.73	1/4	265.07	1/4		1/4	
1/2	2,649.10	1/2	2,305.42	1/2	1,961.74	1/2	1,618.07	1/2	1,274.39	1/2	939.21	1/2	601.57	1/2	257.91	1/2		1/2	
3/4	2,641.94	3/4	2,298.26	3/4	1,954.59	3/4	1,610.91	3/4	1,267.23	3/4	932.36	3/4	594.41	3/4	250.75	3/4		3/4	
4	2,634.78	4	2,291.10	4	1,947.43	4	1,603.75	4	1,260.07	4	925.51	4	587.25	4	243.59	4		4	
1/4	2,627.62	1/4	2,283.94	1/4	1,940.27	1/4	1,596.59	1/4	1,252.91	1/4	918.65	1/4	580.09	1/4	236.43	1/4		1/4	
1/2	2,620.46	1/2	2,276.78	1/2	1,933.11	1/2	1,589.43	1/2	1,245.75	1/2	911.80	1/2	572.93	1/2	229.27	1/2		1/2	
3/4	2,613.30	3/4	2,269.62	3/4	1,925.95	3/4	1,582.27	3/4	1,238.60	3/4	904.95	3/4	565.77	3/4	222.11	3/4		3/4	
5	2,606.14	5	2,262.46	5	1,918.79	5	1,575.11	5	1,231.44	5	898.10	5	558.61	5	214.95	5		5	
1/4	2,598.98	1/4	2,255.30	1/4	1,911.63	1/4	1,567.95	1/4	1,224.28	1/4	891.25	1/4	551.45	1/4	207.79	1/4		1/4	
1/2	2,591.82	1/2	2,248.14	1/2	1,904.47	1/2	1,560.79	1/2	1,217.12	1/2	884.40	1/2	544.29	1/2	200.63	1/2		1/2	
3/4	2,584.66	3/4	2,240.98	3/4	1,897.31	3/4	1,553.63	3/4	1,209.96	3/4	877.54	3/4	537.13	3/4	193.47	3/4		3/4	
6	2,577.50	6	2,233.82	6	1,890.15	6	1,546.47	6	1,202.80	6	870.69	6	529.97	6	186.31	6		6	
1/4	2,570.34	1/4	2,226.66	1/4	1,882.99	1/4	1,539.31	1/4	1,195.64	1/4	863.84	1/4	522.81	1/4	179.15	1/4		1/4	
1/2	2,563.18	1/2	2,219.50	1/2	1,875.83	1/2	1,532.15	1/2	1,188.48	1/2	856.98	1/2	515.66	1/2	171.99	1/2		1/2	
3/4	2,556.02	3/4	2,212.34	3/4	1,868.67	3/4	1,524.99	3/4	1,181.32	3/4	850.12	3/4	508.50	3/4	164.83	3/4		3/4	
7	2,548.86	7	2,205.18	7	1,861.51	7	1,517.83	7	1,174.16	7	843.27	7	501.34	7	157.68	7		7	
1/4	2,541.70	1/4	2,198.02	1/4	1,854.35	1/4	1,510.67	1/4	1,167.00	1/4	836.40	1/4	494.18	1/4	150.52	1/4		1/4	
1/2	2,534.54	1/2	2,190.86	1/2	1,847.19	1/2	1,503.51	1/2	1,159.84	1/2	829.53	1/2	487.02	1/2	143.36	1/2		1/2	
3/4	2,527.38	3/4	2,183.70	3/4	1,840.03	3/4	1,496.35	3/4	1,152.68	3/4	822.66	3/4	479.86	3/4	136.20	3/4		3/4	
8	2,520.22	8	2,176.54	8	1,832.87	8	1,489.19	8	1,145.52	8	815.80	8	472.70	8	129.04	8		8	
1/4	2,513.06	1/4	2,169.38	1/4	1,825.71	1/4	1,482.03	1/4	1,138.50	1/4	808.78	1/4	465.54	1/4	121.89	1/4		1/4	
1/2	2,505.90	1/2	2,162.22	1/2	1,818.55	1/2	1,474.87	1/2	1,131.48	1/2	801.76	1/2	458.38	1/2	114.73	1/2		1/2	
3/4	2,498.74	3/4	2,155.06	3/4	1,811.39	3/4	1,467.71	3/4	1,124.46	3/4	794.74	3/4	451.22	3/4	107.58	3/4		3/4	
9	2,491.58	9	2,147.90	9	1,804.23	9	1,460.55	9	1,117.44	9	787.72	9	444.06	9	100.42	9		9	
1/4	2,484.42	1/4	2,140.74	1/4	1,797.07	1/4	1,453.39	1/4	1,110.57	1/4	780.56	1/4	436.90	1/4	93.29	1/4		1/4	
1/2	2,477.26	1/2	2,133.58	1/2	1,789.91	1/2	1,446.23	1/2	1,103.71	1/2	773.40	1/2	429.74	1/2	86.15	1/2		1/2	
3/4	2,470.10	3/4	2,126.42	3/4	1,782.75	3/4	1,439.07	3/4	1,096.84	3/4	766.24	3/4	422.58	3/4	79.02	3/4		3/4	
10	2,462.94	10	2,119.26	10	1,775.59	10	1,431.91	10	1,089.97	10	759.08	10	415.42	10	71.88	10		10	
1/4	2,455.78	1/4	2,112.10	1/4	1,768.43	1/4	1,424.75	1/4	1,083.11	1/4	751.92	1/4	408.26	1/4	65.19	1/4		1/4	
1/2	2,448.62	1/2	2,104.94	1/2	1,761.27	1/2	1,417.59	1/2	1,076.26	1/2	744.76	1/2	401.10	1/2	58.49	1/2		1/2	
3/4	2,441.46	3/4	2,097.78	3/4	1,754.11	3/4	1,410.43	3/4	1,069.40	3/4	737.60	3/4	393.94	3/4	51.80	3/4		3/4	
11	2,434.30	11	2,090.62	11	1,746.95	11	1,403.27	11	1,062.54	11	730.44	11	386.78	11	45.11	11		11	
1/4	2,427.14	1/4	2,083.46	1/4	1,739.79	1/4	1,396.11	1/4	1,055.69	1/4	723.28	1/4	379.62	1/4	39.74	1/4		1/4	
1/2	2,419.98	1/2	2,076.30	1/2	1,732.63	1/2	1,388.95	1/2	1,048.84	1/2	716.12	1/2	372.46	1/2	34.37	1/2		1/2	
3/4	2,412.82	3/4	2,069.14	3/4	1,725.47	3/4	1,381.79	3/4	1,041.99	3/4	708.96	3/4	365.30	3/4	29.00	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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



BARGE "FMT 3296"

2 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	5,101.55	0	4,816.19	0	4,474.57	0	4,132.09	0	3,788.90	0	3,445.77	0	3,102.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,099.54	1/4	4,809.08	1/4	4,467.45	1/4	4,124.94	1/4	3,781.75	1/4	3,438.63	1/4	3,095.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,097.54	1/2	4,801.96	1/2	4,460.33	1/2	4,117.79	1/2	3,774.60	1/2	3,431.48	1/2	3,088.38		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,095.53	3/4	4,794.84	3/4	4,453.22	3/4	4,110.64	3/4	3,767.45	3/4	3,424.33	3/4	3,081.23		
1		1		1		1	5,093.52	1	4,787.72	1	4,446.10	1	4,103.49	1	3,760.30	1	3,417.18	1	3,074.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,090.32	1/4	4,780.61	1/4	4,438.98	1/4	4,096.34	1/4	3,753.15	1/4	3,410.03	1/4	3,066.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,087.12	1/2	4,773.49	1/2	4,431.86	1/2	4,089.19	1/2	3,746.00	1/2	3,402.89	1/2	3,059.79		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,083.92	3/4	4,766.37	3/4	4,424.75	3/4	4,082.04	3/4	3,738.85	3/4	3,395.74	3/4	3,052.64		
2		2		2		2	5,080.72	2	4,759.26	2	4,417.63	2	4,074.89	2	3,731.70	2	3,388.59	2	3,045.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,076.33	1/4	4,752.14	1/4	4,410.51	1/4	4,067.74	1/4	3,724.55	1/4	3,381.44	1/4	3,038.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,071.94	1/2	4,745.02	1/2	4,403.40	1/2	4,060.60	1/2	3,717.40	1/2	3,374.30	1/2	3,031.19		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,067.55	3/4	4,737.90	3/4	4,396.28	3/4	4,053.45	3/4	3,710.25	3/4	3,367.15	3/4	3,024.04		
3		3		3		3	5,063.16	3	4,730.79	3	4,389.16	3	4,046.30	3	3,703.10	3	3,360.00	3	3,016.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,057.58	1/4	4,723.67	1/4	4,382.04	1/4	4,039.15	1/4	3,695.95	1/4	3,352.85	1/4	3,009.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,051.99	1/2	4,716.55	1/2	4,374.93	1/2	4,032.00	1/2	3,688.80	1/2	3,345.70	1/2	3,002.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,046.41	3/4	4,709.44	3/4	4,367.81	3/4	4,024.85	3/4	3,681.66	3/4	3,338.56	3/4	2,995.45		
4		4		4		4	5,040.83	4	4,702.32	4	4,360.69	4	4,017.70	4	3,674.51	4	3,331.41	4	2,988.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,034.24	1/4	4,695.20	1/4	4,353.58	1/4	4,010.55	1/4	3,667.36	1/4	3,324.26	1/4	2,981.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,027.65	1/2	4,688.08	1/2	4,346.46	1/2	4,003.40	1/2	3,660.21	1/2	3,317.11	1/2	2,974.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,021.06	3/4	4,680.97	3/4	4,339.34	3/4	3,996.25	3/4	3,653.06	3/4	3,309.96	3/4	2,966.85		
5		5		5		5	5,014.46	5	4,673.85	5	4,332.22	5	3,989.10	5	3,645.92	5	3,302.82	5	2,959.70		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,007.43	1/4	4,666.73	1/4	4,325.09	1/4	3,981.95	1/4	3,638.77	1/4	3,295.67	1/4	2,952.55		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,000.40	1/2	4,659.61	1/2	4,317.96	1/2	3,974.80	1/2	3,631.62	1/2	3,288.52	1/2	2,945.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,993.37	3/4	4,652.50	3/4	4,310.82	3/4	3,967.65	3/4	3,624.47	3/4	3,281.37	3/4	2,938.25		
6		6		6		6	4,986.34	6	4,645.38	6	4,303.69	6	3,960.50	6	3,617.32	6	3,274.22	6	2,931.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,979.28	1/4	4,638.26	1/4	4,296.54	1/4	3,953.35	1/4	3,610.18	1/4	3,267.08	1/4	2,923.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,972.21	1/2	4,631.15	1/2	4,289.39	1/2	3,946.20	1/2	3,603.03	1/2	3,259.93	1/2	2,916.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,965.15	3/4	4,624.03	3/4	4,282.24	3/4	3,939.05	3/4	3,595.88	3/4	3,252.78	3/4	2,909.65		
7		7		7		7	4,958.08	7	4,616.91	7	4,275.09	7	3,931.90	7	3,588.73	7	3,245.63	7	2,902.50		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,951.01	1/4	4,609.79	1/4	4,267.94	1/4	3,924.75	1/4	3,581.58	1/4	3,238.48	1/4	2,895.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,943.94	1/2	4,602.68	1/2	4,260.79	1/2	3,917.60	1/2	3,574.44	1/2	3,231.34	1/2	2,888.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,936.87	3/4	4,595.56	3/4	4,253.64	3/4	3,910.45	3/4	3,567.29	3/4	3,224.19	3/4	2,881.05		
8		8		8		8	4,929.80	8	4,588.44	8	4,246.49	8	3,903.30	8	3,560.14	8	3,217.04	8	2,873.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,922.73	1/4	4,581.33	1/4	4,239.34	1/4	3,896.15	1/4	3,552.99	1/4	3,209.89	1/4	2,866.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,915.65	1/2	4,574.21	1/2	4,232.19	1/2	3,889.00	1/2	3,545.84	1/2	3,202.75	1/2	2,859.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,908.58	3/4	4,567.09	3/4	4,225.04	3/4	3,881.85	3/4	3,538.70	3/4	3,195.60	3/4	2,852.45		
9		9		9		9	4,901.51	9	4,559.97	9	4,217.89	9	3,874.70	9	3,531.55	9	3,188.45	9	2,845.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,894.42	1/4	4,552.86	1/4	4,210.74	1/4	3,867.55	1/4	3,524.40	1/4	3,181.30	1/4	2,838.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,887.32	1/2	4,545.74	1/2	4,203.59	1/2	3,860.40	1/2	3,517.25	1/2	3,174.15	1/2	2,831.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,880.23	3/4	4,538.62	3/4	4,196.44	3/4	3,853.25	3/4	3,510.11	3/4	3,167.01	3/4	2,823.85		
10		10		10		10	4,873.13	10	4,531.51	10	4,189.29	10	3,846.10	10	3,502.96	10	3,159.86	10	2,816.70		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,866.01	1/4	4,524.39	1/4	4,182.14	1/4	3,838.95	1/4	3,495.81	1/4	3,152.71	1/4	2,809.55		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,858.90	1/2	4,517.27	1/2	4,174.99	1/2	3,831.80	1/2	3,488.66	1/2	3,145.56	1/2	2,802.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,851.78	3/4	4,510.15	3/4	4,167.84	3/4	3,824.65	3/4	3,481.51	3/4	3,138.41	3/4	2,795.25		
11		11		11		11	5,105.27	11	4,844.66	11	4,503.04	11	4,160.69	11	3,817.50	11	3,474.37	11	3,131.27	11	2,788.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,104.34	1/4	4,837.54	1/4	4,495.92	1/4	4,153.54	1/4	3,810.35	1/4	3,467.22	1/4	3,124.12	1/4	2,780.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,103.41	1/2	4,830.43	1/2	4,488.80	1/2	4,146.39	1/2	3,803.20	1/2	3,460.07	1/2	3,116.97	1/2	2,773.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,102.48	3/4	4,823.31	3/4	4,481.68	3/4	4,139.24	3/4	3,796.05	3/4	3,452.92	3/4	3,109.82	3/4	2,766.65

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 3296"

2 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,759.50	0	2,416.30	0	2,073.11	0	1,729.91	0	1,386.72	0	1,043.63	0	700.83	0	357.65	0	23.60	0	
1/4	2,752.35	1/4	2,409.15	1/4	2,065.96	1/4	1,722.76	1/4	1,379.57	1/4	1,036.49	1/4	693.68	1/4	350.50	1/4	20.03	1/4	
1/2	2,745.20	1/2	2,402.00	1/2	2,058.81	1/2	1,715.61	1/2	1,372.42	1/2	1,029.36	1/2	686.53	1/2	343.35	1/2	16.45	1/2	
3/4	2,738.05	3/4	2,394.85	3/4	2,051.66	3/4	1,708.46	3/4	1,365.27	3/4	1,022.22	3/4	679.38	3/4	336.20	3/4	12.88	3/4	
1	2,730.90	1	2,387.70	1	2,044.51	1	1,701.31	1	1,358.12	1	1,015.09	1	672.23	1	329.05	1	9.30	1	
1/4	2,723.75	1/4	2,380.55	1/4	2,037.36	1/4	1,694.16	1/4	1,350.97	1/4	1,007.95	1/4	665.08	1/4	321.90	1/4	7.51	1/4	
1/2	2,716.60	1/2	2,373.40	1/2	2,030.21	1/2	1,687.01	1/2	1,343.82	1/2	1,000.81	1/2	657.93	1/2	314.75	1/2	5.73	1/2	
3/4	2,709.45	3/4	2,366.25	3/4	2,023.06	3/4	1,679.86	3/4	1,336.67	3/4	993.68	3/4	650.78	3/4	307.60	3/4	3.94	3/4	
2	2,702.30	2	2,359.10	2	2,015.91	2	1,672.71	2	1,329.52	2	986.54	2	643.63	2	300.45	2	2.15	2	
1/4	2,695.15	1/4	2,351.95	1/4	2,008.76	1/4	1,665.56	1/4	1,322.37	1/4	979.41	1/4	636.48	1/4	293.30	1/4		1/4	
1/2	2,688.00	1/2	2,344.80	1/2	2,001.61	1/2	1,658.41	1/2	1,315.22	1/2	972.27	1/2	629.33	1/2	286.15	1/2		1/2	
3/4	2,680.85	3/4	2,337.65	3/4	1,994.46	3/4	1,651.26	3/4	1,308.07	3/4	965.14	3/4	622.18	3/4	279.00	3/4		3/4	
3	2,673.70	3	2,330.50	3	1,987.31	3	1,644.11	3	1,300.92	3	958.00	3	615.03	3	271.85	3		3	
1/4	2,666.55	1/4	2,323.35	1/4	1,980.16	1/4	1,636.96	1/4	1,293.77	1/4	950.86	1/4	607.88	1/4	264.70	1/4		1/4	
1/2	2,659.40	1/2	2,316.20	1/2	1,973.01	1/2	1,629.81	1/2	1,286.62	1/2	943.73	1/2	600.73	1/2	257.55	1/2		1/2	
3/4	2,652.25	3/4	2,309.05	3/4	1,965.86	3/4	1,622.66	3/4	1,279.47	3/4	936.59	3/4	593.58	3/4	250.40	3/4		3/4	
4	2,645.10	4	2,301.90	4	1,958.71	4	1,615.51	4	1,272.32	4	929.46	4	586.43	4	243.25	4		4	
1/4	2,637.95	1/4	2,294.75	1/4	1,951.56	1/4	1,608.36	1/4	1,265.17	1/4	922.32	1/4	579.28	1/4	236.10	1/4		1/4	
1/2	2,630.80	1/2	2,287.61	1/2	1,944.41	1/2	1,601.21	1/2	1,258.02	1/2	915.19	1/2	572.14	1/2	228.95	1/2		1/2	
3/4	2,623.65	3/4	2,280.46	3/4	1,937.26	3/4	1,594.06	3/4	1,250.87	3/4	908.05	3/4	564.99	3/4	221.80	3/4		3/4	
5	2,616.50	5	2,273.31	5	1,930.11	5	1,586.91	5	1,243.72	5	900.91	5	557.84	5	214.66	5		5	
1/4	2,609.35	1/4	2,266.16	1/4	1,922.96	1/4	1,579.76	1/4	1,236.57	1/4	893.78	1/4	550.69	1/4	207.51	1/4		1/4	
1/2	2,602.20	1/2	2,259.01	1/2	1,915.81	1/2	1,572.62	1/2	1,229.42	1/2	886.64	1/2	543.54	1/2	200.36	1/2		1/2	
3/4	2,595.05	3/4	2,251.86	3/4	1,908.66	3/4	1,565.47	3/4	1,222.27	3/4	879.51	3/4	536.39	3/4	193.21	3/4		3/4	
6	2,587.90	6	2,244.71	6	1,901.51	6	1,558.32	6	1,215.12	6	872.37	6	529.24	6	186.06	6		6	
1/4	2,580.75	1/4	2,237.56	1/4	1,894.36	1/4	1,551.17	1/4	1,207.97	1/4	865.23	1/4	522.09	1/4	178.91	1/4		1/4	
1/2	2,573.60	1/2	2,230.41	1/2	1,887.21	1/2	1,544.02	1/2	1,200.82	1/2	858.09	1/2	514.94	1/2	171.76	1/2		1/2	
3/4	2,566.45	3/4	2,223.26	3/4	1,880.06	3/4	1,536.87	3/4	1,193.67	3/4	850.95	3/4	507.79	3/4	164.61	3/4		3/4	
7	2,559.30	7	2,216.11	7	1,872.91	7	1,529.72	7	1,186.52	7	843.81	7	500.64	7	157.46	7		7	
1/4	2,552.15	1/4	2,208.96	1/4	1,865.76	1/4	1,522.57	1/4	1,179.37	1/4	836.67	1/4	493.49	1/4	150.31	1/4		1/4	
1/2	2,545.00	1/2	2,201.81	1/2	1,858.61	1/2	1,515.42	1/2	1,172.22	1/2	829.52	1/2	486.34	1/2	143.16	1/2		1/2	
3/4	2,537.85	3/4	2,194.66	3/4	1,851.46	3/4	1,508.27	3/4	1,165.07	3/4	822.37	3/4	479.19	3/4	136.01	3/4		3/4	
8	2,530.70	8	2,187.51	8	1,844.31	8	1,501.12	8	1,157.92	8	815.22	8	472.04	8	128.86	8		8	
1/4	2,523.55	1/4	2,180.36	1/4	1,837.16	1/4	1,493.97	1/4	1,150.77	1/4	808.07	1/4	464.89	1/4	121.72	1/4		1/4	
1/2	2,516.40	1/2	2,173.21	1/2	1,830.01	1/2	1,486.82	1/2	1,143.62	1/2	800.92	1/2	457.74	1/2	114.58	1/2		1/2	
3/4	2,509.25	3/4	2,166.06	3/4	1,822.86	3/4	1,479.67	3/4	1,136.47	3/4	793.77	3/4	450.59	3/4	107.43	3/4		3/4	
9	2,502.10	9	2,158.91	9	1,815.71	9	1,472.52	9	1,129.32	9	786.62	9	443.44	9	100.29	9		9	
1/4	2,494.95	1/4	2,151.76	1/4	1,808.56	1/4	1,465.37	1/4	1,122.17	1/4	779.47	1/4	436.29	1/4	93.16	1/4		1/4	
1/2	2,487.80	1/2	2,144.61	1/2	1,801.41	1/2	1,458.22	1/2	1,115.03	1/2	772.32	1/2	429.14	1/2	86.04	1/2		1/2	
3/4	2,480.65	3/4	2,137.46	3/4	1,794.26	3/4	1,451.07	3/4	1,107.88	3/4	765.17	3/4	421.99	3/4	78.91	3/4		3/4	
10	2,473.50	10	2,130.31	10	1,787.11	10	1,443.92	10	1,100.73	10	758.02	10	414.84	10	71.78	10		10	
1/4	2,466.35	1/4	2,123.16	1/4	1,779.96	1/4	1,436.77	1/4	1,093.59	1/4	750.88	1/4	407.69	1/4	65.10	1/4		1/4	
1/2	2,459.20	1/2	2,116.01	1/2	1,772.81	1/2	1,429.62	1/2	1,086.45	1/2	743.73	1/2	400.54	1/2	58.41	1/2		1/2	
3/4	2,452.05	3/4	2,108.86	3/4	1,765.66	3/4	1,422.47	3/4	1,079.31	3/4	736.58	3/4	393.40	3/4	51.73	3/4		3/4	
11	2,444.90	11	2,101.71	11	1,758.51	11	1,415.32	11	1,072.17	11	729.43	11	386.25	11	45.05	11		11	
1/4	2,437.75	1/4	2,094.56	1/4	1,751.36	1/4	1,408.17	1/4	1,065.04	1/4	722.28	1/4	379.10	1/4	39.69	1/4		1/4	
1/2	2,430.60	1/2	2,087.41	1/2	1,744.21	1/2	1,401.02	1/2	1,057.90	1/2	715.13	1/2	371.95	1/2	34.32	1/2		1/2	
3/4	2,423.45	3/4	2,080.26	3/4	1,737.06	3/4	1,393.87	3/4	1,050.77	3/4	707.98	3/4	364.80	3/4	28.96	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
 CALCULATED: 07/10/2019 CL
 PRINTED: 07/11/2019 JS

CANCELS AND SUPERCEDES
 ALL PRIOR TO 07/2019

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



BARGE "FMT 3296"

3 PORT ULLAGE TABLE

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,393.51	0	4,227.50	0	4,018.80	0	3,809.63	0	3,600.02	0	3,390.93	0	3,080.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,392.44	1/4	4,223.15	1/4	4,014.46	1/4	3,805.27	1/4	3,595.66	1/4	3,386.58	1/4	3,073.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,390.73	1/2	4,218.80	1/2	4,010.11	1/2	3,800.90	1/2	3,591.29	1/2	3,382.24	1/2	3,066.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,389.03	3/4	4,214.46	3/4	4,005.76	3/4	3,796.53	3/4	3,586.92	3/4	3,377.90	3/4	3,059.45
1		1		1		1	4,387.32	1	4,210.11	1	4,001.41	1	3,792.17	1	3,582.56	1	3,373.56	1	3,052.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,385.61	1/4	4,205.76	1/4	3,997.07	1/4	3,787.80	1/4	3,578.19	1/4	3,369.21	1/4	3,045.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,383.91	1/2	4,201.41	1/2	3,992.72	1/2	3,783.43	1/2	3,573.82	1/2	3,364.88	1/2	3,038.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,382.20	3/4	4,197.06	3/4	3,988.37	3/4	3,779.07	3/4	3,569.46	3/4	3,360.55	3/4	3,031.01
2		2		2		2	4,380.50	2	4,192.72	2	3,984.02	2	3,774.70	2	3,565.09	2	3,356.22	2	3,023.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,378.79	1/4	4,188.37	1/4	3,979.67	1/4	3,770.33	1/4	3,560.72	1/4	3,351.88	1/4	3,016.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,376.82	1/2	4,184.02	1/2	3,975.33	1/2	3,765.97	1/2	3,556.35	1/2	3,346.17	1/2	3,009.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,374.84	3/4	4,179.67	3/4	3,970.98	3/4	3,761.60	3/4	3,551.99	3/4	3,340.46	3/4	3,002.53
3		3		3		3	4,372.87	3	4,175.33	3	3,966.63	3	3,757.23	3	3,547.62	3	3,334.75	3	2,995.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,370.89	1/4	4,170.98	1/4	3,962.28	1/4	3,752.87	1/4	3,543.25	1/4	3,329.03	1/4	2,988.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,368.06	1/2	4,166.63	1/2	3,957.94	1/2	3,748.50	1/2	3,538.89	1/2	3,321.94	1/2	2,981.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,365.22	3/4	4,162.28	3/4	3,953.59	3/4	3,744.13	3/4	3,534.54	3/4	3,314.85	3/4	2,974.04
4		4		4		4	4,362.39	4	4,157.93	4	3,949.24	4	3,739.76	4	3,530.18	4	3,307.76	4	2,966.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,359.55	1/4	4,153.59	1/4	3,944.89	1/4	3,735.40	1/4	3,525.82	1/4	3,300.67	1/4	2,959.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,355.71	1/2	4,149.24	1/2	3,940.54	1/2	3,731.03	1/2	3,521.47	1/2	3,293.57	1/2	2,952.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,351.87	3/4	4,144.89	3/4	3,936.20	3/4	3,726.66	3/4	3,517.12	3/4	3,286.48	3/4	2,945.54
5		5		5		5	4,348.03	5	4,140.54	5	3,931.85	5	3,722.30	5	3,512.76	5	3,279.39	5	2,938.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,344.19	1/4	4,136.20	1/4	3,927.50	1/4	3,717.93	1/4	3,508.41	1/4	3,272.30	1/4	2,931.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,339.91	1/2	4,131.85	1/2	3,923.14	1/2	3,713.56	1/2	3,504.06	1/2	3,265.21	1/2	2,924.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,335.63	3/4	4,127.50	3/4	3,918.79	3/4	3,709.20	3/4	3,499.71	3/4	3,258.12	3/4	2,917.06
6		6		6		6	4,331.35	6	4,123.15	6	3,914.43	6	3,704.83	6	3,495.36	6	3,251.03	6	2,909.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,327.07	1/4	4,118.80	1/4	3,910.07	1/4	3,700.46	1/4	3,491.01	1/4	3,243.94	1/4	2,902.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,322.76	1/2	4,114.46	1/2	3,905.71	1/2	3,696.10	1/2	3,486.66	1/2	3,236.85	1/2	2,895.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,318.45	3/4	4,110.11	3/4	3,901.34	3/4	3,691.73	3/4	3,482.31	3/4	3,229.76	3/4	2,888.60
7		7		7		7	4,314.14	7	4,105.76	7	3,896.97	7	3,687.36	7	3,477.96	7	3,222.67	7	2,881.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,309.83	1/4	4,101.41	1/4	3,892.61	1/4	3,682.99	1/4	3,473.60	1/4	3,215.57	1/4	2,874.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,305.51	1/2	4,097.07	1/2	3,888.24	1/2	3,678.63	1/2	3,469.25	1/2	3,208.48	1/2	2,867.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,301.19	3/4	4,092.72	3/4	3,883.87	3/4	3,674.26	3/4	3,464.90	3/4	3,201.39	3/4	2,860.15
8		8		8		8	4,296.87	8	4,088.37	8	3,879.51	8	3,669.89	8	3,460.55	8	3,194.30	8	2,853.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,292.55	1/4	4,084.02	1/4	3,875.14	1/4	3,665.53	1/4	3,456.20	1/4	3,187.21	1/4	2,845.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,288.23	1/2	4,079.67	1/2	3,870.77	1/2	3,661.16	1/2	3,451.85	1/2	3,180.12	1/2	2,838.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,283.91	3/4	4,075.33	3/4	3,866.40	3/4	3,656.79	3/4	3,447.50	3/4	3,173.03	3/4	2,831.71
9		9		9		9	4,279.59	9	4,070.98	9	3,862.04	9	3,652.43	9	3,443.15	9	3,165.94	9	2,824.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,275.27	1/4	4,066.63	1/4	3,857.67	1/4	3,648.06	1/4	3,438.80	1/4	3,158.85	1/4	2,817.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,270.94	1/2	4,062.28	1/2	3,853.30	1/2	3,643.69	1/2	3,434.44	1/2	3,151.76	1/2	2,810.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,266.60	3/4	4,057.93	3/4	3,848.94	3/4	3,639.33	3/4	3,430.09	3/4	3,144.67	3/4	2,803.26
10		10		10		10	4,262.27	10	4,053.59	10	3,844.57	10	3,634.96	10	3,425.74	10	3,137.58	10	2,796.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,257.93	1/4	4,049.24	1/4	3,840.20	1/4	3,630.59	1/4	3,421.39	1/4	3,130.49	1/4	2,789.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,253.59	1/2	4,044.89	1/2	3,835.84	1/2	3,626.23	1/2	3,417.04	1/2	3,123.39	1/2	2,781.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,249.24	3/4	4,040.54	3/4	3,831.47	3/4	3,621.86	3/4	3,412.69	3/4	3,116.29	3/4	2,774.82
11		11		11		11	4,244.89	11	4,036.20	11	3,827.10	11	3,617.49	11	3,408.34	11	3,109.20	11	2,767.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,396.74	1/4	4,240.54	1/4	4,031.85	1/4	3,822.74	1/4	3,613.12	1/4	3,403.99	1/4	3,102.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,395.66	1/2	4,236.19	1/2	4,027.50	1/2	3,818.37	1/2	3,608.76	1/2	3,399.64	1/2	3,094.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,394.59	3/4	4,231.85	3/4	4,023.15	3/4	3,814.00	3/4	3,604.39	3/4	3,395.28	3/4	3,087.88

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
<http://www.pmacorp.net>



BARGE "FMT 3296"

3 PORT ULLAGE TABLE 10" HATCH GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,739.26	0	2,397.89	0	2,056.49	0	1,715.09	0	1,373.69	0	1,035.97	0	705.03	0	363.55	0	28.86	0	
1/4	2,732.15	1/4	2,390.78	1/4	2,049.38	1/4	1,707.98	1/4	1,366.58	1/4	1,029.17	1/4	697.92	1/4	356.43	1/4	23.52	1/4	
1/2	2,725.03	1/2	2,383.67	1/2	2,042.27	1/2	1,700.87	1/2	1,359.47	1/2	1,022.36	1/2	690.80	1/2	349.31	1/2	19.96	1/2	
3/4	2,717.92	3/4	2,376.56	3/4	2,035.16	3/4	1,693.76	3/4	1,352.36	3/4	1,015.56	3/4	683.69	3/4	342.18	3/4	16.39	3/4	
1	2,710.81	1	2,369.44	1	2,028.04	1	1,686.64	1	1,345.24	1	1,008.76	1	676.58	1	335.06	1	12.83	1	
1/4	2,703.70	1/4	2,362.33	1/4	2,020.93	1/4	1,679.53	1/4	1,338.13	1/4	1,001.95	1/4	669.46	1/4	327.93	1/4	9.27	1/4	
1/2	2,696.59	1/2	2,355.22	1/2	2,013.82	1/2	1,672.42	1/2	1,331.02	1/2	995.15	1/2	662.35	1/2	320.81	1/2	7.49	1/2	
3/4	2,689.48	3/4	2,348.11	3/4	2,006.71	3/4	1,665.31	3/4	1,323.91	3/4	988.35	3/4	655.24	3/4	313.68	3/4	5.71	3/4	
2	2,682.36	2	2,340.99	2	1,999.59	2	1,658.19	2	1,316.79	2	981.54	2	648.12	2	306.56	2	3.92	2	
1/4	2,675.25	1/4	2,333.88	1/4	1,992.48	1/4	1,651.08	1/4	1,309.68	1/4	974.74	1/4	641.01	1/4	299.43	1/4	2.14	1/4	
1/2	2,668.14	1/2	2,326.77	1/2	1,985.37	1/2	1,643.97	1/2	1,302.57	1/2	967.94	1/2	633.89	1/2	292.30	1/2		1/2	
3/4	2,661.03	3/4	2,319.66	3/4	1,978.26	3/4	1,636.86	3/4	1,295.46	3/4	961.13	3/4	626.78	3/4	285.18	3/4		3/4	
3	2,653.92	3	2,312.54	3	1,971.14	3	1,629.74	3	1,288.34	3	954.33	3	619.67	3	278.05	3		3	
1/4	2,646.81	1/4	2,305.43	1/4	1,964.03	1/4	1,622.63	1/4	1,281.23	1/4	947.53	1/4	612.55	1/4	270.93	1/4		1/4	
1/2	2,639.70	1/2	2,298.32	1/2	1,956.92	1/2	1,615.52	1/2	1,274.12	1/2	940.72	1/2	605.44	1/2	263.80	1/2		1/2	
3/4	2,632.58	3/4	2,291.21	3/4	1,949.81	3/4	1,608.41	3/4	1,267.01	3/4	933.92	3/4	598.33	3/4	256.68	3/4		3/4	
4	2,625.47	4	2,284.09	4	1,942.69	4	1,601.29	4	1,259.89	4	927.12	4	591.21	4	249.55	4		4	
1/4	2,618.36	1/4	2,276.98	1/4	1,935.58	1/4	1,594.18	1/4	1,252.78	1/4	920.31	1/4	584.10	1/4	242.43	1/4		1/4	
1/2	2,611.25	1/2	2,269.87	1/2	1,928.47	1/2	1,587.07	1/2	1,245.67	1/2	913.51	1/2	576.98	1/2	235.30	1/2		1/2	
3/4	2,604.14	3/4	2,262.76	3/4	1,921.36	3/4	1,579.96	3/4	1,238.56	3/4	906.71	3/4	569.87	3/4	228.18	3/4		3/4	
5	2,597.03	5	2,255.64	5	1,914.24	5	1,572.84	5	1,231.44	5	899.90	5	562.76	5	221.05	5		5	
1/4	2,589.91	1/4	2,248.53	1/4	1,907.13	1/4	1,565.73	1/4	1,224.33	1/4	893.10	1/4	555.64	1/4	213.92	1/4		1/4	
1/2	2,582.80	1/2	2,241.42	1/2	1,900.02	1/2	1,558.62	1/2	1,217.22	1/2	886.30	1/2	548.53	1/2	206.80	1/2		1/2	
3/4	2,575.69	3/4	2,234.31	3/4	1,892.91	3/4	1,551.51	3/4	1,210.11	3/4	879.50	3/4	541.41	3/4	199.67	3/4		3/4	
6	2,568.58	6	2,227.19	6	1,885.79	6	1,544.39	6	1,202.99	6	872.69	6	534.30	6	192.55	6		6	
1/4	2,561.47	1/4	2,220.08	1/4	1,878.68	1/4	1,537.28	1/4	1,195.88	1/4	865.89	1/4	527.19	1/4	185.42	1/4		1/4	
1/2	2,554.36	1/2	2,212.97	1/2	1,871.57	1/2	1,530.17	1/2	1,188.77	1/2	859.08	1/2	520.07	1/2	178.30	1/2		1/2	
3/4	2,547.24	3/4	2,205.86	3/4	1,864.46	3/4	1,523.06	3/4	1,181.66	3/4	852.28	3/4	512.96	3/4	171.17	3/4		3/4	
7	2,540.13	7	2,198.74	7	1,857.34	7	1,515.94	7	1,174.54	7	845.47	7	505.85	7	164.05	7		7	
1/4	2,533.02	1/4	2,191.63	1/4	1,850.23	1/4	1,508.83	1/4	1,167.43	1/4	838.66	1/4	498.73	1/4	156.92	1/4		1/4	
1/2	2,525.91	1/2	2,184.52	1/2	1,843.12	1/2	1,501.72	1/2	1,160.32	1/2	831.81	1/2	491.62	1/2	149.80	1/2		1/2	
3/4	2,518.80	3/4	2,177.41	3/4	1,836.01	3/4	1,494.61	3/4	1,153.21	3/4	824.97	3/4	484.50	3/4	142.67	3/4		3/4	
8	2,511.69	8	2,170.29	8	1,828.89	8	1,487.49	8	1,146.09	8	818.12	8	477.39	8	135.55	8		8	
1/4	2,504.57	1/4	2,163.18	1/4	1,821.78	1/4	1,480.38	1/4	1,138.98	1/4	811.27	1/4	470.28	1/4	128.42	1/4		1/4	
1/2	2,497.46	1/2	2,156.07	1/2	1,814.67	1/2	1,473.27	1/2	1,131.87	1/2	804.28	1/2	463.16	1/2	121.30	1/2		1/2	
3/4	2,490.35	3/4	2,148.96	3/4	1,807.56	3/4	1,466.16	3/4	1,124.76	3/4	797.28	3/4	456.05	3/4	114.18	3/4		3/4	
9	2,483.24	9	2,141.84	9	1,800.44	9	1,459.04	9	1,117.65	9	790.28	9	448.94	9	107.06	9		9	
1/4	2,476.13	1/4	2,134.73	1/4	1,793.33	1/4	1,451.93	1/4	1,110.54	1/4	783.28	1/4	441.82	1/4	99.94	1/4		1/4	
1/2	2,469.02	1/2	2,127.62	1/2	1,786.22	1/2	1,444.82	1/2	1,103.43	1/2	776.17	1/2	434.71	1/2	92.84	1/2		1/2	
3/4	2,461.91	3/4	2,120.51	3/4	1,779.11	3/4	1,437.71	3/4	1,096.32	3/4	769.06	3/4	427.59	3/4	85.74	3/4		3/4	
10	2,454.79	10	2,113.39	10	1,771.99	10	1,430.59	10	1,090.45	10	761.94	10	420.48	10	78.64	10		10	
1/4	2,447.68	1/4	2,106.28	1/4	1,764.88	1/4	1,423.48	1/4	1,083.34	1/4	754.83	1/4	413.37	1/4	71.54	1/4		1/4	
1/2	2,440.57	1/2	2,099.17	1/2	1,757.77	1/2	1,416.37	1/2	1,076.23	1/2	747.72	1/2	406.25	1/2	64.44	1/2		1/2	
3/4	2,433.46	3/4	2,092.06	3/4	1,750.66	3/4	1,409.26	3/4	1,069.12	3/4	740.60	3/4	399.14	3/4	57.34	3/4		3/4	
11	2,426.34	11	2,084.94	11	1,743.54	11	1,402.14	11	1,063.01	11	733.49	11	392.03	11	50.24	11		11	
1/4	2,419.23	1/4	2,077.83	1/4	1,736.43	1/4	1,395.03	1/4	1,055.90	1/4	726.37	1/4	384.91	1/4	43.14	1/4		1/4	
1/2	2,412.12	1/2	2,070.72	1/2	1,729.32	1/2	1,387.92	1/2	1,048.79	1/2	719.26	1/2	377.79	1/2	36.04	1/2		1/2	
3/4	2,405.01	3/4	2,063.61	3/4	1,722.21	3/4	1,380.81	3/4	1,042.68	3/4	712.15	3/4	370.67	3/4	28.94	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
CALCULATED: 07/10/2019 CL
PRINTED: 07/11/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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



BARGE "FMT 3296"

3 STBD ULLAGE TABLE

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,417.21	0	4,250.87	0	4,041.78	0	3,832.22	0	3,622.22	0	3,412.21	0	3,101.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,416.13	1/4	4,246.52	1/4	4,037.43	1/4	3,827.85	1/4	3,617.84	1/4	3,407.84	1/4	3,094.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,414.42	1/2	4,242.16	1/2	4,033.07	1/2	3,823.47	1/2	3,613.47	1/2	3,403.48	1/2	3,087.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,412.71	3/4	4,237.80	3/4	4,028.72	3/4	3,819.10	3/4	3,609.09	3/4	3,399.12	3/4	3,080.30
1		1		1		1	4,411.00	1	4,233.45	1	4,024.36	1	3,814.72	1	3,604.72	1	3,394.77	1	3,073.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,409.29	1/4	4,229.09	1/4	4,020.00	1/4	3,810.35	1/4	3,600.34	1/4	3,390.41	1/4	3,066.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,407.58	1/2	4,224.74	1/2	4,015.65	1/2	3,805.97	1/2	3,595.97	1/2	3,386.07	1/2	3,058.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,405.88	3/4	4,220.38	3/4	4,011.29	3/4	3,801.60	3/4	3,591.59	3/4	3,381.73	3/4	3,051.84
2		2		2		2	4,404.17	2	4,216.02	2	4,006.94	2	3,797.22	2	3,587.22	2	3,377.39	2	3,044.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,402.46	1/4	4,211.67	1/4	4,002.58	1/4	3,792.85	1/4	3,582.84	1/4	3,373.05	1/4	3,037.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,400.48	1/2	4,207.31	1/2	3,998.22	1/2	3,788.47	1/2	3,578.47	1/2	3,367.33	1/2	3,030.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,398.50	3/4	4,202.96	3/4	3,993.87	3/4	3,784.10	3/4	3,574.09	3/4	3,361.61	3/4	3,023.38
3		3		3		3	4,396.52	3	4,198.60	3	3,989.51	3	3,779.72	3	3,569.72	3	3,355.89	3	3,016.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,394.54	1/4	4,194.24	1/4	3,985.16	1/4	3,775.35	1/4	3,565.34	1/4	3,350.18	1/4	3,009.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,391.70	1/2	4,189.89	1/2	3,980.80	1/2	3,770.97	1/2	3,560.97	1/2	3,343.08	1/2	3,002.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,388.86	3/4	4,185.53	3/4	3,976.44	3/4	3,766.60	3/4	3,556.59	3/4	3,335.98	3/4	2,994.91
4		4		4		4	4,386.02	4	4,181.18	4	3,972.09	4	3,762.22	4	3,552.22	4	3,328.88	4	2,987.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,383.17	1/4	4,176.82	1/4	3,967.73	1/4	3,757.85	1/4	3,547.84	1/4	3,321.78	1/4	2,980.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,379.33	1/2	4,172.46	1/2	3,963.38	1/2	3,753.47	1/2	3,543.47	1/2	3,314.68	1/2	2,973.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,375.48	3/4	4,168.11	3/4	3,959.02	3/4	3,749.10	3/4	3,539.09	3/4	3,307.59	3/4	2,966.45
5		5		5		5	4,371.63	5	4,163.75	5	3,954.66	5	3,744.72	5	3,534.72	5	3,300.49	5	2,959.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,367.78	1/4	4,159.40	1/4	3,950.31	1/4	3,740.35	1/4	3,530.34	1/4	3,293.39	1/4	2,952.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,363.49	1/2	4,155.04	1/2	3,945.94	1/2	3,735.97	1/2	3,525.97	1/2	3,286.29	1/2	2,945.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,359.21	3/4	4,150.68	3/4	3,941.58	3/4	3,731.59	3/4	3,521.59	3/4	3,279.19	3/4	2,937.99
6		6		6		6	4,354.92	6	4,146.33	6	3,937.21	6	3,727.22	6	3,517.22	6	3,272.09	6	2,930.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,350.63	1/4	4,141.97	1/4	3,932.85	1/4	3,722.84	1/4	3,512.84	1/4	3,265.00	1/4	2,923.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,346.31	1/2	4,137.62	1/2	3,928.47	1/2	3,718.47	1/2	3,508.46	1/2	3,257.90	1/2	2,916.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,341.99	3/4	4,133.26	3/4	3,924.10	3/4	3,714.09	3/4	3,504.09	3/4	3,250.80	3/4	2,909.53
7		7		7		7	4,337.67	7	4,128.90	7	3,919.72	7	3,709.72	7	3,499.71	7	3,243.70	7	2,902.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,333.35	1/4	4,124.55	1/4	3,915.35	1/4	3,705.34	1/4	3,495.34	1/4	3,236.60	1/4	2,895.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,329.03	1/2	4,120.19	1/2	3,910.97	1/2	3,700.97	1/2	3,490.96	1/2	3,229.50	1/2	2,888.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,324.70	3/4	4,115.84	3/4	3,906.60	3/4	3,696.59	3/4	3,486.59	3/4	3,222.41	3/4	2,881.06
8		8		8		8	4,320.38	8	4,111.48	8	3,902.22	8	3,692.22	8	3,482.21	8	3,215.31	8	2,873.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,316.05	1/4	4,107.12	1/4	3,897.85	1/4	3,687.84	1/4	3,477.84	1/4	3,208.21	1/4	2,866.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,311.72	1/2	4,102.77	1/2	3,893.47	1/2	3,683.47	1/2	3,473.46	1/2	3,201.11	1/2	2,859.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,307.39	3/4	4,098.41	3/4	3,889.10	3/4	3,679.09	3/4	3,469.09	3/4	3,194.01	3/4	2,852.60
9		9		9		9	4,303.06	9	4,094.06	9	3,884.72	9	3,674.72	9	3,464.71	9	3,186.91	9	2,845.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,298.73	1/4	4,089.70	1/4	3,880.35	1/4	3,670.34	1/4	3,460.34	1/4	3,179.82	1/4	2,838.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,294.39	1/2	4,085.34	1/2	3,875.97	1/2	3,665.97	1/2	3,455.96	1/2	3,172.72	1/2	2,831.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,290.05	3/4	4,080.99	3/4	3,871.60	3/4	3,661.59	3/4	3,451.59	3/4	3,165.62	3/4	2,824.14
10		10		10		10	4,285.71	10	4,076.63	10	3,867.22	10	3,657.22	10	3,447.21	10	3,158.52	10	2,817.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,281.36	1/4	4,072.28	1/4	3,862.85	1/4	3,652.84	1/4	3,442.84	1/4	3,151.42	1/4	2,809.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,277.01	1/2	4,067.92	1/2	3,858.47	1/2	3,648.47	1/2	3,438.46	1/2	3,144.32	1/2	2,802.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,272.65	3/4	4,063.56	3/4	3,854.10	3/4	3,644.09	3/4	3,434.09	3/4	3,137.21	3/4	2,795.68
11		11		11		11	4,268.30	11	4,059.21	11	3,849.72	11	3,639.72	11	3,429.71	11	3,130.10	11	2,788.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,420.44	1/4	4,263.94	1/4	4,054.85	1/4	3,845.35	1/4	3,635.34	1/4	3,425.34	1/4	3,123.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,419.36	1/2	4,259.58	1/2	4,050.50	1/2	3,840.97	1/2	3,630.97	1/2	3,420.96	1/2	3,115.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,418.29	3/4	4,255.23	3/4	4,046.14	3/4	3,836.60	3/4	3,626.59	3/4	3,416.59	3/4	3,108.76

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
<http://www.pmacorp.net>



BARGE "FMT 3296"

3 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,760.10	0	2,418.00	0	2,075.58	0	1,733.16	0	1,390.74	0	1,048.41	0	706.39	0	363.98	0	28.90	0	
1/4	2,752.98	1/4	2,410.87	1/4	2,068.45	1/4	1,726.03	1/4	1,383.60	1/4	1,041.29	1/4	699.26	1/4	356.85	1/4	23.55	1/4	
1/2	2,745.87	1/2	2,403.74	1/2	2,061.31	1/2	1,718.89	1/2	1,376.47	1/2	1,034.17	1/2	692.13	1/2	349.71	1/2	19.98	1/2	
3/4	2,738.75	3/4	2,396.60	3/4	2,054.18	3/4	1,711.76	3/4	1,369.34	3/4	1,027.05	3/4	684.99	3/4	342.58	3/4	16.42	3/4	
1	2,731.64	1	2,389.47	1	2,047.05	1	1,704.62	1	1,362.20	1	1,019.93	1	677.86	1	335.45	1	12.85	1	
1/4	2,724.52	1/4	2,382.34	1/4	2,039.91	1/4	1,697.49	1/4	1,355.07	1/4	1,012.81	1/4	670.73	1/4	328.31	1/4	9.28	1/4	
1/2	2,717.41	1/2	2,375.20	1/2	2,032.78	1/2	1,690.36	1/2	1,347.93	1/2	1,005.69	1/2	663.59	1/2	321.18	1/2	7.50	1/2	
3/4	2,710.29	3/4	2,368.07	3/4	2,025.65	3/4	1,683.22	3/4	1,340.80	3/4	998.57	3/4	656.46	3/4	314.05	3/4	5.72	3/4	
2	2,703.17	2	2,360.93	2	2,018.51	2	1,676.09	2	1,333.67	2	991.45	2	649.32	2	306.91	2	3.93	2	
1/4	2,696.06	1/4	2,353.80	1/4	2,011.38	1/4	1,668.96	1/4	1,326.53	1/4	984.33	1/4	642.19	1/4	299.78	1/4	2.15	1/4	
1/2	2,688.94	1/2	2,346.67	1/2	2,004.24	1/2	1,661.82	1/2	1,319.40	1/2	977.21	1/2	635.06	1/2	292.64	1/2		1/2	
3/4	2,681.83	3/4	2,339.53	3/4	1,997.11	3/4	1,654.69	3/4	1,312.27	3/4	970.09	3/4	627.92	3/4	285.51	3/4		3/4	
3	2,674.71	3	2,332.40	3	1,989.98	3	1,647.55	3	1,305.13	3	962.97	3	620.79	3	278.38	3		3	
1/4	2,667.60	1/4	2,325.26	1/4	1,982.84	1/4	1,640.42	1/4	1,298.00	1/4	955.85	1/4	613.66	1/4	271.24	1/4		1/4	
1/2	2,660.48	1/2	2,318.13	1/2	1,975.71	1/2	1,633.29	1/2	1,290.86	1/2	948.73	1/2	606.52	1/2	264.11	1/2		1/2	
3/4	2,653.37	3/4	2,311.00	3/4	1,968.57	3/4	1,626.15	3/4	1,283.73	3/4	941.61	3/4	599.39	3/4	256.98	3/4		3/4	
4	2,646.25	4	2,303.86	4	1,961.44	4	1,619.02	4	1,276.60	4	934.49	4	592.26	4	249.84	4		4	
1/4	2,639.13	1/4	2,296.73	1/4	1,954.31	1/4	1,611.88	1/4	1,269.46	1/4	927.37	1/4	585.12	1/4	242.71	1/4		1/4	
1/2	2,632.01	1/2	2,289.60	1/2	1,947.17	1/2	1,604.75	1/2	1,262.33	1/2	920.25	1/2	577.99	1/2	235.58	1/2		1/2	
3/4	2,624.88	3/4	2,282.46	3/4	1,940.04	3/4	1,597.62	3/4	1,255.19	3/4	913.13	3/4	570.86	3/4	228.44	3/4		3/4	
5	2,617.76	5	2,275.33	5	1,932.91	5	1,590.48	5	1,248.06	5	906.01	5	563.72	5	221.31	5		5	
1/4	2,610.63	1/4	2,268.19	1/4	1,925.77	1/4	1,583.35	1/4	1,240.93	1/4	898.89	1/4	556.59	1/4	214.18	1/4		1/4	
1/2	2,603.50	1/2	2,261.06	1/2	1,918.64	1/2	1,576.22	1/2	1,233.79	1/2	891.77	1/2	549.45	1/2	207.04	1/2		1/2	
3/4	2,596.36	3/4	2,253.93	3/4	1,911.50	3/4	1,569.08	3/4	1,226.66	3/4	884.65	3/4	542.32	3/4	199.91	3/4		3/4	
6	2,589.23	6	2,246.79	6	1,904.37	6	1,561.95	6	1,219.53	6	877.53	6	535.19	6	192.77	6		6	
1/4	2,582.10	1/4	2,239.66	1/4	1,897.24	1/4	1,554.81	1/4	1,212.39	1/4	870.42	1/4	528.05	1/4	185.64	1/4		1/4	
1/2	2,574.96	1/2	2,232.53	1/2	1,890.10	1/2	1,547.68	1/2	1,205.26	1/2	863.29	1/2	520.92	1/2	178.51	1/2		1/2	
3/4	2,567.83	3/4	2,225.39	3/4	1,882.97	3/4	1,540.55	3/4	1,198.12	3/4	856.17	3/4	513.79	3/4	171.37	3/4		3/4	
7	2,560.69	7	2,218.26	7	1,875.84	7	1,533.41	7	1,190.99	7	849.04	7	506.65	7	164.24	7		7	
1/4	2,553.56	1/4	2,211.12	1/4	1,868.70	1/4	1,526.28	1/4	1,183.86	1/4	841.92	1/4	499.52	1/4	157.11	1/4		1/4	
1/2	2,546.42	1/2	2,203.99	1/2	1,861.57	1/2	1,519.15	1/2	1,176.72	1/2	834.79	1/2	492.39	1/2	149.97	1/2		1/2	
3/4	2,539.29	3/4	2,196.86	3/4	1,854.43	3/4	1,512.01	3/4	1,169.59	3/4	827.66	3/4	485.25	3/4	142.84	3/4		3/4	
8	2,532.15	8	2,189.72	8	1,847.30	8	1,504.88	8	1,162.46	8	820.53	8	478.12	8	135.71	8		8	
1/4	2,525.02	1/4	2,182.59	1/4	1,840.17	1/4	1,497.74	1/4	1,155.32	1/4	813.40	1/4	470.98	1/4	128.57	1/4		1/4	
1/2	2,517.88	1/2	2,175.45	1/2	1,833.03	1/2	1,490.61	1/2	1,148.19	1/2	806.26	1/2	463.85	1/2	121.45	1/2		1/2	
3/4	2,510.75	3/4	2,168.32	3/4	1,825.90	3/4	1,483.48	3/4	1,141.05	3/4	799.13	3/4	456.72	3/4	114.32	3/4		3/4	
9	2,503.61	9	2,161.19	9	1,818.76	9	1,476.34	9	1,133.92	9	792.00	9	449.58	9	107.19	9		9	
1/4	2,496.48	1/4	2,154.05	1/4	1,811.63	1/4	1,469.21	1/4	1,126.79	1/4	784.86	1/4	442.45	1/4	100.06	1/4		1/4	
1/2	2,489.34	1/2	2,146.92	1/2	1,804.50	1/2	1,462.07	1/2	1,119.66	1/2	777.73	1/2	435.32	1/2	92.95	1/2		1/2	
3/4	2,482.21	3/4	2,139.79	3/4	1,797.36	3/4	1,454.94	3/4	1,112.52	3/4	770.60	3/4	428.18	3/4	85.84	3/4		3/4	
10	2,475.07	10	2,132.65	10	1,790.23	10	1,447.81	10	1,105.39	10	763.46	10	421.05	10	78.73	10		10	
1/4	2,467.94	1/4	2,125.52	1/4	1,783.10	1/4	1,440.67	1/4	1,098.26	1/4	756.33	1/4	413.92	1/4	71.62	1/4		1/4	
1/2	2,460.81	1/2	2,118.38	1/2	1,775.96	1/2	1,433.54	1/2	1,091.14	1/2	749.20	1/2	406.78	1/2	64.95	1/2		1/2	
3/4	2,453.67	3/4	2,111.25	3/4	1,768.83	3/4	1,426.41	3/4	1,084.01	3/4	742.06	3/4	399.65	3/4	58.29	3/4		3/4	
11	2,446.54	11	2,104.12	11	1,761.69	11	1,419.27	11	1,076.89	11	734.93	11	392.52	11	51.62	11		11	
1/4	2,439.41	1/4	2,096.98	1/4	1,754.56	1/4	1,412.14	1/4	1,069.77	1/4	727.79	1/4	385.38	1/4	44.95	1/4		1/4	
1/2	2,432.27	1/2	2,089.85	1/2	1,747.43	1/2	1,405.00	1/2	1,062.65	1/2	720.66	1/2	378.25	1/2	39.60	1/2		1/2	
3/4	2,425.14	3/4	2,082.72	3/4	1,740.29	3/4	1,397.87	3/4	1,055.53	3/4	713.53	3/4	371.11	3/4	34.25	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/09/2019 JS
 CALCULATED: 07/10/2019 CL
 PRINTED: 07/11/2019 JS

CANCELS AND SUPERCEDES
 ALL PRIOR TO 07/2019

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