



# BARGE "MER 13"

## ULLAGE TRIM TABLE

	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 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
2 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
3 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-1/2"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 162'-06"

August 4, 2009

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "MER 13"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-07 1/4"

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		0	2,900.25	0	2,646.66	0	2,392.55	0	2,138.44	0	1,884.33	0	1,630.26	0	1,376.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,895.48	1/4	2,641.37	1/4	2,387.26	1/4	2,133.15	1/4	1,879.03	1/4	1,624.97	1/4	1,371.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,890.19	1/2	2,636.08	1/2	2,381.96	1/2	2,127.85	1/2	1,873.74	1/2	1,619.69	1/2	1,365.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,884.89	3/4	2,630.78	3/4	2,376.67	3/4	2,122.56	3/4	1,868.45	3/4	1,614.41	3/4	1,360.67		
1		1		1		1	2,879.60	1	2,625.49	1	2,371.38	1	2,117.26	1	1,863.15	1	1,609.13	1	1,355.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,874.31	1/4	2,620.19	1/4	2,366.08	1/4	2,111.97	1/4	1,857.86	1/4	1,603.85	1/4	1,350.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,869.01	1/2	2,614.90	1/2	2,360.79	1/2	2,106.68	1/2	1,852.56	1/2	1,598.57	1/2	1,344.79		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,863.72	3/4	2,609.61	3/4	2,355.49	3/4	2,101.38	3/4	1,847.27	3/4	1,593.29	3/4	1,339.50		
2		2		2		2	2,858.42	2	2,604.31	2	2,350.20	2	2,096.09	2	1,841.98	2	1,588.01	2	1,334.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,853.13	1/4	2,599.02	1/4	2,344.91	1/4	2,090.79	1/4	1,836.68	1/4	1,582.72	1/4	1,328.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,847.84	1/2	2,593.72	1/2	2,339.61	1/2	2,085.50	1/2	1,831.39	1/2	1,577.44	1/2	1,323.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,842.54	3/4	2,588.43	3/4	2,334.32	3/4	2,080.21	3/4	1,826.09	3/4	1,572.16	3/4	1,318.33		
3		3		3		3	2,837.25	3	2,583.14	3	2,329.02	3	2,074.91	3	1,820.80	3	1,566.88	3	1,313.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,831.95	1/4	2,577.84	1/4	2,323.73	1/4	2,069.62	1/4	1,815.51	1/4	1,561.60	1/4	1,307.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,826.66	1/2	2,572.55	1/2	2,318.44	1/2	2,064.32	1/2	1,810.21	1/2	1,556.32	1/2	1,302.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,821.37	3/4	2,567.25	3/4	2,313.14	3/4	2,059.03	3/4	1,804.92	3/4	1,551.04	3/4	1,297.16		
4		4		4		4	2,816.07	4	2,561.96	4	2,307.85	4	2,053.74	4	1,799.62	4	1,545.76	4	1,291.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,810.78	1/4	2,556.67	1/4	2,302.55	1/4	2,048.44	1/4	1,794.33	1/4	1,540.47	1/4	1,286.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,805.48	1/2	2,551.37	1/2	2,297.26	1/2	2,043.15	1/2	1,789.04	1/2	1,535.19	1/2	1,281.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,800.19	3/4	2,546.08	3/4	2,291.97	3/4	2,037.85	3/4	1,783.74	3/4	1,529.91	3/4	1,275.99		
5		5		5		5	2,794.90	5	2,540.78	5	2,286.67	5	2,032.56	5	1,778.45	5	1,524.63	5	1,270.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,789.60	1/4	2,535.49	1/4	2,281.38	1/4	2,027.27	1/4	1,773.15	1/4	1,519.35	1/4	1,265.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,784.31	1/2	2,530.20	1/2	2,276.08	1/2	2,021.97	1/2	1,767.86	1/2	1,514.07	1/2	1,260.11		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,779.01	3/4	2,524.90	3/4	2,270.79	3/4	2,016.68	3/4	1,762.57	3/4	1,508.79	3/4	1,254.82		
6		6		6		6	2,773.72	6	2,519.61	6	2,265.50	6	2,011.38	6	1,757.27	6	1,503.51	6	1,249.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,768.43	1/4	2,514.31	1/4	2,260.20	1/4	2,006.09	1/4	1,751.98	1/4	1,498.23	1/4	1,244.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,763.13	1/2	2,509.02	1/2	2,254.91	1/2	2,000.80	1/2	1,746.68	1/2	1,492.94	1/2	1,238.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,757.84	3/4	2,503.73	3/4	2,249.61	3/4	1,995.50	3/4	1,741.39	3/4	1,487.66	3/4	1,233.65		
7		7		7		7	2,752.54	7	2,498.43	7	2,244.32	7	1,990.21	7	1,736.10	7	1,482.38	7	1,228.35		
1/4	1/4	1/4	2,948.34	1/4	2,747.25	1/4	2,493.14	1/4	2,239.03	1/4	1,984.91	1/4	1,730.80	1/4	1,477.10	1/4	1,223.06				
1/2	1/2	1/2	2,947.82	1/2	2,741.96	1/2	2,487.84	1/2	2,233.73	1/2	1,979.62	1/2	1,725.51	1/2	1,471.81	1/2	1,217.77				
3/4	3/4	3/4	2,947.30	3/4	2,736.66	3/4	2,482.55	3/4	2,228.44	3/4	1,974.33	3/4	1,720.21	3/4	1,466.52	3/4	1,212.48				
8		8	2,946.77	8	2,731.37	8	2,477.26	8	2,223.14	8	1,969.03	8	1,714.92	8	1,461.22	8	1,207.18				
1/4	1/4	1/4	2,946.25	1/4	2,726.07	1/4	2,471.96	1/4	2,217.85	1/4	1,963.74	1/4	1,709.63	1/4	1,455.93	1/4	1,201.89				
1/2	1/2	1/2	2,944.67	1/2	2,720.78	1/2	2,466.67	1/2	2,212.56	1/2	1,958.44	1/2	1,704.33	1/2	1,450.64	1/2	1,196.60				
3/4	3/4	3/4	2,943.09	3/4	2,715.49	3/4	2,461.37	3/4	2,207.26	3/4	1,953.15	3/4	1,699.04	3/4	1,445.35	3/4	1,191.31				
9		9	2,941.51	9	2,710.19	9	2,456.08	9	2,201.97	9	1,947.86	9	1,693.74	9	1,440.05	9	1,186.01				
1/4	1/4	1/4	2,939.93	1/4	2,704.90	1/4	2,450.79	1/4	2,196.67	1/4	1,942.56	1/4	1,688.45	1/4	1,434.76	1/4	1,180.72				
1/2	1/2	1/2	2,937.28	1/2	2,699.60	1/2	2,445.49	1/2	2,191.38	1/2	1,937.27	1/2	1,683.16	1/2	1,429.47	1/2	1,175.43				
3/4	3/4	3/4	2,934.64	3/4	2,694.31	3/4	2,440.20	3/4	2,186.09	3/4	1,931.97	3/4	1,677.86	3/4	1,424.18	3/4	1,170.14				
10		10	2,932.00	10	2,689.02	10	2,434.90	10	2,180.79	10	1,926.68	10	1,672.57	10	1,418.88	10	1,164.84				
1/4	1/4	1/4	2,929.36	1/4	2,683.72	1/4	2,429.61	1/4	2,175.50	1/4	1,921.39	1/4	1,667.27	1/4	1,413.59	1/4	1,159.55				
1/2	1/2	1/2	2,925.65	1/2	2,678.43	1/2	2,424.32	1/2	2,170.20	1/2	1,916.09	1/2	1,661.98	1/2	1,408.30	1/2	1,154.26				
3/4	3/4	3/4	2,921.95	3/4	2,673.13	3/4	2,419.02	3/4	2,164.91	3/4	1,910.80	3/4	1,656.69	3/4	1,403.01	3/4	1,148.97				
11		11	2,918.25	11	2,667.84	11	2,413.73	11	2,159.62	11	1,905.50	11	1,651.39	11	1,397.71	11	1,143.67				
1/4	1/4	1/4	2,914.54	1/4	2,662.55	1/4	2,408.43	1/4	2,154.32	1/4	1,900.21	1/4	1,646.10	1/4	1,392.42	1/4	1,138.38				
1/2	1/2	1/2	2,909.78	1/2	2,657.25	1/2	2,403.14	1/2	2,149.03	1/2	1,894.92	1/2	1,640.82	1/2	1,387.13	1/2	1,133.09				
3/4	3/4	3/4	2,905.01	3/4	2,651.96	3/4	2,397.85	3/4	2,143.73	3/4	1,889.62	3/4	1,635.54	3/4	1,381.84	3/4	1,127.80				

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-09" 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 "MER 13"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-07 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,122.50	0	868.46	0	614.42	0	363.64	0	110.34	0		0		0		0		0	
1/4	1,117.21	1/4	863.17	1/4	609.13	1/4	358.46	1/4	105.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,111.92	1/2	857.88	1/2	603.84	1/2	353.29	1/2	99.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,106.63	3/4	852.59	3/4	598.55	3/4	348.11	3/4	94.61	3/4		3/4		3/4		3/4		3/4	
1	1,101.33	1	847.29	1	593.25	1	342.93	1	89.38	1		1		1		1		1	
1/4	1,096.04	1/4	842.00	1/4	587.96	1/4	337.76	1/4	84.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,090.75	1/2	836.71	1/2	582.67	1/2	332.46	1/2	78.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,085.46	3/4	831.42	3/4	577.38	3/4	327.17	3/4	73.75	3/4		3/4		3/4		3/4		3/4	
2	1,080.16	2	826.12	2	572.08	2	321.88	2	68.55	2		2		2		2		2	
1/4	1,074.87	1/4	820.83	1/4	566.79	1/4	316.58	1/4	63.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,069.58	1/2	815.54	1/2	561.50	1/2	311.29	1/2	58.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,064.29	3/4	810.25	3/4	556.21	3/4	306.00	3/4	53.08	3/4		3/4		3/4		3/4		3/4	
3	1,058.99	3	804.95	3	550.91	3	300.70	3	47.94	3		3		3		3		3	
1/4	1,053.70	1/4	799.66	1/4	545.62	1/4	295.41	1/4	42.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,048.41	1/2	794.37	1/2	540.33	1/2	290.12	1/2	38.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,043.12	3/4	789.08	3/4	535.04	3/4	284.82	3/4	33.56	3/4		3/4		3/4		3/4		3/4	
4	1,037.82	4	783.78	4	529.74	4	279.53	4	28.94	4		4		4		4		4	
1/4	1,032.53	1/4	778.49	1/4	524.45	1/4	274.24	1/4	24.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,027.24	1/2	773.20	1/2	519.16	1/2	268.94	1/2	21.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,021.95	3/4	767.91	3/4	513.87	3/4	263.65	3/4	17.69	3/4		3/4		3/4		3/4		3/4	
5	1,016.65	5	762.61	5	508.57	5	258.36	5	14.38	5		5		5		5		5	
1/4	1,011.36	1/4	757.32	1/4	503.28	1/4	253.06	1/4	11.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,006.07	1/2	752.03	1/2	498.11	1/2	247.77	1/2	9.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,000.78	3/4	746.74	3/4	492.94	3/4	242.48	3/4	7.09	3/4		3/4		3/4		3/4		3/4	
6	995.48	6	741.44	6	487.77	6	237.18	6	5.10	6		6		6		6		6	
1/4	990.19	1/4	736.15	1/4	482.60	1/4	231.89	1/4	3.11	1/4		1/4		1/4		1/4		1/4	
1/2	984.90	1/2	730.86	1/2	477.43	1/2	226.60	1/2	2.45	1/2		1/2		1/2		1/2		1/2	
3/4	979.61	3/4	725.57	3/4	472.26	3/4	221.30	3/4	1.79	3/4		3/4		3/4		3/4		3/4	
7	974.31	7	720.27	7	467.08	7	216.01	7	1.12	7		7		7		7		7	
1/4	969.02	1/4	714.98	1/4	461.91	1/4	210.71	1/4	0.46	1/4		1/4		1/4		1/4		1/4	
1/2	963.73	1/2	709.69	1/2	456.74	1/2	205.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	958.44	3/4	704.40	3/4	451.57	3/4	200.13	3/4		3/4		3/4		3/4		3/4		3/4	
8	953.14	8	699.10	8	446.40	8	194.83	8		8		8		8		8		8	
1/4	947.85	1/4	693.81	1/4	441.23	1/4	189.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	942.56	1/2	688.52	1/2	436.06	1/2	184.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	937.27	3/4	683.23	3/4	430.89	3/4	178.96	3/4		3/4		3/4		3/4		3/4		3/4	
9	931.97	9	677.93	9	425.71	9	173.67	9		9		9		9		9		9	
1/4	926.68	1/4	672.64	1/4	420.54	1/4	168.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	921.39	1/2	667.35	1/2	415.37	1/2	163.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	916.10	3/4	662.06	3/4	410.20	3/4	157.80	3/4		3/4		3/4		3/4		3/4		3/4	
10	910.80	10	656.76	10	405.03	10	152.52	10		10		10		10		10		10	
1/4	905.51	1/4	651.47	1/4	399.86	1/4	147.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	900.22	1/2	646.18	1/2	394.68	1/2	141.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	894.93	3/4	640.89	3/4	389.51	3/4	136.67	3/4		3/4		3/4		3/4		3/4		3/4	
11	889.63	11	635.59	11	384.34	11	131.39	11		11		11		11		11		11	
1/4	884.34	1/4	630.30	1/4	379.17	1/4	126.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	879.05	1/2	625.01	1/2	373.99	1/2	120.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	873.76	3/4	619.72	3/4	368.82	3/4	115.60	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/04/2009 CL - SW  
CALCULATED: 08/04/2009 CL  
PRINTED: 08/04/2009 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2009

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



# BARGE "MER 13"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 3/4"

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		0	2,885.25	0	2,631.71	0	2,378.18	0	2,124.64	0	1,871.11	0	1,617.57	0	1,364.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,879.97	1/4	2,626.43	1/4	2,372.90	1/4	2,119.36	1/4	1,865.82	1/4	1,612.29	1/4	1,358.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,874.69	1/2	2,621.15	1/2	2,367.61	1/2	2,114.08	1/2	1,860.54	1/2	1,607.01	1/2	1,353.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,869.40	3/4	2,615.87	3/4	2,362.33	3/4	2,108.80	3/4	1,855.26	3/4	1,601.72	3/4	1,348.19
1		1		1		1	2,864.12	1	2,610.59	1	2,357.05	1	2,103.51	1	1,849.98	1	1,575.44	1	1,342.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,858.84	1/4	2,605.30	1/4	2,351.77	1/4	2,098.23	1/4	1,844.70	1/4	1,591.16	1/4	1,337.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,853.56	1/2	2,600.02	1/2	2,346.49	1/2	2,092.95	1/2	1,839.41	1/2	1,585.88	1/2	1,332.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,848.28	3/4	2,594.74	3/4	2,341.20	3/4	2,087.67	3/4	1,834.13	3/4	1,580.60	3/4	1,327.06
2		2		2		2	2,842.99	2	2,589.46	2	2,335.92	2	2,082.39	2	1,828.85	2	1,575.31	2	1,321.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,837.71	1/4	2,584.18	1/4	2,330.64	1/4	2,077.10	1/4	1,823.57	1/4	1,570.03	1/4	1,316.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,832.43	1/2	2,578.89	1/2	2,325.36	1/2	2,071.82	1/2	1,818.29	1/2	1,564.75	1/2	1,311.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,827.15	3/4	2,573.61	3/4	2,320.08	3/4	2,066.54	3/4	1,813.00	3/4	1,559.47	3/4	1,305.93
3		3		3		3	2,821.87	3	2,568.33	3	2,314.79	3	2,061.26	3	1,807.72	3	1,554.19	3	1,300.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,816.58	1/4	2,563.05	1/4	2,309.51	1/4	2,055.98	1/4	1,802.44	1/4	1,548.90	1/4	1,295.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,811.30	1/2	2,557.77	1/2	2,304.23	1/2	2,050.69	1/2	1,797.16	1/2	1,543.62	1/2	1,290.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,806.02	3/4	2,552.48	3/4	2,298.95	3/4	2,045.41	3/4	1,791.88	3/4	1,538.34	3/4	1,284.80
4		4		4		4	2,800.74	4	2,547.20	4	2,293.67	4	2,040.13	4	1,786.59	4	1,533.06	4	1,279.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,795.46	1/4	2,541.92	1/4	2,288.38	1/4	2,034.85	1/4	1,781.31	1/4	1,527.78	1/4	1,274.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,790.17	1/2	2,536.64	1/2	2,283.10	1/2	2,029.57	1/2	1,776.03	1/2	1,522.49	1/2	1,268.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,784.89	3/4	2,531.36	3/4	2,277.82	3/4	2,024.28	3/4	1,770.75	3/4	1,517.21	3/4	1,263.68
5		5		5		5	2,779.61	5	2,526.07	5	2,272.54	5	2,019.00	5	1,765.47	5	1,511.93	5	1,258.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,774.33	1/4	2,520.79	1/4	2,267.26	1/4	2,013.72	1/4	1,760.18	1/4	1,506.65	1/4	1,253.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,769.05	1/2	2,515.51	1/2	2,261.97	1/2	2,008.44	1/2	1,754.90	1/2	1,501.37	1/2	1,247.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,763.76	3/4	2,510.23	3/4	2,256.69	3/4	2,003.16	3/4	1,749.62	3/4	1,496.08	3/4	1,242.55
6		6		6		6	2,758.48	6	2,504.95	6	2,251.41	6	1,997.87	6	1,744.34	6	1,490.80	6	1,237.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,753.20	1/4	2,499.66	1/4	2,246.13	1/4	1,992.59	1/4	1,739.06	1/4	1,485.52	1/4	1,231.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,747.92	1/2	2,494.38	1/2	2,240.85	1/2	1,987.31	1/2	1,733.77	1/2	1,480.24	1/2	1,226.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,943.34	3/4	2,742.64	3/4	2,489.10	3/4	2,235.56	3/4	1,982.03	3/4	1,728.49	3/4	1,474.96
7		7		7		7	2,942.81	7	2,737.35	7	2,483.82	7	2,230.28	7	1,976.75	7	1,723.21	7	1,469.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,942.29	1/4	2,732.07	1/4	2,478.54	1/4	2,225.00	1/4	1,971.46	1/4	1,717.93	1/4	1,464.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,941.76	1/2	2,726.79	1/2	2,473.25	1/2	2,219.72	1/2	1,966.18	1/2	1,712.65	1/2	1,459.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,941.23	3/4	2,721.51	3/4	2,467.97	3/4	2,214.44	3/4	1,960.90	3/4	1,707.36	3/4	1,453.83
8		8		8		8	2,939.65	8	2,716.23	8	2,462.69	8	2,209.15	8	1,955.62	8	1,702.08	8	1,448.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,938.06	1/4	2,710.94	1/4	2,457.41	1/4	2,203.87	1/4	1,950.34	1/4	1,696.80	1/4	1,443.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,936.48	1/2	2,705.66	1/2	2,452.13	1/2	2,198.59	1/2	1,945.05	1/2	1,691.52	1/2	1,437.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,934.89	3/4	2,700.38	3/4	2,446.84	3/4	2,193.31	3/4	1,939.77	3/4	1,686.24	3/4	1,432.70
9		9		9		9	2,932.25	9	2,695.10	9	2,441.56	9	2,188.03	9	1,934.49	9	1,680.95	9	1,427.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,929.61	1/4	2,689.82	1/4	2,436.28	1/4	2,182.74	1/4	1,929.21	1/4	1,675.67	1/4	1,422.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,926.97	1/2	2,684.53	1/2	2,431.00	1/2	2,177.46	1/2	1,923.93	1/2	1,670.39	1/2	1,416.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,924.33	3/4	2,679.25	3/4	2,425.72	3/4	2,172.18	3/4	1,918.64	3/4	1,665.11	3/4	1,411.57
10		10		10		10	2,920.63	10	2,673.97	10	2,420.43	10	2,166.90	10	1,913.36	10	1,659.83	10	1,406.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,916.93	1/4	2,668.69	1/4	2,415.15	1/4	2,161.62	1/4	1,908.08	1/4	1,654.54	1/4	1,401.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,913.24	1/2	2,663.41	1/2	2,409.87	1/2	2,156.33	1/2	1,902.80	1/2	1,649.26	1/2	1,395.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,909.54	3/4	2,658.12	3/4	2,404.59	3/4	2,151.05	3/4	1,897.52	3/4	1,643.98	3/4	1,390.44
11		11		11		11	2,904.79	11	2,652.84	11	2,399.31	11	2,145.77	11	1,892.23	11	1,638.70	11	1,385.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,900.03	1/4	2,647.56	1/4	2,394.02	1/4	2,140.49	1/4	1,886.95	1/4	1,633.42	1/4	1,379.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,895.28	1/2	2,642.28	1/2	2,388.74	1/2	2,135.21	1/2	1,881.67	1/2	1,628.13	1/2	1,374.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,890.53	3/4	2,637.00	3/4	2,383.46	3/4	2,129.92	3/4	1,876.39	3/4	1,622.85	3/4	1,369.32

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "MER 13"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,110.50	0	856.96	0	603.43	0	352.53	0	99.45	0		0		0		0		0	
1/4	1,105.22	1/4	851.68	1/4	598.14	1/4	347.26	1/4	94.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,099.93	1/2	846.40	1/2	592.86	1/2	341.99	1/2	89.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,094.65	3/4	841.12	3/4	587.58	3/4	336.71	3/4	83.81	3/4		3/4		3/4		3/4		3/4	
1	1,089.37	1	835.83	1	582.30	1	331.43	1	78.63	1		1		1		1		1	
1/4	1,084.09	1/4	830.55	1/4	577.02	1/4	326.15	1/4	73.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,078.81	1/2	825.27	1/2	571.73	1/2	320.87	1/2	68.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,073.52	3/4	819.99	3/4	566.45	3/4	315.59	3/4	63.10	3/4		3/4		3/4		3/4		3/4	
2	1,068.24	2	814.71	2	561.17	2	310.31	2	57.99	2		2		2		2		2	
1/4	1,062.96	1/4	809.42	1/4	555.89	1/4	305.02	1/4	52.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,057.68	1/2	804.14	1/2	550.61	1/2	299.74	1/2	47.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,052.40	3/4	798.86	3/4	545.32	3/4	294.46	3/4	42.63	3/4		3/4		3/4		3/4		3/4	
3	1,047.11	3	793.58	3	540.04	3	289.18	3	38.03	3		3		3		3		3	
1/4	1,041.83	1/4	788.30	1/4	534.76	1/4	283.90	1/4	33.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,036.55	1/2	783.01	1/2	529.48	1/2	278.62	1/2	28.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,031.27	3/4	777.73	3/4	524.20	3/4	273.34	3/4	24.22	3/4		3/4		3/4		3/4		3/4	
4	1,025.99	4	772.45	4	518.91	4	268.05	4	20.92	4		4		4		4		4	
1/4	1,020.70	1/4	767.17	1/4	513.63	1/4	262.77	1/4	17.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,015.42	1/2	761.89	1/2	508.35	1/2	257.49	1/2	14.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,010.14	3/4	756.60	3/4	503.07	3/4	252.21	3/4	11.02	3/4		3/4		3/4		3/4		3/4	
5	1,004.86	5	751.32	5	497.79	5	246.93	5	9.04	5		5		5		5		5	
1/4	999.58	1/4	746.04	1/4	492.52	1/4	241.65	1/4	7.06	1/4		1/4		1/4		1/4		1/4	
1/2	994.29	1/2	740.76	1/2	487.25	1/2	236.37	1/2	5.08	1/2		1/2		1/2		1/2		1/2	
3/4	989.01	3/4	735.48	3/4	481.97	3/4	231.08	3/4	3.10	3/4		3/4		3/4		3/4		3/4	
6	983.73	6	730.19	6	476.80	6	225.80	6	2.44	6		6		6		6		6	
1/4	978.45	1/4	724.91	1/4	471.63	1/4	220.52	1/4	1.78	1/4		1/4		1/4		1/4		1/4	
1/2	973.17	1/2	719.63	1/2	466.45	1/2	215.24	1/2	1.12	1/2		1/2		1/2		1/2		1/2	
3/4	967.88	3/4	714.35	3/4	461.28	3/4	209.96	3/4	0.46	3/4		3/4		3/4		3/4		3/4	
7	962.60	7	709.07	7	456.11	7	204.68	7		7		7		7		7		7	
1/4	957.32	1/4	703.78	1/4	450.93	1/4	199.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	952.04	1/2	698.50	1/2	445.76	1/2	194.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	946.76	3/4	693.22	3/4	440.59	3/4	188.83	3/4		3/4		3/4		3/4		3/4		3/4	
8	941.47	8	687.94	8	435.41	8	183.56	8		8		8		8		8		8	
1/4	936.19	1/4	682.66	1/4	430.24	1/4	178.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	930.91	1/2	677.37	1/2	425.07	1/2	173.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	925.63	3/4	672.09	3/4	419.89	3/4	167.72	3/4		3/4		3/4		3/4		3/4		3/4	
9	920.35	9	666.81	9	414.72	9	162.45	9		9		9		9		9		9	
1/4	915.06	1/4	661.53	1/4	409.55	1/4	157.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	909.78	1/2	656.25	1/2	404.37	1/2	151.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	904.50	3/4	650.96	3/4	399.20	3/4	146.65	3/4		3/4		3/4		3/4		3/4		3/4	
10	899.22	10	645.68	10	394.02	10	141.39	10		10		10		10		10		10	
1/4	893.94	1/4	640.40	1/4	388.85	1/4	136.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	888.65	1/2	635.12	1/2	383.68	1/2	130.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	883.37	3/4	629.84	3/4	378.50	3/4	125.62	3/4		3/4		3/4		3/4		3/4		3/4	
11	878.09	11	624.55	11	373.33	11	120.38	11		11		11		11		11		11	
1/4	872.81	1/4	619.27	1/4	368.15	1/4	115.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	867.53	1/2	613.99	1/2	362.98	1/2	109.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	862.24	3/4	608.71	3/4	357.81	3/4	104.66	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/04/2009 CL - SW  
CALCULATED: 08/04/2009 CL  
PRINTED: 08/04/2009 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2009

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





# BARGE "MER 13"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,099.66	1/4	847.95	1/4	596.24	1/4	344.80	1/4	93.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,094.42	1/2	842.71	1/2	590.99	1/2	339.56	1/2	88.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,089.17	3/4	837.46	3/4	585.75	3/4	334.32	3/4	83.22	3/4		3/4		3/4		3/4		3/4	
1	1,083.93	1	832.22	1	580.51	1	329.07	1	78.08	1		1		1		1		1	
1/4	1,078.69	1/4	826.97	1/4	575.26	1/4	323.83	1/4	72.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,073.44	1/2	821.73	1/2	570.02	1/2	318.58	1/2	67.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,068.20	3/4	816.49	3/4	564.77	3/4	313.34	3/4	62.66	3/4		3/4		3/4		3/4		3/4	
2	1,062.95	2	811.24	2	559.53	2	308.10	2	57.58	2		2		2		2		2	
1/4	1,057.71	1/4	806.00	1/4	554.29	1/4	302.85	1/4	52.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,052.47	1/2	800.75	1/2	549.04	1/2	297.61	1/2	47.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,047.22	3/4	795.51	3/4	543.80	3/4	292.37	3/4	42.33	3/4		3/4		3/4		3/4		3/4	
3	1,041.98	3	790.27	3	538.55	3	287.12	3	37.76	3		3		3		3		3	
1/4	1,036.73	1/4	785.02	1/4	533.31	1/4	281.88	1/4	33.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,031.49	1/2	779.78	1/2	528.07	1/2	276.63	1/2	28.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,026.25	3/4	774.53	3/4	522.82	3/4	271.39	3/4	24.06	3/4		3/4		3/4		3/4		3/4	
4	1,021.00	4	769.29	4	517.58	4	266.15	4	20.78	4		4		4		4		4	
1/4	1,015.76	1/4	764.05	1/4	512.33	1/4	260.90	1/4	17.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,010.51	1/2	758.80	1/2	507.09	1/2	255.66	1/2	14.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,005.27	3/4	753.56	3/4	501.85	3/4	250.42	3/4	10.95	3/4		3/4		3/4		3/4		3/4	
5	1,000.03	5	748.31	5	496.60	5	245.17	5	8.98	5		5		5		5		5	
1/4	994.78	1/4	743.07	1/4	491.36	1/4	239.93	1/4	7.01	1/4		1/4		1/4		1/4		1/4	
1/2	989.54	1/2	737.83	1/2	486.11	1/2	234.69	1/2	5.05	1/2		1/2		1/2		1/2		1/2	
3/4	984.29	3/4	732.58	3/4	480.87	3/4	229.44	3/4	3.08	3/4		3/4		3/4		3/4		3/4	
6	979.05	6	727.34	6	475.64	6	224.20	6	2.43	6		6		6		6		6	
1/4	973.81	1/4	722.09	1/4	470.41	1/4	218.95	1/4	1.77	1/4		1/4		1/4		1/4		1/4	
1/2	968.56	1/2	716.85	1/2	465.17	1/2	213.71	1/2	1.12	1/2		1/2		1/2		1/2		1/2	
3/4	963.32	3/4	711.61	3/4	459.94	3/4	208.47	3/4	0.46	3/4		3/4		3/4		3/4		3/4	
7	958.07	7	706.36	7	454.71	7	203.22	7		7		7		7		7		7	
1/4	952.83	1/4	701.12	1/4	449.48	1/4	197.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	947.59	1/2	695.87	1/2	444.24	1/2	192.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	942.34	3/4	690.63	3/4	439.01	3/4	187.49	3/4		3/4		3/4		3/4		3/4		3/4	
8	937.10	8	685.39	8	433.78	8	182.25	8		8		8		8		8		8	
1/4	931.85	1/4	680.14	1/4	428.55	1/4	177.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	926.61	1/2	674.90	1/2	423.31	1/2	171.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	921.37	3/4	669.65	3/4	418.08	3/4	166.53	3/4		3/4		3/4		3/4		3/4		3/4	
9	916.12	9	664.41	9	412.85	9	161.30	9		9		9		9		9		9	
1/4	910.88	1/4	659.17	1/4	407.62	1/4	156.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	905.63	1/2	653.92	1/2	402.38	1/2	150.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	900.39	3/4	648.68	3/4	397.15	3/4	145.60	3/4		3/4		3/4		3/4		3/4		3/4	
10	895.15	10	643.43	10	391.92	10	140.38	10		10		10		10		10		10	
1/4	889.90	1/4	638.19	1/4	386.69	1/4	135.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	884.66	1/2	632.95	1/2	381.45	1/2	129.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	879.41	3/4	627.70	3/4	376.22	3/4	124.73	3/4		3/4		3/4		3/4		3/4		3/4	
11	874.17	11	622.46	11	370.99	11	119.52	11		11		11		11		11		11	
1/4	868.93	1/4	617.21	1/4	365.76	1/4	114.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	863.68	1/2	611.97	1/2	360.52	1/2	109.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	858.44	3/4	606.73	3/4	355.29	3/4	103.92	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/04/2009 CL - SW  
CALCULATED: 08/04/2009 CL  
PRINTED: 08/04/2009 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2009

PRECISION MEASUREMENT  
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