



# BARGE "EMS 365"

## INNAGE TRIM TABLE

FORMERLY "CTCo 365"

	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	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-0/8	02-0/8
1 STBD	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-0/8	02-0/8
2 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8
3 PORT	- 00-1/2	00-1/2	- 00-7/8	00-7/8	- 01-3/8	01-3/8	- 01-7/8	01-7/8	- 02-3/8	02-3/8	- 02-3/4	02-3/4
3 STBD	- 00-1/2	00-1/2	- 00-7/8	00-7/8	- 01-3/8	01-3/8	- 01-7/8	01-7/8	- 02-3/8	02-3/8	- 02-3/4	02-3/4

(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 PORT IS 00-5/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 5/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

January 31, 2014

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "EMS 365"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	14.22	0	258.79	0	535.35	0	832.24	0	1,149.03	0	1,480.03	0	1,811.61	0	2,143.19	0	2,474.77	0	2,806.35
1/4	16.83	1/4	264.40	1/4	541.32	1/4	838.66	1/4	1,155.85	1/4	1,486.94	1/4	1,818.52	1/4	2,150.09	1/4	2,481.67	1/4	2,813.25
1/2	19.44	1/2	270.00	1/2	547.29	1/2	845.07	1/2	1,162.67	1/2	1,493.84	1/2	1,825.42	1/2	2,157.00	1/2	2,488.58	1/2	2,820.16
3/4	22.05	3/4	275.61	3/4	553.26	3/4	851.49	3/4	1,169.49	3/4	1,500.75	3/4	1,832.33	3/4	2,163.91	3/4	2,495.49	3/4	2,827.07
1	24.66	1	281.21	1	559.23	1	857.91	1	1,176.31	1	1,507.66	1	1,839.24	1	2,170.82	1	2,502.40	1	2,833.98
1/4	29.03	1/4	286.85	1/4	565.24	1/4	864.35	1/4	1,183.16	1/4	1,514.57	1/4	1,846.15	1/4	2,177.73	1/4	2,509.31	1/4	2,840.88
1/2	33.40	1/2	292.49	1/2	571.24	1/2	870.80	1/2	1,190.01	1/2	1,521.48	1/2	1,853.05	1/2	2,184.63	1/2	2,516.21	1/2	2,847.79
3/4	37.77	3/4	298.13	3/4	577.25	3/4	877.25	3/4	1,196.86	3/4	1,528.38	3/4	1,859.96	3/4	2,191.54	3/4	2,523.12	3/4	2,854.70
2	42.14	2	303.77	2	583.25	2	883.70	2	1,203.71	2	1,535.29	2	1,866.87	2	2,198.45	2	2,530.03	2	2,861.61
1/4	47.41	1/4	309.44	1/4	589.29	1/4	890.18	1/4	1,210.62	1/4	1,542.20	1/4	1,873.78	1/4	2,205.36	1/4	2,536.94	1/4	2,868.52
1/2	52.68	1/2	315.11	1/2	595.33	1/2	896.65	1/2	1,217.53	1/2	1,549.11	1/2	1,880.69	1/2	2,212.27	1/2	2,543.84	1/2	2,875.42
3/4	57.94	3/4	320.79	3/4	601.38	3/4	903.13	3/4	1,224.44	3/4	1,556.02	3/4	1,887.59	3/4	2,219.17	3/4	2,550.75	3/4	2,882.33
3	63.21	3	326.46	3	607.42	3	909.61	3	1,231.34	3	1,562.92	3	1,894.50	3	2,226.08	3	2,557.66	3	2,889.24
1/4	68.51	1/4	332.13	1/4	613.52	1/4	916.11	1/4	1,238.25	1/4	1,569.83	1/4	1,901.41	1/4	2,232.99	1/4	2,564.57	1/4	2,896.15
1/2	73.81	1/2	337.81	1/2	619.63	1/2	922.62	1/2	1,245.16	1/2	1,576.74	1/2	1,908.32	1/2	2,239.90	1/2	2,571.48	1/2	2,903.06
3/4	79.11	3/4	343.49	3/4	625.73	3/4	929.12	3/4	1,252.07	3/4	1,583.65	3/4	1,915.23	3/4	2,246.81	3/4	2,578.38	3/4	2,909.96
4	84.41	4	349.17	4	631.83	4	935.63	4	1,258.98	4	1,590.55	4	1,922.13	4	2,253.71	4	2,585.29	4	2,916.87
1/4	89.74	1/4	354.87	1/4	637.98	1/4	942.18	1/4	1,265.88	1/4	1,597.46	1/4	1,929.04	1/4	2,260.62	1/4	2,592.20	1/4	2,923.78
1/2	95.06	1/2	360.58	1/2	644.13	1/2	948.74	1/2	1,272.79	1/2	1,604.37	1/2	1,935.95	1/2	2,267.53	1/2	2,599.11	1/2	2,930.69
3/4	100.39	3/4	366.29	3/4	650.28	3/4	955.29	3/4	1,279.70	3/4	1,611.28	3/4	1,942.86	3/4	2,274.44	3/4	2,606.02	3/4	2,937.60
5	105.72	5	371.99	5	656.42	5	961.84	5	1,286.61	5	1,618.19	5	1,949.77	5	2,281.34	5	2,612.92	5	2,944.50
1/4	111.08	1/4	377.73	1/4	662.60	1/4	968.43	1/4	1,293.51	1/4	1,625.09	1/4	1,956.67	1/4	2,288.25	1/4	2,619.83	1/4	2,951.41
1/2	116.43	1/2	383.48	1/2	668.78	1/2	975.01	1/2	1,300.42	1/2	1,632.00	1/2	1,963.58	1/2	2,295.16	1/2	2,626.74	1/2	2,958.32
3/4	121.79	3/4	389.22	3/4	674.97	3/4	981.60	3/4	1,307.33	3/4	1,638.91	3/4	1,970.49	3/4	2,302.07	3/4	2,633.65	3/4	2,965.23
6	127.15	6	394.96	6	681.15	6	988.18	6	1,314.24	6	1,645.82	6	1,977.40	6	2,308.98	6	2,640.56	6	2,972.13
1/4	132.55	1/4	400.73	1/4	687.36	1/4	994.80	1/4	1,321.15	1/4	1,652.73	1/4	1,984.30	1/4	2,315.88	1/4	2,647.46	1/4	2,979.04
1/2	137.95	1/2	406.50	1/2	693.57	1/2	1,001.42	1/2	1,328.05	1/2	1,659.63	1/2	1,991.21	1/2	2,322.79	1/2	2,654.37	1/2	2,985.95
3/4	143.36	3/4	412.27	3/4	699.79	3/4	1,008.04	3/4	1,334.96	3/4	1,666.54	3/4	1,998.12	3/4	2,329.70	3/4	2,661.28	3/4	2,992.86
7	148.76	7	418.04	7	706.00	7	1,014.66	7	1,341.87	7	1,673.45	7	2,005.03	7	2,336.61	7	2,668.19	7	2,999.77
1/4	154.20	1/4	423.84	1/4	712.25	1/4	1,021.31	1/4	1,348.78	1/4	1,680.36	1/4	2,011.94	1/4	2,343.52	1/4	2,675.09	1/4	3,006.67
1/2	159.63	1/2	429.64	1/2	718.49	1/2	1,027.96	1/2	1,355.69	1/2	1,687.27	1/2	2,018.84	1/2	2,350.42	1/2	2,682.00	1/2	3,013.58
3/4	165.07	3/4	435.44	3/4	724.74	3/4	1,034.60	3/4	1,362.59	3/4	1,694.17	3/4	2,025.75	3/4	2,357.33	3/4	2,688.91	3/4	3,020.49
8	170.51	8	441.25	8	730.99	8	1,041.25	8	1,369.50	8	1,701.08	8	2,032.66	8	2,364.24	8	2,695.82	8	3,027.40
1/4	175.97	1/4	447.08	1/4	737.26	1/4	1,047.93	1/4	1,376.41	1/4	1,707.99	1/4	2,039.57	1/4	2,371.15	1/4	2,702.73	1/4	3,034.31
1/2	181.44	1/2	452.91	1/2	743.54	1/2	1,054.61	1/2	1,383.32	1/2	1,714.90	1/2	2,046.48	1/2	2,378.06	1/2	2,709.63	1/2	3,041.21
3/4	186.91	3/4	458.75	3/4	749.81	3/4	1,061.29	3/4	1,390.23	3/4	1,721.80	3/4	2,053.38	3/4	2,384.96	3/4	2,716.54	3/4	3,048.12
9	192.38	9	464.58	9	756.09	9	1,067.97	9	1,397.13	9	1,728.71	9	2,060.29	9	2,391.87	9	2,723.45	9	3,055.03
1/4	197.88	1/4	470.44	1/4	762.40	1/4	1,074.69	1/4	1,404.04	1/4	1,735.62	1/4	2,067.20	1/4	2,398.78	1/4	2,730.36	1/4	3,061.94
1/2	203.38	1/2	476.30	1/2	768.70	1/2	1,081.41	1/2	1,410.95	1/2	1,742.53	1/2	2,074.11	1/2	2,405.69	1/2	2,737.27	1/2	3,068.85
3/4	208.88	3/4	482.16	3/4	775.00	3/4	1,088.13	3/4	1,417.86	3/4	1,749.44	3/4	2,081.02	3/4	2,412.59	3/4	2,744.17	3/4	3,075.75
10	214.38	10	488.03	10	781.31	10	1,094.85	10	1,424.77	10	1,756.34	10	2,087.92	10	2,419.50	10	2,751.08	10	3,082.66
1/4	219.91	1/4	493.92	1/4	787.66	1/4	1,101.61	1/4	1,431.67	1/4	1,763.25	1/4	2,094.83	1/4	2,426.41	1/4	2,757.99	1/4	3,089.55
1/2	225.44	1/2	499.81	1/2	794.01	1/2	1,108.36	1/2	1,438.58	1/2	1,770.16	1/2	2,101.74	1/2	2,433.32	1/2	2,764.90	1/2	3,096.44
3/4	230.97	3/4	505.70	3/4	800.36	3/4	1,115.12	3/4	1,445.49	3/4	1,777.07	3/4	2,108.65	3/4	2,440.23	3/4	2,771.81	3/4	3,103.34
11	236.50	11	511.59	11	806.71	11	1,121.87	11	1,452.40	11	1,783.98	11	2,115.55	11	2,447.13	11	2,778.71	11	3,110.23
1/4	242.07	1/4	517.53	1/4	813.09	1/4	1,128.66	1/4	1,459.30	1/4	1,790.88	1/4	2,122.46	1/4	2,454.04	1/4	2,785.62	1/4	3,117.09
1/2	247.65	1/2	523.47	1/2	819.48	1/2	1,135.45	1/2	1,466.21	1/2	1,797.79	1/2	2,129.37	1/2	2,460.95	1/2	2,792.53	1/2	3,123.95
3/4	253.22	3/4	529.41	3/4	825.86	3/4	1,142.24	3/4	1,473.12	3/4	1,804.70	3/4	2,136.28	3/4	2,467.86	3/4	2,799.44	3/4	3,130.81

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER BALL VALVE.  
 GAUGE POINT: (2" BALL VALVE) LOCATED 12'-03" OFF CENTERLINE AND 46'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
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# BARGE "EMS 365"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	3,137.67	0	3,455.83	0	3,753.32	0	4,027.69	0		0		0		0		0		0	
1/4	3,144.49	1/4	3,462.22	1/4	3,759.25	1/4	4,032.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,151.31	1/2	3,468.61	1/2	3,765.19	1/2	4,037.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,158.13	3/4	3,475.00	3/4	3,771.12	3/4	4,043.04	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,164.95	1	3,481.39	1	3,777.06	1	4,048.16	1		1		1		1		1		1	
1/4	3,171.74	1/4	3,487.76	1/4	3,782.97	1/4	4,053.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,178.53	1/2	3,494.13	1/2	3,788.87	1/2	4,058.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,185.32	3/4	3,500.50	3/4	3,794.78	3/4	4,063.44	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,192.11	2	3,506.87	2	3,800.68	2	4,068.53	2		2		2		2		2		2	
1/4	3,198.87	1/4	3,513.20	1/4	3,806.55	1/4	4,073.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,205.63	1/2	3,519.52	1/2	3,812.41	1/2	4,078.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,212.39	3/4	3,525.85	3/4	3,818.28	3/4	4,083.67	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,219.15	3	3,532.18	3	3,824.14	3	4,088.72	3		3		3		3		3		3	
1/4	3,225.86	1/4	3,538.48	1/4	3,829.97	1/4	4,093.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,232.58	1/2	3,544.78	1/2	3,835.81	1/2	4,098.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,239.30	3/4	3,551.07	3/4	3,841.64	3/4	4,103.78	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,246.02	4	3,557.37	4	3,847.47	4	4,108.79	4		4		4		4		4		4	
1/4	3,252.70	1/4	3,563.64	1/4	3,853.27	1/4	4,115.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,259.39	1/2	3,569.91	1/2	3,859.06	1/2	4,121.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,266.08	3/4	3,576.18	3/4	3,864.85	3/4	4,128.20	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,272.76	5	3,582.45	5	3,870.65	5	4,134.67	5		5		5		5		5		5	
1/4	3,279.41	1/4	3,588.67	1/4	3,876.42	1/4	4,141.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,286.06	1/2	3,594.90	1/2	3,882.19	1/2	4,147.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,292.70	3/4	3,601.12	3/4	3,887.96	3/4	4,154.07	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,299.35	6	3,607.35	6	3,893.73	6	4,160.54	6		6		6		6		6		6	
1/4	3,305.96	1/4	3,613.54	1/4	3,899.47	1/4	4,167.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,312.58	1/2	3,619.74	1/2	3,905.22	1/2	4,173.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,319.19	3/4	3,625.93	3/4	3,910.96	3/4	4,179.94	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,325.80	7	3,632.13	7	3,916.70	7	4,186.41	7		7		7		7		7		7	
1/4	3,332.38	1/4	3,638.28	1/4	3,922.40	1/4	4,192.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,338.95	1/2	3,644.44	1/2	3,928.10	1/2	4,199.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,345.53	3/4	3,650.59	3/4	3,933.80	3/4	4,205.92	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,352.10	8	3,656.75	8	3,939.50	8	4,212.42	8		8		8		8		8		8	
1/4	3,358.64	1/4	3,662.83	1/4	3,945.17	1/4	4,218.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,365.17	1/2	3,668.92	1/2	3,950.84	1/2	4,225.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,371.70	3/4	3,675.01	3/4	3,956.51	3/4	4,231.93	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,378.24	9	3,681.10	9	3,962.18	9	4,238.43	9		9		9		9		9		9	
1/4	3,384.74	1/4	3,687.15	1/4	3,967.81	1/4	4,244.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,391.25	1/2	3,693.20	1/2	3,973.44	1/2	4,251.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,397.75	3/4	3,699.25	3/4	3,979.06	3/4	4,257.93	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,404.26	10	3,705.29	10	3,984.69	10	4,264.44	10		10		10		10		10		10	
1/4	3,410.72	1/4	3,711.31	1/4	3,990.29	1/4	4,269.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,417.18	1/2	3,717.33	1/2	3,995.89	1/2	4,273.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,423.64	3/4	3,723.35	3/4	4,001.48	3/4	4,278.77	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,430.11	11	3,729.36	11	4,007.08	11	4,283.54	11		11		11		11		11		11	
1/4	3,436.54	1/4	3,735.35	1/4	4,012.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,442.97	1/2	3,741.34	1/2	4,017.38	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,449.40	3/4	3,747.33	3/4	4,022.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
REPRINTED: 01/31/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2014

PRECISION MEASUREMENT  
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# BARGE "EMS 365"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	14.21	0	258.62	0	535.86	0	832.86	0	1,149.48	0	1,480.30	0	1,811.71	0	2,143.12	0	2,474.52	0	2,805.93
1/4	16.82	1/4	264.22	1/4	541.85	1/4	839.28	1/4	1,156.29	1/4	1,487.21	1/4	1,818.61	1/4	2,150.02	1/4	2,481.43	1/4	2,812.83
1/2	19.42	1/2	269.82	1/2	547.84	1/2	845.69	1/2	1,163.11	1/2	1,494.11	1/2	1,825.52	1/2	2,156.93	1/2	2,488.33	1/2	2,819.74
3/4	22.03	3/4	275.42	3/4	553.83	3/4	852.10	3/4	1,169.93	3/4	1,501.02	3/4	1,832.42	3/4	2,163.83	3/4	2,495.24	3/4	2,826.64
1	24.64	1	281.03	1	559.82	1	858.51	1	1,176.74	1	1,507.92	1	1,839.33	1	2,170.73	1	2,502.14	1	2,833.55
1/4	29.01	1/4	286.66	1/4	565.85	1/4	864.96	1/4	1,183.59	1/4	1,514.83	1/4	1,846.23	1/4	2,177.64	1/4	2,509.04	1/4	2,840.45
1/2	33.38	1/2	292.30	1/2	571.87	1/2	871.40	1/2	1,190.44	1/2	1,521.73	1/2	1,853.14	1/2	2,184.54	1/2	2,515.95	1/2	2,847.36
3/4	37.75	3/4	297.93	3/4	577.90	3/4	877.85	3/4	1,197.29	3/4	1,528.63	3/4	1,860.04	3/4	2,191.45	3/4	2,522.85	3/4	2,854.26
2	42.11	2	303.57	2	583.92	2	884.29	2	1,204.13	2	1,535.54	2	1,866.94	2	2,198.35	2	2,529.76	2	2,861.16
1/4	47.38	1/4	309.23	1/4	589.99	1/4	890.77	1/4	1,211.04	1/4	1,542.44	1/4	1,873.85	1/4	2,205.26	1/4	2,536.66	1/4	2,868.07
1/2	52.64	1/2	314.90	1/2	596.05	1/2	897.24	1/2	1,217.94	1/2	1,549.35	1/2	1,880.75	1/2	2,212.16	1/2	2,543.57	1/2	2,874.97
3/4	57.90	3/4	320.57	3/4	602.11	3/4	903.71	3/4	1,224.84	3/4	1,556.25	3/4	1,887.66	3/4	2,219.06	3/4	2,550.47	3/4	2,881.88
3	63.17	3	326.24	3	608.17	3	910.19	3	1,231.75	3	1,563.16	3	1,894.56	3	2,225.97	3	2,557.37	3	2,888.78
1/4	68.46	1/4	331.94	1/4	614.27	1/4	916.69	1/4	1,238.65	1/4	1,570.06	1/4	1,901.47	1/4	2,232.87	1/4	2,564.28	1/4	2,895.69
1/2	73.76	1/2	337.64	1/2	620.37	1/2	923.19	1/2	1,245.56	1/2	1,576.96	1/2	1,908.37	1/2	2,239.78	1/2	2,571.18	1/2	2,902.59
3/4	79.05	3/4	343.33	3/4	626.47	3/4	929.69	3/4	1,252.46	3/4	1,583.87	3/4	1,915.27	3/4	2,246.68	3/4	2,578.09	3/4	2,909.49
4	84.35	4	349.03	4	632.57	4	936.20	4	1,259.37	4	1,590.77	4	1,922.18	4	2,253.59	4	2,584.99	4	2,916.40
1/4	89.67	1/4	354.76	1/4	638.72	1/4	942.74	1/4	1,266.27	1/4	1,597.68	1/4	1,929.08	1/4	2,260.49	1/4	2,591.90	1/4	2,923.30
1/2	95.00	1/2	360.48	1/2	644.86	1/2	949.29	1/2	1,273.17	1/2	1,604.58	1/2	1,935.99	1/2	2,267.39	1/2	2,598.80	1/2	2,930.21
3/4	100.32	3/4	366.21	3/4	651.00	3/4	955.84	3/4	1,280.08	3/4	1,611.49	3/4	1,942.89	3/4	2,274.30	3/4	2,605.70	3/4	2,937.11
5	105.65	5	371.94	5	657.15	5	962.39	5	1,286.98	5	1,618.39	5	1,949.80	5	2,281.20	5	2,612.61	5	2,944.02
1/4	111.00	1/4	377.70	1/4	663.33	1/4	968.97	1/4	1,293.89	1/4	1,625.29	1/4	1,956.70	1/4	2,288.11	1/4	2,619.51	1/4	2,950.92
1/2	116.35	1/2	383.46	1/2	669.50	1/2	975.55	1/2	1,300.79	1/2	1,632.20	1/2	1,963.60	1/2	2,295.01	1/2	2,626.42	1/2	2,957.82
3/4	121.71	3/4	389.22	3/4	675.68	3/4	982.14	3/4	1,307.70	3/4	1,639.10	3/4	1,970.51	3/4	2,301.92	3/4	2,633.32	3/4	2,964.73
6	127.06	6	394.99	6	681.86	6	988.72	6	1,314.60	6	1,646.01	6	1,977.41	6	2,308.82	6	2,640.23	6	2,971.63
1/4	132.46	1/4	400.78	1/4	688.07	1/4	995.33	1/4	1,321.50	1/4	1,652.91	1/4	1,984.32	1/4	2,315.72	1/4	2,647.13	1/4	2,978.54
1/2	137.86	1/2	406.57	1/2	694.28	1/2	1,001.95	1/2	1,328.41	1/2	1,659.82	1/2	1,991.22	1/2	2,322.63	1/2	2,654.03	1/2	2,985.44
3/4	143.26	3/4	412.35	3/4	700.49	3/4	1,008.56	3/4	1,335.31	3/4	1,666.72	3/4	1,998.13	3/4	2,329.53	3/4	2,660.94	3/4	2,992.35
7	148.66	7	418.14	7	706.70	7	1,015.18	7	1,342.22	7	1,673.62	7	2,005.03	7	2,336.44	7	2,667.84	7	2,999.25
1/4	154.09	1/4	423.97	1/4	712.94	1/4	1,021.82	1/4	1,349.12	1/4	1,680.53	1/4	2,011.93	1/4	2,343.34	1/4	2,674.75	1/4	3,006.15
1/2	159.52	1/2	429.79	1/2	719.18	1/2	1,028.47	1/2	1,356.03	1/2	1,687.43	1/2	2,018.84	1/2	2,350.25	1/2	2,681.65	1/2	3,013.06
3/4	164.96	3/4	435.61	3/4	725.42	3/4	1,035.12	3/4	1,362.93	3/4	1,694.34	3/4	2,025.74	3/4	2,357.15	3/4	2,688.56	3/4	3,019.96
8	170.39	8	441.43	8	731.67	8	1,041.76	8	1,369.84	8	1,701.24	8	2,032.65	8	2,364.05	8	2,695.46	8	3,026.87
1/4	175.85	1/4	447.29	1/4	737.94	1/4	1,048.44	1/4	1,376.74	1/4	1,708.15	1/4	2,039.55	1/4	2,370.96	1/4	2,702.36	1/4	3,033.77
1/2	181.32	1/2	453.14	1/2	744.21	1/2	1,055.11	1/2	1,383.64	1/2	1,715.05	1/2	2,046.46	1/2	2,377.86	1/2	2,709.27	1/2	3,040.68
3/4	186.79	3/4	458.99	3/4	750.48	3/4	1,061.78	3/4	1,390.55	3/4	1,721.95	3/4	2,053.36	3/4	2,384.77	3/4	2,716.17	3/4	3,047.58
9	192.25	9	464.85	9	756.76	9	1,068.46	9	1,397.45	9	1,728.86	9	2,060.26	9	2,391.67	9	2,723.08	9	3,054.48
1/4	197.75	1/4	470.73	1/4	763.06	1/4	1,075.18	1/4	1,404.36	1/4	1,735.76	1/4	2,067.17	1/4	2,398.58	1/4	2,729.98	1/4	3,061.39
1/2	203.25	1/2	476.61	1/2	769.36	1/2	1,081.90	1/2	1,411.26	1/2	1,742.67	1/2	2,074.07	1/2	2,405.48	1/2	2,736.89	1/2	3,068.29
3/4	208.74	3/4	482.49	3/4	775.66	3/4	1,088.61	3/4	1,418.17	3/4	1,749.57	3/4	2,080.98	3/4	2,412.38	3/4	2,743.79	3/4	3,075.20
10	214.24	10	488.38	10	781.96	10	1,095.33	10	1,425.07	10	1,756.48	10	2,087.88	10	2,419.29	10	2,750.70	10	3,082.10
1/4	219.76	1/4	494.29	1/4	788.31	1/4	1,102.08	1/4	1,431.97	1/4	1,763.38	1/4	2,094.79	1/4	2,426.19	1/4	2,757.60	1/4	3,088.99
1/2	225.29	1/2	500.20	1/2	794.65	1/2	1,108.83	1/2	1,438.88	1/2	1,770.28	1/2	2,101.69	1/2	2,433.10	1/2	2,764.50	1/2	3,095.87
3/4	230.81	3/4	506.11	3/4	801.00	3/4	1,115.59	3/4	1,445.78	3/4	1,777.19	3/4	2,108.60	3/4	2,440.00	3/4	2,771.41	3/4	3,102.76
11	236.34	11	512.02	11	807.35	11	1,122.34	11	1,452.69	11	1,784.09	11	2,115.50	11	2,446.91	11	2,778.31	11	3,109.65
1/4	241.91	1/4	517.98	1/4	813.73	1/4	1,129.12	1/4	1,459.59	1/4	1,791.00	1/4	2,122.40	1/4	2,453.81	1/4	2,785.22	1/4	3,116.50
1/2	247.48	1/2	523.94	1/2	820.11	1/2	1,135.91	1/2	1,466.50	1/2	1,797.90	1/2	2,129.31	1/2	2,460.71	1/2	2,792.12	1/2	3,123.36
3/4	253.05	3/4	529.90	3/4	826.48	3/4	1,142.69	3/4	1,473.40	3/4	1,804.81	3/4	2,136.21	3/4	2,467.62	3/4	2,799.03	3/4	3,130.22

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 OF 2" DIAMETER BALL VALVE.  
 GAUGE POINT: (2" BALL VALVE) LOCATED 12'-03" OFF CENTERLINE AND 46'-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 "EMS 365"

1 STBD  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	3,137.07	0	3,455.06	0	3,752.37	0	4,026.57	0		0		0		0		0		0	
1/4	3,143.89	1/4	3,461.45	1/4	3,758.31	1/4	4,031.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,150.71	1/2	3,467.83	1/2	3,764.24	1/2	4,036.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,157.52	3/4	3,474.22	3/4	3,770.17	3/4	4,041.92	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,164.34	1	3,480.61	1	3,776.10	1	4,047.03	1		1		1		1		1		1	
1/4	3,171.13	1/4	3,486.97	1/4	3,782.00	1/4	4,052.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,177.91	1/2	3,493.34	1/2	3,787.91	1/2	4,057.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,184.70	3/4	3,499.70	3/4	3,793.81	3/4	4,062.30	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,191.48	2	3,506.07	2	3,799.71	2	4,067.38	2		2		2		2		2		2	
1/4	3,198.24	1/4	3,512.39	1/4	3,805.57	1/4	4,072.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,205.00	1/2	3,518.72	1/2	3,811.43	1/2	4,077.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,211.75	3/4	3,525.04	3/4	3,817.29	3/4	4,082.52	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,218.51	3	3,531.37	3	3,823.15	3	4,087.56	3		3		3		3		3		3	
1/4	3,225.22	1/4	3,537.66	1/4	3,828.98	1/4	4,092.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,231.94	1/2	3,543.96	1/2	3,834.81	1/2	4,097.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,238.65	3/4	3,550.25	3/4	3,840.64	3/4	4,102.60	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,245.36	4	3,556.54	4	3,846.47	4	4,107.62	4		4		4		4		4		4	
1/4	3,252.05	1/4	3,562.81	1/4	3,852.26	1/4	4,114.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,258.73	1/2	3,569.07	1/2	3,858.05	1/2	4,120.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,265.41	3/4	3,575.34	3/4	3,863.84	3/4	4,127.01	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,272.10	5	3,581.60	5	3,869.63	5	4,133.48	5		5		5		5		5		5	
1/4	3,278.74	1/4	3,587.83	1/4	3,875.40	1/4	4,139.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,285.38	1/2	3,594.05	1/2	3,881.17	1/2	4,146.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,292.02	3/4	3,600.27	3/4	3,886.93	3/4	4,152.87	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,298.67	6	3,606.49	6	3,892.70	6	4,159.33	6		6		6		6		6		6	
1/4	3,305.28	1/4	3,612.68	1/4	3,898.44	1/4	4,165.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,311.89	1/2	3,618.87	1/2	3,904.18	1/2	4,172.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,318.50	3/4	3,625.07	3/4	3,909.92	3/4	4,178.73	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,325.11	7	3,631.26	7	3,915.66	7	4,185.19	7		7		7		7		7		7	
1/4	3,331.68	1/4	3,637.41	1/4	3,921.35	1/4	4,191.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,338.25	1/2	3,643.56	1/2	3,927.05	1/2	4,198.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,344.82	3/4	3,649.71	3/4	3,932.75	3/4	4,204.69	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,351.39	8	3,655.86	8	3,938.44	8	4,211.19	8		8		8		8		8		8	
1/4	3,357.92	1/4	3,661.95	1/4	3,944.11	1/4	4,217.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,364.45	1/2	3,668.03	1/2	3,949.77	1/2	4,224.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,370.98	3/4	3,674.11	3/4	3,955.44	3/4	4,230.68	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,377.51	9	3,680.20	9	3,961.10	9	4,237.18	9		9		9		9		9		9	
1/4	3,384.01	1/4	3,686.24	1/4	3,966.73	1/4	4,243.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,390.51	1/2	3,692.29	1/2	3,972.35	1/2	4,250.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,397.02	3/4	3,698.33	3/4	3,977.98	3/4	4,256.68	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,403.52	10	3,704.38	10	3,983.60	10	4,263.18	10		10		10		10		10		10	
1/4	3,409.98	1/4	3,710.39	1/4	3,989.20	1/4	4,267.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,416.43	1/2	3,716.41	1/2	3,994.79	1/2	4,272.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,422.89	3/4	3,722.42	3/4	4,000.38	3/4	4,277.50	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,429.35	11	3,728.43	11	4,005.98	11	4,282.27	11		11		11		11		11		11	
1/4	3,435.78	1/4	3,734.42	1/4	4,011.12	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,442.21	1/2	3,740.40	1/2	4,016.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,448.63	3/4	3,746.39	3/4	4,021.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
REPRINTED: 01/31/2014 CL

CANCELS AND SUPERCEDES  
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P.O. Box 2092  
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# BARGE "EMS 365"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	16.55	0	388.07	0	764.92	0	1,148.16	0	1,535.84	0	1,923.52	0	2,311.20	0	2,698.88	0	3,086.57	0	3,474.25
1/4	21.60	1/4	396.15	1/4	772.68	1/4	1,156.23	1/4	1,543.92	1/4	1,931.60	1/4	2,319.28	1/4	2,706.96	1/4	3,094.64	1/4	3,482.32
1/2	26.65	1/2	404.22	1/2	780.43	1/2	1,164.31	1/2	1,551.99	1/2	1,939.67	1/2	2,327.36	1/2	2,715.04	1/2	3,102.72	1/2	3,490.40
3/4	31.69	3/4	412.30	3/4	788.19	3/4	1,172.39	3/4	1,560.07	3/4	1,947.75	3/4	2,335.43	3/4	2,723.11	3/4	3,110.80	3/4	3,498.48
1	36.74	1	420.38	1	795.94	1	1,180.46	1	1,568.15	1	1,955.83	1	2,343.51	1	2,731.19	1	3,118.87	1	3,506.55
1/4	43.81	1/4	428.45	1/4	803.70	1/4	1,188.54	1/4	1,576.22	1/4	1,963.90	1/4	2,351.59	1/4	2,739.27	1/4	3,126.95	1/4	3,514.63
1/2	50.88	1/2	436.53	1/2	811.45	1/2	1,196.62	1/2	1,584.30	1/2	1,971.98	1/2	2,359.66	1/2	2,747.34	1/2	3,135.03	1/2	3,522.71
3/4	57.95	3/4	444.60	3/4	819.21	3/4	1,204.69	3/4	1,592.38	3/4	1,980.06	3/4	2,367.74	3/4	2,755.42	3/4	3,143.10	3/4	3,530.78
2	65.01	2	452.68	2	826.96	2	1,212.77	2	1,600.45	2	1,988.13	2	2,375.82	2	2,763.50	2	3,151.18	2	3,538.86
1/4	73.09	1/4	460.76	1/4	834.72	1/4	1,220.85	1/4	1,608.53	1/4	1,996.21	1/4	2,383.89	1/4	2,771.57	1/4	3,159.26	1/4	3,546.94
1/2	81.17	1/2	468.83	1/2	842.48	1/2	1,228.92	1/2	1,616.61	1/2	2,004.29	1/2	2,391.97	1/2	2,779.65	1/2	3,167.33	1/2	3,555.01
3/4	89.24	3/4	476.91	3/4	850.25	3/4	1,237.00	3/4	1,624.68	3/4	2,012.36	3/4	2,400.05	3/4	2,787.73	3/4	3,175.41	3/4	3,563.09
3	97.32	3	484.99	3	858.01	3	1,245.08	3	1,632.76	3	2,020.44	3	2,408.12	3	2,795.80	3	3,183.49	3	3,571.17
1/4	105.40	1/4	492.91	1/4	865.93	1/4	1,253.15	1/4	1,640.84	1/4	2,028.52	1/4	2,416.20	1/4	2,803.88	1/4	3,191.56	1/4	3,579.24
1/2	113.47	1/2	500.84	1/2	873.86	1/2	1,261.23	1/2	1,648.91	1/2	2,036.59	1/2	2,424.28	1/2	2,811.96	1/2	3,199.64	1/2	3,587.32
3/4	121.55	3/4	508.76	3/4	881.78	3/4	1,269.31	3/4	1,656.99	3/4	2,044.67	3/4	2,432.35	3/4	2,820.03	3/4	3,207.72	3/4	3,595.40
4	129.63	4	516.68	4	889.70	4	1,277.38	4	1,665.07	4	2,052.75	4	2,440.43	4	2,828.11	4	3,215.79	4	3,603.47
1/4	137.70	1/4	524.45	1/4	897.78	1/4	1,285.46	1/4	1,673.14	1/4	2,060.82	1/4	2,448.51	1/4	2,836.19	1/4	3,223.87	1/4	3,611.55
1/2	145.78	1/2	532.22	1/2	905.86	1/2	1,293.54	1/2	1,681.22	1/2	2,068.90	1/2	2,456.58	1/2	2,844.26	1/2	3,231.95	1/2	3,619.63
3/4	153.85	3/4	539.99	3/4	913.93	3/4	1,301.61	3/4	1,689.30	3/4	2,076.98	3/4	2,464.66	3/4	2,852.34	3/4	3,240.02	3/4	3,627.70
5	161.93	5	547.77	5	922.01	5	1,309.69	5	1,697.37	5	2,085.05	5	2,472.74	5	2,860.42	5	3,248.10	5	3,635.78
1/4	170.01	1/4	555.53	1/4	930.09	1/4	1,317.77	1/4	1,705.45	1/4	2,093.13	1/4	2,480.81	1/4	2,868.49	1/4	3,256.18	1/4	3,643.86
1/2	178.08	1/2	563.29	1/2	938.16	1/2	1,325.84	1/2	1,713.53	1/2	2,101.21	1/2	2,488.89	1/2	2,876.57	1/2	3,264.25	1/2	3,651.93
3/4	186.16	3/4	571.05	3/4	946.24	3/4	1,333.92	3/4	1,721.60	3/4	2,109.28	3/4	2,496.97	3/4	2,884.65	3/4	3,272.33	3/4	3,660.01
6	194.24	6	578.81	6	954.32	6	1,342.00	6	1,729.68	6	2,117.36	6	2,505.04	6	2,892.72	6	3,280.41	6	3,668.09
1/4	202.31	1/4	586.57	1/4	962.39	1/4	1,350.07	1/4	1,737.76	1/4	2,125.44	1/4	2,513.12	1/4	2,900.80	1/4	3,288.48	1/4	3,676.16
1/2	210.39	1/2	594.32	1/2	970.47	1/2	1,358.15	1/2	1,745.83	1/2	2,133.51	1/2	2,521.20	1/2	2,908.88	1/2	3,296.56	1/2	3,684.24
3/4	218.47	3/4	602.08	3/4	978.55	3/4	1,366.23	3/4	1,753.91	3/4	2,141.59	3/4	2,529.27	3/4	2,916.95	3/4	3,304.64	3/4	3,692.32
7	226.54	7	609.83	7	986.62	7	1,374.30	7	1,761.99	7	2,149.67	7	2,537.35	7	2,925.03	7	3,312.71	7	3,700.39
1/4	234.62	1/4	617.59	1/4	994.70	1/4	1,382.38	1/4	1,770.06	1/4	2,157.74	1/4	2,545.43	1/4	2,933.11	1/4	3,320.79	1/4	3,708.47
1/2	242.69	1/2	625.34	1/2	1,002.78	1/2	1,390.46	1/2	1,778.14	1/2	2,165.82	1/2	2,553.50	1/2	2,941.18	1/2	3,328.87	1/2	3,716.55
3/4	250.77	3/4	633.10	3/4	1,010.85	3/4	1,398.53	3/4	1,786.22	3/4	2,173.90	3/4	2,561.58	3/4	2,949.26	3/4	3,336.94	3/4	3,724.62
8	258.85	8	640.85	8	1,018.93	8	1,406.61	8	1,794.29	8	2,181.97	8	2,569.66	8	2,957.34	8	3,345.02	8	3,732.70
1/4	266.92	1/4	648.60	1/4	1,027.01	1/4	1,414.69	1/4	1,802.37	1/4	2,190.05	1/4	2,577.73	1/4	2,965.41	1/4	3,353.10	1/4	3,740.78
1/2	275.00	1/2	656.36	1/2	1,035.08	1/2	1,422.77	1/2	1,810.45	1/2	2,198.13	1/2	2,585.81	1/2	2,973.49	1/2	3,361.17	1/2	3,748.85
3/4	283.08	3/4	664.11	3/4	1,043.16	3/4	1,430.84	3/4	1,818.52	3/4	2,206.20	3/4	2,593.89	3/4	2,981.57	3/4	3,369.25	3/4	3,756.93
9	291.15	9	671.87	9	1,051.24	9	1,438.92	9	1,826.60	9	2,214.28	9	2,601.96	9	2,989.64	9	3,377.33	9	3,765.01
1/4	299.23	1/4	679.62	1/4	1,059.31	1/4	1,447.00	1/4	1,834.68	1/4	2,222.36	1/4	2,610.04	1/4	2,997.72	1/4	3,385.40	1/4	3,773.08
1/2	307.31	1/2	687.37	1/2	1,067.39	1/2	1,455.07	1/2	1,842.75	1/2	2,230.44	1/2	2,618.12	1/2	3,005.80	1/2	3,393.48	1/2	3,781.16
3/4	315.38	3/4	695.13	3/4	1,075.47	3/4	1,463.15	3/4	1,850.83	3/4	2,238.51	3/4	2,626.19	3/4	3,013.87	3/4	3,401.56	3/4	3,789.24
10	323.46	10	702.88	10	1,083.54	10	1,471.23	10	1,858.91	10	2,246.59	10	2,634.27	10	3,021.95	10	3,409.63	10	3,797.31
1/4	331.54	1/4	710.64	1/4	1,091.62	1/4	1,479.30	1/4	1,866.98	1/4	2,254.67	1/4	2,642.35	1/4	3,030.03	1/4	3,417.71	1/4	3,805.37
1/2	339.61	1/2	718.39	1/2	1,099.70	1/2	1,487.38	1/2	1,875.06	1/2	2,262.74	1/2	2,650.42	1/2	3,038.11	1/2	3,425.79	1/2	3,813.43
3/4	347.69	3/4	726.15	3/4	1,107.77	3/4	1,495.46	3/4	1,883.14	3/4	2,270.82	3/4	2,658.50	3/4	3,046.18	3/4	3,433.86	3/4	3,821.49
11	355.76	11	733.90	11	1,115.85	11	1,503.53	11	1,891.21	11	2,278.90	11	2,666.58	11	3,054.26	11	3,441.94	11	3,829.55
1/4	363.84	1/4	741.66	1/4	1,123.93	1/4	1,511.61	1/4	1,899.29	1/4	2,286.97	1/4	2,674.65	1/4	3,062.34	1/4	3,450.02	1/4	3,837.57
1/2	371.92	1/2	749.41	1/2	1,132.00	1/2	1,519.69	1/2	1,907.37	1/2	2,295.05	1/2	2,682.73	1/2	3,070.41	1/2	3,458.09	1/2	3,845.59
3/4	379.99	3/4	757.17	3/4	1,140.08	3/4	1,527.76	3/4	1,915.44	3/4	2,303.13	3/4	2,690.81	3/4	3,078.49	3/4	3,466.17	3/4	3,853.61

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 OF 2" DIAMETER BALL VALVE.  
 GAUGE POINT: (2" BALL VALVE) LOCATED 12'-03" OFF CENTERLINE AND 43'-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 "EMS 365"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	3,861.63	0	4,233.62	0	4,581.41	0	4,902.14	0		0		0		0		0		0	
1/4	3,869.60	1/4	4,241.09	1/4	4,588.35	1/4	4,908.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,877.58	1/2	4,248.56	1/2	4,595.29	1/2	4,914.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,885.55	3/4	4,256.03	3/4	4,602.23	3/4	4,920.10	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,893.53	1	4,263.50	1	4,609.17	1	4,926.08	1		1		1		1		1		1	
1/4	3,901.46	1/4	4,270.95	1/4	4,616.07	1/4	4,932.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,909.40	1/2	4,278.39	1/2	4,622.97	1/2	4,937.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,917.34	3/4	4,285.84	3/4	4,629.88	3/4	4,943.93	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,925.28	2	4,293.28	2	4,636.78	2	4,949.89	2		2		2		2		2		2	
1/4	3,933.18	1/4	4,300.68	1/4	4,643.64	1/4	4,955.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,941.09	1/2	4,308.08	1/2	4,650.49	1/2	4,961.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,948.99	3/4	4,315.48	3/4	4,657.35	3/4	4,967.59	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,956.89	3	4,322.88	3	4,664.20	3	4,973.49	3		3		3		3		3		3	
1/4	3,964.75	1/4	4,330.24	1/4	4,671.02	1/4	4,979.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,972.60	1/2	4,337.61	1/2	4,677.84	1/2	4,985.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,980.45	3/4	4,344.97	3/4	4,684.66	3/4	4,991.09	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,988.31	4	4,352.33	4	4,691.48	4	4,996.95	4		4		4		4		4		4	
1/4	3,996.13	1/4	4,359.66	1/4	4,698.25	1/4	5,004.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,003.94	1/2	4,366.99	1/2	4,705.02	1/2	5,012.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,011.76	3/4	4,374.32	3/4	4,711.80	3/4	5,019.64	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,019.58	5	4,381.65	5	4,718.57	5	5,027.20	5		5		5		5		5		5	
1/4	4,027.35	1/4	4,388.93	1/4	4,725.32	1/4	5,034.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,035.12	1/2	4,396.20	1/2	4,732.06	1/2	5,042.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,042.89	3/4	4,403.48	3/4	4,738.81	3/4	5,049.88	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,050.66	6	4,410.76	6	4,745.56	6	5,057.44	6		6		6		6		6		6	
1/4	4,058.40	1/4	4,418.00	1/4	4,752.27	1/4	5,065.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,066.13	1/2	4,425.25	1/2	4,758.98	1/2	5,072.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,073.86	3/4	4,432.49	3/4	4,765.70	3/4	5,080.13	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,081.59	7	4,439.73	7	4,772.41	7	5,087.69	7		7		7		7		7		7	
1/4	4,089.28	1/4	4,446.93	1/4	4,779.07	1/4	5,095.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,096.97	1/2	4,454.12	1/2	4,785.73	1/2	5,102.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,104.66	3/4	4,461.32	3/4	4,792.40	3/4	5,110.50	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,112.34	8	4,468.51	8	4,799.06	8	5,118.10	8		8		8		8		8		8	
1/4	4,119.98	1/4	4,475.63	1/4	4,805.69	1/4	5,125.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,127.62	1/2	4,482.75	1/2	4,812.32	1/2	5,133.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,135.26	3/4	4,489.87	3/4	4,818.94	3/4	5,140.91	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,142.90	9	4,496.98	9	4,825.57	9	5,148.51	9		9		9		9		9		9	
1/4	4,150.50	1/4	4,504.05	1/4	4,832.15	1/4	5,156.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,158.11	1/2	4,511.13	1/2	4,838.73	1/2	5,163.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,165.71	3/4	4,518.20	3/4	4,845.31	3/4	5,171.31	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,173.32	10	4,525.27	10	4,851.89	10	5,178.92	10		10		10		10		10		10	
1/4	4,180.87	1/4	4,532.30	1/4	4,858.43	1/4	5,184.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,188.43	1/2	4,539.34	1/2	4,864.97	1/2	5,190.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,195.98	3/4	4,546.37	3/4	4,871.51	3/4	5,195.66	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,203.54	11	4,553.40	11	4,878.06	11	5,201.24	11		11		11		11		11		11	
1/4	4,211.06	1/4	4,560.41	1/4	4,884.08	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,218.58	1/2	4,567.41	1/2	4,890.10	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,226.10	3/4	4,574.41	3/4	4,896.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
REPRINTED: 01/31/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2014

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



# BARGE "EMS 365"

# 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	16.55	0	388.07	0	775.32	0	1,162.84	0	1,550.53	0	1,938.21	0	2,325.89	0	2,713.57	0	3,101.25	0	3,488.93
1/4	21.60	1/4	396.15	1/4	783.38	1/4	1,170.92	1/4	1,558.60	1/4	1,946.28	1/4	2,333.97	1/4	2,721.65	1/4	3,109.33	1/4	3,497.01
1/2	26.65	1/2	404.22	1/2	791.45	1/2	1,179.00	1/2	1,566.68	1/2	1,954.36	1/2	2,342.04	1/2	2,729.72	1/2	3,117.41	1/2	3,505.09
3/4	31.69	3/4	412.30	3/4	799.51	3/4	1,187.07	3/4	1,574.76	3/4	1,962.44	3/4	2,350.12	3/4	2,737.80	3/4	3,125.48	3/4	3,513.16
1	36.74	1	420.38	1	807.57	1	1,195.15	1	1,582.83	1	1,970.51	1	2,358.20	1	2,745.88	1	3,135.56	1	3,521.24
1/4	43.81	1/4	428.45	1/4	815.63	1/4	1,203.23	1/4	1,590.91	1/4	1,978.59	1/4	2,366.27	1/4	2,753.95	1/4	3,141.64	1/4	3,529.32
1/2	50.88	1/2	436.53	1/2	823.69	1/2	1,211.30	1/2	1,598.99	1/2	1,986.67	1/2	2,374.35	1/2	2,762.03	1/2	3,149.71	1/2	3,537.39
3/4	57.95	3/4	444.60	3/4	831.75	3/4	1,219.38	3/4	1,607.06	3/4	1,994.74	3/4	2,382.43	3/4	2,770.11	3/4	3,157.79	3/4	3,545.47
2	65.01	2	452.68	2	839.81	2	1,227.46	2	1,615.14	2	2,002.82	2	2,390.50	2	2,778.18	2	3,165.87	2	3,553.55
1/4	73.09	1/4	460.76	1/4	847.88	1/4	1,235.53	1/4	1,623.22	1/4	2,010.90	1/4	2,398.58	1/4	2,786.26	1/4	3,173.94	1/4	3,561.62
1/2	81.17	1/2	468.83	1/2	855.95	1/2	1,243.61	1/2	1,631.29	1/2	2,018.97	1/2	2,406.66	1/2	2,794.34	1/2	3,182.02	1/2	3,569.70
3/4	89.24	3/4	476.91	3/4	864.01	3/4	1,251.69	3/4	1,639.37	3/4	2,027.05	3/4	2,414.73	3/4	2,802.41	3/4	3,190.10	3/4	3,577.78
3	97.32	3	484.99	3	872.08	3	1,259.76	3	1,647.45	3	2,035.13	3	2,422.81	3	2,810.49	3	3,198.17	3	3,585.85
1/4	105.40	1/4	493.06	1/4	880.16	1/4	1,267.84	1/4	1,655.52	1/4	2,043.20	1/4	2,430.89	1/4	2,818.57	1/4	3,206.25	1/4	3,593.93
1/2	113.47	1/2	501.14	1/2	888.24	1/2	1,275.92	1/2	1,663.60	1/2	2,051.28	1/2	2,438.96	1/2	2,826.64	1/2	3,214.33	1/2	3,602.01
3/4	121.55	3/4	509.22	3/4	896.31	3/4	1,283.99	3/4	1,671.68	3/4	2,059.36	3/4	2,447.04	3/4	2,834.72	3/4	3,222.40	3/4	3,610.08
4	129.63	4	517.29	4	904.39	4	1,292.07	4	1,679.75	4	2,067.43	4	2,455.12	4	2,842.80	4	3,230.48	4	3,618.16
1/4	137.70	1/4	525.37	1/4	912.47	1/4	1,300.15	1/4	1,687.83	1/4	2,075.51	1/4	2,463.19	1/4	2,850.87	1/4	3,238.56	1/4	3,626.24
1/2	145.78	1/2	533.45	1/2	920.54	1/2	1,308.22	1/2	1,695.91	1/2	2,083.59	1/2	2,471.27	1/2	2,858.95	1/2	3,246.63	1/2	3,634.31
3/4	153.85	3/4	541.52	3/4	928.62	3/4	1,316.30	3/4	1,703.98	3/4	2,091.66	3/4	2,479.35	3/4	2,867.03	3/4	3,254.71	3/4	3,642.39
5	161.93	5	549.60	5	936.70	5	1,324.38	5	1,712.06	5	2,099.74	5	2,487.42	5	2,875.10	5	3,262.79	5	3,650.47
1/4	170.01	1/4	557.67	1/4	944.77	1/4	1,332.45	1/4	1,720.14	1/4	2,107.82	1/4	2,495.50	1/4	2,883.18	1/4	3,270.86	1/4	3,658.54
1/2	178.08	1/2	565.73	1/2	952.85	1/2	1,340.53	1/2	1,728.21	1/2	2,115.89	1/2	2,503.58	1/2	2,891.26	1/2	3,278.94	1/2	3,666.62
3/4	186.16	3/4	573.80	3/4	960.93	3/4	1,348.61	3/4	1,736.29	3/4	2,123.97	3/4	2,511.65	3/4	2,899.33	3/4	3,287.02	3/4	3,674.70
6	194.24	6	581.87	6	969.00	6	1,356.68	6	1,744.37	6	2,132.05	6	2,519.73	6	2,907.41	6	3,295.09	6	3,682.77
1/4	202.31	1/4	589.93	1/4	977.08	1/4	1,364.76	1/4	1,752.44	1/4	2,140.12	1/4	2,527.81	1/4	2,915.49	1/4	3,303.17	1/4	3,690.85
1/2	210.39	1/2	597.99	1/2	985.16	1/2	1,372.84	1/2	1,760.52	1/2	2,148.20	1/2	2,535.88	1/2	2,923.56	1/2	3,311.25	1/2	3,698.93
3/4	218.47	3/4	606.05	3/4	993.23	3/4	1,380.91	3/4	1,768.60	3/4	2,156.28	3/4	2,543.96	3/4	2,931.64	3/4	3,319.32	3/4	3,707.00
7	226.54	7	614.11	7	1,001.31	7	1,388.99	7	1,776.67	7	2,164.35	7	2,552.04	7	2,939.72	7	3,327.40	7	3,715.08
1/4	234.62	1/4	622.18	1/4	1,009.39	1/4	1,397.07	1/4	1,784.75	1/4	2,172.43	1/4	2,560.11	1/4	2,947.79	1/4	3,335.48	1/4	3,723.16
1/2	242.69	1/2	630.24	1/2	1,017.46	1/2	1,405.15	1/2	1,792.83	1/2	2,180.51	1/2	2,568.19	1/2	2,955.87	1/2	3,343.55	1/2	3,731.23
3/4	250.77	3/4	638.30	3/4	1,025.54	3/4	1,413.22	3/4	1,800.90	3/4	2,188.58	3/4	2,576.27	3/4	2,963.95	3/4	3,351.63	3/4	3,739.31
8	258.85	8	646.36	8	1,033.62	8	1,421.30	8	1,808.98	8	2,196.66	8	2,584.34	8	2,972.02	8	3,359.71	8	3,747.39
1/4	266.92	1/4	654.42	1/4	1,041.69	1/4	1,429.38	1/4	1,817.06	1/4	2,204.74	1/4	2,592.42	1/4	2,980.10	1/4	3,367.78	1/4	3,755.46
1/2	275.00	1/2	662.48	1/2	1,049.77	1/2	1,437.45	1/2	1,825.13	1/2	2,212.82	1/2	2,600.50	1/2	2,988.18	1/2	3,375.86	1/2	3,763.54
3/4	283.08	3/4	670.54	3/4	1,057.85	3/4	1,445.53	3/4	1,833.21	3/4	2,220.89	3/4	2,608.57	3/4	2,996.25	3/4	3,383.94	3/4	3,771.62
9	291.15	9	678.60	9	1,065.92	9	1,453.61	9	1,841.29	9	2,228.97	9	2,616.65	9	3,004.33	9	3,392.01	9	3,779.69
1/4	299.23	1/4	686.66	1/4	1,074.00	1/4	1,461.68	1/4	1,849.36	1/4	2,237.05	1/4	2,624.73	1/4	3,012.41	1/4	3,400.09	1/4	3,787.77
1/2	307.31	1/2	694.72	1/2	1,082.08	1/2	1,469.76	1/2	1,857.44	1/2	2,245.12	1/2	2,632.80	1/2	3,020.49	1/2	3,408.17	1/2	3,795.85
3/4	315.38	3/4	702.78	3/4	1,090.15	3/4	1,477.84	3/4	1,865.52	3/4	2,253.20	3/4	2,640.88	3/4	3,028.56	3/4	3,416.24	3/4	3,803.92
10	323.46	10	710.84	10	1,098.23	10	1,485.91	10	1,873.59	10	2,261.28	10	2,648.96	10	3,036.64	10	3,424.32	10	3,812.00
1/4	331.54	1/4	718.90	1/4	1,106.31	1/4	1,493.99	1/4	1,881.67	1/4	2,269.35	1/4	2,657.03	1/4	3,044.72	1/4	3,432.40	1/4	3,820.06
1/2	339.61	1/2	726.96	1/2	1,114.38	1/2	1,502.07	1/2	1,889.75	1/2	2,277.43	1/2	2,665.11	1/2	3,052.79	1/2	3,440.47	1/2	3,828.12
3/4	347.69	3/4	735.02	3/4	1,122.46	3/4	1,510.14	3/4	1,897.82	3/4	2,285.51	3/4	2,673.19	3/4	3,060.87	3/4	3,448.55	3/4	3,836.18
11	355.76	11	743.08	11	1,130.54	11	1,518.22	11	1,905.90	11	2,293.58	11	2,681.26	11	3,068.95	11	3,456.63	11	3,844.23
1/4	363.84	1/4	751.14	1/4	1,138.61	1/4	1,526.30	1/4	1,913.98	1/4	2,301.66	1/4	2,689.34	1/4	3,077.02	1/4	3,464.70	1/4	3,852.25
1/2	371.92	1/2	759.20	1/2	1,146.69	1/2	1,534.37	1/2	1,922.05	1/2	2,309.74	1/2	2,697.42	1/2	3,085.10	1/2	3,472.78	1/2	3,860.27
3/4	379.99	3/4	767.26	3/4	1,154.77	3/4	1,542.45	3/4	1,930.13	3/4	2,317.81	3/4	2,705.49	3/4	3,093.18	3/4	3,480.86	3/4	3,868.30

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 OF 2" DIAMETER BALL VALVE.  
 GAUGE POINT: (2" BALL VALVE) LOCATED 12'-03" OFF CENTERLINE AND 43'-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 "EMS 365"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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		IN	
0	3,876.32	0	4,248.30	0	4,596.09	0	4,916.83	0		0		0		0		0		0		0	
1/4	3,884.29	1/4	4,255.77	1/4	4,603.03	1/4	4,922.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,892.27	1/2	4,263.25	1/2	4,609.97	1/2	4,928.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,900.24	3/4	4,270.72	3/4	4,616.91	3/4	4,934.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,908.21	1	4,278.19	1	4,623.85	1	4,940.77	1		1		1		1		1		1		1	
1/4	3,916.15	1/4	4,285.63	1/4	4,630.76	1/4	4,946.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,924.09	1/2	4,293.08	1/2	4,637.66	1/2	4,952.67	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,932.03	3/4	4,300.53	3/4	4,644.56	3/4	4,958.62	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,939.96	2	4,307.97	2	4,651.47	2	4,964.57	2		2		2		2		2		2		2	
1/4	3,947.87	1/4	4,315.37	1/4	4,658.32	1/4	4,970.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,955.77	1/2	4,322.77	1/2	4,665.18	1/2	4,976.37	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,963.68	3/4	4,330.17	3/4	4,672.03	3/4	4,982.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,971.58	3	4,337.57	3	4,678.89	3	4,988.18	3		3		3		3		3		3		3	
1/4	3,979.43	1/4	4,344.93	1/4	4,685.71	1/4	4,994.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,987.29	1/2	4,352.29	1/2	4,692.53	1/2	4,999.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,995.14	3/4	4,359.66	3/4	4,699.35	3/4	5,005.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	4,003.00	4	4,367.02	4	4,706.17	4	5,011.64	4		4		4		4		4		4		4	
1/4	4,010.81	1/4	4,374.35	1/4	4,712.94	1/4	5,019.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,018.63	1/2	4,381.68	1/2	4,719.71	1/2	5,026.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,026.45	3/4	4,389.00	3/4	4,726.48	3/4	5,034.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	4,034.27	5	4,396.33	5	4,733.26	5	5,041.88	5		5		5		5		5		5		5	
1/4	4,042.04	1/4	4,403.61	1/4	4,740.00	1/4	5,049.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,049.81	1/2	4,410.89	1/2	4,746.75	1/2	5,057.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,057.58	3/4	4,418.17	3/4	4,753.50	3/4	5,064.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	4,065.35	6	4,425.45	6	4,760.24	6	5,072.13	6		6		6		6		6		6		6	
1/4	4,073.08	1/4	4,432.69	1/4	4,766.96	1/4	5,079.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,080.81	1/2	4,439.93	1/2	4,773.67	1/2	5,087.25	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,088.55	3/4	4,447.18	3/4	4,780.38	3/4	5,094.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	4,096.28	7	4,454.42	7	4,787.10	7	5,102.38	7		7		7		7		7		7		7	
1/4	4,103.97	1/4	4,461.61	1/4	4,793.76	1/4	5,109.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,111.66	1/2	4,468.81	1/2	4,800.42	1/2	5,117.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,119.34	3/4	4,476.00	3/4	4,807.08	3/4	5,125.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	4,127.03	8	4,483.20	8	4,813.75	8	5,132.79	8		8		8		8		8		8		8	
1/4	4,134.67	1/4	4,490.32	1/4	4,820.37	1/4	5,140.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,142.31	1/2	4,497.43	1/2	4,827.00	1/2	5,147.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,149.94	3/4	4,504.55	3/4	4,833.63	3/4	5,155.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	4,157.58	9	4,511.67	9	4,840.26	9	5,163.19	9		9		9		9		9		9		9	
1/4	4,165.19	1/4	4,518.74	1/4	4,846.84	1/4	5,170.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,172.79	1/2	4,525.81	1/2	4,853.42	1/2	5,178.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,180.40	3/4	4,532.88	3/4	4,859.99	3/4	5,186.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	4,188.00	10	4,539.96	10	4,866.57	10	5,193.60	10		10		10		10		10		10		10	
1/4	4,195.56	1/4	4,546.99	1/4	4,873.12	1/4	5,199.19	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,203.12	1/2	4,554.02	1/2	4,879.66	1/2	5,204.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,210.67	3/4	4,561.06	3/4	4,886.20	3/4	5,210.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,218.23	11	4,568.09	11	4,892.74	11	5,215.93	11		11		11		11		11		11		11	
1/4	4,225.74	1/4	4,575.09	1/4	4,898.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,233.26	1/2	4,582.09	1/2	4,904.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,240.78	3/4	4,589.09	3/4	4,910.81	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: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
REPRINTED: 01/31/2014 CL

CANCELS AND SUPERCEDES  
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PRECISION MEASUREMENT  
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Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "EMS 365"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	15.43	0	361.15	0	711.71	0	1,068.21	0	1,428.69	0	1,788.44	0	2,148.80	0	2,509.44	0	2,869.72	0	3,229.59
1/4	20.13	1/4	368.67	1/4	718.92	1/4	1,075.72	1/4	1,436.20	1/4	1,795.93	1/4	2,156.31	1/4	2,516.96	1/4	2,877.22	1/4	3,237.08
1/2	24.83	1/2	376.18	1/2	726.13	1/2	1,083.23	1/2	1,443.71	1/2	1,803.42	1/2	2,163.83	1/2	2,524.47	1/2	2,884.73	1/2	3,244.57
3/4	29.52	3/4	383.70	3/4	733.35	3/4	1,090.74	3/4	1,451.22	3/4	1,810.91	3/4	2,171.34	3/4	2,531.98	3/4	2,892.23	3/4	3,252.07
1	34.22	1	391.21	1	740.56	1	1,098.25	1	1,458.73	1	1,818.40	1	2,178.86	1	2,539.50	1	2,899.74	1	3,259.56
1/4	40.80	1/4	398.73	1/4	747.78	1/4	1,105.76	1/4	1,466.24	1/4	1,825.89	1/4	2,186.37	1/4	2,547.01	1/4	2,907.24	1/4	3,267.06
1/2	47.37	1/2	406.25	1/2	755.01	1/2	1,113.27	1/2	1,473.75	1/2	1,833.38	1/2	2,193.88	1/2	2,554.53	1/2	2,914.75	1/2	3,274.57
3/4	53.95	3/4	413.76	3/4	762.23	3/4	1,120.78	3/4	1,481.26	3/4	1,840.87	3/4	2,201.40	3/4	2,562.04	3/4	2,922.25	3/4	3,282.07
2	60.53	2	421.28	2	769.46	2	1,128.29	2	1,488.77	2	1,848.36	2	2,208.91	2	2,569.55	2	2,929.75	2	3,289.57
1/4	68.04	1/4	428.79	1/4	776.69	1/4	1,135.80	1/4	1,496.28	1/4	1,855.85	1/4	2,216.42	1/4	2,577.06	1/4	2,937.26	1/4	3,297.07
1/2	75.56	1/2	436.31	1/2	783.92	1/2	1,143.31	1/2	1,503.79	1/2	1,863.34	1/2	2,223.94	1/2	2,584.56	1/2	2,944.76	1/2	3,304.58
3/4	83.07	3/4	443.82	3/4	791.15	3/4	1,150.82	3/4	1,511.30	3/4	1,870.83	3/4	2,231.45	3/4	2,592.06	3/4	2,952.27	3/4	3,312.08
3	90.59	3	451.34	3	798.38	3	1,158.33	3	1,518.81	3	1,878.32	3	2,238.96	3	2,599.57	3	2,959.77	3	3,319.58
1/4	98.11	1/4	458.70	1/4	805.76	1/4	1,165.84	1/4	1,526.30	1/4	1,885.83	1/4	2,246.48	1/4	2,607.07	1/4	2,967.27	1/4	3,326.23
1/2	105.62	1/2	466.07	1/2	813.13	1/2	1,173.35	1/2	1,533.79	1/2	1,893.35	1/2	2,253.99	1/2	2,614.58	1/2	2,974.78	1/2	3,332.87
3/4	113.14	3/4	473.43	3/4	820.51	3/4	1,180.86	3/4	1,541.28	3/4	1,900.86	3/4	2,261.50	3/4	2,622.08	3/4	2,982.28	3/4	3,339.52
4	120.65	4	480.80	4	827.88	4	1,188.37	4	1,548.77	4	1,908.37	4	2,269.02	4	2,629.59	4	2,989.79	4	3,346.16
1/4	128.17	1/4	488.03	1/4	835.39	1/4	1,195.88	1/4	1,556.26	1/4	1,915.89	1/4	2,276.53	1/4	2,637.09	1/4	2,997.28	1/4	3,351.94
1/2	135.68	1/2	495.26	1/2	842.90	1/2	1,203.39	1/2	1,563.75	1/2	1,923.40	1/2	2,284.04	1/2	2,644.59	1/2	3,004.77	1/2	3,357.73
3/4	143.20	3/4	502.48	3/4	850.41	3/4	1,210.90	3/4	1,571.24	3/4	1,930.91	3/4	2,291.56	3/4	2,652.10	3/4	3,012.27	3/4	3,363.51
5	150.71	5	509.71	5	857.92	5	1,218.41	5	1,578.73	5	1,938.43	5	2,299.07	5	2,659.60	5	3,019.76	5	3,369.29
1/4	158.23	1/4	516.93	1/4	865.43	1/4	1,225.92	1/4	1,586.22	1/4	1,945.94	1/4	2,306.58	1/4	2,667.11	1/4	3,027.26	1/4	3,375.07
1/2	165.75	1/2	524.15	1/2	872.94	1/2	1,233.43	1/2	1,593.71	1/2	1,953.45	1/2	2,314.10	1/2	2,674.61	1/2	3,034.75	1/2	3,380.86
3/4	173.26	3/4	531.37	3/4	880.46	3/4	1,240.94	3/4	1,601.20	3/4	1,960.97	3/4	2,321.61	3/4	2,682.11	3/4	3,042.24	3/4	3,386.64
6	180.78	6	538.59	6	887.97	6	1,248.45	6	1,608.69	6	1,968.48	6	2,329.12	6	2,689.62	6	3,049.74	6	3,392.42
1/4	188.29	1/4	545.81	1/4	895.48	1/4	1,255.96	1/4	1,616.18	1/4	1,975.99	1/4	2,336.64	1/4	2,697.12	1/4	3,057.23	1/4	3,398.20
1/2	195.81	1/2	553.02	1/2	902.99	1/2	1,263.47	1/2	1,623.67	1/2	1,983.51	1/2	2,344.15	1/2	2,704.63	1/2	3,064.72	1/2	3,403.99
3/4	203.32	3/4	560.23	3/4	910.50	3/4	1,270.98	3/4	1,631.16	3/4	1,991.02	3/4	2,351.66	3/4	2,712.13	3/4	3,072.22	3/4	3,409.77
7	210.84	7	567.45	7	918.01	7	1,278.49	7	1,638.65	7	1,998.53	7	2,359.18	7	2,719.64	7	3,079.71	7	3,415.55
1/4	218.36	1/4	574.66	1/4	925.52	1/4	1,286.00	1/4	1,646.14	1/4	2,006.05	1/4	2,366.69	1/4	2,727.14	1/4	3,087.21	1/4	3,421.35
1/2	225.87	1/2	581.87	1/2	933.03	1/2	1,293.51	1/2	1,653.63	1/2	2,013.56	1/2	2,374.20	1/2	2,734.64	1/2	3,094.70	1/2	3,427.14
3/4	233.39	3/4	589.09	3/4	940.54	3/4	1,301.02	3/4	1,661.12	3/4	2,021.07	3/4	2,381.72	3/4	2,742.15	3/4	3,102.19	3/4	3,432.93
8	240.90	8	596.30	8	948.05	8	1,308.53	8	1,668.61	8	2,028.59	8	2,389.23	8	2,749.65	8	3,109.69	8	3,438.73
1/4	248.42	1/4	603.51	1/4	955.56	1/4	1,316.04	1/4	1,676.10	1/4	2,036.10	1/4	2,396.74	1/4	2,757.16	1/4	3,117.18	1/4	3,444.52
1/2	255.93	1/2	610.72	1/2	963.07	1/2	1,323.55	1/2	1,683.59	1/2	2,043.61	1/2	2,404.26	1/2	2,764.66	1/2	3,124.67	1/2	3,450.31
3/4	263.45	3/4	617.94	3/4	970.58	3/4	1,331.06	3/4	1,691.08	3/4	2,051.13	3/4	2,411.77	3/4	2,772.17	3/4	3,132.17	3/4	3,456.10
9	270.96	9	625.15	9	978.09	9	1,338.57	9	1,698.57	9	2,058.64	9	2,419.28	9	2,779.67	9	3,139.66	9	3,461.90
1/4	278.48	1/4	632.36	1/4	985.60	1/4	1,346.08	1/4	1,706.06	1/4	2,066.15	1/4	2,426.80	1/4	2,787.17	1/4	3,147.15	1/4	3,467.69
1/2	286.00	1/2	639.57	1/2	993.11	1/2	1,353.59	1/2	1,713.55	1/2	2,073.67	1/2	2,434.31	1/2	2,794.68	1/2	3,154.65	1/2	3,473.48
3/4	293.51	3/4	646.79	3/4	1,000.62	3/4	1,361.10	3/4	1,721.04	3/4	2,081.18	3/4	2,441.82	3/4	2,802.18	3/4	3,162.14	3/4	3,479.28
10	301.03	10	654.00	10	1,008.13	10	1,368.61	10	1,728.53	10	2,088.69	10	2,449.34	10	2,809.69	10	3,169.64	10	3,485.07
1/4	308.54	1/4	661.21	1/4	1,015.64	1/4	1,376.12	1/4	1,736.01	1/4	2,096.21	1/4	2,456.85	1/4	2,817.19	1/4	3,177.13	1/4	3,490.84
1/2	316.06	1/2	668.43	1/2	1,023.15	1/2	1,383.63	1/2	1,743.50	1/2	2,103.72	1/2	2,464.36	1/2	2,824.69	1/2	3,184.62	1/2	3,496.62
3/4	323.57	3/4	675.64	3/4	1,030.66	3/4	1,391.14	3/4	1,750.99	3/4	2,111.23	3/4	2,471.88	3/4	2,832.20	3/4	3,192.12	3/4	3,502.39
11	331.09	11	682.85	11	1,038.17	11	1,398.65	11	1,758.48	11	2,118.75	11	2,479.39	11	2,839.70	11	3,199.61	11	3,508.17
1/4	338.60	1/4	690.07	1/4	1,045.68	1/4	1,406.16	1/4	1,765.97	1/4	2,126.26	1/4	2,486.90	1/4	2,847.21	1/4	3,207.10	1/4	3,513.91
1/2	346.12	1/2	697.28	1/2	1,053.19	1/2	1,413.67	1/2	1,773.46	1/2	2,133.77	1/2	2,494.42	1/2	2,854.71	1/2	3,214.60	1/2	3,519.65
3/4	353.64	3/4	704.49	3/4	1,060.70	3/4	1,421.18	3/4	1,780.95	3/4	2,141.29	3/4	2,501.93	3/4	2,862.22	3/4	3,222.09	3/4	3,525.39

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 OF 2" DIAMETER BALL VALVE.  
 GAUGE POINT: (2" BALL VALVE) LOCATED 12'-03" OFF CENTERLINE AND 52'-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 "EMS 365"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	3,531.13	0	3,793.63	0	4,033.07	0	4,249.46	0		0		0		0		0		0	
1/4	3,536.82	1/4	3,798.82	1/4	4,037.78	1/4	4,253.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,542.52	1/2	3,804.02	1/2	4,042.50	1/2	4,257.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,548.22	3/4	3,809.22	3/4	4,047.21	3/4	4,262.25	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,553.92	1	3,814.42	1	4,051.92	1	4,266.51	1		1		1		1		1		1	
1/4	3,559.58	1/4	3,819.59	1/4	4,056.60	1/4	4,270.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,565.24	1/2	3,824.76	1/2	4,061.28	1/2	4,274.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,570.90	3/4	3,829.93	3/4	4,065.96	3/4	4,279.21	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,576.56	2	3,835.10	2	4,070.63	2	4,283.44	2		2		2		2		2		2	
1/4	3,582.20	1/4	3,840.23	1/4	4,075.27	1/4	4,287.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,587.83	1/2	3,845.36	1/2	4,079.90	1/2	4,291.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,593.46	3/4	3,850.49	3/4	4,084.54	3/4	4,295.99	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,599.09	3	3,855.61	3	4,089.17	3	4,300.18	3		3		3		3		3		3	
1/4	3,604.67	1/4	3,860.71	1/4	4,093.77	1/4	4,304.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,610.26	1/2	3,865.80	1/2	4,098.37	1/2	4,308.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,615.84	3/4	3,870.89	3/4	4,102.97	3/4	4,312.64	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,621.43	4	3,875.99	4	4,107.57	4	4,316.79	4		4		4		4		4		4	
1/4	3,626.98	1/4	3,881.05	1/4	4,112.13	1/4	4,322.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,632.53	1/2	3,886.11	1/2	4,116.69	1/2	4,328.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,638.08	3/4	3,891.17	3/4	4,121.24	3/4	4,333.98	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,643.63	5	3,896.24	5	4,125.80	5	4,339.71	5		5		5		5		5		5	
1/4	3,649.11	1/4	3,901.25	1/4	4,130.33	1/4	4,345.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,654.58	1/2	3,906.27	1/2	4,134.86	1/2	4,351.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,660.05	3/4	3,911.28	3/4	4,139.39	3/4	4,356.90	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,665.53	6	3,916.30	6	4,143.92	6	4,362.63	6		6		6		6		6		6	
1/4	3,670.96	1/4	3,921.28	1/4	4,148.42	1/4	4,368.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,676.40	1/2	3,926.26	1/2	4,152.92	1/2	4,374.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,681.84	3/4	3,931.25	3/4	4,157.42	3/4	4,379.82	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,687.28	7	3,936.23	7	4,161.92	7	4,385.55	7		7		7		7		7		7	
1/4	3,692.67	1/4	3,941.17	1/4	4,166.37	1/4	4,391.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,698.07	1/2	3,946.10	1/2	4,170.82	1/2	4,397.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,703.47	3/4	3,951.04	3/4	4,175.28	3/4	4,402.82	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,708.86	8	3,955.98	8	4,179.73	8	4,408.58	8		8		8		8		8		8	
1/4	3,714.21	1/4	3,960.86	1/4	4,184.15	1/4	4,414.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,719.57	1/2	3,965.73	1/2	4,188.57	1/2	4,420.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,724.92	3/4	3,970.61	3/4	4,192.99	3/4	4,425.85	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,730.27	9	3,975.48	9	4,197.41	9	4,431.61	9		9		9		9		9		9	
1/4	3,735.59	1/4	3,980.31	1/4	4,201.78	1/4	4,438.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,740.92	1/2	3,985.15	1/2	4,206.16	1/2	4,444.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,746.24	3/4	3,989.98	3/4	4,210.53	3/4	4,451.47	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,751.56	10	3,994.81	10	4,214.91	10	4,458.09	10		10		10		10		10		10	
1/4	3,756.83	1/4	3,999.61	1/4	4,219.25	1/4	4,463.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,762.11	1/2	4,004.41	1/2	4,223.59	1/2	4,469.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,767.39	3/4	4,009.20	3/4	4,227.93	3/4	4,474.91	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,772.66	11	4,014.00	11	4,232.27	11	4,480.51	11		11		11		11		11		11	
1/4	3,777.90	1/4	4,018.77	1/4	4,236.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,783.14	1/2	4,023.54	1/2	4,240.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,788.39	3/4	4,028.30	3/4	4,245.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
REPRINTED: 01/31/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2014

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



# BARGE "EMS 365"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	15.45	0	360.89	0	712.34	0	1,069.08	0	1,429.52	0	1,787.21	0	2,147.65	0	2,507.62	0	2,867.85	0	3,228.17
1/4	20.16	1/4	368.40	1/4	719.58	1/4	1,076.59	1/4	1,436.97	1/4	1,794.72	1/4	2,155.16	1/4	2,515.11	1/4	2,875.36	1/4	3,235.67
1/2	24.86	1/2	375.91	1/2	726.82	1/2	1,084.10	1/2	1,444.42	1/2	1,802.23	1/2	2,162.67	1/2	2,522.60	1/2	2,882.86	1/2	3,243.18
3/4	29.56	3/4	383.42	3/4	734.06	3/4	1,091.61	3/4	1,451.87	3/4	1,809.74	3/4	2,170.18	3/4	2,530.10	3/4	2,890.37	3/4	3,250.69
1	34.26	1	390.93	1	741.30	1	1,099.12	1	1,459.32	1	1,817.25	1	2,177.69	1	2,537.59	1	2,897.88	1	3,258.20
1/4	40.83	1/4	398.44	1/4	748.55	1/4	1,106.63	1/4	1,466.78	1/4	1,824.76	1/4	2,185.19	1/4	2,545.09	1/4	2,905.38	1/4	3,265.71
1/2	47.40	1/2	405.94	1/2	755.79	1/2	1,114.14	1/2	1,474.23	1/2	1,832.27	1/2	2,192.70	1/2	2,552.60	1/2	2,912.89	1/2	3,273.22
3/4	53.97	3/4	413.45	3/4	763.03	3/4	1,121.65	3/4	1,481.68	3/4	1,839.78	3/4	2,200.21	3/4	2,560.11	3/4	2,920.39	3/4	3,280.73
2	60.54	2	420.96	2	770.27	2	1,129.16	2	1,489.13	2	1,847.29	2	2,207.72	2	2,567.61	2	2,927.90	2	3,288.24
1/4	68.05	1/4	428.47	1/4	777.52	1/4	1,136.67	1/4	1,496.58	1/4	1,854.79	1/4	2,215.23	1/4	2,575.12	1/4	2,935.41	1/4	3,295.75
1/2	75.56	1/2	435.98	1/2	784.77	1/2	1,144.17	1/2	1,504.04	1/2	1,862.30	1/2	2,222.74	1/2	2,582.62	1/2	2,942.91	1/2	3,303.26
3/4	83.07	3/4	443.49	3/4	792.02	3/4	1,151.68	3/4	1,511.49	3/4	1,869.81	3/4	2,230.25	3/4	2,590.13	3/4	2,950.42	3/4	3,310.77
3	90.57	3	451.00	3	799.26	3	1,159.19	3	1,518.94	3	1,877.32	3	2,237.76	3	2,597.64	3	2,957.92	3	3,318.28
1/4	98.08	1/4	458.38	1/4	806.65	1/4	1,166.70	1/4	1,526.39	1/4	1,884.83	1/4	2,245.27	1/4	2,605.14	1/4	2,965.43	1/4	3,324.94
1/2	105.59	1/2	465.76	1/2	814.03	1/2	1,174.21	1/2	1,533.84	1/2	1,892.34	1/2	2,252.78	1/2	2,612.65	1/2	2,972.94	1/2	3,331.59
3/4	113.10	3/4	473.14	3/4	821.41	3/4	1,181.72	3/4	1,541.30	3/4	1,899.85	3/4	2,260.29	3/4	2,620.15	3/4	2,980.44	3/4	3,338.25
4	120.61	4	480.53	4	828.80	4	1,189.23	4	1,548.75	4	1,907.36	4	2,267.79	4	2,627.66	4	2,987.95	4	3,344.91
1/4	128.12	1/4	487.78	1/4	836.31	1/4	1,196.74	1/4	1,556.20	1/4	1,914.87	1/4	2,275.30	1/4	2,635.17	1/4	2,995.45	1/4	3,350.71
1/2	135.63	1/2	495.04	1/2	843.81	1/2	1,204.25	1/2	1,563.65	1/2	1,922.38	1/2	2,282.81	1/2	2,642.67	1/2	3,002.96	1/2	3,356.51
3/4	143.14	3/4	502.30	3/4	851.32	3/4	1,211.76	3/4	1,571.10	3/4	1,929.89	3/4	2,290.32	3/4	2,650.18	3/4	3,010.47	3/4	3,362.31
5	150.64	5	509.56	5	858.83	5	1,219.26	5	1,578.56	5	1,937.39	5	2,297.83	5	2,657.68	5	3,017.97	5	3,368.10
1/4	158.15	1/4	516.80	1/4	866.34	1/4	1,226.77	1/4	1,586.01	1/4	1,944.90	1/4	2,305.32	1/4	2,665.19	1/4	3,025.48	1/4	3,373.90
1/2	165.66	1/2	524.05	1/2	873.85	1/2	1,234.28	1/2	1,593.46	1/2	1,952.41	1/2	2,312.82	1/2	2,672.70	1/2	3,032.98	1/2	3,379.70
3/4	173.17	3/4	531.30	3/4	881.36	3/4	1,241.79	3/4	1,600.91	3/4	1,959.92	3/4	2,320.31	3/4	2,680.20	3/4	3,040.49	3/4	3,385.50
6	180.68	6	538.55	6	888.87	6	1,249.30	6	1,608.36	6	1,967.43	6	2,327.80	6	2,687.71	6	3,048.00	6	3,391.29
1/4	188.19	1/4	545.79	1/4	896.38	1/4	1,256.81	1/4	1,615.82	1/4	1,974.94	1/4	2,335.29	1/4	2,695.21	1/4	3,055.50	1/4	3,397.09
1/2	195.70	1/2	553.03	1/2	903.89	1/2	1,264.32	1/2	1,623.27	1/2	1,982.45	1/2	2,342.79	1/2	2,702.72	1/2	3,063.01	1/2	3,402.89
3/4	203.21	3/4	560.27	3/4	911.40	3/4	1,271.83	3/4	1,630.72	3/4	1,989.96	3/4	2,350.28	3/4	2,710.23	3/4	3,070.51	3/4	3,408.69
7	210.72	7	567.51	7	918.90	7	1,279.34	7	1,638.17	7	1,997.47	7	2,357.77	7	2,717.73	7	3,078.02	7	3,414.48
1/4	218.22	1/4	574.76	1/4	926.41	1/4	1,286.85	1/4	1,645.62	1/4	2,004.98	1/4	2,365.26	1/4	2,725.24	1/4	3,085.53	1/4	3,420.28
1/2	225.73	1/2	582.00	1/2	933.92	1/2	1,294.35	1/2	1,653.08	1/2	2,012.49	1/2	2,372.76	1/2	2,732.74	1/2	3,093.03	1/2	3,426.08
3/4	233.24	3/4	589.24	3/4	941.43	3/4	1,301.86	3/4	1,660.53	3/4	2,019.99	3/4	2,380.25	3/4	2,740.25	3/4	3,100.54	3/4	3,431.88
8	240.75	8	596.48	8	948.94	8	1,309.37	8	1,667.98	8	2,027.50	8	2,387.74	8	2,747.76	8	3,108.04	8	3,437.67
1/4	248.26	1/4	603.72	1/4	956.45	1/4	1,316.88	1/4	1,675.43	1/4	2,035.01	1/4	2,395.23	1/4	2,755.26	1/4	3,115.55	1/4	3,443.47
1/2	255.77	1/2	610.96	1/2	963.96	1/2	1,324.39	1/2	1,682.88	1/2	2,042.52	1/2	2,402.72	1/2	2,762.77	1/2	3,123.06	1/2	3,449.27
3/4	263.28	3/4	618.20	3/4	971.47	3/4	1,331.90	3/4	1,690.34	3/4	2,050.03	3/4	2,410.22	3/4	2,770.27	3/4	3,130.56	3/4	3,455.07
9	270.79	9	625.44	9	978.98	9	1,339.41	9	1,697.79	9	2,057.54	9	2,417.71	9	2,777.78	9	3,138.07	9	3,460.86
1/4	278.29	1/4	632.68	1/4	986.49	1/4	1,346.92	1/4	1,705.24	1/4	2,065.05	1/4	2,425.20	1/4	2,785.29	1/4	3,145.57	1/4	3,466.66
1/2	285.80	1/2	639.92	1/2	993.99	1/2	1,354.43	1/2	1,712.69	1/2	2,072.56	1/2	2,432.69	1/2	2,792.79	1/2	3,153.08	1/2	3,472.46
3/4	293.31	3/4	647.16	3/4	1,001.50	3/4	1,361.94	3/4	1,720.14	3/4	2,080.07	3/4	2,440.19	3/4	2,800.30	3/4	3,160.59	3/4	3,478.26
10	300.82	10	654.40	10	1,009.01	10	1,369.44	10	1,727.60	10	2,087.58	10	2,447.68	10	2,807.80	10	3,168.09	10	3,484.05
1/4	308.33	1/4	661.65	1/4	1,016.52	1/4	1,376.95	1/4	1,735.05	1/4	2,095.09	1/4	2,455.17	1/4	2,815.31	1/4	3,175.60	1/4	3,489.83
1/2	315.84	1/2	668.89	1/2	1,024.03	1/2	1,384.46	1/2	1,742.50	1/2	2,102.59	1/2	2,462.66	1/2	2,822.82	1/2	3,183.11	1/2	3,495.61
3/4	323.35	3/4	676.13	3/4	1,031.54	3/4	1,391.97	3/4	1,749.95	3/4	2,110.10	3/4	2,470.16	3/4	2,830.32	3/4	3,190.62	3/4	3,501.39
11	330.86	11	683.37	11	1,039.05	11	1,399.48	11	1,757.40	11	2,117.61	11	2,477.65	11	2,837.83	11	3,198.13	11	3,507.17
1/4	338.36	1/4	690.61	1/4	1,046.56	1/4	1,406.99	1/4	1,764.86	1/4	2,125.12	1/4	2,485.14	1/4	2,845.33	1/4	3,205.64	1/4	3,512.92
1/2	345.87	1/2	697.85	1/2	1,054.07	1/2	1,414.50	1/2	1,772.31	1/2	2,132.63	1/2	2,492.63	1/2	2,852.84	1/2	3,213.15	1/2	3,518.66
3/4	353.38	3/4	705.10	3/4	1,061.58	3/4	1,422.01	3/4	1,779.76	3/4	2,140.14	3/4	2,500.13	3/4	2,860.35	3/4	3,220.66	3/4	3,524.41

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 OF 2" DIAMETER BALL VALVE.  
 GAUGE POINT: (2" BALL VALVE) LOCATED 12'-03" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "EMS 365"

**3 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	3,530.15	0	3,794.00	0	4,035.83	0	4,255.62	0		0		0		0		0		0	
1/4	3,535.86	1/4	3,799.25	1/4	4,040.61	1/4	4,259.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,541.56	1/2	3,804.49	1/2	4,045.40	1/2	4,264.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,547.26	3/4	3,809.74	3/4	4,050.19	3/4	4,268.61	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,552.97	1	3,814.98	1	4,054.98	1	4,272.94	1		1		1		1		1		1	
1/4	3,558.63	1/4	3,820.19	1/4	4,059.73	1/4	4,277.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,564.30	1/2	3,825.40	1/2	4,064.49	1/2	4,281.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,569.97	3/4	3,830.61	3/4	4,069.24	3/4	4,285.84	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,575.64	2	3,835.82	2	4,073.99	2	4,290.14	2		2		2		2		2		2	
1/4	3,581.27	1/4	3,840.99	1/4	4,078.70	1/4	4,294.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,586.91	1/2	3,846.16	1/2	4,083.41	1/2	4,298.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,592.55	3/4	3,851.33	3/4	4,088.13	3/4	4,302.90	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,598.18	3	3,856.49	3	4,092.84	3	4,307.15	3		3		3		3		3		3	
1/4	3,603.77	1/4	3,861.63	1/4	4,097.51	1/4	4,311.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,609.36	1/2	3,866.76	1/2	4,102.19	1/2	4,315.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,614.95	3/4	3,871.89	3/4	4,106.86	3/4	4,319.81	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,620.55	4	3,877.03	4	4,111.54	4	4,324.03	4		4		4		4		4		4	
1/4	3,626.10	1/4	3,882.13	1/4	4,116.17	1/4	4,329.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,631.66	1/2	3,887.23	1/2	4,120.80	1/2	4,335.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,637.22	3/4	3,892.33	3/4	4,125.44	3/4	4,341.42	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,642.77	5	3,897.43	5	4,130.07	5	4,347.22	5		5		5		5		5		5	
1/4	3,648.28	1/4	3,902.49	1/4	4,134.67	1/4	4,353.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,653.80	1/2	3,907.54	1/2	4,139.26	1/2	4,358.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,659.31	3/4	3,912.60	3/4	4,143.86	3/4	4,364.61	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,664.82	6	3,917.66	6	4,148.46	6	4,370.41	6		6		6		6		6		6	
1/4	3,670.30	1/4	3,922.68	1/4	4,153.03	1/4	4,376.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,675.78	1/2	3,927.70	1/2	4,157.59	1/2	4,382.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,681.26	3/4	3,932.72	3/4	4,162.16	3/4	4,387.80	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,686.73	7	3,937.74	7	4,166.73	7	4,393.60	7		7		7		7		7		7	
1/4	3,692.17	1/4	3,942.72	1/4	4,171.25	1/4	4,399.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.60	1/2	3,947.70	1/2	4,175.77	1/2	4,405.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,703.04	3/4	3,952.68	3/4	4,180.29	3/4	4,410.99	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,708.47	8	3,957.65	8	4,184.81	8	4,416.79	8		8		8		8		8		8	
1/4	3,713.87	1/4	3,962.60	1/4	4,189.30	1/4	4,422.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,719.27	1/2	3,967.54	1/2	4,193.78	1/2	4,428.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,724.68	3/4	3,972.48	3/4	4,198.27	3/4	4,434.18	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,730.08	9	3,977.43	9	4,202.76	9	4,439.98	9		9		9		9		9		9	
1/4	3,735.45	1/4	3,982.33	1/4	4,207.20	1/4	4,446.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,740.81	1/2	3,987.23	1/2	4,211.64	1/2	4,453.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,746.18	3/4	3,992.13	3/4	4,216.09	3/4	4,459.96	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,751.55	10	3,997.03	10	4,220.53	10	4,466.62	10		10		10		10		10		10	
1/4	3,756.88	1/4	4,001.89	1/4	4,224.94	1/4	4,472.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,762.20	1/2	4,006.76	1/2	4,229.34	1/2	4,477.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,767.52	3/4	4,011.62	3/4	4,233.75	3/4	4,483.54	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,772.84	11	4,016.49	11	4,238.16	11	4,489.18	11		11		11		11		11		11	
1/4	3,778.13	1/4	4,021.32	1/4	4,242.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,783.42	1/2	4,026.16	1/2	4,246.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,788.71	3/4	4,030.99	3/4	4,251.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
REPRINTED: 01/31/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2014

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



# BARGE "EMS 365"

ULLAGE TRIM TABLE

FORMERLY "CTCo 365"

	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	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-3/4	- 01-3/4
1 STBD	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-3/4	- 01-3/4
2 PORT	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/8	01-1/8
2 STBD	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/8	01-1/8
3 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-1/2	- 02-1/2
3 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-1/2	- 02-1/2

(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 PORT IS - 00-5/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

January 31, 2014

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "EMS 365"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	4,283.54	0	4,007.08	0	3,729.36	0	3,430.11	0	3,110.23	0	2,778.71	0	2,447.13	0	2,115.55	0	1,783.98
1/4		1/4	4,278.77	1/4	4,001.48	1/4	3,723.35	1/4	3,423.64	1/4	3,103.34	1/4	2,771.81	1/4	2,440.23	1/4	2,108.65	1/4	1,777.07
1/2		1/2	4,273.99	1/2	3,995.89	1/2	3,717.33	1/2	3,417.18	1/2	3,096.44	1/2	2,764.90	1/2	2,433.32	1/2	2,101.74	1/2	1,770.16
3/4		3/4	4,269.21	3/4	3,990.29	3/4	3,711.31	3/4	3,410.72	3/4	3,089.55	3/4	2,757.99	3/4	2,426.41	3/4	2,094.83	3/4	1,763.25
1		1	4,264.44	1	3,984.69	1	3,705.29	1	3,404.26	1	3,082.66	1	2,751.08	1	2,419.50	1	2,087.92	1	1,756.34
1/4		1/4	4,257.93	1/4	3,979.06	1/4	3,699.25	1/4	3,397.75	1/4	3,075.75	1/4	2,744.17	1/4	2,412.59	1/4	2,081.02	1/4	1,749.44
1/2		1/2	4,251.43	1/2	3,973.44	1/2	3,693.20	1/2	3,391.25	1/2	3,068.85	1/2	2,737.27	1/2	2,405.69	1/2	2,074.11	1/2	1,742.53
3/4		3/4	4,244.93	3/4	3,967.81	3/4	3,687.15	3/4	3,384.74	3/4	3,061.94	3/4	2,730.36	3/4	2,398.78	3/4	2,067.20	3/4	1,735.62
2		2	4,238.43	2	3,962.18	2	3,681.10	2	3,378.24	2	3,055.03	2	2,723.45	2	2,391.87	2	2,060.29	2	1,728.71
1/4		1/4	4,231.93	1/4	3,956.51	1/4	3,675.01	1/4	3,371.70	1/4	3,048.12	1/4	2,716.54	1/4	2,384.96	1/4	2,053.38	1/4	1,721.80
1/2		1/2	4,225.42	1/2	3,950.84	1/2	3,668.92	1/2	3,365.17	1/2	3,041.21	1/2	2,709.63	1/2	2,378.06	1/2	2,046.48	1/2	1,714.90
3/4		3/4	4,218.92	3/4	3,945.17	3/4	3,662.83	3/4	3,358.64	3/4	3,034.31	3/4	2,702.73	3/4	2,371.15	3/4	2,039.57	3/4	1,707.99
3		3	4,212.42	3	3,939.50	3	3,656.75	3	3,352.10	3	3,027.40	3	2,695.82	3	2,364.24	3	2,032.66	3	1,701.08
1/4		1/4	4,205.92	1/4	3,933.80	1/4	3,650.59	1/4	3,345.53	1/4	3,020.49	1/4	2,688.91	1/4	2,357.33	1/4	2,025.75	1/4	1,694.17
1/2		1/2	4,199.41	1/2	3,928.10	1/2	3,644.44	1/2	3,338.95	1/2	3,013.58	1/2	2,682.00	1/2	2,350.42	1/2	2,018.84	1/2	1,687.27
3/4		3/4	4,192.91	3/4	3,922.40	3/4	3,638.28	3/4	3,332.38	3/4	3,006.67	3/4	2,675.09	3/4	2,343.52	3/4	2,011.94	3/4	1,680.36
4		4	4,186.41	4	3,916.70	4	3,632.13	4	3,325.80	4	2,999.77	4	2,668.19	4	2,336.61	4	2,005.03	4	1,673.45
1/4		1/4	4,179.94	1/4	3,910.96	1/4	3,625.93	1/4	3,319.19	1/4	2,992.86	1/4	2,661.28	1/4	2,329.70	1/4	1,998.12	1/4	1,666.54
1/2		1/2	4,173.47	1/2	3,905.22	1/2	3,619.74	1/2	3,312.58	1/2	2,985.95	1/2	2,654.37	1/2	2,322.79	1/2	1,991.21	1/2	1,659.63
3/4		3/4	4,167.01	3/4	3,899.47	3/4	3,613.54	3/4	3,305.96	3/4	2,979.04	3/4	2,647.46	3/4	2,315.88	3/4	1,984.30	3/4	1,652.73
5		5	4,160.54	5	3,893.73	5	3,607.35	5	3,299.35	5	2,972.13	5	2,640.56	5	2,308.98	5	1,977.40	5	1,645.82
1/4		1/4	4,154.07	1/4	3,887.96	1/4	3,601.12	1/4	3,292.70	1/4	2,965.23	1/4	2,633.65	1/4	2,302.07	1/4	1,970.49	1/4	1,638.91
1/2		1/2	4,147.60	1/2	3,882.19	1/2	3,594.90	1/2	3,286.06	1/2	2,958.32	1/2	2,626.74	1/2	2,295.16	1/2	1,963.58	1/2	1,632.00
3/4		3/4	4,141.13	3/4	3,876.42	3/4	3,588.67	3/4	3,279.41	3/4	2,951.41	3/4	2,619.83	3/4	2,288.25	3/4	1,956.67	3/4	1,625.09
6		6	4,134.67	6	3,870.65	6	3,582.45	6	3,272.76	6	2,944.50	6	2,612.92	6	2,281.34	6	1,949.77	6	1,618.19
1/4		1/4	4,128.20	1/4	3,864.85	1/4	3,576.18	1/4	3,266.08	1/4	2,937.60	1/4	2,606.02	1/4	2,274.44	1/4	1,942.86	1/4	1,611.28
1/2		1/2	4,121.73	1/2	3,859.06	1/2	3,569.91	1/2	3,259.39	1/2	2,930.69	1/2	2,599.11	1/2	2,267.53	1/2	1,935.95	1/2	1,604.37
3/4		3/4	4,115.26	3/4	3,853.27	3/4	3,563.64	3/4	3,252.70	3/4	2,923.78	3/4	2,592.20	3/4	2,260.62	3/4	1,929.04	3/4	1,597.46
7		7	4,108.79	7	3,847.47	7	3,557.37	7	3,246.02	7	2,916.87	7	2,585.29	7	2,253.71	7	1,922.13	7	1,590.55
1/4		1/4	4,103.78	1/4	3,841.64	1/4	3,551.07	1/4	3,239.30	1/4	2,909.96	1/4	2,578.38	1/4	2,246.81	1/4	1,915.23	1/4	1,583.65
1/2		1/2	4,098.76	1/2	3,835.81	1/2	3,544.78	1/2	3,232.58	1/2	2,903.06	1/2	2,571.48	1/2	2,239.90	1/2	1,908.32	1/2	1,576.74
3/4		3/4	4,093.74	3/4	3,829.97	3/4	3,538.48	3/4	3,225.86	3/4	2,896.15	3/4	2,564.57	3/4	2,232.99	3/4	1,901.41	3/4	1,569.83
8		8	4,088.72	8	3,824.14	8	3,532.18	8	3,219.15	8	2,889.24	8	2,557.66	8	2,226.08	8	1,894.50	8	1,562.92
1/4		1/4	4,083.67	1/4	3,818.28	1/4	3,525.85	1/4	3,212.39	1/4	2,882.33	1/4	2,550.75	1/4	2,219.17	1/4	1,887.59	1/4	1,556.02
1/2		1/2	4,078.63	1/2	3,812.41	1/2	3,519.52	1/2	3,205.63	1/2	2,875.42	1/2	2,543.84	1/2	2,212.27	1/2	1,880.69	1/2	1,549.11
3/4		3/4	4,073.58	3/4	3,806.55	3/4	3,513.20	3/4	3,198.87	3/4	2,868.52	3/4	2,536.94	3/4	2,205.36	3/4	1,873.78	3/4	1,542.20
9		9	4,068.53	9	3,800.68	9	3,506.87	9	3,192.11	9	2,861.61	9	2,530.03	9	2,198.45	9	1,866.87	9	1,535.29
1/4		1/4	4,063.44	1/4	3,794.78	1/4	3,500.50	1/4	3,185.32	1/4	2,854.70	1/4	2,523.12	1/4	2,191.54	1/4	1,859.96	1/4	1,528.38
1/2		1/2	4,058.35	1/2	3,788.87	1/2	3,494.13	1/2	3,178.53	1/2	2,847.79	1/2	2,516.21	1/2	2,184.63	1/2	1,853.05	1/2	1,521.48
3/4		3/4	4,053.25	3/4	3,782.97	3/4	3,487.76	3/4	3,171.74	3/4	2,840.88	3/4	2,509.31	3/4	2,177.73	3/4	1,846.15	3/4	1,514.57
10		10	4,048.16	10	3,777.06	10	3,481.39	10	3,164.95	10	2,833.98	10	2,502.40	10	2,170.82	10	1,839.24	10	1,507.66
1/4		1/4	4,043.04	1/4	3,771.12	1/4	3,475.00	1/4	3,158.13	1/4	2,827.07	1/4	2,495.49	1/4	2,163.91	1/4	1,832.33	1/4	1,500.75
1/2		1/2	4,037.92	1/2	3,765.19	1/2	3,468.61	1/2	3,151.31	1/2	2,820.16	1/2	2,488.58	1/2	2,157.00	1/2	1,825.42	1/2	1,493.84
3/4		3/4	4,032.80	3/4	3,759.25	3/4	3,462.22	3/4	3,144.49	3/4	2,813.25	3/4	2,481.67	3/4	2,150.09	3/4	1,818.52	3/4	1,486.94
11		11	4,027.69	11	3,753.32	11	3,455.83	11	3,137.67	11	2,806.34	11	2,474.77	11	2,143.19	11	1,811.61	11	1,480.03
1/4		1/4	4,022.53	1/4	3,747.33	1/4	3,449.40	1/4	3,130.81	1/4	2,799.44	1/4	2,467.86	1/4	2,136.28	1/4	1,804.70	1/4	1,473.12
1/2		1/2	4,017.38	1/2	3,741.34	1/2	3,442.97	1/2	3,123.95	1/2	2,792.53	1/2	2,460.95	1/2	2,129.37	1/2	1,797.79	1/2	1,466.21
3/4		3/4	4,012.23	3/4	3,735.35	3/4	3,436.54	3/4	3,117.09	3/4	2,785.62	3/4	2,454.04	3/4	2,122.46	3/4	1,790.88	3/4	1,459.30

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 OF 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 46'-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 "EMS 365"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	1,452.40	0	1,121.87	0	806.71	0	511.59	0	236.50	0		0		0		0		0	
1/4	1,445.49	1/4	1,115.12	1/4	800.36	1/4	505.70	1/4	230.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,438.58	1/2	1,108.36	1/2	794.01	1/2	499.81	1/2	225.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,431.67	3/4	1,101.61	3/4	787.66	3/4	493.92	3/4	219.91	3/4		3/4		3/4		3/4		3/4	
1	1,424.76	1	1,094.85	1	781.31	1	488.03	1	214.38	1		1		1		1		1	
1/4	1,417.86	1/4	1,088.13	1/4	775.00	1/4	482.16	1/4	208.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,410.95	1/2	1,081.41	1/2	768.70	1/2	476.30	1/2	203.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,404.04	3/4	1,074.69	3/4	762.40	3/4	470.44	3/4	197.88	3/4		3/4		3/4		3/4		3/4	
2	1,397.13	2	1,067.97	2	756.09	2	464.58	2	192.38	2		2		2		2		2	
1/4	1,390.23	1/4	1,061.29	1/4	749.81	1/4	458.75	1/4	186.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,383.32	1/2	1,054.61	1/2	743.54	1/2	452.91	1/2	181.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,376.41	3/4	1,047.93	3/4	737.26	3/4	447.08	3/4	175.97	3/4		3/4		3/4		3/4		3/4	
3	1,369.50	3	1,041.25	3	730.99	3	441.25	3	170.50	3		3		3		3		3	
1/4	1,362.59	1/4	1,034.60	1/4	724.74	1/4	435.44	1/4	165.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,355.69	1/2	1,027.96	1/2	718.49	1/2	429.64	1/2	159.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,348.78	3/4	1,021.31	3/4	712.25	3/4	423.84	3/4	154.20	3/4		3/4		3/4		3/4		3/4	
4	1,341.87	4	1,014.66	4	706.00	4	418.04	4	148.76	4		4		4		4		4	
1/4	1,334.96	1/4	1,008.04	1/4	699.79	1/4	412.27	1/4	143.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,328.05	1/2	1,001.42	1/2	693.57	1/2	406.50	1/2	137.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,321.15	3/4	994.80	3/4	687.36	3/4	400.73	3/4	132.55	3/4		3/4		3/4		3/4		3/4	
5	1,314.24	5	988.18	5	681.15	5	394.96	5	127.15	5		5		5		5		5	
1/4	1,307.33	1/4	981.60	1/4	674.97	1/4	389.22	1/4	121.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,300.42	1/2	975.01	1/2	668.78	1/2	383.48	1/2	116.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,293.51	3/4	968.43	3/4	662.60	3/4	377.73	3/4	111.08	3/4		3/4		3/4		3/4		3/4	
6	1,286.61	6	961.84	6	656.42	6	371.99	6	105.72	6		6		6		6		6	
1/4	1,279.70	1/4	955.29	1/4	650.28	1/4	366.29	1/4	100.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,272.79	1/2	948.74	1/2	644.13	1/2	360.58	1/2	95.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,265.88	3/4	942.18	3/4	637.98	3/4	354.87	3/4	89.74	3/4		3/4		3/4		3/4		3/4	
7	1,258.98	7	935.63	7	631.83	7	349.17	7	84.41	7		7		7		7		7	
1/4	1,252.07	1/4	929.12	1/4	625.73	1/4	343.49	1/4	79.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,245.16	1/2	922.62	1/2	619.63	1/2	337.81	1/2	73.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,238.25	3/4	916.11	3/4	613.52	3/4	332.13	3/4	68.51	3/4		3/4		3/4		3/4		3/4	
8	1,231.34	8	909.61	8	607.42	8	326.46	8	63.21	8		8		8		8		8	
1/4	1,224.44	1/4	903.13	1/4	601.38	1/4	320.79	1/4	57.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,217.53	1/2	896.65	1/2	595.33	1/2	315.11	1/2	52.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,210.62	3/4	890.18	3/4	589.29	3/4	309.44	3/4	47.41	3/4		3/4		3/4		3/4		3/4	
9	1,203.71	9	883.70	9	583.25	9	303.77	9	42.14	9		9		9		9		9	
1/4	1,196.86	1/4	877.25	1/4	577.25	1/4	298.13	1/4	37.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,190.01	1/2	870.80	1/2	571.24	1/2	292.49	1/2	33.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,183.16	3/4	864.35	3/4	565.24	3/4	286.85	3/4	29.03	3/4		3/4		3/4		3/4		3/4	
10	1,176.31	10	857.91	10	559.23	10	281.21	10	24.66	10		10		10		10		10	
1/4	1,169.49	1/4	851.49	1/4	553.26	1/4	275.61	1/4	22.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,162.67	1/2	845.07	1/2	547.29	1/2	270.00	1/2	19.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,155.85	3/4	838.66	3/4	541.32	3/4	264.40	3/4	16.83	3/4		3/4		3/4		3/4		3/4	
11	1,149.03	11	832.24	11	535.35	11	258.79	11	14.22	11		11		11		11		11	
1/4	1,142.24	1/4	825.86	1/4	529.41	1/4	253.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,135.45	1/2	819.48	1/2	523.47	1/2	247.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,128.66	3/4	813.09	3/4	517.53	3/4	242.07	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
REPRINTED: 01/31/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2014

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





# BARGE "EMS 365"

# 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	4,282.27	0	4,005.98	0	3,728.43	0	3,429.35	0	3,109.65	0	2,778.31	0	2,446.91	0	2,115.50	0	1,784.09
1/4		1/4	4,277.50	1/4	4,000.38	1/4	3,722.42	1/4	3,422.89	1/4	3,102.76	1/4	2,771.41	1/4	2,440.00	1/4	2,108.60	1/4	1,777.19
1/2		1/2	4,272.72	1/2	3,994.79	1/2	3,716.41	1/2	3,416.43	1/2	3,095.87	1/2	2,764.50	1/2	2,433.10	1/2	2,101.69	1/2	1,770.28
3/4		3/4	4,267.95	3/4	3,989.20	3/4	3,710.39	3/4	3,409.98	3/4	3,088.99	3/4	2,757.60	3/4	2,426.19	3/4	2,094.79	3/4	1,763.38
1		1	4,263.18	1	3,983.60	1	3,704.38	1	3,403.52	1	3,082.10	1	2,750.69	1	2,419.29	1	2,087.88	1	1,756.48
1/4		1/4	4,256.68	1/4	3,977.98	1/4	3,698.33	1/4	3,397.02	1/4	3,075.20	1/4	2,743.79	1/4	2,412.38	1/4	2,080.98	1/4	1,749.57
1/2		1/2	4,250.18	1/2	3,972.35	1/2	3,692.29	1/2	3,390.51	1/2	3,068.29	1/2	2,736.89	1/2	2,405.48	1/2	2,074.07	1/2	1,742.67
3/4		3/4	4,243.68	3/4	3,966.73	3/4	3,686.24	3/4	3,384.01	3/4	3,061.39	3/4	2,729.98	3/4	2,398.58	3/4	2,067.17	3/4	1,735.76
2		2	4,237.18	2	3,961.10	2	3,680.20	2	3,377.51	2	3,054.48	2	2,723.08	2	2,391.67	2	2,060.26	2	1,728.86
1/4		1/4	4,230.68	1/4	3,955.44	1/4	3,674.11	1/4	3,370.98	1/4	3,047.58	1/4	2,716.17	1/4	2,384.77	1/4	2,053.36	1/4	1,721.95
1/2		1/2	4,224.18	1/2	3,949.77	1/2	3,668.03	1/2	3,364.45	1/2	3,040.68	1/2	2,709.27	1/2	2,377.86	1/2	2,046.46	1/2	1,715.05
3/4		3/4	4,217.68	3/4	3,944.11	3/4	3,661.95	3/4	3,357.92	3/4	3,033.77	3/4	2,702.36	3/4	2,370.96	3/4	2,039.55	3/4	1,708.15
3		3	4,211.19	3	3,938.44	3	3,655.86	3	3,351.39	3	3,026.87	3	2,695.46	3	2,364.05	3	2,032.65	3	1,701.24
1/4		1/4	4,204.69	1/4	3,932.75	1/4	3,649.71	1/4	3,344.82	1/4	3,019.96	1/4	2,688.56	1/4	2,357.15	1/4	2,025.74	1/4	1,694.34
1/2		1/2	4,198.19	1/2	3,927.05	1/2	3,643.56	1/2	3,338.25	1/2	3,013.06	1/2	2,681.65	1/2	2,350.25	1/2	2,018.84	1/2	1,687.43
3/4		3/4	4,191.69	3/4	3,921.35	3/4	3,637.41	3/4	3,331.68	3/4	3,006.15	3/4	2,674.75	3/4	2,343.34	3/4	2,011.93	3/4	1,680.53
4		4	4,185.19	4	3,915.66	4	3,631.26	4	3,325.11	4	2,999.25	4	2,667.84	4	2,336.44	4	2,005.03	4	1,673.62
1/4		1/4	4,178.73	1/4	3,909.92	1/4	3,625.07	1/4	3,318.50	1/4	2,992.35	1/4	2,660.94	1/4	2,329.53	1/4	1,998.13	1/4	1,666.72
1/2		1/2	4,172.26	1/2	3,904.18	1/2	3,618.87	1/2	3,311.89	1/2	2,985.44	1/2	2,654.03	1/2	2,322.63	1/2	1,991.22	1/2	1,659.82
3/4		3/4	4,165.80	3/4	3,898.44	3/4	3,612.68	3/4	3,305.28	3/4	2,978.54	3/4	2,647.13	3/4	2,315.72	3/4	1,984.32	3/4	1,652.91
5		5	4,159.33	5	3,892.70	5	3,606.49	5	3,298.67	5	2,971.63	5	2,640.23	5	2,308.82	5	1,977.41	5	1,646.01
1/4		1/4	4,152.87	1/4	3,886.93	1/4	3,600.27	1/4	3,292.02	1/4	2,964.73	1/4	2,633.32	1/4	2,301.92	1/4	1,970.51	1/4	1,639.10
1/2		1/2	4,146.40	1/2	3,881.17	1/2	3,594.05	1/2	3,285.38	1/2	2,957.82	1/2	2,626.42	1/2	2,295.01	1/2	1,963.60	1/2	1,632.20
3/4		3/4	4,139.94	3/4	3,875.40	3/4	3,587.83	3/4	3,278.74	3/4	2,950.92	3/4	2,619.51	3/4	2,288.11	3/4	1,956.70	3/4	1,625.29
6		6	4,133.48	6	3,869.63	6	3,581.60	6	3,272.10	6	2,944.02	6	2,612.61	6	2,281.20	6	1,949.80	6	1,618.39
1/4		1/4	4,127.01	1/4	3,863.84	1/4	3,575.34	1/4	3,265.41	1/4	2,937.11	1/4	2,605.70	1/4	2,274.30	1/4	1,942.89	1/4	1,611.49
1/2		1/2	4,120.55	1/2	3,858.05	1/2	3,569.07	1/2	3,258.73	1/2	2,930.21	1/2	2,598.80	1/2	2,267.39	1/2	1,935.99	1/2	1,604.58
3/4		3/4	4,114.08	3/4	3,852.26	3/4	3,562.81	3/4	3,252.05	3/4	2,923.30	3/4	2,591.90	3/4	2,260.49	3/4	1,929.08	3/4	1,597.68
7		7	4,107.62	7	3,846.47	7	3,556.54	7	3,245.36	7	2,916.40	7	2,584.99	7	2,253.59	7	1,922.18	7	1,590.77
1/4		1/4	4,102.60	1/4	3,840.64	1/4	3,550.25	1/4	3,238.65	1/4	2,909.49	1/4	2,578.09	1/4	2,246.68	1/4	1,915.27	1/4	1,583.87
1/2		1/2	4,097.59	1/2	3,834.81	1/2	3,543.96	1/2	3,231.94	1/2	2,902.59	1/2	2,571.18	1/2	2,239.78	1/2	1,908.37	1/2	1,576.96
3/4		3/4	4,092.58	3/4	3,828.98	3/4	3,537.66	3/4	3,225.22	3/4	2,895.69	3/4	2,564.28	3/4	2,232.87	3/4	1,901.47	3/4	1,570.06
8		8	4,087.56	8	3,823.15	8	3,531.37	8	3,218.51	8	2,888.78	8	2,557.37	8	2,225.97	8	1,894.56	8	1,563.16
1/4		1/4	4,082.52	1/4	3,817.29	1/4	3,525.04	1/4	3,211.75	1/4	2,881.88	1/4	2,550.47	1/4	2,219.06	1/4	1,887.66	1/4	1,556.25
1/2		1/2	4,077.47	1/2	3,811.43	1/2	3,518.72	1/2	3,205.00	1/2	2,874.97	1/2	2,543.57	1/2	2,212.16	1/2	1,880.75	1/2	1,549.35
3/4		3/4	4,072.43	3/4	3,805.57	3/4	3,512.39	3/4	3,198.24	3/4	2,868.07	3/4	2,536.66	3/4	2,205.26	3/4	1,873.85	3/4	1,542.44
9		9	4,067.38	9	3,799.71	9	3,506.07	9	3,191.48	9	2,861.16	9	2,529.76	9	2,198.35	9	1,866.94	9	1,535.54
1/4		1/4	4,062.30	1/4	3,793.81	1/4	3,499.70	1/4	3,184.70	1/4	2,854.26	1/4	2,522.85	1/4	2,191.45	1/4	1,860.04	1/4	1,528.63
1/2		1/2	4,057.21	1/2	3,787.91	1/2	3,493.34	1/2	3,177.91	1/2	2,847.36	1/2	2,515.95	1/2	2,184.54	1/2	1,853.14	1/2	1,521.73
3/4		3/4	4,052.12	3/4	3,782.00	3/4	3,486.97	3/4	3,171.13	3/4	2,840.45	3/4	2,509.04	3/4	2,177.64	3/4	1,846.23	3/4	1,514.83
10		10	4,047.03	10	3,776.10	10	3,480.61	10	3,164.34	10	2,833.55	10	2,502.14	10	2,170.73	10	1,839.33	10	1,507.92
1/4		1/4	4,041.92	1/4	3,770.17	1/4	3,474.22	1/4	3,157.52	1/4	2,826.64	1/4	2,495.24	1/4	2,163.83	1/4	1,832.42	1/4	1,501.02
1/2		1/2	4,036.80	1/2	3,764.24	1/2	3,467.83	1/2	3,150.71	1/2	2,819.74	1/2	2,488.33	1/2	2,156.93	1/2	1,825.52	1/2	1,494.11
3/4		3/4	4,031.68	3/4	3,758.31	3/4	3,461.45	3/4	3,143.89	3/4	2,812.83	3/4	2,481.43	3/4	2,150.02	3/4	1,818.61	3/4	1,487.21
11		11	4,026.57	11	3,752.37	11	3,455.06	11	3,137.07	11	2,805.93	11	2,474.52	11	2,143.12	11	1,811.71	11	1,480.30
1/4		1/4	4,021.42	1/4	3,746.39	1/4	3,448.63	1/4	3,130.22	1/4	2,799.03	1/4	2,467.62	1/4	2,136.21	1/4	1,804.81	1/4	1,473.40
1/2		1/2	4,016.27	1/2	3,740.40	1/2	3,442.21	1/2	3,123.36	1/2	2,792.12	1/2	2,460.71	1/2	2,129.31	1/2	1,797.90	1/2	1,466.50
3/4		3/4	4,011.12	3/4	3,734.42	3/4	3,435.78	3/4	3,116.50	3/4	2,785.22	3/4	2,453.81	3/4	2,122.40	3/4	1,791.00	3/4	1,459.59

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 OF 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 46'-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 "EMS 365"

1 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	1,452.69	0	1,122.34	0	807.35	0	512.02	0	236.34	0		0		0		0		0	
1/4	1,445.78	1/4	1,115.59	1/4	801.00	1/4	506.11	1/4	230.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,438.88	1/2	1,108.83	1/2	794.65	1/2	500.20	1/2	225.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,431.97	3/4	1,102.08	3/4	788.31	3/4	494.29	3/4	219.76	3/4		3/4		3/4		3/4		3/4	
1	1,425.07	1	1,095.33	1	781.96	1	488.38	1	214.24	1		1		1		1		1	
1/4	1,418.17	1/4	1,088.61	1/4	775.66	1/4	482.49	1/4	208.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,411.26	1/2	1,081.90	1/2	769.36	1/2	476.61	1/2	203.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,404.36	3/4	1,075.18	3/4	763.06	3/4	470.73	3/4	197.75	3/4		3/4		3/4		3/4		3/4	
2	1,397.45	2	1,068.46	2	756.76	2	464.85	2	192.25	2		2		2		2		2	
1/4	1,390.55	1/4	1,061.78	1/4	750.48	1/4	458.99	1/4	186.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,383.64	1/2	1,055.11	1/2	744.21	1/2	453.14	1/2	181.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,376.74	3/4	1,048.44	3/4	737.94	3/4	447.29	3/4	175.85	3/4		3/4		3/4		3/4		3/4	
3	1,369.83	3	1,041.76	3	731.67	3	441.43	3	170.39	3		3		3		3		3	
1/4	1,362.93	1/4	1,035.12	1/4	725.42	1/4	435.61	1/4	164.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,356.03	1/2	1,028.47	1/2	719.18	1/2	429.79	1/2	159.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,349.12	3/4	1,021.82	3/4	712.94	3/4	423.97	3/4	154.09	3/4		3/4		3/4		3/4		3/4	
4	1,342.22	4	1,015.18	4	706.70	4	418.14	4	148.66	4		4		4		4		4	
1/4	1,335.31	1/4	1,008.56	1/4	700.49	1/4	412.35	1/4	143.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,328.41	1/2	1,001.95	1/2	694.28	1/2	406.57	1/2	137.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,321.50	3/4	995.33	3/4	688.07	3/4	400.78	3/4	132.46	3/4		3/4		3/4		3/4		3/4	
5	1,314.60	5	988.72	5	681.86	5	394.99	5	127.06	5		5		5		5		5	
1/4	1,307.70	1/4	982.14	1/4	675.68	1/4	389.22	1/4	121.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,300.79	1/2	975.55	1/2	669.50	1/2	383.46	1/2	116.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,293.89	3/4	968.97	3/4	663.33	3/4	377.70	3/4	111.00	3/4		3/4		3/4		3/4		3/4	
6	1,286.98	6	962.39	6	657.15	6	371.94	6	105.65	6		6		6		6		6	
1/4	1,280.08	1/4	955.84	1/4	651.00	1/4	366.21	1/4	100.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,273.17	1/2	949.29	1/2	644.86	1/2	360.48	1/2	95.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,266.27	3/4	942.74	3/4	638.72	3/4	354.76	3/4	89.67	3/4		3/4		3/4		3/4		3/4	
7	1,259.37	7	936.20	7	632.57	7	349.03	7	84.35	7		7		7		7		7	
1/4	1,252.46	1/4	929.69	1/4	626.47	1/4	343.33	1/4	79.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,245.56	1/2	923.19	1/2	620.37	1/2	337.64	1/2	73.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,238.65	3/4	916.69	3/4	614.27	3/4	331.94	3/4	68.46	3/4		3/4		3/4		3/4		3/4	
8	1,231.75	8	910.19	8	608.17	8	326.24	8	63.17	8		8		8		8		8	
1/4	1,224.84	1/4	903.71	1/4	602.11	1/4	320.57	1/4	57.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,217.94	1/2	897.24	1/2	596.05	1/2	314.90	1/2	52.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,211.04	3/4	890.77	3/4	589.99	3/4	309.23	3/4	47.38	3/4		3/4		3/4		3/4		3/4	
9	1,204.13	9	884.29	9	583.92	9	303.57	9	42.11	9		9		9		9		9	
1/4	1,197.28	1/4	877.85	1/4	577.90	1/4	297.93	1/4	37.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,190.44	1/2	871.40	1/2	571.87	1/2	292.30	1/2	33.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,183.59	3/4	864.96	3/4	565.85	3/4	286.66	3/4	29.01	3/4		3/4		3/4		3/4		3/4	
10	1,176.74	10	858.51	10	559.82	10	281.03	10	24.64	10		10		10		10		10	
1/4	1,169.93	1/4	852.10	1/4	553.83	1/4	275.42	1/4	22.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,163.11	1/2	845.69	1/2	547.84	1/2	269.82	1/2	19.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,156.29	3/4	839.28	3/4	541.85	3/4	264.22	3/4	16.82	3/4		3/4		3/4		3/4		3/4	
11	1,149.47	11	832.86	11	535.86	11	258.62	11	14.21	11		11		11		11		11	
1/4	1,142.69	1/4	826.48	1/4	529.90	1/4	253.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,135.91	1/2	820.11	1/2	523.94	1/2	247.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,129.12	3/4	813.73	3/4	517.98	3/4	241.91	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
REPRINTED: 01/31/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2014

PRECISION MEASUREMENT  
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Pearland, Texas 77588  
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# BARGE "EMS 365"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	IN	OUT
0		0	5,201.24	0	4,878.06	0	4,553.40	0	4,203.54	0	3,829.55	0	3,441.94	0	3,054.26	0	2,666.58	0	2,278.90		
1/4		1/4	5,195.66	1/4	4,871.51	1/4	4,546.37	1/4	4,195.98	1/4	3,821.49	1/4	3,433.86	1/4	3,046.18	1/4	2,658.50	1/4	2,270.82		
1/2		1/2	5,190.08	1/2	4,864.97	1/2	4,539.34	1/2	4,188.43	1/2	3,813.43	1/2	3,425.79	1/2	3,038.10	1/2	2,650.42	1/2	2,262.74		
3/4		3/4	5,184.50	3/4	4,858.43	3/4	4,532.30	3/4	4,180.87	3/4	3,805.37	3/4	3,417.71	3/4	3,030.03	3/4	2,642.35	3/4	2,254.67		
1		1	5,178.92	1	4,851.89	1	4,525.27	1	4,173.32	1	3,797.31	1	3,409.63	1	3,021.95	1	2,634.27	1	2,246.59		
1/4		1/4	5,171.31	1/4	4,845.31	1/4	4,518.20	1/4	4,165.71	1/4	3,789.24	1/4	3,401.56	1/4	3,013.87	1/4	2,626.19	1/4	2,238.51		
1/2		1/2	5,163.71	1/2	4,838.73	1/2	4,511.13	1/2	4,158.11	1/2	3,781.16	1/2	3,393.48	1/2	3,005.80	1/2	2,618.12	1/2	2,230.43		
3/4		3/4	5,156.11	3/4	4,832.15	3/4	4,504.05	3/4	4,150.50	3/4	3,773.08	3/4	3,385.40	3/4	2,997.72	3/4	2,610.04	3/4	2,222.36		
2		2	5,148.51	2	4,825.57	2	4,496.98	2	4,142.90	2	3,765.01	2	3,377.33	2	2,989.64	2	2,601.96	2	2,214.28		
1/4		1/4	5,140.91	1/4	4,818.94	1/4	4,489.87	1/4	4,135.26	1/4	3,756.93	1/4	3,369.25	1/4	2,981.57	1/4	2,593.89	1/4	2,206.20		
1/2		1/2	5,133.30	1/2	4,812.32	1/2	4,482.75	1/2	4,127.62	1/2	3,748.85	1/2	3,361.17	1/2	2,973.49	1/2	2,585.81	1/2	2,198.13		
3/4		3/4	5,125.70	3/4	4,805.69	3/4	4,475.63	3/4	4,119.98	3/4	3,740.78	3/4	3,353.10	3/4	2,965.41	3/4	2,577.73	3/4	2,190.05		
3		3	5,118.10	3	4,799.06	3	4,468.51	3	4,112.34	3	3,732.70	3	3,345.02	3	2,957.34	3	2,569.66	3	2,181.97		
1/4		1/4	5,110.50	1/4	4,792.40	1/4	4,461.32	1/4	4,104.66	1/4	3,724.62	1/4	3,336.94	1/4	2,949.26	1/4	2,561.58	1/4	2,173.90		
1/2		1/2	5,102.89	1/2	4,785.73	1/2	4,454.12	1/2	4,096.97	1/2	3,716.55	1/2	3,328.87	1/2	2,941.18	1/2	2,553.50	1/2	2,165.82		
3/4		3/4	5,095.29	3/4	4,779.07	3/4	4,446.93	3/4	4,089.28	3/4	3,708.47	3/4	3,320.79	3/4	2,933.11	3/4	2,545.43	3/4	2,157.74		
4		4	5,087.69	4	4,772.41	4	4,439.73	4	4,081.59	4	3,700.39	4	3,312.71	4	2,925.03	4	2,537.35	4	2,149.67		
1/4		1/4	5,080.13	1/4	4,765.70	1/4	4,432.49	1/4	4,073.86	1/4	3,692.32	1/4	3,304.64	1/4	2,916.95	1/4	2,529.27	1/4	2,141.59		
1/2		1/2	5,072.57	1/2	4,758.98	1/2	4,425.25	1/2	4,066.13	1/2	3,684.24	1/2	3,296.56	1/2	2,908.88	1/2	2,521.20	1/2	2,133.51		
3/4		3/4	5,065.01	3/4	4,752.27	3/4	4,418.00	3/4	4,058.39	3/4	3,676.16	3/4	3,288.48	3/4	2,900.80	3/4	2,513.12	3/4	2,125.44		
5		5	5,057.44	5	4,745.56	5	4,410.76	5	4,050.66	5	3,668.09	5	3,280.41	5	2,892.72	5	2,505.04	5	2,117.36		
1/4		1/4	5,049.88	1/4	4,738.81	1/4	4,403.48	1/4	4,042.89	1/4	3,660.01	1/4	3,272.33	1/4	2,884.65	1/4	2,496.97	1/4	2,109.28		
1/2		1/2	5,042.32	1/2	4,732.06	1/2	4,396.20	1/2	4,035.12	1/2	3,651.93	1/2	3,264.25	1/2	2,876.57	1/2	2,488.89	1/2	2,101.21		
3/4		3/4	5,034.76	3/4	4,725.32	3/4	4,388.93	3/4	4,027.35	3/4	3,643.86	3/4	3,256.18	3/4	2,868.49	3/4	2,480.81	3/4	2,093.13		
6		6	5,027.20	6	4,718.57	6	4,381.65	6	4,019.58	6	3,635.78	6	3,248.10	6	2,860.42	6	2,472.74	6	2,085.05		
1/4		1/4	5,019.64	1/4	4,711.80	1/4	4,374.32	1/4	4,011.76	1/4	3,627.70	1/4	3,240.02	1/4	2,852.34	1/4	2,464.66	1/4	2,076.98		
1/2		1/2	5,012.07	1/2	4,705.02	1/2	4,366.99	1/2	4,003.94	1/2	3,619.63	1/2	3,231.95	1/2	2,844.26	1/2	2,456.58	1/2	2,068.90		
3/4		3/4	5,004.51	3/4	4,698.25	3/4	4,359.66	3/4	3,996.13	3/4	3,611.55	3/4	3,223.87	3/4	2,836.19	3/4	2,448.51	3/4	2,060.82		
7		7	4,996.95	7	4,691.48	7	4,352.33	7	3,988.31	7	3,603.47	7	3,215.79	7	2,828.11	7	2,440.43	7	2,052.75		
1/4		1/4	4,991.08	1/4	4,684.66	1/4	4,344.97	1/4	3,980.45	1/4	3,595.40	1/4	3,207.72	1/4	2,820.03	1/4	2,432.35	1/4	2,044.67		
1/2		1/2	4,985.22	1/2	4,677.84	1/2	4,337.61	1/2	3,972.60	1/2	3,587.32	1/2	3,199.64	1/2	2,811.96	1/2	2,424.28	1/2	2,036.59		
3/4		3/4	4,979.35	3/4	4,671.02	3/4	4,330.24	3/4	3,964.75	3/4	3,579.24	3/4	3,191.56	3/4	2,803.88	3/4	2,416.20	3/4	2,028.52		
8		8	4,973.49	8	4,664.20	8	4,322.88	8	3,956.89	8	3,571.17	8	3,183.49	8	2,795.80	8	2,408.12	8	2,020.44		
1/4		1/4	4,967.59	1/4	4,657.35	1/4	4,315.48	1/4	3,948.99	1/4	3,563.09	1/4	3,175.41	1/4	2,787.73	1/4	2,400.05	1/4	2,012.36		
1/2		1/2	4,961.69	1/2	4,650.49	1/2	4,308.08	1/2	3,941.08	1/2	3,555.01	1/2	3,167.33	1/2	2,779.65	1/2	2,391.97	1/2	2,004.29		
3/4		3/4	4,955.79	3/4	4,643.64	3/4	4,300.68	3/4	3,933.18	3/4	3,546.94	3/4	3,159.26	3/4	2,771.57	3/4	2,383.89	3/4	1,996.21		
9		9	4,949.89	9	4,636.78	9	4,293.28	9	3,925.28	9	3,538.86	9	3,151.18	9	2,763.50	9	2,375.82	9	1,988.13		
1/4		1/4	4,943.93	1/4	4,629.88	1/4	4,285.84	1/4	3,917.34	1/4	3,530.78	1/4	3,143.10	1/4	2,755.42	1/4	2,367.74	1/4	1,980.06		
1/2		1/2	4,937.98	1/2	4,622.97	1/2	4,278.39	1/2	3,909.40	1/2	3,522.71	1/2	3,135.03	1/2	2,747.34	1/2	2,359.66	1/2	1,971.98		
3/4		3/4	4,932.03	3/4	4,616.07	3/4	4,270.95	3/4	3,901.46	3/4	3,514.63	3/4	3,126.95	3/4	2,739.27	3/4	2,351.59	3/4	1,963.90		
10		10	4,926.08	10	4,609.17	10	4,263.50	10	3,893.53	10	3,506.55	10	3,118.87	10	2,731.19	10	2,343.51	10	1,955.83		
1/4		1/4	4,920.10	1/4	4,602.23	1/4	4,256.03	1/4	3,885.55	1/4	3,498.48	1/4	3,110.80	1/4	2,723.11	1/4	2,335.43	1/4	1,947.75		
1/2		1/2	4,914.11	1/2	4,595.29	1/2	4,248.56	1/2	3,877.58	1/2	3,490.40	1/2	3,102.72	1/2	2,715.04	1/2	2,327.36	1/2	1,939.67		
3/4		3/4	4,908.13	3/4	4,588.35	3/4	4,241.09	3/4	3,869.60	3/4	3,482.32	3/4	3,094.64	3/4	2,706.96	3/4	2,319.28	3/4	1,931.60		
11		11	4,902.14	11	4,581.41	11	4,233.62	11	3,861.63	11	3,474.25	11	3,086.57	11	2,698.88	11	2,311.20	11	1,923.52		
1/4		1/4	4,896.12	1/4	4,574.41	1/4	4,226.10	1/4	3,853.61	1/4	3,466.17	1/4	3,078.49	1/4	2,690.81	1/4	2,303.13	1/4	1,915.44		
1/2		1/2	4,890.10	1/2	4,567.41	1/2	4,218.58	1/2	3,845.59	1/2	3,458.09	1/2	3,070.41	1/2	2,682.73	1/2	2,295.05	1/2	1,907.37		
3/4		3/4	4,884.08	3/4	4,560.41	3/4	4,211.06	3/4	3,837.57	3/4	3,450.02	3/4	3,062.34	3/4	2,674.65	3/4	2,286.97	3/4	1,899.29		

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 OF 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 43'-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 "EMS 365"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	1,891.21	0	1,503.53	0	1,115.85	0	733.90	0	355.76	0		0		0		0		0	
1/4	1,883.14	1/4	1,495.46	1/4	1,107.77	1/4	726.15	1/4	347.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,875.06	1/2	1,487.38	1/2	1,099.70	1/2	718.39	1/2	339.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,866.98	3/4	1,479.30	3/4	1,091.62	3/4	710.64	3/4	331.54	3/4		3/4		3/4		3/4		3/4	
1	1,858.91	1	1,471.23	1	1,083.54	1	702.88	1	323.46	1		1		1		1		1	
1/4	1,850.83	1/4	1,463.15	1/4	1,075.47	1/4	695.13	1/4	315.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,842.75	1/2	1,455.07	1/2	1,067.39	1/2	687.37	1/2	307.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,834.68	3/4	1,447.00	3/4	1,059.31	3/4	679.62	3/4	299.23	3/4		3/4		3/4		3/4		3/4	
2	1,826.60	2	1,438.92	2	1,051.24	2	671.87	2	291.15	2		2		2		2		2	
1/4	1,818.52	1/4	1,430.84	1/4	1,043.16	1/4	664.11	1/4	283.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,810.45	1/2	1,422.76	1/2	1,035.08	1/2	656.36	1/2	275.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,802.37	3/4	1,414.69	3/4	1,027.01	3/4	648.60	3/4	266.92	3/4		3/4		3/4		3/4		3/4	
3	1,794.29	3	1,406.61	3	1,018.93	3	640.85	3	258.85	3		3		3		3		3	
1/4	1,786.22	1/4	1,398.53	1/4	1,010.85	1/4	633.10	1/4	250.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,778.14	1/2	1,390.46	1/2	1,002.78	1/2	625.34	1/2	242.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,770.06	3/4	1,382.38	3/4	994.70	3/4	617.59	3/4	234.62	3/4		3/4		3/4		3/4		3/4	
4	1,761.99	4	1,374.30	4	986.62	4	609.83	4	226.54	4		4		4		4		4	
1/4	1,753.91	1/4	1,366.23	1/4	978.55	1/4	602.08	1/4	218.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,745.83	1/2	1,358.15	1/2	970.47	1/2	594.32	1/2	210.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,737.76	3/4	1,350.07	3/4	962.39	3/4	586.57	3/4	202.31	3/4		3/4		3/4		3/4		3/4	
5	1,729.68	5	1,342.00	5	954.32	5	578.81	5	194.24	5		5		5		5		5	
1/4	1,721.60	1/4	1,333.92	1/4	946.24	1/4	571.05	1/4	186.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,713.53	1/2	1,325.84	1/2	938.16	1/2	563.29	1/2	178.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,705.45	3/4	1,317.77	3/4	930.09	3/4	555.53	3/4	170.01	3/4		3/4		3/4		3/4		3/4	
6	1,697.37	6	1,309.69	6	922.01	6	547.77	6	161.93	6		6		6		6		6	
1/4	1,689.30	1/4	1,301.61	1/4	913.93	1/4	539.99	1/4	153.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,681.22	1/2	1,293.54	1/2	905.86	1/2	532.22	1/2	145.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,673.14	3/4	1,285.46	3/4	897.78	3/4	524.45	3/4	137.70	3/4		3/4		3/4		3/4		3/4	
7	1,665.07	7	1,277.38	7	889.70	7	516.68	7	129.63	7		7		7		7		7	
1/4	1,656.99	1/4	1,269.31	1/4	881.78	1/4	508.76	1/4	121.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,648.91	1/2	1,261.23	1/2	873.86	1/2	500.83	1/2	113.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,640.84	3/4	1,253.15	3/4	865.93	3/4	492.91	3/4	105.40	3/4		3/4		3/4		3/4		3/4	
8	1,632.76	8	1,245.08	8	858.01	8	484.99	8	97.32	8		8		8		8		8	
1/4	1,624.68	1/4	1,237.00	1/4	850.25	1/4	476.91	1/4	89.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,616.61	1/2	1,228.92	1/2	842.48	1/2	468.83	1/2	81.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,608.53	3/4	1,220.85	3/4	834.72	3/4	460.76	3/4	73.09	3/4		3/4		3/4		3/4		3/4	
9	1,600.45	9	1,212.77	9	826.96	9	452.68	9	65.01	9		9		9		9		9	
1/4	1,592.38	1/4	1,204.69	1/4	819.21	1/4	444.60	1/4	57.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,584.30	1/2	1,196.62	1/2	811.45	1/2	436.53	1/2	50.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,576.22	3/4	1,188.54	3/4	803.70	3/4	428.45	3/4	43.81	3/4		3/4		3/4		3/4		3/4	
10	1,568.15	10	1,180.46	10	795.94	10	420.38	10	36.74	10		10		10		10		10	
1/4	1,560.07	1/4	1,172.39	1/4	788.19	1/4	412.30	1/4	31.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,551.99	1/2	1,164.31	1/2	780.43	1/2	404.22	1/2	26.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,543.92	3/4	1,156.23	3/4	772.68	3/4	396.15	3/4	21.60	3/4		3/4		3/4		3/4		3/4	
11	1,535.84	11	1,148.16	11	764.92	11	388.07	11	16.55	11		11		11		11		11	
1/4	1,527.76	1/4	1,140.08	1/4	757.17	1/4	379.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,519.69	1/2	1,132.00	1/2	749.41	1/2	371.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,511.61	3/4	1,123.93	3/4	741.66	3/4	363.84	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
REPRINTED: 01/31/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2014

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



# BARGE "EMS 365"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	5,215.93	0	4,892.74	0	4,568.09	0	4,218.23	0	3,844.23	0	3,456.63	0	3,068.95	0	2,681.26	0	2,293.58
1/4	1/4	5,210.35	4,886.20	4,561.06	4,210.67	3,836.18	3,448.55	3,060.87	2,673.19	2,285.51									
1/2	1/2	5,204.77	4,879.66	4,554.02	4,203.12	3,828.12	3,440.47	3,052.79	2,665.11	2,277.43									
3/4	3/4	5,199.19	4,873.12	4,546.99	4,195.56	3,820.06	3,432.40	3,044.72	2,657.03	2,269.35									
1	1	5,193.60	4,866.57	4,539.96	4,188.00	3,812.00	3,424.32	3,036.64	2,648.96	2,261.28									
1/4	1/4	5,186.00	4,859.99	4,532.88	4,180.40	3,803.92	3,416.24	3,028.56	2,640.88	2,253.20									
1/2	1/2	5,178.40	4,853.42	4,525.81	4,172.79	3,795.85	3,408.17	3,020.48	2,632.80	2,245.12									
3/4	3/4	5,170.80	4,846.84	4,518.74	4,165.19	3,787.77	3,400.09	3,012.41	2,624.73	2,237.05									
2	2	5,163.19	4,840.26	4,511.67	4,157.58	3,779.69	3,392.01	3,004.33	2,616.65	2,228.97									
1/4	1/4	5,155.59	4,833.63	4,504.55	4,149.94	3,771.62	3,383.94	2,996.25	2,608.57	2,220.89									
1/2	1/2	5,147.99	4,827.00	4,497.43	4,142.31	3,763.54	3,375.86	2,988.18	2,600.50	2,212.81									
3/4	3/4	5,140.39	4,820.37	4,490.32	4,134.67	3,755.46	3,367.78	2,980.10	2,592.42	2,204.74									
3	3	5,132.79	4,813.75	4,483.20	4,127.03	3,747.39	3,359.71	2,972.02	2,584.34	2,196.66									
1/4	1/4	5,125.18	4,807.08	4,476.00	4,119.34	3,739.31	3,351.63	2,963.95	2,576.27	2,188.58									
1/2	1/2	5,117.58	4,800.42	4,468.81	4,111.65	3,731.23	3,343.55	2,955.87	2,568.19	2,180.51									
3/4	3/4	5,109.98	4,793.76	4,461.61	4,103.97	3,723.16	3,335.48	2,947.79	2,560.11	2,172.43									
4	4	5,102.38	4,787.10	4,454.42	4,096.28	3,715.08	3,327.40	2,939.72	2,552.04	2,164.35									
1/4	1/4	5,094.82	4,780.38	4,447.18	4,088.55	3,707.00	3,319.32	2,931.64	2,543.96	2,156.28									
1/2	1/2	5,087.25	4,773.67	4,439.93	4,080.81	3,698.93	3,311.25	2,923.56	2,535.88	2,148.20									
3/4	3/4	5,079.69	4,766.96	4,432.69	4,073.08	3,690.85	3,303.17	2,915.49	2,527.81	2,140.12									
5	5	5,072.13	4,760.24	4,425.45	4,065.35	3,682.77	3,295.09	2,907.41	2,519.73	2,132.05									
1/4	1/4	5,064.57	4,753.50	4,418.17	4,057.58	3,674.70	3,287.02	2,899.33	2,511.65	2,123.97									
1/2	1/2	5,057.01	4,746.75	4,410.89	4,049.81	3,666.62	3,278.94	2,891.26	2,503.58	2,115.89									
3/4	3/4	5,049.45	4,740.00	4,403.61	4,042.04	3,658.54	3,270.86	2,883.18	2,495.50	2,107.82									
6	6	5,041.88	4,733.26	4,396.33	4,034.27	3,650.47	3,262.79	2,875.10	2,487.42	2,099.74									
1/4	1/4	5,034.32	4,726.48	4,389.00	4,026.45	3,642.39	3,254.71	2,867.03	2,479.35	2,091.66									
1/2	1/2	5,026.76	4,719.71	4,381.68	4,018.63	3,634.31	3,246.63	2,858.95	2,471.27	2,083.59									
3/4	3/4	5,019.20	4,712.94	4,374.35	4,010.81	3,626.24	3,238.56	2,850.87	2,463.19	2,075.51									
7	7	5,011.64	4,706.17	4,367.02	4,003.00	3,618.16	3,230.48	2,842.80	2,455.12	2,067.43									
1/4	1/4	5,005.77	4,699.35	4,359.66	3,995.14	3,610.08	3,222.40	2,834.72	2,447.04	2,059.36									
1/2	1/2	4,999.91	4,692.53	4,352.29	3,987.29	3,602.01	3,214.33	2,826.64	2,438.96	2,051.28									
3/4	3/4	4,994.04	4,685.71	4,344.93	3,979.43	3,593.93	3,206.25	2,818.57	2,430.89	2,043.20									
8	8	4,988.18	4,678.89	4,337.57	3,971.58	3,585.85	3,198.17	2,810.49	2,422.81	2,035.13									
1/4	1/4	4,982.28	4,672.03	4,330.17	3,963.68	3,577.78	3,190.10	2,802.41	2,414.73	2,027.05									
1/2	1/2	4,976.37	4,665.18	4,322.77	3,955.77	3,569.70	3,182.02	2,794.34	2,406.66	2,018.97									
3/4	3/4	4,970.47	4,658.32	4,315.37	3,947.87	3,561.62	3,173.94	2,786.26	2,398.58	2,010.90									
9	9	4,964.57	4,651.47	4,307.97	3,939.96	3,553.55	3,165.87	2,778.18	2,390.50	2,002.82									
1/4	1/4	4,958.62	4,644.56	4,300.53	3,932.03	3,545.47	3,157.79	2,770.11	2,382.43	1,994.74									
1/2	1/2	4,952.67	4,637.66	4,293.08	3,924.09	3,537.39	3,149.71	2,762.03	2,374.35	1,986.67									
3/4	3/4	4,946.72	4,630.76	4,285.63	3,916.15	3,529.32	3,141.64	2,753.95	2,366.27	1,978.59									
10	10	4,940.77	4,623.85	4,278.19	3,908.21	3,521.24	3,133.56	2,745.88	2,358.20	1,970.51									
1/4	1/4	4,934.82	4,616.91	4,270.72	3,900.24	3,513.16	3,125.48	2,737.80	2,350.12	1,962.44									
1/2	1/2	4,928.80	4,609.97	4,263.25	3,892.27	3,505.09	3,117.41	2,729.72	2,342.04	1,954.36									
3/4	3/4	4,922.81	4,603.03	4,255.77	3,884.29	3,497.01	3,109.33	2,721.65	2,333.97	1,946.28									
11	11	4,916.83	4,596.09	4,248.30	3,876.32	3,488.93	3,101.25	2,713.57	2,325.89	1,938.21									
1/4	1/4	4,910.81	4,589.09	4,240.78	3,868.30	3,480.86	3,093.18	2,705.49	2,317.81	1,930.13									
1/2	1/2	4,904.79	4,582.09	4,233.26	3,860.27	3,472.78	3,085.10	2,697.42	2,309.74	1,922.05									
3/4	3/4	4,898.76	4,575.09	4,225.74	3,852.25	3,464.70	3,077.02	2,689.34	2,301.66	1,913.98									

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 OF 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "EMS 365"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	1,905.90	0	1,518.22	0	1,130.54	0	743.08	0	355.76	0		0		0		0		0	
1/4	1,897.82	1/4	1,510.14	1/4	1,122.46	1/4	735.02	1/4	347.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,889.75	1/2	1,502.07	1/2	1,114.38	1/2	726.96	1/2	339.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,881.67	3/4	1,493.99	3/4	1,106.31	3/4	718.90	3/4	331.54	3/4		3/4		3/4		3/4		3/4	
1	1,873.59	1	1,485.91	1	1,098.23	1	710.84	1	323.46	1		1		1		1		1	
1/4	1,865.52	1/4	1,477.84	1/4	1,090.15	1/4	702.78	1/4	315.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,857.44	1/2	1,469.76	1/2	1,082.08	1/2	694.72	1/2	307.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,849.36	3/4	1,461.68	3/4	1,074.00	3/4	686.66	3/4	299.23	3/4		3/4		3/4		3/4		3/4	
2	1,841.29	2	1,453.61	2	1,065.92	2	678.60	2	291.15	2		2		2		2		2	
1/4	1,833.21	1/4	1,445.53	1/4	1,057.85	1/4	670.54	1/4	283.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,825.13	1/2	1,437.45	1/2	1,049.77	1/2	662.48	1/2	275.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,817.06	3/4	1,429.38	3/4	1,041.69	3/4	654.42	3/4	266.92	3/4		3/4		3/4		3/4		3/4	
3	1,808.98	3	1,421.30	3	1,033.62	3	646.36	3	258.85	3		3		3		3		3	
1/4	1,800.90	1/4	1,413.22	1/4	1,025.54	1/4	638.30	1/4	250.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,792.83	1/2	1,405.14	1/2	1,017.46	1/2	630.24	1/2	242.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,784.75	3/4	1,397.07	3/4	1,009.39	3/4	622.18	3/4	234.62	3/4		3/4		3/4		3/4		3/4	
4	1,776.67	4	1,388.99	4	1,001.31	4	614.11	4	226.54	4		4		4		4		4	
1/4	1,768.60	1/4	1,380.91	1/4	993.23	1/4	606.05	1/4	218.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,760.52	1/2	1,372.84	1/2	985.16	1/2	597.99	1/2	210.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,752.44	3/4	1,364.76	3/4	977.08	3/4	589.93	3/4	202.31	3/4		3/4		3/4		3/4		3/4	
5	1,744.37	5	1,356.68	5	969.00	5	581.87	5	194.24	5		5		5		5		5	
1/4	1,736.29	1/4	1,348.61	1/4	960.93	1/4	573.80	1/4	186.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,728.21	1/2	1,340.53	1/2	952.85	1/2	565.73	1/2	178.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,720.14	3/4	1,332.45	3/4	944.77	3/4	557.67	3/4	170.01	3/4		3/4		3/4		3/4		3/4	
6	1,712.06	6	1,324.38	6	936.70	6	549.60	6	161.93	6		6		6		6		6	
1/4	1,703.98	1/4	1,316.30	1/4	928.62	1/4	541.52	1/4	153.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,695.91	1/2	1,308.22	1/2	920.54	1/2	533.45	1/2	145.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,687.83	3/4	1,300.15	3/4	912.47	3/4	525.37	3/4	137.70	3/4		3/4		3/4		3/4		3/4	
7	1,679.75	7	1,292.07	7	904.39	7	517.29	7	129.63	7		7		7		7		7	
1/4	1,671.68	1/4	1,283.99	1/4	896.31	1/4	509.22	1/4	121.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,663.60	1/2	1,275.92	1/2	888.24	1/2	501.14	1/2	113.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,655.52	3/4	1,267.84	3/4	880.16	3/4	493.06	3/4	105.40	3/4		3/4		3/4		3/4		3/4	
8	1,647.45	8	1,259.76	8	872.08	8	484.99	8	97.32	8		8		8		8		8	
1/4	1,639.37	1/4	1,251.69	1/4	864.01	1/4	476.91	1/4	89.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,631.29	1/2	1,243.61	1/2	855.95	1/2	468.83	1/2	81.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,623.22	3/4	1,235.53	3/4	847.88	3/4	460.76	3/4	73.09	3/4		3/4		3/4		3/4		3/4	
9	1,615.14	9	1,227.46	9	839.81	9	452.68	9	65.01	9		9		9		9		9	
1/4	1,607.06	1/4	1,219.38	1/4	831.75	1/4	444.60	1/4	57.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,598.99	1/2	1,211.30	1/2	823.69	1/2	436.53	1/2	50.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,590.91	3/4	1,203.23	3/4	815.63	3/4	428.45	3/4	43.81	3/4		3/4		3/4		3/4		3/4	
10	1,582.83	10	1,195.15	10	807.57	10	420.38	10	36.74	10		10		10		10		10	
1/4	1,574.76	1/4	1,187.07	1/4	799.51	1/4	412.30	1/4	31.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,566.68	1/2	1,179.00	1/2	791.45	1/2	404.22	1/2	26.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,558.60	3/4	1,170.92	3/4	783.38	3/4	396.15	3/4	21.60	3/4		3/4		3/4		3/4		3/4	
11	1,550.53	11	1,162.84	11	775.32	11	388.07	11	16.55	11		11		11		11		11	
1/4	1,542.45	1/4	1,154.77	1/4	767.26	1/4	379.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,534.37	1/2	1,146.69	1/2	759.20	1/2	371.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,526.30	3/4	1,138.61	3/4	751.14	3/4	363.84	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
REPRINTED: 01/31/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2014

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



# BARGE "EMS 365"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	IN	OUT
0		0	4,480.51	0	4,232.27	0	4,014.00	0	3,772.66	0	3,508.17	0	3,199.61	0	2,839.70	0	2,479.39	0	2,118.75		
1/4	1/4	1/4	4,474.91	1/4	4,227.93	1/4	4,009.21	1/4	3,767.39	1/4	3,502.39	1/4	3,192.12	1/4	2,832.20	1/4	2,471.88	1/4	2,111.23		
1/2	1/2	1/2	4,469.30	1/2	4,223.59	1/2	4,004.41	1/2	3,762.11	1/2	3,496.62	1/2	3,184.62	1/2	2,824.69	1/2	2,464.36	1/2	2,103.72		
3/4	3/4	3/4	4,463.69	3/4	4,219.25	3/4	3,999.61	3/4	3,756.83	3/4	3,490.84	3/4	3,177.13	3/4	2,817.19	3/4	2,456.85	3/4	2,096.21		
1	1	1	4,458.09	1	4,214.91	1	3,994.81	1	3,751.56	1	3,485.07	1	3,169.64	1	2,809.69	1	2,449.34	1	2,088.69		
1/4	1/4	1/4	4,451.47	1/4	4,210.53	1/4	3,989.98	1/4	3,746.24	1/4	3,479.28	1/4	3,162.14	1/4	2,802.18	1/4	2,441.82	1/4	2,081.18		
1/2	1/2	1/2	4,444.85	1/2	4,206.16	1/2	3,985.15	1/2	3,740.92	1/2	3,473.48	1/2	3,154.65	1/2	2,794.68	1/2	2,434.31	1/2	2,073.67		
3/4	3/4	3/4	4,438.23	3/4	4,201.78	3/4	3,980.31	3/4	3,735.59	3/4	3,467.69	3/4	3,147.15	3/4	2,787.17	3/4	2,426.80	3/4	2,066.15		
2	2	2	4,431.61	2	4,197.41	2	3,975.48	2	3,730.27	2	3,461.90	2	3,139.66	2	2,779.67	2	2,419.28	2	2,058.64		
1/4	1/4	1/4	4,425.85	1/4	4,192.99	1/4	3,970.61	1/4	3,724.92	1/4	3,456.10	1/4	3,132.17	1/4	2,772.17	1/4	2,411.77	1/4	2,051.13		
1/2	1/2	1/2	4,420.09	1/2	4,188.57	1/2	3,965.73	1/2	3,719.57	1/2	3,450.31	1/2	3,124.67	1/2	2,764.66	1/2	2,404.26	1/2	2,043.61		
3/4	3/4	3/4	4,414.34	3/4	4,184.15	3/4	3,960.86	3/4	3,714.21	3/4	3,444.52	3/4	3,117.18	3/4	2,757.16	3/4	2,396.74	3/4	2,036.10		
3	3	3	4,408.58	3	4,179.73	3	3,955.98	3	3,708.86	3	3,438.73	3	3,109.69	3	2,749.65	3	2,389.23	3	2,028.59		
1/4	1/4	1/4	4,402.82	1/4	4,175.28	1/4	3,951.04	1/4	3,703.47	1/4	3,432.93	1/4	3,102.19	1/4	2,742.15	1/4	2,381.72	1/4	2,021.07		
1/2	1/2	1/2	4,397.06	1/2	4,170.82	1/2	3,946.10	1/2	3,698.07	1/2	3,427.14	1/2	3,094.70	1/2	2,734.64	1/2	2,374.20	1/2	2,013.56		
3/4	3/4	3/4	4,391.30	3/4	4,166.37	3/4	3,941.17	3/4	3,692.67	3/4	3,421.35	3/4	3,087.21	3/4	2,727.14	3/4	2,366.69	3/4	2,006.05		
4	4	4	4,385.55	4	4,161.92	4	3,936.23	4	3,687.28	4	3,415.55	4	3,079.71	4	2,719.64	4	2,359.18	4	1,998.53		
1/4	1/4	1/4	4,379.82	1/4	4,157.42	1/4	3,931.25	1/4	3,681.84	1/4	3,409.77	1/4	3,072.22	1/4	2,712.13	1/4	2,351.66	1/4	1,991.02		
1/2	1/2	1/2	4,374.09	1/2	4,152.92	1/2	3,926.26	1/2	3,676.40	1/2	3,403.99	1/2	3,064.72	1/2	2,704.63	1/2	2,344.15	1/2	1,983.51		
3/4	3/4	3/4	4,368.36	3/4	4,148.42	3/4	3,921.28	3/4	3,670.96	3/4	3,398.21	3/4	3,057.23	3/4	2,697.12	3/4	2,336.64	3/4	1,975.99		
5	5	5	4,362.63	5	4,143.92	5	3,916.30	5	3,665.53	5	3,392.42	5	3,049.74	5	2,689.62	5	2,329.12	5	1,968.48		
1/4	1/4	1/4	4,356.90	1/4	4,139.39	1/4	3,911.28	1/4	3,660.05	1/4	3,386.64	1/4	3,042.24	1/4	2,682.11	1/4	2,321.61	1/4	1,960.97		
1/2	1/2	1/2	4,351.17	1/2	4,134.86	1/2	3,906.27	1/2	3,654.58	1/2	3,380.86	1/2	3,034.75	1/2	2,674.61	1/2	2,314.10	1/2	1,953.45		
3/4	3/4	3/4	4,345.44	3/4	4,130.33	3/4	3,901.25	3/4	3,649.11	3/4	3,375.07	3/4	3,027.26	3/4	2,667.11	3/4	2,306.58	3/4	1,945.94		
6	6	6	4,339.71	6	4,125.80	6	3,896.24	6	3,643.63	6	3,369.29	6	3,019.76	6	2,659.60	6	2,299.07	6	1,938.43		
1/4	1/4	1/4	4,333.98	1/4	4,121.24	1/4	3,891.17	1/4	3,638.08	1/4	3,363.51	1/4	3,012.27	1/4	2,652.10	1/4	2,291.56	1/4	1,930.91		
1/2	1/2	1/2	4,328.25	1/2	4,116.69	1/2	3,886.11	1/2	3,632.53	1/2	3,357.73	1/2	3,004.77	1/2	2,644.59	1/2	2,284.04	1/2	1,923.40		
3/4	3/4	3/4	4,322.52	3/4	4,112.13	3/4	3,881.05	3/4	3,626.98	3/4	3,351.94	3/4	2,997.28	3/4	2,637.09	3/4	2,276.53	3/4	1,915.89		
7	7	7	4,316.79	7	4,107.57	7	3,875.99	7	3,621.43	7	3,346.16	7	2,989.79	7	2,629.59	7	2,269.02	7	1,908.37		
1/4	1/4	1/4	4,312.64	1/4	4,102.97	1/4	3,870.89	1/4	3,615.84	1/4	3,339.52	1/4	2,982.28	1/4	2,622.08	1/4	2,261.50	1/4	1,900.86		
1/2	1/2	1/2	4,308.48	1/2	4,098.37	1/2	3,865.80	1/2	3,610.26	1/2	3,332.87	1/2	2,974.78	1/2	2,614.58	1/2	2,253.99	1/2	1,893.35		
3/4	3/4	3/4	4,304.33	3/4	4,093.77	3/4	3,860.71	3/4	3,604.67	3/4	3,326.23	3/4	2,967.27	3/4	2,607.07	3/4	2,246.48	3/4	1,885.83		
8	8	8	4,300.18	8	4,089.17	8	3,855.61	8	3,599.09	8	3,319.58	8	2,959.77	8	2,599.57	8	2,238.96	8	1,878.32		
1/4	1/4	1/4	4,295.99	1/4	4,084.54	1/4	3,850.49	1/4	3,593.46	1/4	3,312.08	1/4	2,952.27	1/4	2,592.06	1/4	2,231.45	1/4	1,870.83		
1/2	1/2	1/2	4,291.81	1/2	4,079.90	1/2	3,845.36	1/2	3,587.83	1/2	3,304.58	1/2	2,944.76	1/2	2,584.56	1/2	2,223.94	1/2	1,863.34		
3/4	3/4	3/4	4,287.62	3/4	4,075.27	3/4	3,840.23	3/4	3,582.20	3/4	3,297.07	3/4	2,937.26	3/4	2,577.06	3/4	2,216.42	3/4	1,855.85		
9	9	9	4,283.44	9	4,070.63	9	3,835.10	9	3,576.56	9	3,289.57	9	2,929.75	9	2,569.55	9	2,208.91	9	1,848.36		
1/4	1/4	1/4	4,279.21	1/4	4,065.96	1/4	3,829.93	1/4	3,570.90	1/4	3,282.07	1/4	2,922.25	1/4	2,562.04	1/4	2,201.40	1/4	1,840.87		
1/2	1/2	1/2	4,274.97	1/2	4,061.28	1/2	3,824.76	1/2	3,565.24	1/2	3,274.57	1/2	2,914.75	1/2	2,554.53	1/2	2,193.88	1/2	1,833.38		
3/4	3/4	3/4	4,270.74	3/4	4,056.60	3/4	3,819.59	3/4	3,559.58	3/4	3,267.06	3/4	2,907.24	3/4	2,547.01	3/4	2,186.37	3/4	1,825.89		
10	10	10	4,266.51	10	4,051.92	10	3,814.42	10	3,553.92	10	3,259.56	10	2,899.74	10	2,539.50	10	2,178.86	10	1,818.40		
1/4	1/4	1/4	4,262.25	1/4	4,047.21	1/4	3,809.22	1/4	3,548.22	1/4	3,252.07	1/4	2,892.23	1/4	2,531.98	1/4	2,171.34	1/4	1,810.91		
1/2	1/2	1/2	4,257.99	1/2	4,042.50	1/2	3,804.02	1/2	3,542.52	1/2	3,244.57	1/2	2,884.73	1/2	2,524.47	1/2	2,163.83	1/2	1,803.42		
3/4	3/4	3/4	4,253.72	3/4	4,037.78	3/4	3,798.82	3/4	3,536.82	3/4	3,237.08	3/4	2,877.22	3/4	2,516.96	3/4	2,156.31	3/4	1,795.93		
11	11	11	4,249.46	11	4,033.07	11	3,793.63	11	3,531.13	11	3,229.59	11	2,869.72	11	2,509.44	11	2,148.80	11	1,788.44		
1/4	1/4	1/4	4,245.16	1/4	4,028.30	1/4	3,788.39	1/4	3,525.39	1/4	3,222.09	1/4	2,862.22	1/4	2,501.93	1/4	2,141.29	1/4	1,780.95		
1/2	1/2	1/2	4,240.86	1/2	4,023.54	1/2	3,783.14	1/2	3,519.65	1/2	3,214.60	1/2	2,854.71	1/2	2,494.42	1/2	2,133.77	1/2	1,773.46		
3/4	3/4	3/4	4,236.57	3/4	4,018.77	3/4	3,777.90	3/4	3,513.91	3/4	3,207.10	3/4	2,847.21	3/4	2,486.90	3/4	2,126.26	3/4	1,765.97		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "EMS 365"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	1,758.48	0	1,398.65	0	1,038.17	0	682.85	0	331.09	0		0		0		0		0	
1/4	1,750.99	1/4	1,391.14	1/4	1,030.66	1/4	675.64	1/4	323.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,743.50	1/2	1,383.63	1/2	1,023.15	1/2	668.43	1/2	316.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,736.01	3/4	1,376.12	3/4	1,015.64	3/4	661.21	3/4	308.54	3/4		3/4		3/4		3/4		3/4	
1	1,728.53	1	1,368.61	1	1,008.13	1	654.00	1	301.03	1		1		1		1		1	
1/4	1,721.04	1/4	1,361.10	1/4	1,000.62	1/4	646.79	1/4	293.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,713.55	1/2	1,353.59	1/2	993.11	1/2	639.57	1/2	286.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,706.06	3/4	1,346.08	3/4	985.60	3/4	632.36	3/4	278.48	3/4		3/4		3/4		3/4		3/4	
2	1,698.57	2	1,338.57	2	978.09	2	625.15	2	270.96	2		2		2		2		2	
1/4	1,691.08	1/4	1,331.06	1/4	970.58	1/4	617.94	1/4	263.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,683.59	1/2	1,323.55	1/2	963.07	1/2	610.72	1/2	255.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,676.10	3/4	1,316.04	3/4	955.56	3/4	603.51	3/4	248.42	3/4		3/4		3/4		3/4		3/4	
3	1,668.61	3	1,308.53	3	948.05	3	596.30	3	240.90	3		3		3		3		3	
1/4	1,661.12	1/4	1,301.02	1/4	940.54	1/4	589.09	1/4	233.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,653.63	1/2	1,293.51	1/2	933.03	1/2	581.87	1/2	225.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,646.14	3/4	1,286.00	3/4	925.52	3/4	574.66	3/4	218.36	3/4		3/4		3/4		3/4		3/4	
4	1,638.65	4	1,278.49	4	918.01	4	567.45	4	210.84	4		4		4		4		4	
1/4	1,631.16	1/4	1,270.98	1/4	910.50	1/4	560.23	1/4	203.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,623.67	1/2	1,263.47	1/2	902.99	1/2	553.02	1/2	195.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,616.18	3/4	1,255.96	3/4	895.48	3/4	545.81	3/4	188.29	3/4		3/4		3/4		3/4		3/4	
5	1,608.69	5	1,248.45	5	887.97	5	538.59	5	180.78	5		5		5		5		5	
1/4	1,601.20	1/4	1,240.94	1/4	880.46	1/4	531.37	1/4	173.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,593.71	1/2	1,233.43	1/2	872.94	1/2	524.15	1/2	165.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,586.22	3/4	1,225.92	3/4	865.43	3/4	516.93	3/4	158.23	3/4		3/4		3/4		3/4		3/4	
6	1,578.73	6	1,218.41	6	857.92	6	509.71	6	150.71	6		6		6		6		6	
1/4	1,571.24	1/4	1,210.90	1/4	850.41	1/4	502.48	1/4	143.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,563.75	1/2	1,203.39	1/2	842.90	1/2	495.26	1/2	135.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,556.26	3/4	1,195.88	3/4	835.39	3/4	488.03	3/4	128.17	3/4		3/4		3/4		3/4		3/4	
7	1,548.77	7	1,188.37	7	827.88	7	480.80	7	120.65	7		7		7		7		7	
1/4	1,541.28	1/4	1,180.86	1/4	820.51	1/4	473.43	1/4	113.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,533.79	1/2	1,173.35	1/2	813.13	1/2	466.07	1/2	105.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,526.30	3/4	1,165.84	3/4	805.76	3/4	458.70	3/4	98.11	3/4		3/4		3/4		3/4		3/4	
8	1,518.81	8	1,158.33	8	798.38	8	451.34	8	90.59	8		8		8		8		8	
1/4	1,511.30	1/4	1,150.82	1/4	791.15	1/4	443.82	1/4	83.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,503.79	1/2	1,143.31	1/2	783.92	1/2	436.31	1/2	75.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,496.28	3/4	1,135.80	3/4	776.69	3/4	428.79	3/4	68.04	3/4		3/4		3/4		3/4		3/4	
9	1,488.77	9	1,128.29	9	769.46	9	421.28	9	60.53	9		9		9		9		9	
1/4	1,481.26	1/4	1,120.78	1/4	762.23	1/4	413.76	1/4	53.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,473.75	1/2	1,113.27	1/2	755.01	1/2	406.25	1/2	47.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,466.24	3/4	1,105.76	3/4	747.78	3/4	398.73	3/4	40.80	3/4		3/4		3/4		3/4		3/4	
10	1,458.73	10	1,098.25	10	740.56	10	391.21	10	34.22	10		10		10		10		10	
1/4	1,451.22	1/4	1,090.74	1/4	733.35	1/4	383.70	1/4	29.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,443.71	1/2	1,083.23	1/2	726.13	1/2	376.18	1/2	24.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,436.20	3/4	1,075.72	3/4	718.92	3/4	368.67	3/4	20.13	3/4		3/4		3/4		3/4		3/4	
11	1,428.69	11	1,068.21	11	711.71	11	361.15	11	15.43	11		11		11		11		11	
1/4	1,421.18	1/4	1,060.70	1/4	704.49	1/4	353.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,413.67	1/2	1,053.19	1/2	697.28	1/2	346.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,406.16	3/4	1,045.68	3/4	690.07	3/4	338.60	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
REPRINTED: 01/31/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2014

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





# BARGE "EMS 365"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	IN	OUT
0		0	4,489.18	0	4,238.16	0	4,016.49	0	3,772.84	0	3,507.17	0	3,198.13	0	2,837.83	0	2,477.65	0	2,117.61		
1/4	1/4	4,483.54	1/4	4,233.75	1/4	4,011.62	1/4	3,767.52	1/4	3,501.39	1/4	3,190.62	1/4	2,830.32	1/4	2,470.16	1/4	2,110.10			
1/2	1/2	4,477.90	1/2	4,229.34	1/2	4,006.76	1/2	3,762.20	1/2	3,495.61	1/2	3,183.11	1/2	2,822.82	1/2	2,462.66	1/2	2,102.59			
3/4	3/4	4,472.26	3/4	4,224.94	3/4	4,001.89	3/4	3,756.88	3/4	3,489.83	3/4	3,175.60	3/4	2,815.31	3/4	2,455.17	3/4	2,095.09			
1	1	4,466.62	1	4,220.53	1	3,997.03	1	3,751.55	1	3,484.05	1	3,168.09	1	2,807.80	1	2,447.68	1	2,087.58			
1/4	1/4	4,459.96	1/4	4,216.09	1/4	3,992.13	1/4	3,746.18	1/4	3,478.26	1/4	3,160.59	1/4	2,800.30	1/4	2,440.19	1/4	2,080.07			
1/2	1/2	4,453.30	1/2	4,211.64	1/2	3,987.23	1/2	3,740.81	1/2	3,472.46	1/2	3,153.08	1/2	2,792.79	1/2	2,432.69	1/2	2,072.56			
3/4	3/4	4,446.64	3/4	4,207.20	3/4	3,982.33	3/4	3,735.45	3/4	3,466.66	3/4	3,145.57	3/4	2,785.29	3/4	2,425.20	3/4	2,065.05			
2	2	4,439.98	2	4,202.76	2	3,977.43	2	3,730.08	2	3,460.86	2	3,138.07	2	2,777.78	2	2,417.71	2	2,057.54			
1/4	1/4	4,434.18	1/4	4,198.27	1/4	3,972.48	1/4	3,724.68	1/4	3,455.07	1/4	3,130.56	1/4	2,770.27	1/4	2,410.22	1/4	2,050.03			
1/2	1/2	4,428.39	1/2	4,193.78	1/2	3,967.54	1/2	3,719.27	1/2	3,449.27	1/2	3,123.06	1/2	2,762.77	1/2	2,402.72	1/2	2,042.52			
3/4	3/4	4,422.59	3/4	4,189.30	3/4	3,962.60	3/4	3,713.87	3/4	3,443.47	3/4	3,115.55	3/4	2,755.26	3/4	2,395.23	3/4	2,035.01			
3	3	4,416.79	3	4,184.81	3	3,957.65	3	3,708.47	3	3,437.67	3	3,108.04	3	2,747.76	3	2,387.74	3	2,027.50			
1/4	1/4	4,410.99	1/4	4,180.29	1/4	3,952.68	1/4	3,703.04	1/4	3,431.88	1/4	3,100.54	1/4	2,740.25	1/4	2,380.25	1/4	2,019.99			
1/2	1/2	4,405.20	1/2	4,175.77	1/2	3,947.70	1/2	3,697.60	1/2	3,426.08	1/2	3,093.03	1/2	2,732.74	1/2	2,372.76	1/2	2,012.49			
3/4	3/4	4,399.40	3/4	4,171.25	3/4	3,942.72	3/4	3,692.17	3/4	3,420.28	3/4	3,085.53	3/4	2,725.24	3/4	2,365.26	3/4	2,004.98			
4	4	4,393.60	4	4,166.73	4	3,937.74	4	3,686.73	4	3,414.48	4	3,078.02	4	2,717.73	4	2,357.77	4	1,997.47			
1/4	1/4	4,387.80	1/4	4,162.16	1/4	3,932.72	1/4	3,681.26	1/4	3,408.69	1/4	3,070.51	1/4	2,710.23	1/4	2,350.28	1/4	1,989.96			
1/2	1/2	4,382.01	1/2	4,157.59	1/2	3,927.70	1/2	3,675.78	1/2	3,402.89	1/2	3,063.01	1/2	2,702.72	1/2	2,342.79	1/2	1,982.45			
3/4	3/4	4,376.21	3/4	4,153.03	3/4	3,922.68	3/4	3,670.30	3/4	3,397.09	3/4	3,055.50	3/4	2,695.21	3/4	2,335.29	3/4	1,974.94			
5	5	4,370.41	5	4,148.46	5	3,917.66	5	3,664.82	5	3,391.29	5	3,048.00	5	2,687.71	5	2,327.80	5	1,967.43			
1/4	1/4	4,364.61	1/4	4,143.86	1/4	3,912.60	1/4	3,659.31	1/4	3,385.50	1/4	3,040.49	1/4	2,680.20	1/4	2,320.31	1/4	1,959.92			
1/2	1/2	4,358.82	1/2	4,139.26	1/2	3,907.54	1/2	3,653.80	1/2	3,379.70	1/2	3,032.98	1/2	2,672.70	1/2	2,312.82	1/2	1,952.41			
3/4	3/4	4,353.02	3/4	4,134.67	3/4	3,902.49	3/4	3,648.28	3/4	3,373.90	3/4	3,025.48	3/4	2,665.19	3/4	2,305.32	3/4	1,944.90			
6	6	4,347.22	6	4,130.07	6	3,897.43	6	3,642.77	6	3,368.10	6	3,017.97	6	2,657.68	6	2,297.83	6	1,937.39			
1/4	1/4	4,341.42	1/4	4,125.44	1/4	3,892.33	1/4	3,637.22	1/4	3,362.31	1/4	3,010.47	1/4	2,650.18	1/4	2,290.32	1/4	1,929.89			
1/2	1/2	4,335.63	1/2	4,120.80	1/2	3,887.23	1/2	3,631.66	1/2	3,356.51	1/2	3,002.96	1/2	2,642.67	1/2	2,282.81	1/2	1,922.38			
3/4	3/4	4,329.83	3/4	4,116.17	3/4	3,882.13	3/4	3,626.10	3/4	3,350.71	3/4	2,995.45	3/4	2,635.17	3/4	2,275.30	3/4	1,914.87			
7	7	4,324.03	7	4,111.54	7	3,877.03	7	3,620.55	7	3,344.91	7	2,989.95	7	2,627.66	7	2,267.79	7	1,907.36			
1/4	1/4	4,319.81	1/4	4,106.86	1/4	3,871.89	1/4	3,614.95	1/4	3,338.25	1/4	2,980.44	1/4	2,620.15	1/4	2,260.29	1/4	1,899.85			
1/2	1/2	4,315.59	1/2	4,102.19	1/2	3,866.76	1/2	3,609.36	1/2	3,331.59	1/2	2,972.94	1/2	2,612.65	1/2	2,252.78	1/2	1,892.34			
3/4	3/4	4,311.37	3/4	4,097.51	3/4	3,861.63	3/4	3,603.77	3/4	3,324.94	3/4	2,965.43	3/4	2,605.14	3/4	2,245.27	3/4	1,884.83			
8	8	4,307.15	8	4,092.84	8	3,856.49	8	3,598.18	8	3,318.28	8	2,957.92	8	2,597.64	8	2,237.76	8	1,877.32			
1/4	1/4	4,302.90	1/4	4,088.13	1/4	3,851.33	1/4	3,592.55	1/4	3,310.77	1/4	2,950.42	1/4	2,590.13	1/4	2,230.25	1/4	1,869.81			
1/2	1/2	4,298.65	1/2	4,083.41	1/2	3,846.16	1/2	3,586.91	1/2	3,303.26	1/2	2,942.91	1/2	2,582.62	1/2	2,222.74	1/2	1,862.30			
3/4	3/4	4,294.39	3/4	4,078.70	3/4	3,840.99	3/4	3,581.27	3/4	3,295.75	3/4	2,935.41	3/4	2,575.12	3/4	2,215.23	3/4	1,854.79			
9	9	4,290.14	9	4,073.99	9	3,835.82	9	3,575.64	9	3,288.24	9	2,927.90	9	2,567.61	9	2,207.72	9	1,847.29			
1/4	1/4	4,285.84	1/4	4,069.24	1/4	3,830.61	1/4	3,569.97	1/4	3,280.73	1/4	2,920.39	1/4	2,560.11	1/4	2,200.21	1/4	1,839.78			
1/2	1/2	4,281.54	1/2	4,064.49	1/2	3,825.40	1/2	3,564.30	1/2	3,273.22	1/2	2,912.89	1/2	2,552.60	1/2	2,192.70	1/2	1,832.27			
3/4	3/4	4,277.24	3/4	4,059.73	3/4	3,820.19	3/4	3,558.63	3/4	3,265.71	3/4	2,905.38	3/4	2,545.09	3/4	2,185.19	3/4	1,824.76			
10	10	4,272.94	10	4,054.98	10	3,814.98	10	3,552.97	10	3,258.20	10	2,897.88	10	2,537.59	10	2,177.69	10	1,817.25			
1/4	1/4	4,268.61	1/4	4,050.19	1/4	3,809.74	1/4	3,547.26	1/4	3,250.69	1/4	2,890.37	1/4	2,530.10	1/4	2,170.18	1/4	1,809.74			
1/2	1/2	4,264.28	1/2	4,045.40	1/2	3,804.49	1/2	3,541.56	1/2	3,243.18	1/2	2,882.86	1/2	2,522.60	1/2	2,162.67	1/2	1,802.23			
3/4	3/4	4,259.95	3/4	4,040.61	3/4	3,799.25	3/4	3,535.86	3/4	3,235.67	3/4	2,875.36	3/4	2,515.11	3/4	2,155.16	3/4	1,794.72			
11	11	4,255.62	11	4,035.83	11	3,794.00	11	3,530.15	11	3,228.17	11	2,867.85	11	2,507.62	11	2,147.65	11	1,787.21			
1/4	1/4	4,251.26	1/4	4,030.99	1/4	3,788.71	1/4	3,524.41	1/4	3,220.66	1/4	2,860.35	1/4	2,500.13	1/4	2,140.14	1/4	1,779.76			
1/2	1/2	4,246.89	1/2	4,026.16	1/2	3,783.42	1/2	3,518.66	1/2	3,213.15	1/2	2,852.84	1/2	2,492.63	1/2	2,132.63	1/2	1,772.31			
3/4	3/4	4,242.53	3/4	4,021.32	3/4	3,778.13	3/4	3,512.92	3/4	3,205.64	3/4	2,845.33	3/4	2,485.14	3/4	2,125.12	3/4	1,764.86			

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 52'-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 "EMS 365"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 365"

GAUGE HEIGHT 14'-11"

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	1,757.40	0	1,399.48	0	1,039.05	0	683.37	0	330.86	0		0		0		0		0	
1/4	1,749.95	1/4	1,391.97	1/4	1,031.54	1/4	676.13	1/4	323.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,742.50	1/2	1,384.46	1/2	1,024.03	1/2	668.89	1/2	315.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.05	3/4	1,376.95	3/4	1,016.52	3/4	661.65	3/4	308.33	3/4		3/4		3/4		3/4		3/4	
1	1,727.60	1	1,369.44	1	1,009.01	1	654.40	1	300.82	1		1		1		1		1	
1/4	1,720.14	1/4	1,361.94	1/4	1,001.50	1/4	647.16	1/4	293.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,712.69	1/2	1,354.43	1/2	993.99	1/2	639.92	1/2	285.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,705.24	3/4	1,346.92	3/4	986.49	3/4	632.68	3/4	278.29	3/4		3/4		3/4		3/4		3/4	
2	1,697.79	2	1,339.41	2	978.98	2	625.44	2	270.79	2		2		2		2		2	
1/4	1,690.34	1/4	1,331.90	1/4	971.47	1/4	618.20	1/4	263.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,682.88	1/2	1,324.39	1/2	963.96	1/2	610.96	1/2	255.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,675.43	3/4	1,316.88	3/4	956.45	3/4	603.72	3/4	248.26	3/4		3/4		3/4		3/4		3/4	
3	1,667.98	3	1,309.37	3	948.94	3	596.48	3	240.75	3		3		3		3		3	
1/4	1,660.53	1/4	1,301.86	1/4	941.43	1/4	589.24	1/4	233.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,653.08	1/2	1,294.35	1/2	933.92	1/2	582.00	1/2	225.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,645.62	3/4	1,286.85	3/4	926.41	3/4	574.76	3/4	218.22	3/4		3/4		3/4		3/4		3/4	
4	1,638.17	4	1,279.34	4	918.90	4	567.51	4	210.72	4		4		4		4		4	
1/4	1,630.72	1/4	1,271.83	1/4	911.40	1/4	560.27	1/4	203.21	1/4		1/4		1/4		1/4		1/4	
1/2	1,623.27	1/2	1,264.32	1/2	903.89	1/2	553.03	1/2	195.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,615.82	3/4	1,256.81	3/4	896.38	3/4	545.79	3/4	188.19	3/4		3/4		3/4		3/4		3/4	
5	1,608.36	5	1,249.30	5	888.87	5	538.55	5	180.68	5		5		5		5		5	
1/4	1,600.91	1/4	1,241.79	1/4	881.36	1/4	531.30	1/4	173.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,593.46	1/2	1,234.28	1/2	873.85	1/2	524.05	1/2	165.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,586.01	3/4	1,226.77	3/4	866.34	3/4	516.80	3/4	158.15	3/4		3/4		3/4		3/4		3/4	
6	1,578.56	6	1,219.26	6	858.83	6	509.56	6	150.64	6		6		6		6		6	
1/4	1,571.10	1/4	1,211.76	1/4	851.32	1/4	502.30	1/4	143.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,563.65	1/2	1,204.25	1/2	843.81	1/2	495.04	1/2	135.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,556.20	3/4	1,196.74	3/4	836.31	3/4	487.78	3/4	128.12	3/4		3/4		3/4		3/4		3/4	
7	1,548.75	7	1,189.23	7	828.80	7	480.53	7	120.61	7		7		7		7		7	
1/4	1,541.30	1/4	1,181.72	1/4	821.41	1/4	473.14	1/4	113.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,533.84	1/2	1,174.21	1/2	814.03	1/2	465.76	1/2	105.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,526.39	3/4	1,166.70	3/4	806.65	3/4	458.38	3/4	98.08	3/4		3/4		3/4		3/4		3/4	
8	1,518.94	8	1,159.19	8	799.26	8	451.00	8	90.57	8		8		8		8		8	
1/4	1,511.49	1/4	1,151.68	1/4	792.02	1/4	443.49	1/4	83.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,504.04	1/2	1,144.17	1/2	784.77	1/2	435.98	1/2	75.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,496.58	3/4	1,136.67	3/4	777.52	3/4	428.47	3/4	68.05	3/4		3/4		3/4		3/4		3/4	
9	1,489.13	9	1,129.16	9	770.27	9	420.96	9	60.54	9		9		9		9		9	
1/4	1,481.68	1/4	1,121.65	1/4	763.03	1/4	413.45	1/4	53.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,474.23	1/2	1,114.14	1/2	755.79	1/2	405.94	1/2	47.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,466.78	3/4	1,106.63	3/4	748.55	3/4	398.44	3/4	40.83	3/4		3/4		3/4		3/4		3/4	
10	1,459.32	10	1,099.12	10	741.30	10	390.93	10	34.26	10		10		10		10		10	
1/4	1,451.87	1/4	1,091.61	1/4	734.06	1/4	383.42	1/4	29.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,444.42	1/2	1,084.10	1/2	726.82	1/2	375.91	1/2	24.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,436.97	3/4	1,076.59	3/4	719.58	3/4	368.40	3/4	20.16	3/4		3/4		3/4		3/4		3/4	
11	1,429.52	11	1,069.08	11	712.34	11	360.89	11	15.45	11		11		11		11		11	
1/4	1,422.01	1/4	1,061.58	1/4	705.10	1/4	353.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,414.50	1/2	1,054.07	1/2	697.85	1/2	345.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,406.99	3/4	1,046.56	3/4	690.61	3/4	338.36	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW  
CALCULATED: 06/17/2008 CL  
REPRINTED: 01/31/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2014

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