



BARGE "KIRBY 27313"

ULLAGE TRIM TABLE
FORMERLY "CTCO 342"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 234'-03"

September 18, 2023

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27313"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 342"

GAUGE HEIGHT 16'-10"

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	2,437.50	0	2,070.55	0	1,709.77	0	1,342.75	0	976.68	0	610.95	0	261.37	0		0		0	
1/4	2,429.86	1/4	2,062.91	1/4	1,702.12	1/4	1,335.11	1/4	969.09	1/4	603.31	1/4	254.64	1/4	1/4		1/4		1/4
1/2	2,422.21	1/2	2,055.27	1/2	1,694.47	1/2	1,327.46	1/2	961.49	1/2	595.66	1/2	247.91	1/2	1/2		1/2		1/2
3/4	2,414.57	3/4	2,047.62	3/4	1,686.83	3/4	1,319.81	3/4	953.90	3/4	588.01	3/4	241.17	3/4	3/4		3/4		3/4
1	2,406.92	1	2,039.98	1	1,679.18	1	1,312.17	1	946.30	1	580.37	1	234.44	1	1		1		1
1/4	2,399.28	1/4	2,032.87	1/4	1,671.54	1/4	1,304.52	1/4	938.71	1/4	572.73	1/4	227.79	1/4	1/4		1/4		1/4
1/2	2,391.63	1/2	2,025.77	1/2	1,663.89	1/2	1,296.88	1/2	931.11	1/2	565.09	1/2	221.14	1/2	1/2		1/2		1/2
3/4	2,383.99	3/4	2,018.67	3/4	1,656.24	3/4	1,289.23	3/4	923.52	3/4	557.46	3/4	214.49	3/4	3/4		3/4		3/4
2	2,376.34	2	2,011.56	2	1,648.60	2	1,281.58	2	915.92	2	549.82	2	207.85	2	2		2		2
1/4	2,368.70	1/4	2,004.64	1/4	1,640.95	1/4	1,273.94	1/4	908.33	1/4	542.22	1/4	201.28	1/4	1/4		1/4		1/4
1/2	2,361.05	1/2	1,997.72	1/2	1,633.30	1/2	1,266.29	1/2	900.73	1/2	534.63	1/2	194.72	1/2	1/2		1/2		1/2
3/4	2,353.41	3/4	1,990.80	3/4	1,625.66	3/4	1,258.65	3/4	893.14	3/4	527.03	3/4	188.16	3/4	3/4		3/4		3/4
3	2,345.76	3	1,983.87	3	1,618.01	3	1,251.00	3	885.54	3	519.44	3	181.60	3	3		3		3
1/4	2,338.12	1/4	1,976.44	1/4	1,610.37	1/4	1,243.35	1/4	877.95	1/4	511.92	1/4	175.13	1/4	1/4		1/4		1/4
1/2	2,330.47	1/2	1,969.00	1/2	1,602.72	1/2	1,235.71	1/2	870.35	1/2	504.41	1/2	168.65	1/2	1/2		1/2		1/2
3/4	2,322.83	3/4	1,961.56	3/4	1,595.07	3/4	1,228.06	3/4	862.76	3/4	496.89	3/4	162.18	3/4	3/4		3/4		3/4
4	2,315.19	4	1,954.12	4	1,587.43	4	1,220.42	4	855.16	4	489.38	4	155.71	4	4		4		4
1/4	2,307.54	1/4	1,946.51	1/4	1,579.78	1/4	1,212.77	1/4	847.57	1/4	481.95	1/4	149.32	1/4	1/4		1/4		1/4
1/2	2,299.90	1/2	1,938.90	1/2	1,572.14	1/2	1,205.12	1/2	839.97	1/2	474.52	1/2	142.94	1/2	1/2		1/2		1/2
3/4	2,292.25	3/4	1,931.29	3/4	1,564.49	3/4	1,197.48	3/4	832.38	3/4	467.09	3/4	136.56	3/4	3/4		3/4		3/4
5	2,284.61	5	1,923.68	5	1,556.84	5	1,189.83	5	824.78	5	459.66	5	130.17	5	5		5		5
1/4	2,276.96	1/4	1,916.07	1/4	1,549.20	1/4	1,182.19	1/4	817.19	1/4	452.32	1/4	123.88	1/4	1/4		1/4		1/4
1/2	2,269.32	1/2	1,908.46	1/2	1,541.55	1/2	1,174.54	1/2	809.59	1/2	444.98	1/2	117.59	1/2	1/2		1/2		1/2
3/4	2,261.67	3/4	1,900.85	3/4	1,533.91	3/4	1,166.89	3/4	802.00	3/4	437.64	3/4	111.31	3/4	3/4		3/4		3/4
6	2,254.03	6	1,893.24	6	1,526.26	6	1,159.25	6	794.40	6	430.29	6	105.02	6	6		6		6
1/4	2,246.38	1/4	1,885.60	1/4	1,518.61	1/4	1,151.62	1/4	786.77	1/4	423.04	1/4	98.82	1/4	1/4		1/4		1/4
1/2	2,238.74	1/2	1,877.96	1/2	1,510.97	1/2	1,144.00	1/2	779.14	1/2	415.78	1/2	92.63	1/2	1/2		1/2		1/2
3/4	2,231.09	3/4	1,870.32	3/4	1,503.32	3/4	1,136.38	3/4	771.50	3/4	408.53	3/4	86.44	3/4	3/4		3/4		3/4
7	2,223.45	7	1,862.69	7	1,495.68	7	1,128.75	7	763.87	7	401.27	7	80.24	7	7		7		7
1/4	2,215.80	1/4	1,855.04	1/4	1,488.03	1/4	1,121.13	1/4	756.22	1/4	394.10	1/4	74.16	1/4	1/4		1/4		1/4
1/2	2,208.16	1/2	1,847.40	1/2	1,480.38	1/2	1,113.52	1/2	748.58	1/2	386.94	1/2	68.07	1/2	1/2		1/2		1/2
3/4	2,200.51	3/4	1,839.75	3/4	1,472.74	3/4	1,105.90	3/4	740.93	3/4	379.77	3/4	61.99	3/4	3/4		3/4		3/4
8	2,192.87	8	1,832.10	8	1,465.09	8	1,098.29	8	733.29	8	372.60	8	55.90	8	8		8		8
1/4	2,185.23	1/4	1,824.46	1/4	1,457.44	1/4	1,090.68	1/4	725.64	1/4	365.52	1/4	50.60	1/4	1/4		1/4		1/4
1/2	2,177.58	1/2	1,816.81	1/2	1,449.80	1/2	1,083.07	1/2	717.99	1/2	358.44	1/2	45.30	1/2	1/2		1/2		1/2
3/4	2,169.94	3/4	1,809.17	3/4	1,442.15	3/4	1,075.47	3/4	710.35	3/4	351.35	3/4	40.00	3/4	3/4		3/4		3/4
9	2,162.29	9	1,801.52	9	1,434.51	9	1,067.86	9	702.70	9	344.27	9	34.69	9	9		9		9
1/4	2,154.65	1/4	1,793.87	1/4	1,426.86	1/4	1,060.26	1/4	695.06	1/4	337.28	1/4	30.80	1/4	1/4		1/4		1/4
1/2	2,147.00	1/2	1,786.23	1/2	1,419.21	1/2	1,052.66	1/2	687.41	1/2	330.28	1/2	26.91	1/2	1/2		1/2		1/2
3/4	2,139.36	3/4	1,778.58	3/4	1,411.57	3/4	1,045.05	3/4	679.77	3/4	323.29	3/4	23.03	3/4	3/4		3/4		3/4
10	2,131.71	10	1,770.93	10	1,403.92	10	1,037.45	10	672.12	10	316.29	10	19.14	10	10		10		10
1/4	2,124.07	1/4	1,763.29	1/4	1,396.28	1/4	1,029.86	1/4	664.47	1/4	309.38	1/4		1/4	1/4		1/4		1/4
1/2	2,116.42	1/2	1,755.64	1/2	1,388.63	1/2	1,022.26	1/2	656.83	1/2	302.48	1/2		1/2	1/2		1/2		1/2
3/4	2,108.78	3/4	1,748.00	3/4	1,380.98	3/4	1,014.66	3/4	649.18	3/4	295.57	3/4		3/4	3/4		3/4		3/4
11	2,101.13	11	1,740.35	11	1,373.34	11	1,007.07	11	641.54	11	288.66	11		11	11		11		11
1/4	2,093.49	1/4	1,732.70	1/4	1,365.69	1/4	999.47	1/4	633.89	1/4	281.84	1/4		1/4	1/4		1/4		1/4
1/2	2,085.84	1/2	1,725.06	1/2	1,358.05	1/2	991.87	1/2	626.24	1/2	275.02	1/2		1/2	1/2		1/2		1/2
3/4	2,078.20	3/4	1,717.41	3/4	1,350.40	3/4	984.28	3/4	618.60	3/4	268.20	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL
VERIFIED: 09/14/2023 JS
NAME CHANGE: 09/18/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 27313"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 342"

GAUGE HEIGHT 16'-09 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0	4,910.29	0	4,582.62	0	4,233.53	0	3,868.97	0	3,503.60	0	3,138.24	0	2,772.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,903.46	1/4	4,575.58	1/4	4,226.04	1/4	3,861.35	1/4	3,495.99	1/4	3,130.63	1/4	2,765.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,896.83	1/2	4,568.49	1/2	4,218.52	1/2	3,853.74	1/2	3,488.38	1/2	3,123.02	1/2	2,757.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,890.21	3/4	4,561.41	3/4	4,211.00	3/4	3,846.13	3/4	3,480.77	3/4	3,115.41	3/4	2,749.93		
1	1	1	1	1	1	1	4,883.58	1	4,554.33	1	4,203.47	1	3,838.52	1	3,473.16	1	3,077.80	1	2,742.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,876.96	1/4	4,547.25	1/4	4,195.95	1/4	3,830.91	1/4	3,465.55	1/4	3,100.18	1/4	2,734.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,870.30	1/2	4,540.14	1/2	4,188.39	1/2	3,823.30	1/2	3,457.93	1/2	3,092.57	1/2	2,727.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,863.65	3/4	4,533.02	3/4	4,180.83	3/4	3,815.68	3/4	3,450.32	3/4	3,084.96	3/4	2,719.47		
2	2	2	2	2	2	2	4,856.99	2	4,525.91	2	4,173.28	2	3,808.07	2	3,442.71	2	3,077.35	2	2,711.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,850.33	1/4	4,518.79	1/4	4,165.72	1/4	3,800.46	1/4	3,435.10	1/4	3,069.74	1/4	2,704.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,843.64	1/2	4,511.64	1/2	4,158.13	1/2	3,792.85	1/2	3,427.49	1/2	3,062.13	1/2	2,696.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,836.95	3/4	4,504.49	3/4	4,150.54	3/4	3,785.24	3/4	3,419.88	3/4	3,054.51	3/4	2,689.01		
3	3	3	3	3	3	3	4,830.25	3	4,497.35	3	4,142.95	3	3,777.63	3	3,412.26	3	3,046.90	3	2,681.39		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,823.56	1/4	4,490.20	1/4	4,135.36	1/4	3,770.01	1/4	3,404.65	1/4	3,039.29	1/4	2,673.78		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,816.83	1/2	4,483.02	1/2	4,127.75	1/2	3,762.40	1/2	3,397.04	1/2	3,031.68	1/2	2,666.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,810.10	3/4	4,475.83	3/4	4,120.14	3/4	3,754.79	3/4	3,389.43	3/4	3,024.07	3/4	2,658.55		
4	4	4	4	4	4	4	4,803.37	4	4,468.65	4	4,112.54	4	3,747.18	4	3,381.82	4	3,016.46	4	2,650.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,796.64	1/4	4,461.47	1/4	4,104.93	1/4	3,739.57	1/4	3,374.21	1/4	3,008.84	1/4	2,643.31		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,789.87	1/2	4,454.25	1/2	4,097.32	1/2	3,731.96	1/2	3,366.59	1/2	3,001.23	1/2	2,635.70		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,783.11	3/4	4,447.04	3/4	4,089.71	3/4	3,724.34	3/4	3,358.98	3/4	2,993.62	3/4	2,628.08		
5	5	5	5	5	5	5	4,776.34	5	4,439.82	5	4,082.09	5	3,716.73	5	3,351.37	5	2,986.01	5	2,620.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,769.58	1/4	4,432.61	1/4	4,074.48	1/4	3,709.12	1/4	3,343.76	1/4	2,978.40	1/4	2,612.85		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,762.78	1/2	4,425.35	1/2	4,066.87	1/2	3,701.51	1/2	3,336.15	1/2	2,970.78	1/2	2,605.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,755.98	3/4	4,418.09	3/4	4,059.26	3/4	3,693.90	3/4	3,328.54	3/4	2,963.17	3/4	2,597.62		
6	6	6	6	6	6	6	4,749.19	6	4,410.84	6	4,051.65	6	3,686.29	6	3,320.92	6	2,955.56	6	2,590.00		
1/4	1/4	1/4		5,076.57	1/4	1/4	4,742.39	1/4	4,403.58	1/4	4,044.04	1/4	3,678.67	1/4	3,313.31	1/4	2,947.94	1/4	2,582.39		
1/2	1/2	1/2		5,070.16	1/2	1/2	4,735.56	1/2	4,396.27	1/2	4,036.42	1/2	3,671.06	1/2	3,305.70	1/2	2,940.33	1/2	2,574.77		
3/4	3/4	3/4		5,063.75	3/4	3/4	4,728.73	3/4	4,388.97	3/4	4,028.81	3/4	3,663.45	3/4	3,298.09	3/4	2,932.71	3/4	2,567.16		
7	7	7	7	7	7	7	4,721.90	7	4,381.66	7	4,021.20	7	3,655.84	7	3,290.48	7	2,925.09	7	2,559.54		
1/4	1/4	1/4		5,050.92	1/4	1/4	4,715.06	1/4	4,374.35	1/4	4,013.59	1/4	3,648.23	1/4	3,282.87	1/4	2,917.48	1/4	2,551.93		
1/2	1/2	1/2		5,043.56	1/2	1/2	4,708.17	1/2	4,367.00	1/2	4,005.98	1/2	3,640.62	1/2	3,275.25	1/2	2,909.86	1/2	2,544.31		
3/4	3/4	3/4		5,036.19	3/4	3/4	4,701.28	3/4	4,359.66	3/4	3,998.37	3/4	3,633.00	3/4	3,267.64	3/4	2,902.25	3/4	2,536.69		
8	8	8	8	8	8	8	4,694.38	8	4,352.31	8	3,990.75	8	3,625.39	8	3,260.03	8	2,894.63	8	2,529.08		
1/4	1/4	1/4		5,021.46	1/4	1/4	4,687.49	1/4	4,344.96	1/4	3,983.14	1/4	3,617.78	1/4	3,252.42	1/4	2,887.02	1/4	2,521.46		
1/2	1/2	1/2		5,013.91	1/2	1/2	4,680.55	1/2	4,337.58	1/2	3,975.53	1/2	3,610.17	1/2	3,244.81	1/2	2,879.40	1/2	2,513.85		
3/4	3/4	3/4		5,006.35	3/4	3/4	4,673.61	3/4	4,330.20	3/4	3,967.92	3/4	3,602.56	3/4	3,237.20	3/4	2,871.78	3/4	2,506.23		
9	9	9	9	9	9	9	4,998.80	9	4,666.67	9	4,322.82	9	3,960.31	9	3,594.95	9	3,229.58	9	2,864.17	9	2,498.62
1/4	1/4	1/4		4,991.24	1/4	1/4	4,991.24	1/4	4,659.73	1/4	4,315.44	1/4	3,952.70	1/4	3,587.33	1/4	3,221.97	1/4	2,856.55	1/4	2,491.00
1/2	1/2	1/2		4,983.69	1/2	1/2	4,983.69	1/2	4,652.76	1/2	4,308.03	1/2	3,945.08	1/2	3,579.72	1/2	3,214.36	1/2	2,848.94	1/2	2,483.38
3/4	3/4	3/4		4,976.14	3/4	3/4	4,976.14	3/4	4,645.78	3/4	4,300.61	3/4	3,937.47	3/4	3,572.11	3/4	3,206.75	3/4	2,841.32	3/4	2,475.77
10	10	10	10	10	10	10	4,968.58	10	4,638.80	10	4,293.20	10	3,929.86	10	3,564.50	10	3,199.14	10	2,833.71	10	2,468.15
1/4	1/4	1/4		4,961.03	1/4	1/4	4,961.03	1/4	4,631.82	1/4	4,285.78	1/4	3,922.25	1/4	3,556.89	1/4	3,191.53	1/4	2,826.09	1/4	2,460.54
1/2	1/2	1/2		4,953.47	1/2	1/2	4,953.47	1/2	4,624.81	1/2	4,278.34	1/2	3,914.64	1/2	3,549.28	1/2	3,183.91	1/2	2,818.47	1/2	2,452.92
3/4	3/4	3/4		4,945.92	3/4	3/4	4,945.92	3/4	4,617.79	3/4	4,270.89	3/4	3,907.03	3/4	3,541.66	3/4	3,176.30	3/4	2,810.86	3/4	2,445.31
11	11	11	11	11	11	11	4,938.36	11	4,610.78	11	4,263.44	11	3,899.41	11	3,534.05	11	3,168.69	11	2,803.24	11	2,437.69
1/4	1/4	1/4		4,930.81	1/4	1/4	4,930.81	1/4	4,603.77	1/4	4,255.99	1/4	3,891.80	1/4	3,526.44	1/4	3,161.08	1/4	2,795.63	1/4	2,430.07
1/2	1/2	1/2		4,923.97	1/2	1/2	4,923.97	1/2	4,596.72	1/2	4,248.51	1/2	3,884.19	1/2	3,518.83	1/2	3,153.47	1/2	2,788.01	1/2	2,422.46
3/4	3/4	3/4		4,917.13	3/4	3/4	4,917.13	3/4	4,589.67	3/4	4,241.02	3/4	3,876.58	3/4	3,511.22	3/4	3,145.86	3/4	2,780.40	3/4	2,414.84

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





BARGE "KIRBY 27313"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 342"

GAUGE HEIGHT 16'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,407.23	0	2,041.67	0	1,682.26	0	1,316.64	0	951.20	0	585.89	0	240.45	0		0		0	
1/4	2,399.61	1/4	2,034.06	1/4	1,674.64	1/4	1,309.02	1/4	943.60	1/4	578.27	1/4	233.74	1/4	1/4		1/4		1/4
1/2	2,392.00	1/2	2,026.98	1/2	1,667.03	1/2	1,301.40	1/2	936.00	1/2	570.67	1/2	227.12	1/2	1/2		1/2		1/2
3/4	2,384.38	3/4	2,019.91	3/4	1,659.41	3/4	1,293.78	3/4	928.39	3/4	563.07	3/4	220.50	3/4	3/4		3/4		3/4
1	2,376.76	1	2,012.83	1	1,651.79	1	1,286.17	1	920.79	1	555.46	1	213.87	1	1		1		1
1/4	2,369.15	1/4	2,005.76	1/4	1,644.17	1/4	1,278.55	1/4	913.19	1/4	547.86	1/4	207.25	1/4	1/4		1/4		1/4
1/2	2,361.53	1/2	1,998.86	1/2	1,636.56	1/2	1,270.93	1/2	905.58	1/2	540.30	1/2	200.72	1/2	1/2		1/2		1/2
3/4	2,353.92	3/4	1,991.97	3/4	1,628.94	3/4	1,263.31	3/4	897.98	3/4	532.75	3/4	194.18	3/4	3/4		3/4		3/4
2	2,346.30	2	1,985.07	2	1,621.32	2	1,255.70	2	890.38	2	525.19	2	187.65	2	2		2		2
1/4	2,338.69	1/4	1,978.18	1/4	1,613.71	1/4	1,248.08	1/4	882.77	1/4	517.63	1/4	181.11	1/4	1/4		1/4		1/4
1/2	2,331.07	1/2	1,970.77	1/2	1,606.09	1/2	1,240.46	1/2	875.17	1/2	510.14	1/2	174.67	1/2	1/2		1/2		1/2
3/4	2,323.45	3/4	1,963.36	3/4	1,598.47	3/4	1,232.85	3/4	867.57	3/4	502.66	3/4	168.22	3/4	3/4		3/4		3/4
3	2,315.84	3	1,955.95	3	1,590.85	3	1,225.23	3	859.96	3	495.17	3	161.77	3	3		3		3
1/4	2,308.22	1/4	1,948.53	1/4	1,583.24	1/4	1,217.61	1/4	852.36	1/4	487.69	1/4	155.32	1/4	1/4		1/4		1/4
1/2	2,300.61	1/2	1,940.95	1/2	1,575.62	1/2	1,209.99	1/2	844.76	1/2	480.29	1/2	148.96	1/2	1/2		1/2		1/2
3/4	2,292.99	3/4	1,933.37	3/4	1,568.00	3/4	1,202.38	3/4	837.15	3/4	472.89	3/4	142.60	3/4	3/4		3/4		3/4
4	2,285.38	4	1,925.79	4	1,560.39	4	1,194.76	4	829.55	4	465.49	4	136.24	4	4		4		4
1/4	2,277.76	1/4	1,918.21	1/4	1,552.77	1/4	1,187.14	1/4	821.95	1/4	458.09	1/4	129.88	1/4	1/4		1/4		1/4
1/2	2,270.14	1/2	1,910.63	1/2	1,545.15	1/2	1,179.53	1/2	814.34	1/2	450.77	1/2	123.60	1/2	1/2		1/2		1/2
3/4	2,262.53	3/4	1,903.05	3/4	1,537.53	3/4	1,171.91	3/4	806.74	3/4	443.46	3/4	117.33	3/4	3/4		3/4		3/4
5	2,254.91	5	1,895.46	5	1,529.92	5	1,164.29	5	799.14	5	436.14	5	111.05	5	5		5		5
1/4	2,247.30	1/4	1,887.88	1/4	1,522.30	1/4	1,156.67	1/4	791.53	1/4	428.83	1/4	104.78	1/4	1/4		1/4		1/4
1/2	2,239.68	1/2	1,880.28	1/2	1,514.68	1/2	1,149.06	1/2	783.92	1/2	421.60	1/2	98.60	1/2	1/2		1/2		1/2
3/4	2,232.07	3/4	1,872.67	3/4	1,507.07	3/4	1,141.44	3/4	776.31	3/4	414.38	3/4	92.42	3/4	3/4		3/4		3/4
6	2,224.45	6	1,865.06	6	1,499.45	6	1,133.82	6	768.69	6	407.15	6	86.24	6	6		6		6
1/4	2,216.83	1/4	1,857.46	1/4	1,491.83	1/4	1,126.21	1/4	761.08	1/4	399.92	1/4	80.06	1/4	1/4		1/4		1/4
1/2	2,209.22	1/2	1,849.84	1/2	1,484.21	1/2	1,118.59	1/2	753.46	1/2	392.78	1/2	73.99	1/2	1/2		1/2		1/2
3/4	2,201.60	3/4	1,842.22	3/4	1,476.60	3/4	1,110.97	3/4	745.85	3/4	385.64	3/4	67.92	3/4	3/4		3/4		3/4
7	2,193.99	7	1,834.60	7	1,468.98	7	1,103.35	7	738.23	7	378.50	7	61.85	7	7		7		7
1/4	2,186.37	1/4	1,826.99	1/4	1,461.36	1/4	1,095.74	1/4	730.61	1/4	371.36	1/4	55.78	1/4	1/4		1/4		1/4
1/2	2,178.76	1/2	1,819.37	1/2	1,453.74	1/2	1,088.12	1/2	723.00	1/2	364.30	1/2	50.49	1/2	1/2		1/2		1/2
3/4	2,171.14	3/4	1,811.75	3/4	1,446.13	3/4	1,080.51	3/4	715.38	3/4	357.25	3/4	45.19	3/4	3/4		3/4		3/4
8	2,163.52	8	1,804.14	8	1,438.51	8	1,072.90	8	707.76	8	350.20	8	39.90	8	8		8		8
1/4	2,155.91	1/4	1,796.52	1/4	1,430.89	1/4	1,065.29	1/4	700.14	1/4	343.14	1/4	34.61	1/4	1/4		1/4		1/4
1/2	2,148.29	1/2	1,788.90	1/2	1,423.28	1/2	1,057.68	1/2	692.53	1/2	336.17	1/2	30.73	1/2	1/2		1/2		1/2
3/4	2,140.68	3/4	1,781.28	3/4	1,415.66	3/4	1,050.07	3/4	684.91	3/4	329.21	3/4	26.85	3/4	3/4		3/4		3/4
9	2,133.06	9	1,773.67	9	1,408.04	9	1,042.46	9	677.29	9	322.24	9	22.97	9	9		9		9
1/4	2,125.45	1/4	1,766.05	1/4	1,400.42	1/4	1,034.85	1/4	669.68	1/4	315.27	1/4	19.09	1/4	1/4		1/4		1/4
1/2	2,117.83	1/2	1,758.43	1/2	1,392.81	1/2	1,027.24	1/2	662.06	1/2	308.39	1/2		1/2	1/2		1/2		1/2
3/4	2,110.21	3/4	1,750.82	3/4	1,385.19	3/4	1,019.64	3/4	654.44	3/4	301.51	3/4		3/4	3/4		3/4		3/4
10	2,102.60	10	1,743.20	10	1,377.57	10	1,012.03	10	646.83	10	294.63	10		10	10		10		10
1/4	2,094.98	1/4	1,735.58	1/4	1,369.96	1/4	1,004.43	1/4	639.21	1/4	287.75	1/4		1/4	1/4		1/4		1/4
1/2	2,087.37	1/2	1,727.96	1/2	1,362.34	1/2	996.82	1/2	631.59	1/2	280.95	1/2		1/2	1/2		1/2		1/2
3/4	2,079.75	3/4	1,720.35	3/4	1,354.72	3/4	989.22	3/4	623.98	3/4	274.16	3/4		3/4	3/4		3/4		3/4
11	2,072.14	11	1,712.73	11	1,347.10	11	981.62	11	616.36	11	267.36	11		11	11		11		11
1/4	2,064.52	1/4	1,705.11	1/4	1,339.49	1/4	974.01	1/4	608.74	1/4	260.57	1/4		1/4	1/4		1/4		1/4
1/2	2,056.90	1/2	1,697.50	1/2	1,331.87	1/2	966.41	1/2	601.12	1/2	253.86	1/2		1/2	1/2		1/2		1/2
3/4	2,049.29	3/4	1,689.88	3/4	1,324.25	3/4	958.81	3/4	593.51	3/4	247.15	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL
VERIFIED: 09/14/2023 JS
NAME CHANGE: 09/18/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 27313"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 342"

GAUGE HEIGHT 16'-09 1/2"

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	2,324.78	0	1,980.63	0	1,642.29	0	1,298.08	0	961.25	0	624.05	0	279.84	0		0		0	
1/4	2,317.61	1/4	1,973.46	1/4	1,635.12	1/4	1,290.91	1/4	954.38	1/4	616.88	1/4	272.67	1/4	1/4	1/4		1/4	1/4
1/2	2,310.44	1/2	1,966.29	1/2	1,627.95	1/2	1,283.74	1/2	947.52	1/2	609.71	1/2	265.50	1/2	1/2	1/2		1/2	1/2
3/4	2,303.27	3/4	1,959.63	3/4	1,620.78	3/4	1,276.56	3/4	940.65	3/4	602.53	3/4	258.33	3/4	3/4	3/4		3/4	3/4
1	2,296.10	1	1,952.97	1	1,613.61	1	1,269.39	1	933.78	1	595.36	1	251.16	1	1	1		1	1
1/4	2,288.93	1/4	1,946.31	1/4	1,606.44	1/4	1,262.22	1/4	926.92	1/4	588.19	1/4	243.99	1/4	1/4	1/4		1/4	1/4
1/2	2,281.76	1/2	1,939.65	1/2	1,599.26	1/2	1,255.05	1/2	920.05	1/2	581.02	1/2	236.82	1/2	1/2	1/2		1/2	1/2
3/4	2,274.59	3/4	1,933.16	3/4	1,592.09	3/4	1,247.88	3/4	913.18	3/4	573.85	3/4	229.65	3/4	3/4	3/4		3/4	3/4
2	2,267.42	2	1,926.67	2	1,584.92	2	1,240.71	2	906.32	2	566.68	2	222.48	2	2	2		2	2
1/4	2,260.25	1/4	1,920.18	1/4	1,577.75	1/4	1,233.54	1/4	899.45	1/4	559.51	1/4	215.31	1/4	1/4	1/4		1/4	1/4
1/2	2,253.08	1/2	1,913.69	1/2	1,570.58	1/2	1,226.37	1/2	892.58	1/2	552.34	1/2	208.13	1/2	1/2	1/2		1/2	1/2
3/4	2,245.91	3/4	1,906.71	3/4	1,563.41	3/4	1,219.20	3/4	885.72	3/4	545.17	3/4	200.96	3/4	3/4	3/4		3/4	3/4
3	2,238.74	3	1,899.74	3	1,556.24	3	1,212.02	3	878.85	3	538.00	3	193.79	3	3	3		3	3
1/4	2,231.57	1/4	1,892.76	1/4	1,549.07	1/4	1,204.85	1/4	871.98	1/4	530.83	1/4	186.62	1/4	1/4	1/4		1/4	1/4
1/2	2,224.40	1/2	1,885.79	1/2	1,541.90	1/2	1,197.68	1/2	865.12	1/2	523.65	1/2	179.45	1/2	1/2	1/2		1/2	1/2
3/4	2,217.23	3/4	1,878.65	3/4	1,534.72	3/4	1,190.51	3/4	858.25	3/4	516.48	3/4	172.28	3/4	3/4	3/4		3/4	3/4
4	2,210.06	4	1,871.52	4	1,527.55	4	1,183.34	4	851.38	4	509.31	4	165.11	4	4	4		4	4
1/4	2,202.89	1/4	1,864.38	1/4	1,520.38	1/4	1,176.17	1/4	844.52	1/4	502.14	1/4	157.94	1/4	1/4	1/4		1/4	1/4
1/2	2,195.72	1/2	1,857.25	1/2	1,513.21	1/2	1,169.00	1/2	837.65	1/2	494.97	1/2	150.77	1/2	1/2	1/2		1/2	1/2
3/4	2,188.55	3/4	1,850.11	3/4	1,506.04	3/4	1,161.83	3/4	830.78	3/4	487.80	3/4	143.60	3/4	3/4	3/4		3/4	3/4
5	2,181.38	5	1,842.97	5	1,498.87	5	1,154.66	5	823.92	5	480.63	5	136.43	5	5	5		5	5
1/4	2,174.21	1/4	1,835.84	1/4	1,491.70	1/4	1,147.48	1/4	817.05	1/4	473.46	1/4	129.26	1/4	1/4	1/4		1/4	1/4
1/2	2,167.04	1/2	1,828.70	1/2	1,484.53	1/2	1,140.31	1/2	810.18	1/2	466.29	1/2	122.09	1/2	1/2	1/2		1/2	1/2
3/4	2,159.87	3/4	1,821.54	3/4	1,477.36	3/4	1,133.35	3/4	803.09	3/4	459.12	3/4	114.93	3/4	3/4	3/4		3/4	3/4
6	2,152.71	6	1,814.38	6	1,470.18	6	1,126.40	6	796.00	6	451.95	6	107.76	6	6	6		6	6
1/4	2,145.54	1/4	1,807.22	1/4	1,463.01	1/4	1,119.44	1/4	788.90	1/4	444.77	1/4	100.60	1/4	1/4	1/4		1/4	1/4
1/2	2,138.37	1/2	1,800.05	1/2	1,455.84	1/2	1,112.48	1/2	781.81	1/2	437.60	1/2	93.44	1/2	1/2	1/2		1/2	1/2
3/4	2,131.20	3/4	1,792.88	3/4	1,448.67	3/4	1,105.59	3/4	774.64	3/4	430.43	3/4	86.29	3/4	3/4	3/4		3/4	3/4
7	2,124.03	7	1,785.71	7	1,441.50	7	1,098.70	7	767.47	7	423.26	7	79.15	7	7	7		7	7
1/4	2,116.86	1/4	1,778.54	1/4	1,434.33	1/4	1,091.81	1/4	760.29	1/4	416.09	1/4	72.01	1/4	1/4	1/4		1/4	1/4
1/2	2,109.69	1/2	1,771.37	1/2	1,427.16	1/2	1,084.93	1/2	753.12	1/2	408.92	1/2	64.87	1/2	1/2	1/2		1/2	1/2
3/4	2,102.52	3/4	1,764.20	3/4	1,419.99	3/4	1,078.05	3/4	745.95	3/4	401.75	3/4	58.38	3/4	3/4	3/4		3/4	3/4
8	2,095.35	8	1,757.03	8	1,412.82	8	1,071.17	8	738.78	8	394.58	8	51.89	8	8	8		8	8
1/4	2,088.18	1/4	1,749.86	1/4	1,405.64	1/4	1,064.29	1/4	731.61	1/4	387.41	1/4	45.40	1/4	1/4	1/4		1/4	1/4
1/2	2,081.01	1/2	1,742.69	1/2	1,398.47	1/2	1,057.42	1/2	724.44	1/2	380.24	1/2	38.91	1/2	1/2	1/2		1/2	1/2
3/4	2,073.84	3/4	1,735.51	3/4	1,391.30	3/4	1,050.54	3/4	717.27	3/4	373.07	3/4	33.98	3/4	3/4	3/4		3/4	3/4
9	2,066.67	9	1,728.34	9	1,384.13	9	1,043.67	9	710.10	9	365.89	9	29.05	9	9	9		9	9
1/4	2,059.50	1/4	1,721.17	1/4	1,376.96	1/4	1,036.80	1/4	702.93	1/4	358.72	1/4	24.12	1/4	1/4	1/4		1/4	1/4
1/2	2,052.33	1/2	1,714.00	1/2	1,369.79	1/2	1,029.92	1/2	695.76	1/2	351.55	1/2	19.19	1/2	1/2	1/2		1/2	1/2
3/4	2,045.16	3/4	1,706.83	3/4	1,362.62	3/4	1,023.05	3/4	688.59	3/4	344.38	3/4		3/4	3/4	3/4		3/4	3/4
10	2,037.99	10	1,699.66	10	1,355.45	10	1,016.19	10	681.41	10	337.21	10		10	10	10		10	10
1/4	2,030.82	1/4	1,692.49	1/4	1,348.28	1/4	1,009.32	1/4	674.24	1/4	330.04	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,023.65	1/2	1,685.32	1/2	1,341.10	1/2	1,002.45	1/2	667.07	1/2	322.87	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,016.48	3/4	1,678.15	3/4	1,333.93	3/4	995.58	3/4	659.90	3/4	315.70	3/4		3/4	3/4	3/4		3/4	3/4
11	2,009.31	11	1,670.98	11	1,326.76	11	988.72	11	652.73	11	308.53	11		11	11	11		11	11
1/4	2,002.14	1/4	1,663.80	1/4	1,319.59	1/4	981.85	1/4	645.56	1/4	301.36	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,994.97	1/2	1,656.63	1/2	1,312.42	1/2	974.98	1/2	638.39	1/2	294.19	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,987.80	3/4	1,649.46	3/4	1,305.25	3/4	968.12	3/4	631.22	3/4	287.01	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL
VERIFIED: 09/14/2023 JS
NAME CHANGE: 09/18/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 27313"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 342"

GAUGE HEIGHT 16'-10 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0		0		0		0	4,710.59	0	4,402.57	0	4,075.87	0	3,733.43	0	3,389.74	0	3,046.05	0	2,702.28	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,703.49	1/4	4,395.97	1/4	4,068.86	1/4	3,726.27	1/4	3,382.58	1/4	3,038.89	1/4	2,695.12	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,697.06	1/2	4,389.34	1/2	4,061.82	1/2	3,719.11	1/2	3,375.42	1/2	3,031.73	1/2	2,687.95	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,690.63	3/4	4,382.71	3/4	4,054.77	3/4	3,711.95	3/4	3,368.26	3/4	3,024.57	3/4	2,680.79	
1	1	1	1	1	1	1	4,684.20	1	4,376.08	1	4,047.73	1	3,704.79	1	3,361.10	1	3,017.41	1	2,673.63	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,677.77	1/4	4,369.46	1/4	4,040.68	1/4	3,697.63	1/4	3,353.94	1/4	3,010.25	1/4	2,666.46	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,671.54	1/2	4,362.80	1/2	4,033.61	1/2	3,690.47	1/2	3,346.78	1/2	3,003.09	1/2	2,659.30	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,665.31	3/4	4,356.14	3/4	4,026.53	3/4	3,683.31	3/4	3,339.62	3/4	2,995.93	3/4	2,652.13	
2	2	2	2	2	2	2	4,659.08	2	4,349.48	2	4,019.45	2	3,676.15	2	3,332.46	2	2,988.77	2	2,644.97	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,652.85	1/4	4,342.82	1/4	4,012.38	1/4	3,668.99	1/4	3,325.30	1/4	2,981.61	1/4	2,637.81	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,646.60	1/2	4,336.12	1/2	4,005.27	1/2	3,661.83	1/2	3,318.14	1/2	2,974.45	1/2	2,630.64	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,640.34	3/4	4,329.43	3/4	3,998.16	3/4	3,654.67	3/4	3,310.98	3/4	2,967.29	3/4	2,623.48	
3	3	3	3	3	3	3	4,634.08	3	4,322.74	3	3,991.05	3	3,647.51	3	3,303.82	3	2,960.13	3	2,616.31	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,627.82	1/4	4,316.05	1/4	3,983.94	1/4	3,640.35	1/4	3,296.66	1/4	2,952.97	1/4	2,609.15	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,621.53	1/2	4,309.33	1/2	3,976.80	1/2	3,633.19	1/2	3,289.50	1/2	2,945.81	1/2	2,601.98	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,615.24	3/4	4,302.60	3/4	3,969.66	3/4	3,626.03	3/4	3,282.34	3/4	2,938.65	3/4	2,594.82	
4	4	4	4	4	4	4	4,608.94	4	4,295.88	4	3,962.52	4	3,618.87	4	3,275.18	4	2,931.49	4	2,587.66	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,602.65	1/4	4,289.16	1/4	3,955.38	1/4	3,611.71	1/4	3,268.02	1/4	2,924.33	1/4	2,580.49	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,596.32	1/2	4,282.40	1/2	3,948.22	1/2	3,604.55	1/2	3,260.86	1/2	2,917.17	1/2	2,573.33	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,589.99	3/4	4,275.65	3/4	3,941.07	3/4	3,597.39	3/4	3,253.70	3/4	2,910.01	3/4	2,566.16	
5	5	5	5	5	5	5	4,583.66	5	4,268.89	5	3,933.91	5	3,590.23	5	3,246.54	5	2,902.85	5	2,559.00	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,577.34	1/4	4,262.14	1/4	3,926.76	1/4	3,583.07	1/4	3,239.38	1/4	2,895.69	1/4	2,551.83	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,570.98	1/2	4,255.35	1/2	3,919.60	1/2	3,575.91	1/2	3,232.22	1/2	2,888.53	1/2	2,544.67	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,564.62	3/4	4,248.56	3/4	3,912.44	3/4	3,568.75	3/4	3,225.06	3/4	2,881.37	3/4	2,537.51	
6	6	6	6	6	6	6	4,558.26	6	4,241.78	6	3,905.28	6	3,561.59	6	3,217.90	6	2,874.21	6	2,530.34	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,551.90	1/4	4,234.99	1/4	3,898.12	1/4	3,554.43	1/4	3,210.74	1/4	2,867.05	1/4	2,523.18	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,545.51	1/2	4,228.16	1/2	3,890.96	1/2	3,547.27	1/2	3,203.58	1/2	2,859.89	1/2	2,516.01	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,539.12	3/4	4,221.34	3/4	3,883.80	3/4	3,540.11	3/4	3,196.42	3/4	2,852.73	3/4	2,508.85	
7	7	7	7	7	7	7	4,532.73	7	4,214.52	7	3,876.64	7	3,532.95	7	3,189.26	7	2,845.56	7	2,501.69	
1/4	1/4	1/4	4,840.53	1/4	4,526.34	1/4	4,207.69	1/4	3,869.48	1/4	3,525.79	1/4	3,182.10	1/4	2,838.40	1/4	2,494.52			
1/2	1/2	1/2	4,834.50	1/2	4,519.91	1/2	4,200.82	1/2	3,862.32	1/2	3,518.63	1/2	3,174.94	1/2	2,831.24	1/2	2,487.36			
3/4	3/4	3/4	4,828.47	3/4	4,513.49	3/4	4,193.94	3/4	3,855.16	3/4	3,511.47	3/4	3,167.78	3/4	2,824.07	3/4	2,480.19			
8	8	8	4,822.45	8	4,507.07	8	4,187.07	8	3,848.00	8	3,504.31	8	3,160.62	8	2,816.91	8	2,473.03			
1/4	1/4	1/4	4,816.42	1/4	4,500.65	1/4	4,180.20	1/4	3,840.84	1/4	3,497.15	1/4	3,153.46	1/4	2,809.75	1/4	2,465.86			
1/2	1/2	1/2	4,809.49	1/2	4,494.16	1/2	4,173.28	1/2	3,833.68	1/2	3,489.99	1/2	3,146.30	1/2	2,802.58	1/2	2,458.70			
3/4	3/4	3/4	4,802.57	3/4	4,487.68	3/4	4,166.37	3/4	3,826.52	3/4	3,482.83	3/4	3,139.14	3/4	2,795.42	3/4	2,451.54			
9	9	9	4,795.65	9	4,481.19	9	4,159.46	9	3,819.36	9	3,475.67	9	3,131.98	9	2,788.25	9	2,444.37			
1/4	1/4	1/4	4,788.72	1/4	4,474.71	1/4	4,152.55	1/4	3,812.20	1/4	3,468.51	1/4	3,124.82	1/4	2,781.09	1/4	2,437.21			
1/2	1/2	1/2	4,781.62	1/2	4,468.19	1/2	4,145.61	1/2	3,805.04	1/2	3,461.35	1/2	3,117.66	1/2	2,773.93	1/2	2,430.04			
3/4	3/4	3/4	4,774.51	3/4	4,461.66	3/4	4,138.67	3/4	3,797.88	3/4	3,454.19	3/4	3,110.50	3/4	2,766.76	3/4	2,422.88			
10	10	10	4,767.41	10	4,455.13	10	4,131.72	10	3,790.72	10	3,447.03	10	3,103.34	10	2,759.60	10	2,415.72			
1/4	1/4	1/4	4,760.31	1/4	4,448.61	1/4	4,124.78	1/4	3,783.56	1/4	3,439.87	1/4	3,096.18	1/4	2,752.43	1/4	2,408.55			
1/2	1/2	1/2	4,753.21	1/2	4,442.05	1/2	4,117.81	1/2	3,776.40	1/2	3,432.71	1/2	3,089.02	1/2	2,745.27	1/2	2,401.39			
3/4	3/4	3/4	4,746.10	3/4	4,435.48	3/4	4,110.83	3/4	3,769.23	3/4	3,425.55	3/4	3,081.86	3/4	2,738.10	3/4	2,394.22			
11	11	11	4,739.00	11	4,428.92	11	4,103.86	11	3,762.07	11	3,418.39	11	3,074.70	11	2,730.94	11	2,387.06			
1/4	1/4	1/4	4,731.90	1/4	4,422.36	1/4	4,096.88	1/4	3,754.91	1/4	3,411.22	1/4	3,067.54	1/4	2,723.78	1/4	2,379.89			
1/2	1/2	1/2	4,724.79	1/2	4,415.76	1/2	4,089.88	1/2	3,747.75	1/2	3,404.06	1/2	3,060.38	1/2	2,716.61	1/2	2,372.73			
3/4	3/4	3/4	4,717.69	3/4	4,409.16	3/4	4,082.87	3/4	3,740.59	3/4	3,396.90	3/4	3,053.21	3/4	2,709.45	3/4	2,365.57			

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27313"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 342"

GAUGE HEIGHT 16'-10 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,358.40	0	2,014.52	0	1,676.43	0	1,332.48	0	988.66	0	645.05	0	301.11	0		0		0	
1/4	2,351.24	1/4	2,007.36	1/4	1,669.26	1/4	1,325.32	1/4	981.51	1/4	637.88	1/4	293.95	1/4	1/4		1/4		1/4
1/2	2,344.07	1/2	2,000.19	1/2	1,662.10	1/2	1,318.15	1/2	974.36	1/2	630.72	1/2	286.78	1/2	1/2		1/2		1/2
3/4	2,336.91	3/4	1,993.03	3/4	1,654.93	3/4	1,310.99	3/4	967.20	3/4	623.55	3/4	279.62	3/4	3/4		3/4		3/4
1	2,329.74	1	1,985.86	1	1,647.77	1	1,303.82	1	960.05	1	616.39	1	272.45	1	1		1		1
1/4	2,322.58	1/4	1,978.70	1/4	1,640.60	1/4	1,296.66	1/4	952.90	1/4	609.22	1/4	265.29	1/4	1/4		1/4		1/4
1/2	2,315.42	1/2	1,972.04	1/2	1,633.44	1/2	1,289.49	1/2	945.75	1/2	602.06	1/2	258.12	1/2	1/2		1/2		1/2
3/4	2,308.25	3/4	1,965.39	3/4	1,626.27	3/4	1,282.33	3/4	938.59	3/4	594.89	3/4	250.96	3/4	3/4		3/4		3/4
2	2,301.09	2	1,958.73	2	1,619.10	2	1,275.16	2	931.44	2	587.73	2	243.79	2	2		2		2
1/4	2,293.92	1/4	1,952.07	1/4	1,611.94	1/4	1,268.00	1/4	924.29	1/4	580.56	1/4	236.63	1/4	1/4		1/4		1/4
1/2	2,286.76	1/2	1,945.59	1/2	1,604.77	1/2	1,260.83	1/2	917.14	1/2	573.40	1/2	229.46	1/2	1/2		1/2		1/2
3/4	2,279.60	3/4	1,939.10	3/4	1,597.61	3/4	1,253.66	3/4	909.98	3/4	566.23	3/4	222.30	3/4	3/4		3/4		3/4
3	2,272.43	3	1,932.61	3	1,590.44	3	1,246.50	3	902.83	3	559.07	3	215.13	3	3		3		3
1/4	2,265.27	1/4	1,926.13	1/4	1,583.28	1/4	1,239.33	1/4	895.68	1/4	551.90	1/4	207.97	1/4	1/4		1/4		1/4
1/2	2,258.10	1/2	1,919.16	1/2	1,576.11	1/2	1,232.17	1/2	888.52	1/2	544.73	1/2	200.80	1/2	1/2		1/2		1/2
3/4	2,250.94	3/4	1,912.19	3/4	1,568.95	3/4	1,225.00	3/4	881.37	3/4	537.57	3/4	193.64	3/4	3/4		3/4		3/4
4	2,243.77	4	1,905.22	4	1,561.78	4	1,217.84	4	874.22	4	530.40	4	186.47	4	4		4		4
1/4	2,236.61	1/4	1,898.25	1/4	1,554.62	1/4	1,210.67	1/4	867.07	1/4	523.24	1/4	179.30	1/4	1/4		1/4		1/4
1/2	2,229.45	1/2	1,891.12	1/2	1,547.45	1/2	1,203.51	1/2	859.91	1/2	516.07	1/2	172.14	1/2	1/2		1/2		1/2
3/4	2,222.28	3/4	1,883.99	3/4	1,540.28	3/4	1,196.34	3/4	852.76	3/4	508.91	3/4	164.97	3/4	3/4		3/4		3/4
5	2,215.12	5	1,876.86	5	1,533.12	5	1,189.17	5	845.61	5	501.74	5	157.81	5	5		5		5
1/4	2,207.95	1/4	1,869.73	1/4	1,525.95	1/4	1,182.01	1/4	838.46	1/4	494.58	1/4	150.64	1/4	1/4		1/4		1/4
1/2	2,200.79	1/2	1,862.60	1/2	1,518.79	1/2	1,174.84	1/2	831.30	1/2	487.41	1/2	143.48	1/2	1/2		1/2		1/2
3/4	2,193.62	3/4	1,855.47	3/4	1,511.62	3/4	1,167.68	3/4	824.15	3/4	480.25	3/4	136.31	3/4	3/4		3/4		3/4
6	2,186.46	6	1,848.34	6	1,504.46	6	1,160.51	6	817.00	6	473.08	6	129.15	6	6		6		6
1/4	2,179.30	1/4	1,841.21	1/4	1,497.29	1/4	1,153.35	1/4	809.84	1/4	465.92	1/4	121.99	1/4	1/4		1/4		1/4
1/2	2,172.13	1/2	1,834.05	1/2	1,490.13	1/2	1,146.18	1/2	802.68	1/2	458.75	1/2	114.83	1/2	1/2		1/2		1/2
3/4	2,164.97	3/4	1,826.89	3/4	1,482.96	3/4	1,139.02	3/4	795.52	3/4	451.59	3/4	107.67	3/4	3/4		3/4		3/4
7	2,157.80	7	1,819.73	7	1,475.79	7	1,131.85	7	788.35	7	444.42	7	100.51	7	7		7		7
1/4	2,150.64	1/4	1,812.57	1/4	1,468.63	1/4	1,124.69	1/4	781.19	1/4	437.26	1/4	93.36	1/4	1/4		1/4		1/4
1/2	2,143.48	1/2	1,805.41	1/2	1,461.46	1/2	1,117.52	1/2	774.02	1/2	430.09	1/2	86.22	1/2	1/2		1/2		1/2
3/4	2,136.31	3/4	1,798.24	3/4	1,454.30	3/4	1,110.35	3/4	766.86	3/4	422.92	3/4	79.08	3/4	3/4		3/4		3/4
8	2,129.15	8	1,791.08	8	1,447.13	8	1,103.19	8	759.69	8	415.76	8	71.95	8	8		8		8
1/4	2,121.98	1/4	1,783.91	1/4	1,439.97	1/4	1,096.02	1/4	752.53	1/4	408.59	1/4	64.81	1/4	1/4		1/4		1/4
1/2	2,114.82	1/2	1,776.75	1/2	1,432.80	1/2	1,088.86	1/2	745.36	1/2	401.43	1/2	58.33	1/2	1/2		1/2		1/2
3/4	2,107.65	3/4	1,769.58	3/4	1,425.64	3/4	1,081.70	3/4	738.20	3/4	394.26	3/4	51.84	3/4	3/4		3/4		3/4
9	2,100.49	9	1,762.41	9	1,418.47	9	1,074.54	9	731.03	9	387.10	9	45.36	9	9		9		9
1/4	2,093.33	1/4	1,755.25	1/4	1,411.31	1/4	1,067.38	1/4	723.87	1/4	379.93	1/4	38.87	1/4	1/4		1/4		1/4
1/2	2,086.16	1/2	1,748.08	1/2	1,404.14	1/2	1,060.22	1/2	716.70	1/2	372.77	1/2	33.95	1/2	1/2		1/2		1/2
3/4	2,079.00	3/4	1,740.92	3/4	1,396.97	3/4	1,053.06	3/4	709.54	3/4	365.60	3/4	29.02	3/4	3/4		3/4		3/4
10	2,071.83	10	1,733.75	10	1,389.81	10	1,045.90	10	702.37	10	358.44	10	24.10	10	10		10		10
1/4	2,064.67	1/4	1,726.59	1/4	1,382.64	1/4	1,038.74	1/4	695.21	1/4	351.27	1/4	19.17	1/4	1/4		1/4		1/4
1/2	2,057.51	1/2	1,719.42	1/2	1,375.48	1/2	1,031.58	1/2	688.04	1/2	344.11	1/2		1/2	1/2		1/2		1/2
3/4	2,050.34	3/4	1,712.26	3/4	1,368.31	3/4	1,024.43	3/4	680.88	3/4	336.94	3/4		3/4	3/4		3/4		3/4
11	2,043.18	11	1,705.09	11	1,361.15	11	1,017.27	11	673.71	11	329.78	11		11	11		11		11
1/4	2,036.01	1/4	1,697.93	1/4	1,353.98	1/4	1,010.12	1/4	666.54	1/4	322.61	1/4		1/4	1/4		1/4		1/4
1/2	2,028.85	1/2	1,690.76	1/2	1,346.82	1/2	1,002.97	1/2	659.38	1/2	315.45	1/2		1/2	1/2		1/2		1/2
3/4	2,021.68	3/4	1,683.59	3/4	1,339.65	3/4	995.82	3/4	652.21	3/4	308.28	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL
VERIFIED: 09/14/2023 JS
NAME CHANGE: 09/18/2023 JS

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023



BARGE "KIRBY 27313"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 342"

GAUGE HEIGHT 16'-08 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,327.94	0	4,152.54	0	3,965.33	0	3,770.12	0	3,525.77	0	3,162.99	0	2,799.55
1/4		1/4		1/4		1/4	4,324.40	1/4	4,148.75	1/4	3,961.30	1/4	3,766.05	1/4	3,518.22	1/4	3,155.42	1/4	2,791.98
1/2		1/2		1/2		1/2	4,320.87	1/2	4,144.97	1/2	3,957.27	1/2	3,761.98	1/2	3,510.67	1/2	3,147.85	1/2	2,784.41
3/4		3/4		3/4		3/4	4,317.33	3/4	4,141.18	3/4	3,953.25	3/4	3,757.90	3/4	3,503.12	3/4	3,140.28	3/4	2,776.83
1		1		1		1	4,313.78	1	4,137.38	1	3,949.20	1	3,753.83	1	3,495.57	1	3,132.71	1	2,769.26
1/4		1/4		1/4		1/4	4,310.23	1/4	4,133.57	1/4	3,945.16	1/4	3,749.76	1/4	3,488.02	1/4	3,125.14	1/4	2,761.69
1/2		1/2		1/2		1/2	4,306.67	1/2	4,129.77	1/2	3,941.12	1/2	3,745.68	1/2	3,480.47	1/2	3,117.57	1/2	2,754.12
3/4		3/4		3/4		3/4	4,303.12	3/4	4,125.96	3/4	3,937.07	3/4	3,741.61	3/4	3,472.92	3/4	3,110.00	3/4	2,746.54
2		2		2		2	4,299.55	2	4,122.14	2	3,933.01	2	3,737.54	2	3,465.37	2	3,102.43	2	2,738.97
1/4		1/4		1/4		1/4	4,295.97	1/4	4,118.32	1/4	3,928.95	1/4	3,733.46	1/4	3,457.82	1/4	3,094.86	1/4	2,731.40
1/2		1/2		1/2		1/2	4,292.40	1/2	4,114.50	1/2	3,924.89	1/2	3,729.39	1/2	3,450.27	1/2	3,087.29	1/2	2,723.83
3/4		3/4		3/4		3/4	4,288.83	3/4	4,110.67	3/4	3,920.82	3/4	3,725.32	3/4	3,442.73	3/4	3,079.72	3/4	2,716.25
3		3		3		3	4,285.23	3	4,106.83	3	3,916.75	3	3,721.24	3	3,435.18	3	3,072.15	3	2,708.68
1/4		1/4		1/4		1/4	4,281.64	1/4	4,102.99	1/4	3,912.68	1/4	3,717.17	1/4	3,427.63	1/4	3,064.58	1/4	2,701.11
1/2		1/2		1/2		1/2	4,278.05	1/2	4,099.15	1/2	3,908.61	1/2	3,713.10	1/2	3,420.08	1/2	3,057.01	1/2	2,693.53
3/4		3/4		3/4		3/4	4,274.45	3/4	4,095.31	3/4	3,904.54	3/4	3,709.02	3/4	3,412.53	3/4	3,049.44	3/4	2,685.96
4		4		4		4	4,270.84	4	4,091.45	4	3,900.46	4	3,704.95	4	3,404.98	4	3,041.87	4	2,678.39
1/4		1/4		1/4		1/4	4,267.23	1/4	4,087.59	1/4	3,896.39	1/4	3,700.88	1/4	3,397.43	1/4	3,034.30	1/4	2,670.82
1/2		1/2		1/2		1/2	4,263.62	1/2	4,083.73	1/2	3,892.32	1/2	3,696.80	1/2	3,389.88	1/2	3,026.73	1/2	2,663.24
3/4		3/4		3/4		3/4	4,260.01	3/4	4,079.88	3/4	3,888.24	3/4	3,692.73	3/4	3,382.33	3/4	3,019.16	3/4	2,655.67
5		5		5		5	4,256.38	5	4,076.00	5	3,884.17	5	3,688.66	5	3,374.78	5	3,011.58	5	2,648.09
1/4		1/4		1/4		1/4	4,252.75	1/4	4,072.12	1/4	3,880.10	1/4	3,684.58	1/4	3,367.23	1/4	3,004.01	1/4	2,640.51
1/2		1/2		1/2		1/2	4,249.13	1/2	4,068.24	1/2	3,876.02	1/2	3,680.51	1/2	3,359.68	1/2	2,996.44	1/2	2,632.94
3/4		3/4		3/4		3/4	4,245.50	3/4	4,064.36	3/4	3,871.95	3/4	3,676.44	3/4	3,352.13	3/4	2,988.87	3/4	2,625.36
6		6		6	4,421.46	6	4,241.85	6	4,060.45	6	3,867.88	6	3,672.36	6	3,344.58	6	2,981.30	6	2,617.78
1/4		1/4		1/4	4,415.67	1/4	4,238.20	1/4	4,056.54	1/4	3,863.81	1/4	3,668.29	1/4	3,337.04	1/4	2,973.72	1/4	2,610.20
1/2		1/2		1/2	4,412.77	1/2	4,234.56	1/2	4,052.63	1/2	3,859.73	1/2	3,664.22	1/2	3,329.49	1/2	2,966.15	1/2	2,602.62
3/4		3/4		3/4	4,409.87	3/4	4,230.91	3/4	4,048.72	3/4	3,855.66	3/4	3,660.15	3/4	3,321.94	3/4	2,958.58	3/4	2,595.04
7		7		7	4,406.03	7	4,227.23	7	4,044.78	7	3,851.59	7	3,656.07	7	3,314.37	7	2,951.01	7	2,587.46
1/4		1/4		1/4	4,402.18	1/4	4,223.54	1/4	4,040.85	1/4	3,847.51	1/4	3,652.00	1/4	3,306.81	1/4	2,943.43	1/4	2,579.88
1/2		1/2		1/2	4,398.34	1/2	4,219.85	1/2	4,036.92	1/2	3,843.44	1/2	3,647.93	1/2	3,299.24	1/2	2,935.86	1/2	2,572.30
3/4		3/4		3/4	4,394.49	3/4	4,216.17	3/4	4,032.99	3/4	3,839.37	3/4	3,643.85	3/4	3,291.68	3/4	2,928.29	3/4	2,564.72
8		8		8	4,390.46	8	4,212.46	8	4,029.04	8	3,835.29	8	3,638.46	8	3,284.11	8	2,920.72	8	2,557.14
1/4		1/4		1/4	4,386.42	1/4	4,208.75	1/4	4,025.09	1/4	3,831.22	1/4	3,633.07	1/4	3,276.54	1/4	2,913.14	1/4	2,549.56
1/2		1/2		1/2	4,382.39	1/2	4,205.04	1/2	4,021.14	1/2	3,827.15	1/2	3,627.68	1/2	3,268.97	1/2	2,905.57	1/2	2,541.98
3/4		3/4		3/4	4,378.35	3/4	4,201.33	3/4	4,017.19	3/4	3,823.07	3/4	3,622.28	3/4	3,261.40	3/4	2,898.00	3/4	2,534.40
9		9		9	4,374.32	9	4,197.60	9	4,013.22	9	3,819.00	9	3,615.15	9	3,253.83	9	2,890.42	9	2,526.85
1/4		1/4		1/4	4,370.29	1/4	4,193.87	1/4	4,009.26	1/4	3,814.93	1/4	3,608.03	1/4	3,246.26	1/4	2,882.85	1/4	2,519.30
1/2		1/2		1/2	4,366.25	1/2	4,190.14	1/2	4,005.29	1/2	3,810.85	1/2	3,600.90	1/2	3,238.69	1/2	2,875.28	1/2	2,511.74
3/4		3/4		3/4	4,362.22	3/4	4,186.40	3/4	4,001.32	3/4	3,806.78	3/4	3,593.77	3/4	3,231.12	3/4	2,867.71	3/4	2,504.19
10		10		10	4,358.18	10	4,182.65	10	3,997.34	10	3,802.71	10	3,586.21	10	3,223.55	10	2,860.13	10	2,496.65
1/4		1/4		1/4	4,354.15	1/4	4,178.90	1/4	3,993.35	1/4	3,798.63	1/4	3,578.65	1/4	3,215.98	1/4	2,852.56	1/4	2,489.11
1/2		1/2		1/2	4,350.12	1/2	4,175.15	1/2	3,989.37	1/2	3,794.56	1/2	3,571.09	1/2	3,208.41	1/2	2,844.99	1/2	2,481.57
3/4		3/4		3/4	4,346.08	3/4	4,171.40	3/4	3,985.38	3/4	3,790.49	3/4	3,563.52	3/4	3,200.84	3/4	2,837.42	3/4	2,474.03
11		11		11	4,342.43	11	4,167.63	11	3,981.37	11	3,786.41	11	3,555.97	11	3,193.27	11	2,829.84	11	2,466.49
1/4		1/4		1/4	4,338.78	1/4	4,163.86	1/4	3,977.37	1/4	3,782.34	1/4	3,548.42	1/4	3,185.70	1/4	2,822.27	1/4	2,458.94
1/2		1/2		1/2	4,335.13	1/2	4,160.10	1/2	3,973.36	1/2	3,778.27	1/2	3,540.87	1/2	3,178.13	1/2	2,814.70	1/2	2,451.40
3/4		3/4		3/4	4,331.48	3/4	4,156.33	3/4	3,969.35	3/4	3,774.19	3/4	3,533.32	3/4	3,170.56	3/4	2,807.12	3/4	2,443.86

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 WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" 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 "KIRBY 27313"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 342"

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,436.32	0	2,075.55	0	1,718.54	0	1,354.63	0	996.93	0	637.50	0	273.42	0		0		0	
1/4	2,428.78	1/4	2,068.57	1/4	1,710.96	1/4	1,347.05	1/4	989.58	1/4	629.91	1/4	265.84	1/4	1/4	1/4		1/4	1/4
1/2	2,421.24	1/2	2,061.59	1/2	1,703.38	1/2	1,339.46	1/2	982.23	1/2	622.33	1/2	258.25	1/2	1/2	1/2		1/2	1/2
3/4	2,413.70	3/4	2,054.61	3/4	1,695.79	3/4	1,331.88	3/4	974.88	3/4	614.74	3/4	250.67	3/4	3/4	3/4		3/4	3/4
1	2,406.15	1	2,047.81	1	1,688.21	1	1,324.30	1	967.52	1	607.16	1	243.09	1	1	1		1	1
1/4	2,398.61	1/4	2,041.01	1/4	1,680.63	1/4	1,316.72	1/4	960.17	1/4	599.57	1/4	235.50	1/4	1/4	1/4		1/4	1/4
1/2	2,391.07	1/2	2,034.21	1/2	1,673.05	1/2	1,309.14	1/2	952.82	1/2	591.98	1/2	227.91	1/2	1/2	1/2		1/2	1/2
3/4	2,383.53	3/4	2,027.42	3/4	1,665.47	3/4	1,301.56	3/4	945.47	3/4	584.40	3/4	220.33	3/4	3/4	3/4		3/4	3/4
2	2,375.99	2	2,020.10	2	1,657.89	2	1,293.98	2	938.12	2	576.81	2	212.74	2	2	2		2	2
1/4	2,368.45	1/4	2,012.79	1/4	1,650.31	1/4	1,286.39	1/4	930.77	1/4	569.23	1/4	205.16	1/4	1/4	1/4		1/4	1/4
1/2	2,360.90	1/2	2,005.48	1/2	1,642.72	1/2	1,278.81	1/2	923.41	1/2	561.64	1/2	197.57	1/2	1/2	1/2		1/2	1/2
3/4	2,353.36	3/4	1,998.17	3/4	1,635.14	3/4	1,271.23	3/4	916.06	3/4	554.06	3/4	189.99	3/4	3/4	3/4		3/4	3/4
3	2,345.82	3	1,990.68	3	1,627.56	3	1,263.65	3	908.71	3	546.47	3	182.40	3	3	3		3	3
1/4	2,338.28	1/4	1,983.20	1/4	1,619.98	1/4	1,256.07	1/4	901.36	1/4	538.88	1/4	174.81	1/4	1/4	1/4		1/4	1/4
1/2	2,330.74	1/2	1,975.72	1/2	1,612.40	1/2	1,248.49	1/2	894.01	1/2	531.30	1/2	167.23	1/2	1/2	1/2		1/2	1/2
3/4	2,323.20	3/4	1,968.24	3/4	1,604.82	3/4	1,240.90	3/4	886.65	3/4	523.71	3/4	159.64	3/4	3/4	3/4		3/4	3/4
4	2,315.66	4	1,960.75	4	1,597.24	4	1,233.32	4	879.30	4	516.13	4	152.06	4	4	4		4	4
1/4	2,308.11	1/4	1,953.27	1/4	1,589.65	1/4	1,225.74	1/4	871.95	1/4	508.54	1/4	144.47	1/4	1/4	1/4		1/4	1/4
1/2	2,300.57	1/2	1,945.79	1/2	1,582.07	1/2	1,218.16	1/2	864.60	1/2	500.96	1/2	136.88	1/2	1/2	1/2		1/2	1/2
3/4	2,293.03	3/4	1,938.30	3/4	1,574.49	3/4	1,210.58	3/4	857.25	3/4	493.37	3/4	129.30	3/4	3/4	3/4		3/4	3/4
5	2,285.51	5	1,930.75	5	1,566.91	5	1,203.15	5	849.72	5	485.79	5	121.71	5	5	5		5	5
1/4	2,277.98	1/4	1,923.19	1/4	1,559.33	1/4	1,195.73	1/4	842.19	1/4	478.20	1/4	114.13	1/4	1/4	1/4		1/4	1/4
1/2	2,270.46	1/2	1,915.63	1/2	1,551.75	1/2	1,188.31	1/2	834.67	1/2	470.62	1/2	106.55	1/2	1/2	1/2		1/2	1/2
3/4	2,262.94	3/4	1,908.08	3/4	1,544.16	3/4	1,180.88	3/4	827.14	3/4	463.03	3/4	98.97	3/4	3/4	3/4		3/4	3/4
6	2,255.42	6	1,900.50	6	1,536.58	6	1,173.51	6	819.56	6	455.45	6	91.40	6	6	6		6	6
1/4	2,247.90	1/4	1,892.91	1/4	1,529.00	1/4	1,166.14	1/4	811.97	1/4	447.86	1/4	83.83	1/4	1/4	1/4		1/4	1/4
1/2	2,240.39	1/2	1,885.33	1/2	1,521.42	1/2	1,158.77	1/2	804.38	1/2	440.28	1/2	76.27	1/2	1/2	1/2		1/2	1/2
3/4	2,232.87	3/4	1,877.75	3/4	1,513.84	3/4	1,151.40	3/4	796.80	3/4	432.69	3/4	68.70	3/4	3/4	3/4		3/4	3/4
7	2,225.35	7	1,870.17	7	1,506.26	7	1,144.04	7	789.21	7	425.11	7	61.83	7	7	7		7	7
1/4	2,217.83	1/4	1,862.59	1/4	1,498.68	1/4	1,136.67	1/4	781.63	1/4	417.52	1/4	54.95	1/4	1/4	1/4		1/4	1/4
1/2	2,210.32	1/2	1,855.01	1/2	1,491.09	1/2	1,129.31	1/2	774.04	1/2	409.94	1/2	48.08	1/2	1/2	1/2		1/2	1/2
3/4	2,202.80	3/4	1,847.42	3/4	1,483.51	3/4	1,121.95	3/4	766.46	3/4	402.36	3/4	41.20	3/4	3/4	3/4		3/4	3/4
8	2,195.28	8	1,839.84	8	1,475.93	8	1,114.59	8	758.87	8	394.77	8	35.98	8	8	8		8	8
1/4	2,187.77	1/4	1,832.26	1/4	1,468.35	1/4	1,107.23	1/4	751.28	1/4	387.19	1/4	30.76	1/4	1/4	1/4		1/4	1/4
1/2	2,180.25	1/2	1,824.68	1/2	1,460.77	1/2	1,099.87	1/2	743.70	1/2	379.60	1/2	25.53	1/2	1/2	1/2		1/2	1/2
3/4	2,172.73	3/4	1,817.10	3/4	1,453.19	3/4	1,092.51	3/4	736.11	3/4	372.02	3/4	20.31	3/4	3/4	3/4		3/4	3/4
9	2,165.21	9	1,809.52	9	1,445.61	9	1,085.16	9	728.53	9	364.43	9		9	9	9		9	9
1/4	2,157.70	1/4	1,801.94	1/4	1,438.02	1/4	1,077.81	1/4	720.94	1/4	356.85	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,150.18	1/2	1,794.35	1/2	1,430.44	1/2	1,070.45	1/2	713.36	1/2	349.27	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,142.66	3/4	1,786.77	3/4	1,422.86	3/4	1,063.10	3/4	705.77	3/4	341.68	3/4		3/4	3/4	3/4		3/4	3/4
10	2,135.15	10	1,779.19	10	1,415.28	10	1,055.75	10	698.18	10	334.10	10		10	10	10		10	10
1/4	2,127.63	1/4	1,771.61	1/4	1,407.70	1/4	1,048.39	1/4	690.60	1/4	326.51	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,120.11	1/2	1,764.03	1/2	1,400.12	1/2	1,041.04	1/2	683.01	1/2	318.93	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,112.59	3/4	1,756.45	3/4	1,392.53	3/4	1,033.69	3/4	675.43	3/4	311.34	3/4		3/4	3/4	3/4		3/4	3/4
11	2,105.08	11	1,748.87	11	1,384.95	11	1,026.34	11	667.84	11	303.76	11		11	11	11		11	11
1/4	2,097.56	1/4	1,741.28	1/4	1,377.37	1/4	1,018.99	1/4	660.26	1/4	296.18	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,090.04	1/2	1,733.70	1/2	1,369.79	1/2	1,011.64	1/2	652.67	1/2	288.59	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,082.53	3/4	1,726.12	3/4	1,362.21	3/4	1,004.28	3/4	645.08	3/4	281.01	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL
VERIFIED: 09/14/2023 JS
NAME CHANGE: 09/18/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 27313"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 342"

GAUGE HEIGHT 16'-09 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" 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 "KIRBY 27313"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 342"

GAUGE HEIGHT 16'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,460.21	0	2,097.06	0	1,740.01	0	1,376.79	0	1,013.79	0	650.91	0	287.71	0		0		0	
1/4	2,452.65	1/4	2,089.50	1/4	1,732.44	1/4	1,369.23	1/4	1,006.24	1/4	643.35	1/4	280.14	1/4	1/4		1/4		1/4
1/2	2,445.08	1/2	2,082.47	1/2	1,724.88	1/2	1,361.66	1/2	998.69	1/2	635.78	1/2	272.57	1/2	1/2		1/2		1/2
3/4	2,437.52	3/4	2,075.44	3/4	1,717.31	3/4	1,354.09	3/4	991.14	3/4	628.21	3/4	265.01	3/4	3/4		3/4		3/4
1	2,429.95	1	2,068.41	1	1,709.74	1	1,346.53	1	983.58	1	620.65	1	257.44	1	1		1		1
1/4	2,422.39	1/4	2,061.38	1/4	1,702.17	1/4	1,338.96	1/4	976.03	1/4	613.08	1/4	249.87	1/4	1/4		1/4		1/4
1/2	2,414.82	1/2	2,054.54	1/2	1,694.61	1/2	1,331.39	1/2	968.48	1/2	605.51	1/2	242.31	1/2	1/2		1/2		1/2
3/4	2,407.25	3/4	2,047.69	3/4	1,687.04	3/4	1,323.82	3/4	960.93	3/4	597.94	3/4	234.74	3/4	3/4		3/4		3/4
2	2,399.69	2	2,040.84	2	1,679.47	2	1,316.26	2	953.38	2	590.38	2	227.17	2	2		2		2
1/4	2,392.12	1/4	2,033.99	1/4	1,671.91	1/4	1,308.69	1/4	945.83	1/4	582.81	1/4	219.60	1/4	1/4		1/4		1/4
1/2	2,384.56	1/2	2,026.62	1/2	1,664.34	1/2	1,301.12	1/2	938.27	1/2	575.24	1/2	212.04	1/2	1/2		1/2		1/2
3/4	2,376.99	3/4	2,019.26	3/4	1,656.77	3/4	1,293.56	3/4	930.72	3/4	567.68	3/4	204.47	3/4	3/4		3/4		3/4
3	2,369.43	3	2,011.90	3	1,649.21	3	1,285.99	3	923.17	3	560.11	3	196.90	3	3		3		3
1/4	2,361.86	1/4	2,004.54	1/4	1,641.64	1/4	1,278.42	1/4	915.62	1/4	552.54	1/4	189.34	1/4	1/4		1/4		1/4
1/2	2,354.30	1/2	1,997.01	1/2	1,634.07	1/2	1,270.86	1/2	908.07	1/2	544.98	1/2	181.77	1/2	1/2		1/2		1/2
3/4	2,346.73	3/4	1,989.48	3/4	1,626.50	3/4	1,263.29	3/4	900.51	3/4	537.41	3/4	174.20	3/4	3/4		3/4		3/4
4	2,339.16	4	1,981.95	4	1,618.94	4	1,255.72	4	892.96	4	529.84	4	166.64	4	4		4		4
1/4	2,331.60	1/4	1,974.41	1/4	1,611.37	1/4	1,248.15	1/4	885.41	1/4	522.28	1/4	159.07	1/4	1/4		1/4		1/4
1/2	2,324.03	1/2	1,966.88	1/2	1,603.80	1/2	1,240.59	1/2	877.86	1/2	514.71	1/2	151.50	1/2	1/2		1/2		1/2
3/4	2,316.47	3/4	1,959.35	3/4	1,596.24	3/4	1,233.02	3/4	870.31	3/4	507.14	3/4	143.94	3/4	3/4		3/4		3/4
5	2,308.90	5	1,951.82	5	1,588.67	5	1,225.45	5	862.76	5	499.58	5	136.37	5	5		5		5
1/4	2,301.34	1/4	1,944.29	1/4	1,581.10	1/4	1,217.89	1/4	855.20	1/4	492.01	1/4	128.81	1/4	1/4		1/4		1/4
1/2	2,293.77	1/2	1,936.73	1/2	1,573.54	1/2	1,210.32	1/2	847.64	1/2	484.44	1/2	121.25	1/2	1/2		1/2		1/2
3/4	2,286.20	3/4	1,929.17	3/4	1,565.97	3/4	1,202.75	3/4	840.08	3/4	476.88	3/4	113.69	3/4	3/4		3/4		3/4
6	2,278.64	6	1,921.61	6	1,558.40	6	1,195.19	6	832.51	6	469.31	6	106.13	6	6		6		6
1/4	2,271.07	1/4	1,914.05	1/4	1,550.83	1/4	1,187.62	1/4	824.95	1/4	461.74	1/4	98.57	1/4	1/4		1/4		1/4
1/2	2,263.51	1/2	1,906.48	1/2	1,543.27	1/2	1,180.05	1/2	817.38	1/2	454.18	1/2	91.04	1/2	1/2		1/2		1/2
3/4	2,255.94	3/4	1,898.92	3/4	1,535.70	3/4	1,172.48	3/4	809.82	3/4	446.61	3/4	83.50	3/4	3/4		3/4		3/4
7	2,248.38	7	1,891.35	7	1,528.13	7	1,164.92	7	802.25	7	439.04	7	75.96	7	7		7		7
1/4	2,240.81	1/4	1,883.78	1/4	1,520.57	1/4	1,157.35	1/4	794.68	1/4	431.48	1/4	68.43	1/4	1/4		1/4		1/4
1/2	2,233.25	1/2	1,876.22	1/2	1,513.00	1/2	1,149.79	1/2	787.11	1/2	423.91	1/2	61.58	1/2	1/2		1/2		1/2
3/4	2,225.68	3/4	1,868.65	3/4	1,505.43	3/4	1,142.23	3/4	779.55	3/4	416.34	3/4	54.73	3/4	3/4		3/4		3/4
8	2,218.11	8	1,861.08	8	1,497.87	8	1,134.67	8	771.98	8	408.77	8	47.89	8	8		8		8
1/4	2,210.55	1/4	1,853.51	1/4	1,490.30	1/4	1,127.11	1/4	764.41	1/4	401.21	1/4	41.04	1/4	1/4		1/4		1/4
1/2	2,202.98	1/2	1,845.95	1/2	1,482.73	1/2	1,119.55	1/2	756.85	1/2	393.64	1/2	35.84	1/2	1/2		1/2		1/2
3/4	2,195.42	3/4	1,838.38	3/4	1,475.16	3/4	1,111.99	3/4	749.28	3/4	386.07	3/4	30.64	3/4	3/4		3/4		3/4
9	2,187.85	9	1,830.81	9	1,467.60	9	1,104.43	9	741.71	9	378.51	9	25.43	9	9		9		9
1/4	2,180.29	1/4	1,823.25	1/4	1,460.03	1/4	1,096.87	1/4	734.15	1/4	370.94	1/4	20.23	1/4	1/4		1/4		1/4
1/2	2,172.72	1/2	1,815.68	1/2	1,452.46	1/2	1,089.32	1/2	726.58	1/2	363.37	1/2		1/2	1/2		1/2		1/2
3/4	2,165.16	3/4	1,808.11	3/4	1,444.90	3/4	1,081.76	3/4	719.01	3/4	355.81	3/4		3/4	3/4		3/4		3/4
10	2,157.59	10	1,800.55	10	1,437.33	10	1,074.21	10	711.45	10	348.24	10	10	10	10		10		10
1/4	2,150.02	1/4	1,792.98	1/4	1,429.76	1/4	1,066.65	1/4	703.88	1/4	340.67	1/4		1/4	1/4		1/4		1/4
1/2	2,142.46	1/2	1,785.41	1/2	1,422.20	1/2	1,059.10	1/2	696.31	1/2	333.11	1/2		1/2	1/2		1/2		1/2
3/4	2,134.89	3/4	1,777.84	3/4	1,414.63	3/4	1,051.55	3/4	688.75	3/4	325.54	3/4		3/4	3/4		3/4		3/4
11	2,127.33	11	1,770.28	11	1,407.06	11	1,044.00	11	681.18	11	317.97	11	11	11	11		11		11
1/4	2,119.76	1/4	1,762.71	1/4	1,399.49	1/4	1,036.45	1/4	673.61	1/4	310.41	1/4		1/4	1/4		1/4		1/4
1/2	2,112.20	1/2	1,755.14	1/2	1,391.93	1/2	1,028.90	1/2	666.05	1/2	302.84	1/2		1/2	1/2		1/2		1/2
3/4	2,104.63	3/4	1,747.58	3/4	1,384.36	3/4	1,021.34	3/4	658.48	3/4	295.27	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL
VERIFIED: 09/14/2023 JS
NAME CHANGE: 09/18/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 27313"

SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 342"

GAUGE HEIGHT 04'-7 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	16	1/4	798	1/4	1,580	1/4	2,362	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	814	1/2	1,596	1/2	2,378	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	49	3/4	831	3/4	1,613	3/4	2,394	3/4		3/4		3/4		3/4		3/4		3/4	
1	65	1	847	1	1,629	1	2,411	1		1		1		1		1		1	
1/4	81	1/4	863	1/4	1,645	1/4	2,427	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	98	1/2	880	1/2	1,661	1/2	2,443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114	3/4	896	3/4	1,678	3/4	2,460	3/4		3/4		3/4		3/4		3/4		3/4	
2	130	2	912	2	1,694	2	2,476	2		2		2		2		2		2	
1/4	147	1/4	928	1/4	1,710	1/4	2,492	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163	1/2	945	1/2	1,727	1/2	2,508	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	179	3/4	961	3/4	1,743	3/4	2,525	3/4		3/4		3/4		3/4		3/4		3/4	
3	195	3	977	3	1,759	3	2,541	3		3		3		3		3		3	
1/4	212	1/4	994	1/4	1,775	1/4	2,557	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	228	1/2	1,010	1/2	1,792	1/2	2,574	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	244	3/4	1,026	3/4	1,808	3/4	2,590	3/4		3/4		3/4		3/4		3/4		3/4	
4	261	4	1,042	4	1,824	4	2,606	4		4		4		4		4		4	
1/4	277	1/4	1,059	1/4	1,841	1/4	2,622	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	293	1/2	1,075	1/2	1,857	1/2	2,639	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	309	3/4	1,091	3/4	1,873	3/4	2,655	3/4		3/4		3/4		3/4		3/4		3/4	
5	326	5	1,108	5	1,889	5	2,671	5		5		5		5		5		5	
1/4	342	1/4	1,124	1/4	1,906	1/4	2,688	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	358	1/2	1,140	1/2	1,922	1/2	2,704	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	375	3/4	1,156	3/4	1,938	3/4	2,720	3/4		3/4		3/4		3/4		3/4		3/4	
6	391	6	1,173	6	1,955	6	2,736	6		6		6		6		6		6	
1/4	407	1/4	1,189	1/4	1,971	1/4	2,753	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	423	1/2	1,205	1/2	1,987	1/2	2,769	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	1,222	3/4	2,003	3/4	2,785	3/4		3/4		3/4		3/4		3/4		3/4	
7	456	7	1,238	7	2,020	7	2,802	7		7		7		7		7		7	
1/4	472	1/4	1,254	1/4	2,036	1/4	2,818	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	489	1/2	1,270	1/2	2,052	1/2	2,834	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	505	3/4	1,287	3/4	2,069	3/4	2,850	3/4		3/4		3/4		3/4		3/4		3/4	
8	521	8	1,303	8	2,085	8	2,867	8		8		8		8		8		8	
1/4	538	1/4	1,319	1/4	2,101	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	554	1/2	1,336	1/2	2,117	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	570	3/4	1,352	3/4	2,134	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	586	9	1,368	9	2,150	9		9		9		9		9		9		9	
1/4	603	1/4	1,384	1/4	2,166	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	619	1/2	1,401	1/2	2,183	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	635	3/4	1,417	3/4	2,199	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	652	10	1,433	10	2,215	10		10		10		10		10		10		10	
1/4	668	1/4	1,450	1/4	2,231	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	684	1/2	1,466	1/2	2,248	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	700	3/4	1,482	3/4	2,264	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	717	11	1,499	11	2,280	11		11		11		11		11		11		11	
1/4	733	1/4	1,515	1/4	2,297	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	749	1/2	1,531	1/2	2,313	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	766	3/4	1,547	3/4	2,329	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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

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