



BARGE "KIRBY 29083"

ULLAGE TRIM TABLE

FORMERLY "CTCO 253"

	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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
3 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-1/2	00-1/2
3 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-1/2	00-1/2

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

LENGTH BETWEEN DRAFT MARKS: 252'-09"

July 3, 2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29083"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 253"

GAUGE HEIGHT 18'-03 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	5,025.56	0	4,727.39	0	4,411.82	0	4,081.89	0	3,749.92	0	3,417.95	0	3,085.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,019.57	1/4	4,721.02	1/4	4,405.08	1/4	4,074.97	1/4	3,743.00	1/4	3,411.04	1/4	3,079.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,013.50	1/2	4,714.62	1/2	4,398.31	1/2	4,068.06	1/2	3,736.09	1/2	3,404.12	1/2	3,072.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,007.43	3/4	4,708.22	3/4	4,391.54	3/4	4,061.14	3/4	3,729.17	3/4	3,397.20	3/4	3,065.24
1	1	1	1	1	1	1	5,001.36	1	4,701.82	1	4,384.77	1	4,054.22	1	3,722.26	1	3,390.29	1	3,058.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,995.30	1/4	4,695.42	1/4	4,378.00	1/4	4,047.31	1/4	3,715.34	1/4	3,383.37	1/4	3,051.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,989.20	1/2	4,688.99	1/2	4,371.20	1/2	4,040.39	1/2	3,708.42	1/2	3,376.46	1/2	3,044.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,983.10	3/4	4,682.56	3/4	4,364.40	3/4	4,033.48	3/4	3,701.51	3/4	3,369.54	3/4	3,037.57
2	2	2	2	2	2	2	4,977.01	2	4,676.14	2	4,357.60	2	4,026.56	2	3,694.59	2	3,362.62	2	3,030.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,970.91	1/4	4,669.71	1/4	4,350.81	1/4	4,019.64	1/4	3,687.68	1/4	3,355.71	1/4	3,023.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,964.79	1/2	4,663.24	1/2	4,343.98	1/2	4,012.73	1/2	3,680.76	1/2	3,348.79	1/2	3,016.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,958.67	3/4	4,656.78	3/4	4,337.15	3/4	4,005.81	3/4	3,673.84	3/4	3,341.88	3/4	3,009.91
3	3	3	3	3	3	3	4,952.54	3	4,650.32	3	4,330.33	3	3,998.90	3	3,666.93	3	3,334.96	3	3,002.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,946.42	1/4	4,643.85	1/4	4,323.50	1/4	3,991.98	1/4	3,660.01	1/4	3,328.04	1/4	2,996.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,940.27	1/2	4,637.33	1/2	4,316.65	1/2	3,985.06	1/2	3,653.10	1/2	3,321.13	1/2	2,989.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,934.12	3/4	4,630.81	3/4	4,309.79	3/4	3,978.15	3/4	3,646.18	3/4	3,314.21	3/4	2,982.24
4	4	4	4	4	4	4	4,927.97	4	4,624.29	4	4,302.94	4	3,971.23	4	3,639.26	4	3,307.30	4	2,975.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,921.82	1/4	4,617.76	1/4	4,296.09	1/4	3,964.32	1/4	3,632.35	1/4	3,300.38	1/4	2,968.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,915.64	1/2	4,611.21	1/2	4,289.20	1/2	3,957.40	1/2	3,625.43	1/2	3,293.46	1/2	2,961.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,909.46	3/4	4,604.66	3/4	4,282.32	3/4	3,950.48	3/4	3,618.52	3/4	3,286.55	3/4	2,954.58
5	5	5	5	5	5	5	4,903.28	5	4,598.11	5	4,275.44	5	3,943.57	5	3,611.60	5	3,279.63	5	2,947.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,897.11	1/4	4,591.57	1/4	4,268.56	1/4	3,936.65	1/4	3,604.68	1/4	3,272.72	1/4	2,940.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,890.90	1/2	4,584.99	1/2	4,261.66	1/2	3,929.74	1/2	3,597.77	1/2	3,265.80	1/2	2,933.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,884.69	3/4	4,578.41	3/4	4,254.76	3/4	3,922.82	3/4	3,590.85	3/4	3,258.88	3/4	2,926.92
6	6	6	6	6	6	6	4,878.49	6	4,571.83	6	4,247.86	6	3,915.90	6	3,583.94	6	3,251.97	6	2,920.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,872.28	1/4	4,565.26	1/4	4,240.96	1/4	3,908.99	1/4	3,577.02	1/4	3,245.05	1/4	2,913.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,866.05	1/2	4,558.65	1/2	4,234.04	1/2	3,902.07	1/2	3,570.10	1/2	3,238.14	1/2	2,906.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,145.92	3/4	4,859.82	3/4	4,552.05	3/4	4,227.12	3/4	3,895.16	3/4	3,563.19	3/4	3,231.22
7	7	7	7	7	7	7	4,853.58	7	4,545.44	7	4,220.21	7	3,888.24	7	3,556.27	7	3,224.30	7	2,892.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,136.15	1/4	4,847.35	1/4	4,538.84	1/4	4,213.29	1/4	3,881.32	1/4	3,549.36	1/4	3,217.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,130.80	1/2	4,841.09	1/2	4,532.20	1/2	4,206.38	1/2	3,874.41	1/2	3,542.44	1/2	3,210.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,125.44	3/4	4,834.83	3/4	4,525.57	3/4	4,199.46	3/4	3,867.49	3/4	3,535.52	3/4	3,203.56
8	8	8	8	8	8	8	5,120.08	8	4,828.56	8	4,518.94	8	4,192.54	8	3,860.58	8	3,528.61	8	3,196.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,114.73	1/4	4,822.30	1/4	4,512.31	1/4	4,185.63	1/4	3,853.66	1/4	3,521.69	1/4	3,189.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,108.82	1/2	4,816.01	1/2	4,505.65	1/2	4,178.71	1/2	3,846.74	1/2	3,514.78	1/2	3,182.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,102.92	3/4	4,809.72	3/4	4,498.99	3/4	4,171.80	3/4	3,839.83	3/4	3,507.86	3/4	3,175.89
9	9	9	9	9	9	9	5,097.01	9	4,803.44	9	4,492.33	9	4,164.88	9	3,500.94	9	3,168.98	9	2,837.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,091.11	1/4	4,797.15	1/4	4,485.67	1/4	4,157.96	1/4	3,826.00	1/4	3,494.03	1/4	3,162.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,085.18	1/2	4,790.83	1/2	4,478.98	1/2	4,151.05	1/2	3,819.08	1/2	3,487.11	1/2	3,155.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,079.25	3/4	4,784.51	3/4	4,472.29	3/4	4,144.13	3/4	3,812.16	3/4	3,480.20	3/4	3,148.23
10	10	10	10	10	10	10	5,073.32	10	4,778.20	10	4,465.60	10	4,137.22	10	3,805.25	10	3,473.28	10	3,141.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,067.39	1/4	4,771.88	1/4	4,458.92	1/4	4,130.30	1/4	3,798.33	1/4	3,466.36	1/4	3,134.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,061.43	1/2	4,765.54	1/2	4,452.20	1/2	4,123.38	1/2	3,791.42	1/2	3,459.45	1/2	3,127.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,055.47	3/4	4,759.19	3/4	4,445.48	3/4	4,116.47	3/4	3,784.50	3/4	3,452.53	3/4	3,120.56
11	11	11	11	11	11	11	5,049.52	11	4,752.85	11	4,438.77	11	4,109.55	11	3,777.58	11	3,445.62	11	3,113.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,043.56	1/4	4,746.50	1/4	4,432.05	1/4	4,102.64	1/4	3,770.67	1/4	3,438.70	1/4	3,106.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,037.56	1/2	4,740.13	1/2	4,425.31	1/2	4,095.72	1/2	3,763.75	1/2	3,431.78	1/2	3,099.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,031.56	3/4	4,733.76	3/4	4,418.57	3/4	4,088.80	3/4	3,756.84	3/4	3,424.87	3/4	3,092.90

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 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 29083"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 253"

GAUGE HEIGHT 18'-03 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	2,754.02	0	2,421.93	0	2,089.74	0	1,757.55	0	1,425.36	0	1,093.17	0	761.45	0	429.29	0	97.21	0	
1/4	2,747.10	1/4	2,415.00	1/4	2,082.82	1/4	1,750.63	1/4	1,418.44	1/4	1,086.25	1/4	754.54	1/4	422.37	1/4	90.31	1/4	
1/2	2,740.18	1/2	2,408.08	1/2	2,075.90	1/2	1,743.71	1/2	1,411.52	1/2	1,079.33	1/2	747.62	1/2	415.45	1/2	83.59	1/2	
3/4	2,733.27	3/4	2,401.16	3/4	2,068.97	3/4	1,736.79	3/4	1,404.60	3/4	1,072.41	3/4	740.70	3/4	408.53	3/4	76.87	3/4	
1	2,726.35	1	2,394.24	1	2,062.05	1	1,729.87	1	1,397.68	1	1,065.49	1	733.78	1	401.61	1	70.15	1	
1/4	2,719.44	1/4	2,387.32	1/4	2,055.13	1/4	1,722.94	1/4	1,390.76	1/4	1,058.57	1/4	726.86	1/4	394.69	1/4	63.43	1/4	
1/2	2,712.52	1/2	2,380.40	1/2	2,048.21	1/2	1,716.02	1/2	1,383.84	1/2	1,051.65	1/2	719.94	1/2	387.77	1/2	57.55	1/2	
3/4	2,705.60	3/4	2,373.48	3/4	2,041.29	3/4	1,709.10	3/4	1,376.91	3/4	1,044.73	3/4	713.02	3/4	380.85	3/4	51.67	3/4	
2	2,698.69	2	2,366.56	2	2,034.37	2	1,702.18	2	1,369.99	2	1,037.81	2	706.10	2	373.93	2	45.79	2	
1/4	2,691.77	1/4	2,359.64	1/4	2,027.45	1/4	1,695.26	1/4	1,363.07	1/4	1,030.90	1/4	699.18	1/4	367.01	1/4	39.90	1/4	
1/2	2,684.86	1/2	2,352.72	1/2	2,020.53	1/2	1,688.34	1/2	1,356.15	1/2	1,023.99	1/2	692.26	1/2	360.09	1/2	35.41	1/2	
3/4	2,677.94	3/4	2,345.80	3/4	2,013.61	3/4	1,681.42	3/4	1,349.23	3/4	1,017.08	3/4	685.34	3/4	353.18	3/4	30.91	3/4	
3	2,671.02	3	2,338.88	3	2,006.69	3	1,674.50	3	1,342.31	3	1,010.17	3	678.42	3	346.26	3	26.41	3	
1/4	2,664.11	1/4	2,331.96	1/4	1,999.77	1/4	1,667.58	1/4	1,335.39	1/4	1,003.26	1/4	671.50	1/4	339.34	1/4	21.91	1/4	
1/2	2,657.19	1/2	2,325.04	1/2	1,992.85	1/2	1,660.66	1/2	1,328.47	1/2	996.35	1/2	664.58	1/2	332.42	1/2		1/2	
3/4	2,650.28	3/4	2,318.12	3/4	1,985.93	3/4	1,653.74	3/4	1,321.55	3/4	989.45	3/4	657.66	3/4	325.51	3/4		3/4	
4	2,643.36	4	2,311.20	4	1,979.01	4	1,646.82	4	1,314.63	4	982.54	4	650.74	4	318.59	4		4	
1/4	2,636.44	1/4	2,304.28	1/4	1,972.09	1/4	1,639.90	1/4	1,307.71	1/4	975.63	1/4	643.82	1/4	311.67	1/4		1/4	
1/2	2,629.53	1/2	2,297.35	1/2	1,965.17	1/2	1,632.98	1/2	1,300.79	1/2	968.72	1/2	636.90	1/2	304.75	1/2		1/2	
3/4	2,622.61	3/4	2,290.43	3/4	1,958.25	3/4	1,626.06	3/4	1,293.87	3/4	961.81	3/4	629.98	3/4	297.83	3/4		3/4	
5	2,615.70	5	2,283.51	5	1,951.32	5	1,619.14	5	1,286.95	5	954.90	5	623.06	5	290.91	5		5	
1/4	2,608.78	1/4	2,276.59	1/4	1,944.40	1/4	1,612.22	1/4	1,280.03	1/4	947.99	1/4	616.14	1/4	283.99	1/4		1/4	
1/2	2,601.86	1/2	2,269.67	1/2	1,937.48	1/2	1,605.29	1/2	1,273.11	1/2	941.09	1/2	609.22	1/2	277.07	1/2		1/2	
3/4	2,594.94	3/4	2,262.75	3/4	1,930.56	3/4	1,598.37	3/4	1,266.19	3/4	934.18	3/4	602.30	3/4	270.15	3/4		3/4	
6	2,588.02	6	2,255.83	6	1,923.64	6	1,591.45	6	1,259.26	6	927.27	6	595.38	6	263.23	6		6	
1/4	2,581.10	1/4	2,248.91	1/4	1,916.72	1/4	1,584.53	1/4	1,252.34	1/4	920.36	1/4	588.46	1/4	256.31	1/4		1/4	
1/2	2,574.18	1/2	2,241.99	1/2	1,909.80	1/2	1,577.61	1/2	1,245.42	1/2	913.45	1/2	581.54	1/2	249.39	1/2		1/2	
3/4	2,567.26	3/4	2,235.07	3/4	1,902.88	3/4	1,570.69	3/4	1,238.50	3/4	906.54	3/4	574.61	3/4	242.47	3/4		3/4	
7	2,560.34	7	2,228.15	7	1,895.96	7	1,563.77	7	1,231.58	7	899.63	7	567.69	7	235.55	7		7	
1/4	2,553.42	1/4	2,221.23	1/4	1,889.04	1/4	1,556.85	1/4	1,224.66	1/4	892.73	1/4	560.77	1/4	228.63	1/4		1/4	
1/2	2,546.50	1/2	2,214.31	1/2	1,882.12	1/2	1,549.93	1/2	1,217.74	1/2	885.82	1/2	553.85	1/2	221.71	1/2		1/2	
3/4	2,539.58	3/4	2,207.39	3/4	1,875.20	3/4	1,543.01	3/4	1,210.82	3/4	878.91	3/4	546.93	3/4	214.79	3/4		3/4	
8	2,532.66	8	2,200.47	8	1,868.28	8	1,536.09	8	1,203.90	8	872.00	8	540.01	8	207.87	8		8	
1/4	2,525.73	1/4	2,193.55	1/4	1,861.36	1/4	1,529.17	1/4	1,196.98	1/4	865.09	1/4	533.09	1/4	200.95	1/4		1/4	
1/2	2,518.81	1/2	2,186.63	1/2	1,854.44	1/2	1,522.25	1/2	1,190.06	1/2	858.18	1/2	526.17	1/2	194.03	1/2		1/2	
3/4	2,511.89	3/4	2,179.70	3/4	1,847.52	3/4	1,515.33	3/4	1,183.14	3/4	851.27	3/4	519.25	3/4	187.11	3/4		3/4	
9	2,504.97	9	2,172.78	9	1,840.60	9	1,508.41	9	1,176.22	9	844.37	9	512.33	9	180.19	9		9	
1/4	2,498.05	1/4	2,165.86	1/4	1,833.67	1/4	1,501.49	1/4	1,169.30	1/4	837.46	1/4	505.41	1/4	173.27	1/4		1/4	
1/2	2,491.13	1/2	2,158.94	1/2	1,826.75	1/2	1,494.57	1/2	1,162.38	1/2	830.55	1/2	498.49	1/2	166.35	1/2		1/2	
3/4	2,484.21	3/4	2,152.02	3/4	1,819.83	3/4	1,487.64	3/4	1,155.46	3/4	823.64	3/4	491.57	3/4	159.43	3/4		3/4	
10	2,477.29	10	2,145.10	10	1,812.91	10	1,480.72	10	1,148.54	10	816.73	10	484.65	10	152.51	10		10	
1/4	2,470.37	1/4	2,138.18	1/4	1,805.99	1/4	1,473.80	1/4	1,141.61	1/4	809.82	1/4	477.73	1/4	145.59	1/4		1/4	
1/2	2,463.45	1/2	2,131.26	1/2	1,799.07	1/2	1,466.88	1/2	1,134.69	1/2	802.91	1/2	470.81	1/2	138.67	1/2		1/2	
3/4	2,456.53	3/4	2,124.34	3/4	1,792.15	3/4	1,459.96	3/4	1,127.77	3/4	796.00	3/4	463.89	3/4	131.75	3/4		3/4	
11	2,449.61	11	2,117.42	11	1,785.23	11	1,453.04	11	1,120.85	11	789.10	11	456.97	11	124.84	11		11	
1/4	2,442.69	1/4	2,110.50	1/4	1,778.31	1/4	1,446.12	1/4	1,113.93	1/4	782.19	1/4	450.05	1/4	117.92	1/4		1/4	
1/2	2,435.77	1/2	2,103.58	1/2	1,771.39	1/2	1,439.20	1/2	1,107.01	1/2	775.28	1/2	443.13	1/2	111.02	1/2		1/2	
3/4	2,428.85	3/4	2,096.66	3/4	1,764.47	3/4	1,432.28	3/4	1,100.09	3/4	768.37	3/4	436.21	3/4	104.11	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/03/2013 SW - CL
RECALCULATED: 07/05/2023 JS
VERIFIED: 07/03/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "KIRBY 29083"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 253"

GAUGE HEIGHT 18'-03"

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	2,744.29	0	2,412.31	0	2,080.24	0	1,748.17	0	1,416.10	0	1,084.03	0	754.12	0	422.22	0	90.27	0	
1/4	2,737.37	1/4	2,405.39	1/4	2,073.32	1/4	1,741.25	1/4	1,409.18	1/4	1,077.12	1/4	747.24	1/4	415.30	1/4	83.55	1/4	
1/2	2,730.46	1/2	2,398.47	1/2	2,066.40	1/2	1,734.33	1/2	1,402.26	1/2	1,070.22	1/2	740.36	1/2	408.38	1/2	76.84	1/2	
3/4	2,723.55	3/4	2,391.55	3/4	2,059.48	3/4	1,727.41	3/4	1,395.35	3/4	1,063.31	3/4	733.48	3/4	401.46	3/4	70.12	3/4	
1	2,716.63	1	2,384.63	1	2,052.57	1	1,720.50	1	1,388.43	1	1,056.40	1	726.60	1	394.54	1	63.40	1	
1/4	2,709.72	1/4	2,377.72	1/4	2,045.65	1/4	1,713.58	1/4	1,381.51	1/4	1,049.53	1/4	719.68	1/4	387.63	1/4	57.52	1/4	
1/2	2,702.81	1/2	2,370.80	1/2	2,038.73	1/2	1,706.66	1/2	1,374.59	1/2	1,042.65	1/2	712.76	1/2	380.71	1/2	51.65	1/2	
3/4	2,695.89	3/4	2,363.88	3/4	2,031.81	3/4	1,699.74	3/4	1,367.67	3/4	1,035.78	3/4	705.84	3/4	373.79	3/4	45.77	3/4	
2	2,688.98	2	2,356.96	2	2,024.89	2	1,692.82	2	1,360.76	2	1,028.90	2	698.93	2	366.88	2	39.89	2	
1/4	2,682.07	1/4	2,350.04	1/4	2,017.97	1/4	1,685.91	1/4	1,353.84	1/4	1,022.03	1/4	692.01	1/4	359.96	1/4	35.39	1/4	
1/2	2,675.15	1/2	2,343.13	1/2	2,011.06	1/2	1,678.99	1/2	1,346.92	1/2	1,015.15	1/2	685.09	1/2	353.05	1/2	30.90	1/2	
3/4	2,668.24	3/4	2,336.21	3/4	2,004.14	3/4	1,672.07	3/4	1,340.00	3/4	1,008.28	3/4	678.17	3/4	346.13	3/4	26.40	3/4	
3	2,661.33	3	2,329.29	3	1,997.22	3	1,665.15	3	1,333.08	3	1,001.41	3	671.26	3	339.22	3	21.90	3	
1/4	2,654.41	1/4	2,322.37	1/4	1,990.30	1/4	1,658.23	1/4	1,326.16	1/4	994.54	1/4	664.34	1/4	332.30	1/4		1/4	
1/2	2,647.50	1/2	2,315.45	1/2	1,983.38	1/2	1,651.32	1/2	1,319.25	1/2	987.67	1/2	657.42	1/2	325.39	1/2		1/2	
3/4	2,640.59	3/4	2,308.53	3/4	1,976.47	3/4	1,644.40	3/4	1,312.33	3/4	980.80	3/4	650.50	3/4	318.47	3/4		3/4	
4	2,633.67	4	2,301.62	4	1,969.55	4	1,637.48	4	1,305.41	4	973.93	4	643.58	4	311.56	4		4	
1/4	2,626.76	1/4	2,294.70	1/4	1,962.63	1/4	1,630.56	1/4	1,298.49	1/4	967.06	1/4	636.67	1/4	304.64	1/4		1/4	
1/2	2,619.84	1/2	2,287.78	1/2	1,955.71	1/2	1,623.64	1/2	1,291.57	1/2	960.19	1/2	629.75	1/2	297.72	1/2		1/2	
3/4	2,612.93	3/4	2,280.86	3/4	1,948.79	3/4	1,616.72	3/4	1,284.66	3/4	953.32	3/4	622.83	3/4	290.80	3/4		3/4	
5	2,606.01	5	2,273.94	5	1,941.88	5	1,609.81	5	1,277.74	5	946.46	5	615.91	5	283.89	5		5	
1/4	2,599.10	1/4	2,267.03	1/4	1,934.96	1/4	1,602.89	1/4	1,270.82	1/4	939.59	1/4	609.00	1/4	276.97	1/4		1/4	
1/2	2,592.18	1/2	2,260.11	1/2	1,928.04	1/2	1,595.97	1/2	1,263.90	1/2	932.72	1/2	602.08	1/2	270.05	1/2		1/2	
3/4	2,585.26	3/4	2,253.19	3/4	1,921.12	3/4	1,589.05	3/4	1,256.98	3/4	925.85	3/4	595.16	3/4	263.13	3/4		3/4	
6	2,578.34	6	2,246.27	6	1,914.20	6	1,582.13	6	1,250.07	6	918.98	6	588.24	6	256.22	6		6	
1/4	2,571.42	1/4	2,239.35	1/4	1,907.29	1/4	1,575.22	1/4	1,243.15	1/4	912.11	1/4	581.32	1/4	249.30	1/4		1/4	
1/2	2,564.50	1/2	2,232.44	1/2	1,900.37	1/2	1,568.30	1/2	1,236.23	1/2	905.24	1/2	574.41	1/2	242.38	1/2		1/2	
3/4	2,557.59	3/4	2,225.52	3/4	1,893.45	3/4	1,561.38	3/4	1,229.31	3/4	898.37	3/4	567.49	3/4	235.46	3/4		3/4	
7	2,550.67	7	2,218.60	7	1,886.53	7	1,554.46	7	1,222.39	7	891.50	7	560.57	7	228.54	7		7	
1/4	2,543.75	1/4	2,211.68	1/4	1,879.61	1/4	1,547.54	1/4	1,215.48	1/4	884.63	1/4	553.65	1/4	221.63	1/4		1/4	
1/2	2,536.83	1/2	2,204.76	1/2	1,872.69	1/2	1,540.63	1/2	1,208.56	1/2	877.77	1/2	546.74	1/2	214.71	1/2		1/2	
3/4	2,529.91	3/4	2,197.85	3/4	1,865.78	3/4	1,533.71	3/4	1,201.64	3/4	870.90	3/4	539.82	3/4	207.79	3/4		3/4	
8	2,523.00	8	2,190.93	8	1,858.86	8	1,526.79	8	1,194.72	8	864.03	8	532.90	8	200.87	8		8	
1/4	2,516.08	1/4	2,184.01	1/4	1,851.94	1/4	1,519.87	1/4	1,187.80	1/4	857.16	1/4	525.98	1/4	193.96	1/4		1/4	
1/2	2,509.16	1/2	2,177.09	1/2	1,845.02	1/2	1,512.95	1/2	1,180.88	1/2	850.29	1/2	519.06	1/2	187.04	1/2		1/2	
3/4	2,502.24	3/4	2,170.17	3/4	1,838.10	3/4	1,506.04	3/4	1,173.97	3/4	843.42	3/4	512.15	3/4	180.12	3/4		3/4	
9	2,495.32	9	2,163.25	9	1,831.19	9	1,499.12	9	1,167.05	9	836.55	9	505.23	9	173.20	9		9	
1/4	2,488.41	1/4	2,156.34	1/4	1,824.27	1/4	1,492.20	1/4	1,160.13	1/4	829.68	1/4	498.31	1/4	166.28	1/4		1/4	
1/2	2,481.49	1/2	2,149.42	1/2	1,817.35	1/2	1,485.28	1/2	1,153.21	1/2	822.81	1/2	491.39	1/2	159.37	1/2		1/2	
3/4	2,474.57	3/4	2,142.50	3/4	1,810.43	3/4	1,478.36	3/4	1,146.29	3/4	815.94	3/4	484.48	3/4	152.45	3/4		3/4	
10	2,467.65	10	2,135.58	10	1,803.51	10	1,471.44	10	1,139.38	10	809.08	10	477.56	10	145.53	10		10	
1/4	2,460.73	1/4	2,128.66	1/4	1,796.60	1/4	1,464.53	1/4	1,132.46	1/4	802.21	1/4	470.64	1/4	138.62	1/4		1/4	
1/2	2,453.82	1/2	2,121.75	1/2	1,789.68	1/2	1,457.61	1/2	1,125.54	1/2	795.34	1/2	463.72	1/2	131.70	1/2		1/2	
3/4	2,446.90	3/4	2,114.83	3/4	1,782.76	3/4	1,450.69	3/4	1,118.62	3/4	788.47	3/4	456.80	3/4	124.79	3/4		3/4	
11	2,439.98	11	2,107.91	11	1,775.84	11	1,443.77	11	1,111.70	11	781.60	11	449.89	11	117.88	11		11	
1/4	2,433.06	1/4	2,100.99	1/4	1,768.92	1/4	1,436.85	1/4	1,104.79	1/4	774.73	1/4	442.97	1/4	110.97	1/4		1/4	
1/2	2,426.14	1/2	2,094.07	1/2	1,762.01	1/2	1,429.94	1/2	1,097.87	1/2	767.86	1/2	436.05	1/2	104.07	1/2		1/2	
3/4	2,419.22	3/4	2,087.16	3/4	1,755.09	3/4	1,423.02	3/4	1,090.95	3/4	760.99	3/4	429.13	3/4	97.17	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/03/2013 SW - CL
RECALCULATED: 07/05/2023 JS
VERIFIED: 07/03/2023 JS

CANCELS AND SUPERCEDES
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PRECISION MEASUREMENT
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BARGE "KIRBY 29083"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 253"

GAUGE HEIGHT 18'-03 1/2"

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	5,012.97	0	4,716.28	0	4,402.26	0	4,073.70	0	3,742.97	0	3,412.24	0	3,081.51
1/4		1/4		1/4		1/4	5,007.00	1/4	4,709.93	1/4	4,395.54	1/4	4,066.81	1/4	3,736.08	1/4	3,405.35	1/4	3,074.62
1/2		1/2		1/2		1/2	5,001.02	1/2	4,703.59	1/2	4,388.82	1/2	4,059.92	1/2	3,729.19	1/2	3,398.46	1/2	3,067.73
3/4		3/4		3/4		3/4	4,994.98	3/4	4,697.21	3/4	4,382.08	3/4	4,053.03	3/4	3,722.30	3/4	3,391.57	3/4	3,060.84
1		1		1		1	4,988.93	1	4,690.83	1	4,375.33	1	4,046.14	1	3,715.41	1	3,384.68	1	3,053.95
1/4		1/4		1/4		1/4	4,982.89	1/4	4,684.46	1/4	4,368.59	1/4	4,039.25	1/4	3,708.52	1/4	3,377.79	1/4	3,047.06
1/2		1/2		1/2		1/2	4,976.84	1/2	4,678.08	1/2	4,361.84	1/2	4,032.36	1/2	3,701.63	1/2	3,370.90	1/2	3,040.17
3/4		3/4		3/4		3/4	4,970.77	3/4	4,671.68	3/4	4,355.07	3/4	4,025.47	3/4	3,694.74	3/4	3,364.01	3/4	3,033.28
2		2		2		2	4,964.70	2	4,665.28	2	4,348.30	2	4,018.58	2	3,687.85	2	3,357.12	2	3,026.39
1/4		1/4		1/4		1/4	4,958.62	1/4	4,658.87	1/4	4,341.52	1/4	4,011.69	1/4	3,680.96	1/4	3,350.23	1/4	3,019.50
1/2		1/2		1/2		1/2	4,952.55	1/2	4,652.47	1/2	4,334.75	1/2	4,004.80	1/2	3,674.07	1/2	3,343.34	1/2	3,012.61
3/4		3/4		3/4		3/4	4,946.45	3/4	4,646.03	3/4	4,327.95	3/4	3,997.91	3/4	3,667.18	3/4	3,336.45	3/4	3,005.72
3		3		3		3	4,940.35	3	4,639.59	3	4,321.15	3	3,991.02	3	3,660.29	3	3,329.56	3	2,998.83
1/4		1/4		1/4		1/4	4,934.25	1/4	4,633.15	1/4	4,314.35	1/4	3,984.13	1/4	3,653.40	1/4	3,322.67	1/4	2,991.94
1/2		1/2		1/2		1/2	4,928.15	1/2	4,626.71	1/2	4,307.55	1/2	3,977.24	1/2	3,646.51	1/2	3,315.78	1/2	2,985.05
3/4		3/4		3/4		3/4	4,922.02	3/4	4,620.21	3/4	4,300.72	3/4	3,970.35	3/4	3,639.62	3/4	3,308.89	3/4	2,978.16
4		4		4		4	4,915.89	4	4,613.71	4	4,293.89	4	3,963.46	4	3,632.73	4	3,302.00	4	2,971.27
1/4		1/4		1/4		1/4	4,909.77	1/4	4,607.21	1/4	4,287.06	1/4	3,956.57	1/4	3,625.84	1/4	3,295.11	1/4	2,964.38
1/2		1/2		1/2		1/2	4,903.64	1/2	4,600.72	1/2	4,280.23	1/2	3,949.68	1/2	3,618.95	1/2	3,288.22	1/2	2,957.49
3/4		3/4		3/4		3/4	4,897.48	3/4	4,594.19	3/4	4,273.38	3/4	3,942.79	3/4	3,612.06	3/4	3,281.33	3/4	2,950.60
5		5		5		5	4,891.33	5	4,587.67	5	4,266.52	5	3,935.90	5	3,605.17	5	3,274.44	5	2,943.71
1/4		1/4		1/4		1/4	4,885.17	1/4	4,581.14	1/4	4,259.67	1/4	3,929.01	1/4	3,598.28	1/4	3,267.55	1/4	2,936.82
1/2		1/2		1/2		1/2	4,879.02	1/2	4,574.62	1/2	4,252.81	1/2	3,922.12	1/2	3,591.39	1/2	3,260.66	1/2	2,929.93
3/4		3/4		3/4		3/4	4,872.84	3/4	4,568.06	3/4	4,245.93	3/4	3,915.23	3/4	3,584.50	3/4	3,253.77	3/4	2,923.04
6		6		6		6	4,866.65	6	4,561.51	6	4,239.05	6	3,908.34	6	3,577.61	6	3,246.88	6	2,916.15
1/4		1/4		1/4		1/4	4,860.47	1/4	4,554.96	1/4	4,232.17	1/4	3,901.45	1/4	3,570.72	1/4	3,239.99	1/4	2,909.26
1/2		1/2		1/2		1/2	4,854.29	1/2	4,548.40	1/2	4,225.29	1/2	3,894.56	1/2	3,563.83	1/2	3,233.10	1/2	2,902.37
3/4		3/4		3/4		3/4	4,848.08	3/4	4,541.82	3/4	4,218.40	3/4	3,887.67	3/4	3,556.94	3/4	3,226.21	3/4	2,895.48
7		7		7	5,126.91	7	4,841.87	7	4,535.24	7	4,211.51	7	3,880.78	7	3,550.05	7	3,219.32	7	2,888.59
1/4		1/4		1/4	5,122.04	1/4	4,835.66	1/4	4,528.66	1/4	4,204.62	1/4	3,873.89	1/4	3,543.16	1/4	3,212.43	1/4	2,881.70
1/2		1/2		1/2	5,117.18	1/2	4,829.45	1/2	4,522.08	1/2	4,197.73	1/2	3,867.00	1/2	3,536.27	1/2	3,205.54	1/2	2,874.81
3/4		3/4		3/4	5,111.84	3/4	4,823.21	3/4	4,515.48	3/4	4,190.83	3/4	3,860.11	3/4	3,529.38	3/4	3,198.65	3/4	2,867.92
8		8		8	5,106.50	8	4,816.97	8	4,508.87	8	4,183.94	8	3,853.22	8	3,522.49	8	3,191.76	8	2,861.03
1/4		1/4		1/4	5,101.16	1/4	4,810.73	1/4	4,502.26	1/4	4,177.05	1/4	3,846.32	1/4	3,515.60	1/4	3,184.87	1/4	2,854.14
1/2		1/2		1/2	5,095.82	1/2	4,804.49	1/2	4,495.65	1/2	4,170.16	1/2	3,839.43	1/2	3,508.71	1/2	3,177.98	1/2	2,847.25
3/4		3/4		3/4	5,089.94	3/4	4,798.23	3/4	4,489.02	3/4	4,163.27	3/4	3,832.54	3/4	3,501.81	3/4	3,171.09	3/4	2,840.36
9		9		9	5,084.06	9	4,791.96	9	4,482.38	9	4,156.38	9	3,825.65	9	3,494.92	9	3,164.20	9	2,833.47
1/4		1/4		1/4	5,078.18	1/4	4,785.70	1/4	4,475.75	1/4	4,149.49	1/4	3,818.76	1/4	3,488.03	1/4	3,157.30	1/4	2,826.58
1/2		1/2		1/2	5,072.30	1/2	4,779.43	1/2	4,469.11	1/2	4,142.60	1/2	3,811.87	1/2	3,481.14	1/2	3,150.41	1/2	2,819.69
3/4		3/4		3/4	5,066.39	3/4	4,773.14	3/4	4,462.45	3/4	4,135.71	3/4	3,804.98	3/4	3,474.25	3/4	3,143.52	3/4	2,812.79
10		10		10	5,060.48	10	4,766.85	10	4,455.78	10	4,128.82	10	3,798.09	10	3,467.36	10	3,136.63	10	2,805.90
1/4		1/4		1/4	5,054.57	1/4	4,760.55	1/4	4,449.12	1/4	4,121.93	1/4	3,791.20	1/4	3,460.47	1/4	3,129.74	1/4	2,799.01
1/2		1/2		1/2	5,048.67	1/2	4,754.26	1/2	4,442.46	1/2	4,115.04	1/2	3,784.31	1/2	3,453.58	1/2	3,122.85	1/2	2,792.12
3/4		3/4		3/4	5,042.73	3/4	4,747.94	3/4	4,435.77	3/4	4,108.15	3/4	3,777.42	3/4	3,446.69	3/4	3,115.96	3/4	2,785.23
11		11		11	5,036.80	11	4,741.62	11	4,429.08	11	4,101.26	11	3,770.53	11	3,439.80	11	3,109.07	11	2,778.34
1/4		1/4		1/4	5,030.86	1/4	4,735.30	1/4	4,422.39	1/4	4,094.37	1/4	3,763.64	1/4	3,432.91	1/4	3,102.18	1/4	2,771.45
1/2		1/2		1/2	5,024.93	1/2	4,728.98	1/2	4,415.70	1/2	4,087.48	1/2	3,756.75	1/2	3,426.02	1/2	3,095.29	1/2	2,764.56
3/4		3/4		3/4	5,018.95	3/4	4,722.63	3/4	4,408.98	3/4	4,080.59	3/4	3,749.86	3/4	3,419.13	3/4	3,088.40	3/4	2,757.67

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29083"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 253"

GAUGE HEIGHT 18'-03 1/2"

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	2,750.78	0	2,419.93	0	2,088.98	0	1,758.02	0	1,427.07	0	1,096.11	0	765.51	0	434.59	0	103.72	0	
1/4	2,743.89	1/4	2,413.04	1/4	2,082.08	1/4	1,751.13	1/4	1,420.17	1/4	1,089.22	1/4	758.62	1/4	427.69	1/4	96.84	1/4	
1/2	2,737.00	1/2	2,406.14	1/2	2,075.19	1/2	1,744.23	1/2	1,413.28	1/2	1,082.32	1/2	751.74	1/2	420.80	1/2	89.97	1/2	
3/4	2,730.11	3/4	2,399.25	3/4	2,068.29	3/4	1,737.34	3/4	1,406.38	3/4	1,075.43	3/4	744.84	3/4	413.90	3/4	83.27	3/4	
1	2,723.22	1	2,392.35	1	2,061.40	1	1,730.44	1	1,399.49	1	1,068.53	1	737.95	1	407.01	1	76.58	1	
1/4	2,716.33	1/4	2,385.46	1/4	2,054.50	1/4	1,723.55	1/4	1,392.59	1/4	1,061.64	1/4	731.05	1/4	400.11	1/4	69.88	1/4	
1/2	2,709.44	1/2	2,378.56	1/2	2,047.61	1/2	1,716.65	1/2	1,385.70	1/2	1,054.74	1/2	724.16	1/2	393.22	1/2	63.19	1/2	
3/4	2,702.55	3/4	2,371.67	3/4	2,040.71	3/4	1,709.76	3/4	1,378.80	3/4	1,047.85	3/4	717.26	3/4	386.32	3/4	57.33	3/4	
2	2,695.66	2	2,364.77	2	2,033.82	2	1,702.86	2	1,371.91	2	1,040.96	2	710.37	2	379.43	2	51.47	2	
1/4	2,688.77	1/4	2,357.88	1/4	2,026.92	1/4	1,695.97	1/4	1,365.01	1/4	1,034.06	1/4	703.47	1/4	372.54	1/4	45.61	1/4	
1/2	2,681.88	1/2	2,350.98	1/2	2,020.03	1/2	1,689.07	1/2	1,358.12	1/2	1,027.17	1/2	696.58	1/2	365.64	1/2	39.75	1/2	
3/4	2,674.99	3/4	2,344.09	3/4	2,013.13	3/4	1,682.18	3/4	1,351.22	3/4	1,020.29	3/4	689.69	3/4	358.75	3/4	35.27	3/4	
3	2,668.10	3	2,337.19	3	2,006.24	3	1,675.28	3	1,344.33	3	1,013.40	3	682.79	3	351.86	3	30.79	3	
1/4	2,661.21	1/4	2,330.30	1/4	1,999.34	1/4	1,668.39	1/4	1,337.43	1/4	1,006.52	1/4	675.90	1/4	344.97	1/4	26.31	1/4	
1/2	2,654.32	1/2	2,323.40	1/2	1,992.45	1/2	1,661.49	1/2	1,330.54	1/2	999.63	1/2	669.00	1/2	338.08	1/2	21.83	1/2	
3/4	2,647.43	3/4	2,316.51	3/4	1,985.55	3/4	1,654.60	3/4	1,323.64	3/4	992.74	3/4	662.11	3/4	331.19	3/4		3/4	
4	2,640.54	4	2,309.61	4	1,978.66	4	1,647.70	4	1,316.75	4	985.86	4	655.21	4	324.29	4		4	
1/4	2,633.65	1/4	2,302.72	1/4	1,971.76	1/4	1,640.81	1/4	1,309.85	1/4	978.97	1/4	648.32	1/4	317.40	1/4		1/4	
1/2	2,626.76	1/2	2,295.82	1/2	1,964.87	1/2	1,633.91	1/2	1,302.96	1/2	972.09	1/2	641.42	1/2	310.51	1/2		1/2	
3/4	2,619.87	3/4	2,288.93	3/4	1,957.97	3/4	1,627.02	3/4	1,296.06	3/4	965.20	3/4	634.53	3/4	303.62	3/4		3/4	
5	2,612.98	5	2,282.03	5	1,951.08	5	1,620.12	5	1,289.17	5	958.32	5	627.63	5	296.72	5		5	
1/4	2,606.09	1/4	2,275.14	1/4	1,944.18	1/4	1,613.23	1/4	1,282.27	1/4	951.43	1/4	620.74	1/4	289.83	1/4		1/4	
1/2	2,599.20	1/2	2,268.25	1/2	1,937.29	1/2	1,606.33	1/2	1,275.38	1/2	944.54	1/2	613.85	1/2	282.93	1/2		1/2	
3/4	2,592.31	3/4	2,261.35	3/4	1,930.39	3/4	1,599.44	3/4	1,268.48	3/4	937.66	3/4	606.95	3/4	276.04	3/4		3/4	
6	2,585.41	6	2,254.46	6	1,923.50	6	1,592.54	6	1,261.59	6	930.77	6	600.06	6	269.14	6		6	
1/4	2,578.52	1/4	2,247.56	1/4	1,916.61	1/4	1,585.65	1/4	1,254.69	1/4	923.89	1/4	593.16	1/4	262.25	1/4		1/4	
1/2	2,571.62	1/2	2,240.67	1/2	1,909.71	1/2	1,578.76	1/2	1,247.80	1/2	917.00	1/2	586.27	1/2	255.35	1/2		1/2	
3/4	2,564.73	3/4	2,233.77	3/4	1,902.82	3/4	1,571.86	3/4	1,240.90	3/4	910.12	3/4	579.37	3/4	248.46	3/4		3/4	
7	2,557.83	7	2,226.88	7	1,895.92	7	1,564.97	7	1,234.01	7	903.23	7	572.48	7	241.56	7		7	
1/4	2,550.94	1/4	2,219.98	1/4	1,889.03	1/4	1,558.07	1/4	1,227.12	1/4	896.34	1/4	565.58	1/4	234.67	1/4		1/4	
1/2	2,544.04	1/2	2,213.09	1/2	1,882.13	1/2	1,551.18	1/2	1,220.22	1/2	889.46	1/2	558.69	1/2	227.78	1/2		1/2	
3/4	2,537.15	3/4	2,206.19	3/4	1,875.24	3/4	1,544.28	3/4	1,213.33	3/4	882.57	3/4	551.79	3/4	220.88	3/4		3/4	
8	2,530.25	8	2,199.30	8	1,868.34	8	1,537.39	8	1,206.43	8	875.69	8	544.90	8	213.99	8		8	
1/4	2,523.36	1/4	2,192.40	1/4	1,861.45	1/4	1,530.49	1/4	1,199.54	1/4	868.80	1/4	538.00	1/4	207.09	1/4		1/4	
1/2	2,516.46	1/2	2,185.51	1/2	1,854.55	1/2	1,523.60	1/2	1,192.64	1/2	861.92	1/2	531.11	1/2	200.20	1/2		1/2	
3/4	2,509.57	3/4	2,178.61	3/4	1,847.66	3/4	1,516.70	3/4	1,185.75	3/4	855.03	3/4	524.22	3/4	193.30	3/4		3/4	
9	2,502.67	9	2,171.72	9	1,840.76	9	1,509.81	9	1,178.85	9	848.14	9	517.32	9	186.41	9		9	
1/4	2,495.78	1/4	2,164.82	1/4	1,833.87	1/4	1,502.91	1/4	1,171.96	1/4	841.26	1/4	510.43	1/4	179.51	1/4		1/4	
1/2	2,488.88	1/2	2,157.93	1/2	1,826.97	1/2	1,496.02	1/2	1,165.06	1/2	834.37	1/2	503.53	1/2	172.62	1/2		1/2	
3/4	2,481.99	3/4	2,151.03	3/4	1,820.08	3/4	1,489.12	3/4	1,158.17	3/4	827.49	3/4	496.64	3/4	165.72	3/4		3/4	
10	2,475.09	10	2,144.14	10	1,813.18	10	1,482.23	10	1,151.27	10	820.60	10	489.74	10	158.83	10		10	
1/4	2,468.20	1/4	2,137.24	1/4	1,806.29	1/4	1,475.33	1/4	1,144.38	1/4	813.72	1/4	482.85	1/4	151.94	1/4		1/4	
1/2	2,461.30	1/2	2,130.35	1/2	1,799.39	1/2	1,468.44	1/2	1,137.48	1/2	806.83	1/2	475.95	1/2	145.04	1/2		1/2	
3/4	2,454.41	3/4	2,123.45	3/4	1,792.50	3/4	1,461.54	3/4	1,130.59	3/4	799.94	3/4	469.06	3/4	138.15	3/4		3/4	
11	2,447.51	11	2,116.56	11	1,785.60	11	1,454.65	11	1,123.69	11	793.06	11	462.16	11	131.26	11		11	
1/4	2,440.62	1/4	2,109.66	1/4	1,778.71	1/4	1,447.75	1/4	1,116.80	1/4	786.17	1/4	455.27	1/4	124.37	1/4		1/4	
1/2	2,433.72	1/2	2,102.77	1/2	1,771.81	1/2	1,440.86	1/2	1,109.90	1/2	779.29	1/2	448.37	1/2	117.48	1/2		1/2	
3/4	2,426.83	3/4	2,095.87	3/4	1,764.92	3/4	1,433.96	3/4	1,103.01	3/4	772.40	3/4	441.48	3/4	110.60	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/03/2013 SW - CL
RECALCULATED: 07/05/2023 JS
VERIFIED: 07/03/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "KIRBY 29083"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 253"

GAUGE HEIGHT 18'-03"

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	4,965.09	0	4,636.25	0	4,305.94	0	3,975.21	0	3,644.49	0	3,313.76	0	2,983.03
1/4		1/4		1/4		1/4	4,958.24	1/4	4,629.40	1/4	4,299.05	1/4	3,968.32	1/4	3,637.60	1/4	3,306.87	1/4	2,976.14
1/2		1/2		1/2		1/2	4,951.39	1/2	4,622.55	1/2	4,292.16	1/2	3,961.43	1/2	3,630.70	1/2	3,299.98	1/2	2,969.25
3/4		3/4		3/4		3/4	4,944.54	3/4	4,615.69	3/4	4,285.27	3/4	3,954.54	3/4	3,623.81	3/4	3,293.09	3/4	2,962.36
1		1		1		1	4,937.69	1	4,608.84	1	4,278.38	1	3,947.65	1	3,616.92	1	3,286.19	1	2,955.47
1/4		1/4		1/4		1/4	4,930.84	1/4	4,601.99	1/4	4,271.49	1/4	3,940.76	1/4	3,610.03	1/4	3,279.30	1/4	2,948.58
1/2		1/2		1/2		1/2	4,923.99	1/2	4,595.14	1/2	4,264.60	1/2	3,933.87	1/2	3,603.14	1/2	3,272.41	1/2	2,941.68
3/4		3/4		3/4		3/4	4,917.13	3/4	4,588.29	3/4	4,257.71	3/4	3,926.98	3/4	3,596.25	3/4	3,265.52	3/4	2,934.79
2		2		2		2	4,910.28	2	4,581.44	2	4,250.82	2	3,920.09	2	3,589.36	2	3,258.63	2	2,927.90
1/4		1/4		1/4		1/4	4,903.43	1/4	4,574.58	1/4	4,243.93	1/4	3,913.20	1/4	3,582.47	1/4	3,251.74	1/4	2,921.01
1/2		1/2		1/2		1/2	4,896.58	1/2	4,567.72	1/2	4,237.04	1/2	3,906.31	1/2	3,575.58	1/2	3,244.85	1/2	2,914.12
3/4		3/4		3/4		3/4	4,889.73	3/4	4,560.85	3/4	4,230.15	3/4	3,899.42	3/4	3,568.69	3/4	3,237.96	3/4	2,907.23
3		3		3		3	4,882.88	3	4,553.99	3	4,223.26	3	3,892.53	3	3,561.80	3	3,231.07	3	2,900.34
1/4		1/4		1/4		1/4	4,876.03	1/4	4,547.10	1/4	4,216.37	1/4	3,885.64	1/4	3,554.91	1/4	3,224.18	1/4	2,893.45
1/2		1/2		1/2		1/2	4,869.18	1/2	4,540.21	1/2	4,209.48	1/2	3,878.75	1/2	3,548.02	1/2	3,217.29	1/2	2,886.56
3/4		3/4		3/4		3/4	4,862.33	3/4	4,533.32	3/4	4,202.59	3/4	3,871.86	3/4	3,541.13	3/4	3,210.40	3/4	2,879.67
4		4		4		4	4,855.48	4	4,526.43	4	4,195.70	4	3,864.97	4	3,534.24	4	3,203.51	4	2,872.78
1/4		1/4		1/4		1/4	4,848.63	1/4	4,519.54	1/4	4,188.81	1/4	3,858.08	1/4	3,527.35	1/4	3,196.62	1/4	2,865.89
1/2		1/2		1/2		1/2	4,841.77	1/2	4,512.65	1/2	4,181.92	1/2	3,851.19	1/2	3,520.46	1/2	3,189.73	1/2	2,859.00
3/4		3/4		3/4		3/4	4,834.92	3/4	4,505.76	3/4	4,175.03	3/4	3,844.30	3/4	3,513.57	3/4	3,182.84	3/4	2,852.11
5		5		5		5	4,828.07	5	4,498.87	5	4,168.14	5	3,837.41	5	3,506.68	5	3,175.95	5	2,845.22
1/4		1/4		1/4		1/4	4,821.22	1/4	4,491.98	1/4	4,161.25	1/4	3,830.52	1/4	3,499.79	1/4	3,169.06	1/4	2,838.33
1/2		1/2		1/2		1/2	4,814.37	1/2	4,485.09	1/2	4,154.36	1/2	3,823.63	1/2	3,492.90	1/2	3,162.17	1/2	2,831.44
3/4		3/4		3/4		3/4	4,807.52	3/4	4,478.20	3/4	4,147.47	3/4	3,816.74	3/4	3,486.01	3/4	3,155.28	3/4	2,824.55
6		6		6		6	4,800.67	6	4,471.31	6	4,140.58	6	3,809.85	6	3,479.12	6	3,148.39	6	2,817.66
1/4		1/4		1/4		1/4	4,793.82	1/4	4,464.42	1/4	4,133.69	1/4	3,802.96	1/4	3,472.23	1/4	3,141.50	1/4	2,810.77
1/2		1/2		1/2	5,109.22	1/2	4,786.97	1/2	4,457.53	1/2	4,126.80	1/2	3,796.07	1/2	3,465.34	1/2	3,134.61	1/2	2,803.88
3/4		3/4		3/4	5,104.12	3/4	4,780.12	3/4	4,450.64	3/4	4,119.91	3/4	3,789.18	3/4	3,458.45	3/4	3,127.72	3/4	2,796.99
7		7		7	5,099.01	7	4,773.27	7	4,443.75	7	4,113.02	7	3,782.29	7	3,451.56	7	3,120.83	7	2,790.10
1/4		1/4		1/4	5,092.73	1/4	4,766.41	1/4	4,436.86	1/4	4,106.13	1/4	3,775.40	1/4	3,444.67	1/4	3,113.94	1/4	2,783.21
1/2		1/2		1/2	5,086.45	1/2	4,759.56	1/2	4,429.97	1/2	4,099.24	1/2	3,768.51	1/2	3,437.78	1/2	3,107.05	1/2	2,776.32
3/4		3/4		3/4	5,080.17	3/4	4,752.71	3/4	4,423.08	3/4	4,092.35	3/4	3,761.62	3/4	3,430.89	3/4	3,100.16	3/4	2,769.43
8		8		8	5,073.89	8	4,745.86	8	4,416.19	8	4,085.46	8	3,754.73	8	3,424.00	8	3,093.27	8	2,762.54
1/4		1/4		1/4	5,067.09	1/4	4,739.01	1/4	4,409.30	1/4	4,078.57	1/4	3,747.84	1/4	3,417.11	1/4	3,086.38	1/4	2,755.65
1/2		1/2		1/2	5,060.29	1/2	4,732.16	1/2	4,402.41	1/2	4,071.68	1/2	3,740.95	1/2	3,410.22	1/2	3,079.49	1/2	2,748.76
3/4		3/4		3/4	5,053.49	3/4	4,725.31	3/4	4,395.52	3/4	4,064.79	3/4	3,734.06	3/4	3,403.33	3/4	3,072.60	3/4	2,741.87
9		9		9	5,046.69	9	4,718.46	9	4,388.63	9	4,057.90	9	3,727.17	9	3,396.44	9	3,065.71	9	2,734.98
1/4		1/4		1/4	5,039.90	1/4	4,711.61	1/4	4,381.74	1/4	4,051.01	1/4	3,720.28	1/4	3,389.55	1/4	3,058.82	1/4	2,728.09
1/2		1/2		1/2	5,033.10	1/2	4,704.76	1/2	4,374.85	1/2	4,044.12	1/2	3,713.39	1/2	3,382.66	1/2	3,051.93	1/2	2,721.20
3/4		3/4		3/4	5,026.31	3/4	4,697.91	3/4	4,367.96	3/4	4,037.23	3/4	3,706.50	3/4	3,375.77	3/4	3,045.04	3/4	2,714.31
10		10		10	5,019.51	10	4,691.05	10	4,361.07	10	4,030.34	10	3,699.61	10	3,368.88	10	3,038.15	10	2,707.42
1/4		1/4		1/4	5,012.71	1/4	4,684.20	1/4	4,354.18	1/4	4,023.45	1/4	3,692.72	1/4	3,361.99	1/4	3,031.26	1/4	2,700.53
1/2		1/2		1/2	5,005.92	1/2	4,677.35	1/2	4,347.29	1/2	4,016.56	1/2	3,685.83	1/2	3,355.10	1/2	3,024.37	1/2	2,693.64
3/4		3/4		3/4	4,999.12	3/4	4,670.50	3/4	4,340.40	3/4	4,009.67	3/4	3,678.94	3/4	3,348.21	3/4	3,017.48	3/4	2,686.75
11		11		11	4,992.33	11	4,663.65	11	4,333.51	11	4,002.78	11	3,672.05	11	3,341.32	11	3,010.59	11	2,679.86
1/4		1/4		1/4	4,985.52	1/4	4,656.80	1/4	4,326.61	1/4	3,995.89	1/4	3,665.16	1/4	3,334.43	1/4	3,003.70	1/4	2,672.97
1/2		1/2		1/2	4,978.71	1/2	4,649.95	1/2	4,319.72	1/2	3,989.00	1/2	3,658.27	1/2	3,327.54	1/2	2,996.81	1/2	2,666.08
3/4		3/4		3/4	4,971.90	3/4	4,643.10	3/4	4,312.83	3/4	3,982.11	3/4	3,651.38	3/4	3,320.65	3/4	2,989.92	3/4	2,659.19

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 10'-06" OFF CENTERLINE AND 41'-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 "KIRBY 29083"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 253"

GAUGE HEIGHT 18'-03"

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	2,652.30	0	2,321.44	0	1,990.48	0	1,659.53	0	1,328.57	0	997.62	0	701.88	0	403.43	0	88.14	0	
1/4	2,645.41	1/4	2,314.54	1/4	1,983.59	1/4	1,652.63	1/4	1,321.68	1/4	990.81	1/4	696.06	1/4	397.01	1/4	81.59	1/4	
1/2	2,638.52	1/2	2,307.65	1/2	1,976.69	1/2	1,645.74	1/2	1,314.78	1/2	984.01	1/2	690.25	1/2	390.59	1/2	75.04	1/2	
3/4	2,631.63	3/4	2,300.75	3/4	1,969.80	3/4	1,638.84	3/4	1,307.89	3/4	977.20	3/4	684.43	3/4	384.17	3/4	68.49	3/4	
1	2,624.74	1	2,293.86	1	1,962.90	1	1,631.95	1	1,300.99	1	970.40	1	678.61	1	377.75	1	61.94	1	
1/4	2,617.85	1/4	2,286.96	1/4	1,956.01	1/4	1,625.05	1/4	1,294.10	1/4	963.86	1/4	672.49	1/4	371.31	1/4	56.20	1/4	
1/2	2,610.96	1/2	2,280.07	1/2	1,949.11	1/2	1,618.16	1/2	1,287.20	1/2	957.33	1/2	666.38	1/2	364.86	1/2	50.45	1/2	
3/4	2,604.07	3/4	2,273.17	3/4	1,942.22	3/4	1,611.26	3/4	1,280.31	3/4	950.80	3/4	660.26	3/4	358.41	3/4	44.71	3/4	
2	2,597.17	2	2,266.28	2	1,935.32	2	1,604.37	2	1,273.41	2	944.27	2	654.14	2	351.97	2	38.97	2	
1/4	2,590.28	1/4	2,259.38	1/4	1,928.43	1/4	1,597.47	1/4	1,266.52	1/4	937.74	1/4	648.00	1/4	345.50	1/4	34.58	1/4	
1/2	2,583.39	1/2	2,252.49	1/2	1,921.53	1/2	1,590.58	1/2	1,259.62	1/2	931.21	1/2	641.86	1/2	339.03	1/2	30.19	1/2	
3/4	2,576.50	3/4	2,245.59	3/4	1,914.64	3/4	1,583.68	3/4	1,252.73	3/4	924.69	3/4	635.71	3/4	332.55	3/4	25.80	3/4	
3	2,569.61	3	2,238.70	3	1,907.74	3	1,576.79	3	1,245.83	3	918.16	3	629.57	3	326.08	3	21.40	3	
1/4	2,562.72	1/4	2,231.80	1/4	1,900.85	1/4	1,569.89	1/4	1,238.94	1/4	911.63	1/4	623.40	1/4	319.58	1/4		1/4	
1/2	2,555.83	1/2	2,224.91	1/2	1,893.95	1/2	1,563.00	1/2	1,232.04	1/2	905.10	1/2	617.23	1/2	313.08	1/2		1/2	
3/4	2,548.94	3/4	2,218.01	3/4	1,887.06	3/4	1,556.10	3/4	1,225.15	3/4	898.58	3/4	611.05	3/4	306.59	3/4		3/4	
4	2,542.05	4	2,211.12	4	1,880.16	4	1,549.21	4	1,218.25	4	892.05	4	604.88	4	300.09	4		4	
1/4	2,535.16	1/4	2,204.22	1/4	1,873.27	1/4	1,542.31	1/4	1,211.36	1/4	885.52	1/4	598.68	1/4	293.56	1/4		1/4	
1/2	2,528.27	1/2	2,197.33	1/2	1,866.37	1/2	1,535.42	1/2	1,204.46	1/2	878.99	1/2	592.48	1/2	287.03	1/2		1/2	
3/4	2,521.38	3/4	2,190.43	3/4	1,859.48	3/4	1,528.52	3/4	1,197.57	3/4	872.47	3/4	586.29	3/4	280.50	3/4		3/4	
5	2,514.49	5	2,183.54	5	1,852.58	5	1,521.63	5	1,190.67	5	865.94	5	580.09	5	273.97	5		5	
1/4	2,507.60	1/4	2,176.64	1/4	1,845.69	1/4	1,514.73	1/4	1,183.78	1/4	859.41	1/4	573.86	1/4	267.41	1/4		1/4	
1/2	2,500.70	1/2	2,169.75	1/2	1,838.79	1/2	1,507.84	1/2	1,176.88	1/2	852.88	1/2	567.63	1/2	260.85	1/2		1/2	
3/4	2,493.81	3/4	2,162.85	3/4	1,831.90	3/4	1,500.94	3/4	1,169.99	3/4	846.36	3/4	561.41	3/4	254.30	3/4		3/4	
6	2,486.91	6	2,155.96	6	1,825.00	6	1,494.05	6	1,163.09	6	839.83	6	555.18	6	247.74	6		6	
1/4	2,480.02	1/4	2,149.06	1/4	1,818.11	1/4	1,487.15	1/4	1,156.20	1/4	833.54	1/4	548.93	1/4	241.15	1/4		1/4	
1/2	2,473.12	1/2	2,142.17	1/2	1,811.21	1/2	1,480.26	1/2	1,149.30	1/2	827.25	1/2	542.67	1/2	234.57	1/2		1/2	
3/4	2,466.23	3/4	2,135.27	3/4	1,804.32	3/4	1,473.36	3/4	1,142.41	3/4	820.96	3/4	536.42	3/4	227.99	3/4		3/4	
7	2,459.33	7	2,128.38	7	1,797.42	7	1,466.47	7	1,135.51	7	814.67	7	530.16	7	221.40	7		7	
1/4	2,452.44	1/4	2,121.48	1/4	1,790.53	1/4	1,459.57	1/4	1,128.62	1/4	809.08	1/4	523.88	1/4	214.79	1/4		1/4	
1/2	2,445.54	1/2	2,114.59	1/2	1,783.63	1/2	1,452.68	1/2	1,121.72	1/2	803.50	1/2	517.60	1/2	208.18	1/2		1/2	
3/4	2,438.65	3/4	2,107.69	3/4	1,776.74	3/4	1,445.78	3/4	1,114.83	3/4	797.92	3/4	511.32	3/4	201.56	3/4		3/4	
8	2,431.75	8	2,100.80	8	1,769.84	8	1,438.89	8	1,107.93	8	792.33	8	505.04	8	194.95	8		8	
1/4	2,424.86	1/4	2,093.90	1/4	1,762.95	1/4	1,431.99	1/4	1,101.04	1/4	786.72	1/4	498.73	1/4	188.31	1/4		1/4	
1/2	2,417.96	1/2	2,087.01	1/2	1,756.05	1/2	1,425.10	1/2	1,094.14	1/2	781.11	1/2	492.42	1/2	181.67	1/2		1/2	
3/4	2,411.07	3/4	2,080.11	3/4	1,749.16	3/4	1,418.20	3/4	1,087.25	3/4	775.50	3/4	486.11	3/4	175.03	3/4		3/4	
9	2,404.17	9	2,073.22	9	1,742.26	9	1,411.31	9	1,080.35	9	769.89	9	479.80	9	168.39	9		9	
1/4	2,397.28	1/4	2,066.32	1/4	1,735.37	1/4	1,404.41	1/4	1,073.46	1/4	764.25	1/4	473.46	1/4	161.73	1/4		1/4	
1/2	2,390.39	1/2	2,059.43	1/2	1,728.47	1/2	1,397.52	1/2	1,066.56	1/2	758.61	1/2	467.13	1/2	155.06	1/2		1/2	
3/4	2,383.49	3/4	2,052.53	3/4	1,721.58	3/4	1,390.62	3/4	1,059.67	3/4	752.97	3/4	460.79	3/4	148.39	3/4		3/4	
10	2,376.60	10	2,045.64	10	1,714.68	10	1,383.73	10	1,052.77	10	747.33	10	454.45	10	141.72	10		10	
1/4	2,369.70	1/4	2,038.75	1/4	1,707.79	1/4	1,376.83	1/4	1,045.88	1/4	741.66	1/4	448.09	1/4	135.03	1/4		1/4	
1/2	2,362.81	1/2	2,031.85	1/2	1,700.90	1/2	1,369.94	1/2	1,038.98	1/2	736.00	1/2	441.73	1/2	128.34	1/2		1/2	
3/4	2,355.91	3/4	2,024.96	3/4	1,694.00	3/4	1,363.04	3/4	1,032.09	3/4	730.33	3/4	435.36	3/4	121.65	3/4		3/4	
11	2,349.02	11	2,018.06	11	1,687.11	11	1,356.15	11	1,025.19	11	724.66	11	429.00	11	114.96	11		11	
1/4	2,342.12	1/4	2,011.17	1/4	1,680.21	1/4	1,349.26	1/4	1,018.30	1/4	718.97	1/4	422.61	1/4	108.25	1/4		1/4	
1/2	2,335.23	1/2	2,004.27	1/2	1,673.32	1/2	1,342.36	1/2	1,011.41	1/2	713.27	1/2	416.21	1/2	101.55	1/2		1/2	
3/4	2,328.33	3/4	1,997.38	3/4	1,666.42	3/4	1,335.47	3/4	1,004.51	3/4	707.58	3/4	409.82	3/4	94.84	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/03/2013 SW - CL
RECALCULATED: 07/05/2023 JS
VERIFIED: 07/03/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "KIRBY 29083"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 253"

GAUGE HEIGHT 18'-03 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	4,436.61	0	4,258.51	0	4,068.05	0	3,867.57	0	3,665.72	0	3,389.57	0	3,060.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,433.06	1/4	4,254.69	1/4	4,063.96	1/4	3,863.37	1/4	3,661.51	1/4	3,387.71	1/4	3,053.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,429.45	1/2	4,250.86	1/2	4,059.85	1/2	3,859.16	1/2	3,657.31	1/2	3,375.85	1/2	3,046.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,425.84	3/4	4,247.02	3/4	4,055.75	3/4	3,854.96	3/4	3,653.10	3/4	3,368.99	3/4	3,039.77
1		1		1		1	4,422.23	1	4,243.18	1	4,051.64	1	3,850.75	1	3,648.90	1	3,362.13	1	3,032.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,418.61	1/4	4,239.34	1/4	4,047.54	1/4	3,846.55	1/4	3,644.69	1/4	3,355.27	1/4	3,026.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,414.98	1/2	4,235.48	1/2	4,043.41	1/2	3,842.34	1/2	3,640.49	1/2	3,348.41	1/2	3,019.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,411.35	3/4	4,231.62	3/4	4,039.29	3/4	3,838.14	3/4	3,636.28	3/4	3,341.55	3/4	3,012.34
2		2		2		2	4,407.72	2	4,227.76	2	4,035.16	2	3,833.93	2	3,632.08	2	3,334.70	2	3,005.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,404.09	1/4	4,223.91	1/4	4,031.04	1/4	3,829.73	1/4	3,627.87	1/4	3,327.84	1/4	2,998.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,400.44	1/2	4,220.02	1/2	4,026.89	1/2	3,825.52	1/2	3,623.67	1/2	3,320.98	1/2	2,991.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,396.79	3/4	4,216.13	3/4	4,022.75	3/4	3,821.32	3/4	3,619.46	3/4	3,314.12	3/4	2,984.90
3		3		3		3	4,393.14	3	4,212.25	3	4,018.61	3	3,817.11	3	3,615.26	3	3,307.26	3	2,978.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,389.49	1/4	4,208.36	1/4	4,014.46	1/4	3,812.90	1/4	3,611.05	1/4	3,300.40	1/4	2,971.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,385.82	1/2	4,204.42	1/2	4,010.30	1/2	3,808.70	1/2	3,606.84	1/2	3,293.54	1/2	2,964.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,382.16	3/4	4,200.49	3/4	4,006.14	3/4	3,804.49	3/4	3,602.64	3/4	3,286.68	3/4	2,957.47
4		4		4		4	4,378.49	4	4,196.55	4	4,001.97	4	3,800.29	4	3,598.43	4	3,279.83	4	2,950.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,374.82	1/4	4,192.62	1/4	3,997.81	1/4	3,796.08	1/4	3,594.23	1/4	3,272.97	1/4	2,943.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,371.13	1/2	4,188.66	1/2	3,993.63	1/2	3,791.88	1/2	3,589.49	1/2	3,266.11	1/2	2,936.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,367.44	3/4	4,184.71	3/4	3,989.45	3/4	3,787.67	3/4	3,584.76	3/4	3,259.25	3/4	2,930.03
5		5		5		5	4,363.76	5	4,180.75	5	3,985.27	5	3,783.47	5	3,580.02	5	3,252.39	5	2,923.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,360.07	1/4	4,176.80	1/4	3,981.09	1/4	3,779.26	1/4	3,574.75	1/4	3,245.53	1/4	2,916.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,356.36	1/2	4,172.83	1/2	3,976.89	1/2	3,775.06	1/2	3,567.89	1/2	3,238.67	1/2	2,909.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,352.65	3/4	4,168.85	3/4	3,972.69	3/4	3,770.85	3/4	3,561.03	3/4	3,231.82	3/4	2,902.60
6		6		6		6	4,348.95	6	4,164.88	6	3,968.49	6	3,766.65	6	3,554.17	6	3,224.96	6	2,895.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,345.24	1/4	4,160.91	1/4	3,964.30	1/4	3,762.44	1/4	3,547.32	1/4	3,218.10	1/4	2,888.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,341.52	1/2	4,156.92	1/2	3,960.09	1/2	3,758.24	1/2	3,540.46	1/2	3,211.24	1/2	2,882.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,505.59	3/4	4,337.79	3/4	4,152.92	3/4	3,955.88	3/4	3,754.03	3/4	3,533.60	3/4	3,204.38
7		7		7		7	4,503.33	7	4,334.07	7	4,148.93	7	3,951.68	7	3,749.82	7	3,526.74	7	3,197.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,501.07	1/4	4,330.34	1/4	4,144.94	1/4	3,947.47	1/4	3,745.62	1/4	3,519.88	1/4	3,190.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,498.12	1/2	4,326.60	1/2	4,140.93	1/2	3,943.27	1/2	3,741.41	1/2	3,513.02	1/2	3,183.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,495.17	3/4	4,322.85	3/4	4,136.92	3/4	3,939.06	3/4	3,737.21	3/4	3,506.16	3/4	3,176.95
8		8		8		8	4,492.22	8	4,319.11	8	4,132.91	8	3,934.86	8	3,733.00	8	3,499.30	8	3,170.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,489.28	1/4	4,315.36	1/4	4,128.89	1/4	3,930.65	1/4	3,728.80	1/4	3,492.45	1/4	3,163.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,485.79	1/2	4,311.60	1/2	4,124.86	1/2	3,926.45	1/2	3,724.59	1/2	3,485.59	1/2	3,156.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,482.31	3/4	4,307.84	3/4	4,120.83	3/4	3,922.24	3/4	3,720.39	3/4	3,478.73	3/4	3,149.51
9		9		9		9	4,478.83	9	4,304.07	9	4,116.80	9	3,918.04	9	3,716.18	9	3,471.87	9	3,142.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,475.34	1/4	4,300.31	1/4	4,112.77	1/4	3,913.83	1/4	3,711.98	1/4	3,465.01	1/4	3,135.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,471.84	1/2	4,296.53	1/2	4,108.73	1/2	3,909.63	1/2	3,707.77	1/2	3,458.15	1/2	3,128.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,468.34	3/4	4,292.74	3/4	4,104.68	3/4	3,905.42	3/4	3,703.57	3/4	3,451.29	3/4	3,122.08
10		10		10		10	4,464.84	10	4,288.96	10	4,100.63	10	3,901.22	10	3,699.36	10	3,444.43	10	3,115.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,461.34	1/4	4,285.18	1/4	4,096.58	1/4	3,897.01	1/4	3,695.16	1/4	3,437.58	1/4	3,108.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,457.82	1/2	4,281.38	1/2	4,092.51	1/2	3,892.81	1/2	3,690.95	1/2	3,430.72	1/2	3,101.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,454.30	3/4	4,277.58	3/4	4,088.44	3/4	3,888.60	3/4	3,686.75	3/4	3,423.86	3/4	3,094.64
11		11		11		11	4,450.79	11	4,273.78	11	4,084.38	11	3,884.39	11	3,682.54	11	3,417.00	11	3,087.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,447.27	1/4	4,269.98	1/4	4,080.31	1/4	3,880.19	1/4	3,678.33	1/4	3,410.14	1/4	3,080.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,443.72	1/2	4,266.16	1/2	4,076.22	1/2	3,875.98	1/2	3,674.13	1/2	3,403.28	1/2	3,074.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,440.16	3/4	4,262.33	3/4	4,072.13	3/4	3,871.78	3/4	3,669.92	3/4	3,396.42	3/4	3,067.21

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 10'-06" OFF CENTERLINE AND 41'-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 "KIRBY 29083"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 253"

GAUGE HEIGHT 18'-03 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	2,731.13	0	2,401.78	0	2,072.35	0	1,743.01	0	1,413.57	0	1,084.13	0	755.16	0	425.74	0	96.41	0	
1/4	2,724.27	1/4	2,394.92	1/4	2,065.49	1/4	1,736.15	1/4	1,406.71	1/4	1,077.27	1/4	748.30	1/4	418.88	1/4	89.56	1/4	
1/2	2,717.41	1/2	2,388.06	1/2	2,058.63	1/2	1,729.28	1/2	1,399.84	1/2	1,070.41	1/2	741.44	1/2	412.02	1/2	82.90	1/2	
3/4	2,710.55	3/4	2,381.19	3/4	2,051.77	3/4	1,722.42	3/4	1,392.98	3/4	1,063.54	3/4	734.58	3/4	405.15	3/4	76.23	3/4	
1	2,703.70	1	2,374.33	1	2,044.91	1	1,715.56	1	1,386.12	1	1,056.68	1	727.71	1	398.29	1	69.57	1	
1/4	2,696.84	1/4	2,367.47	1/4	2,038.06	1/4	1,708.69	1/4	1,379.25	1/4	1,049.82	1/4	720.85	1/4	391.43	1/4	62.90	1/4	
1/2	2,689.98	1/2	2,360.60	1/2	2,031.20	1/2	1,701.83	1/2	1,372.39	1/2	1,042.96	1/2	713.99	1/2	384.56	1/2	57.07	1/2	
3/4	2,683.12	3/4	2,353.74	3/4	2,024.34	3/4	1,694.97	3/4	1,365.53	3/4	1,036.09	3/4	707.12	3/4	377.70	3/4	51.24	3/4	
2	2,676.26	2	2,346.88	2	2,017.48	2	1,688.10	2	1,358.66	2	1,029.23	2	700.26	2	370.84	2	45.41	2	
1/4	2,669.40	1/4	2,340.01	1/4	2,010.62	1/4	1,681.24	1/4	1,351.80	1/4	1,022.37	1/4	693.40	1/4	363.98	1/4	39.58	1/4	
1/2	2,662.54	1/2	2,333.15	1/2	2,003.76	1/2	1,674.38	1/2	1,344.94	1/2	1,015.52	1/2	686.54	1/2	357.12	1/2	35.12	1/2	
3/4	2,655.68	3/4	2,326.29	3/4	1,996.90	3/4	1,667.51	3/4	1,338.07	3/4	1,008.67	3/4	679.67	3/4	350.26	3/4	30.66	3/4	
3	2,648.83	3	2,319.42	3	1,990.04	3	1,660.65	3	1,331.21	3	1,001.82	3	672.81	3	343.40	3	26.20	3	
1/4	2,641.97	1/4	2,312.56	1/4	1,983.18	1/4	1,653.79	1/4	1,324.35	1/4	994.97	1/4	665.95	1/4	336.54	1/4	21.73	1/4	
1/2	2,635.11	1/2	2,305.69	1/2	1,976.32	1/2	1,646.92	1/2	1,317.48	1/2	988.12	1/2	659.08	1/2	329.68	1/2		1/2	
3/4	2,628.25	3/4	2,298.83	3/4	1,969.46	3/4	1,640.06	3/4	1,310.62	3/4	981.27	3/4	652.22	3/4	322.82	3/4		3/4	
4	2,621.39	4	2,291.97	4	1,962.60	4	1,633.20	4	1,303.76	4	974.41	4	645.36	4	315.96	4		4	
1/4	2,614.53	1/4	2,285.10	1/4	1,955.74	1/4	1,626.33	1/4	1,296.89	1/4	967.56	1/4	638.49	1/4	309.10	1/4		1/4	
1/2	2,607.67	1/2	2,278.24	1/2	1,948.88	1/2	1,619.47	1/2	1,290.03	1/2	960.71	1/2	631.63	1/2	302.23	1/2		1/2	
3/4	2,600.81	3/4	2,271.38	3/4	1,942.02	3/4	1,612.61	3/4	1,283.17	3/4	953.86	3/4	624.77	3/4	295.37	3/4		3/4	
5	2,593.95	5	2,264.51	5	1,935.16	5	1,605.74	5	1,276.30	5	947.01	5	617.91	5	288.51	5		5	
1/4	2,587.09	1/4	2,257.65	1/4	1,928.30	1/4	1,598.88	1/4	1,269.44	1/4	940.16	1/4	611.04	1/4	281.64	1/4		1/4	
1/2	2,580.23	1/2	2,250.79	1/2	1,921.44	1/2	1,592.02	1/2	1,262.58	1/2	933.31	1/2	604.18	1/2	274.78	1/2		1/2	
3/4	2,573.37	3/4	2,243.92	3/4	1,914.58	3/4	1,585.15	3/4	1,255.71	3/4	926.45	3/4	597.32	3/4	267.92	3/4		3/4	
6	2,566.50	6	2,237.06	6	1,907.72	6	1,578.29	6	1,248.85	6	919.60	6	590.45	6	261.06	6		6	
1/4	2,559.64	1/4	2,230.20	1/4	1,900.86	1/4	1,571.43	1/4	1,241.99	1/4	912.75	1/4	583.59	1/4	254.19	1/4		1/4	
1/2	2,552.78	1/2	2,223.33	1/2	1,894.00	1/2	1,564.56	1/2	1,235.12	1/2	905.90	1/2	576.73	1/2	247.33	1/2		1/2	
3/4	2,545.91	3/4	2,216.47	3/4	1,887.14	3/4	1,557.70	3/4	1,228.26	3/4	899.05	3/4	569.86	3/4	240.47	3/4		3/4	
7	2,539.05	7	2,209.61	7	1,880.27	7	1,550.84	7	1,221.40	7	892.20	7	563.00	7	233.60	7		7	
1/4	2,532.19	1/4	2,202.74	1/4	1,873.41	1/4	1,543.97	1/4	1,214.54	1/4	885.35	1/4	556.14	1/4	226.74	1/4		1/4	
1/2	2,525.32	1/2	2,195.88	1/2	1,866.55	1/2	1,537.11	1/2	1,207.67	1/2	878.49	1/2	549.28	1/2	219.88	1/2		1/2	
3/4	2,518.46	3/4	2,189.02	3/4	1,859.69	3/4	1,530.25	3/4	1,200.81	3/4	871.64	3/4	542.41	3/4	213.01	3/4		3/4	
8	2,511.60	8	2,182.15	8	1,852.82	8	1,523.38	8	1,193.95	8	864.79	8	535.55	8	206.15	8		8	
1/4	2,504.73	1/4	2,175.29	1/4	1,845.96	1/4	1,516.52	1/4	1,187.08	1/4	857.94	1/4	528.69	1/4	199.29	1/4		1/4	
1/2	2,497.87	1/2	2,168.43	1/2	1,839.10	1/2	1,509.66	1/2	1,180.22	1/2	851.09	1/2	521.82	1/2	192.42	1/2		1/2	
3/4	2,491.01	3/4	2,161.56	3/4	1,832.23	3/4	1,502.79	3/4	1,173.36	3/4	844.24	3/4	514.96	3/4	185.56	3/4		3/4	
9	2,484.14	9	2,154.70	9	1,825.37	9	1,495.93	9	1,166.49	9	837.39	9	508.10	9	178.70	9		9	
1/4	2,477.28	1/4	2,147.84	1/4	1,818.51	1/4	1,489.07	1/4	1,159.63	1/4	830.53	1/4	501.23	1/4	171.84	1/4		1/4	
1/2	2,470.42	1/2	2,140.97	1/2	1,811.64	1/2	1,482.20	1/2	1,152.77	1/2	823.68	1/2	494.37	1/2	164.97	1/2		1/2	
3/4	2,463.55	3/4	2,134.11	3/4	1,804.78	3/4	1,475.34	3/4	1,145.90	3/4	816.83	3/4	487.51	3/4	158.11	3/4		3/4	
10	2,456.69	10	2,127.25	10	1,797.92	10	1,468.48	10	1,139.04	10	809.98	10	480.65	10	151.25	10		10	
1/4	2,449.83	1/4	2,120.38	1/4	1,791.05	1/4	1,461.61	1/4	1,132.18	1/4	803.13	1/4	473.78	1/4	144.38	1/4		1/4	
1/2	2,442.96	1/2	2,113.52	1/2	1,784.19	1/2	1,454.75	1/2	1,125.31	1/2	796.28	1/2	466.92	1/2	137.52	1/2		1/2	
3/4	2,436.10	3/4	2,106.66	3/4	1,777.33	3/4	1,447.89	3/4	1,118.45	3/4	789.43	3/4	460.06	3/4	130.67	3/4		3/4	
11	2,429.24	11	2,099.79	11	1,770.46	11	1,441.02	11	1,111.59	11	782.57	11	453.19	11	123.81	11		11	
1/4	2,422.37	1/4	2,092.93	1/4	1,763.60	1/4	1,434.16	1/4	1,104.72	1/4	775.72	1/4	446.33	1/4	116.95	1/4		1/4	
1/2	2,415.51	1/2	2,086.07	1/2	1,756.74	1/2	1,427.30	1/2	1,097.86	1/2	768.87	1/2	439.47	1/2	110.10	1/2		1/2	
3/4	2,408.65	3/4	2,079.21	3/4	1,749.87	3/4	1,420.43	3/4	1,091.00	3/4	762.01	3/4	432.60	3/4	103.25	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/03/2013 SW - CL
RECALCULATED: 07/05/2023 JS
VERIFIED: 07/03/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "KIRBY 29083"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 253"

GAUGE HEIGHT 18'-03 1/2"

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	4,416.92	0	4,239.03	0	4,048.76	0	3,848.33	0	3,646.40	0	3,373.04	0	3,044.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,413.37	1/4	4,235.20	1/4	4,044.67	1/4	3,844.12	1/4	3,642.19	1/4	3,366.19	1/4	3,038.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,409.82	1/2	4,231.38	1/2	4,040.58	1/2	3,839.91	1/2	3,637.99	1/2	3,359.35	1/2	3,031.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,406.20	3/4	4,227.54	3/4	4,036.47	3/4	3,835.71	3/4	3,633.78	3/4	3,352.50	3/4	3,024.42
1		1		1		1	4,402.59	1	4,223.70	1	4,032.36	1	3,831.50	1	3,629.57	1	3,345.66	1	3,017.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,398.98	1/4	4,219.86	1/4	4,028.26	1/4	3,827.29	1/4	3,625.37	1/4	3,338.81	1/4	3,010.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,395.36	1/2	4,216.02	1/2	4,024.15	1/2	3,823.09	1/2	3,621.16	1/2	3,331.96	1/2	3,003.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,391.73	3/4	4,212.16	3/4	4,020.02	3/4	3,818.88	3/4	3,616.95	3/4	3,325.12	3/4	2,997.18
2		2		2		2	4,388.10	2	4,208.30	2	4,015.90	2	3,814.67	2	3,612.75	2	3,318.27	2	2,990.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,384.47	1/4	4,204.44	1/4	4,011.77	1/4	3,810.46	1/4	3,608.54	1/4	3,311.43	1/4	2,983.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,380.83	1/2	4,200.58	1/2	4,007.64	1/2	3,806.26	1/2	3,604.33	1/2	3,304.58	1/2	2,976.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,377.18	3/4	4,196.69	3/4	4,003.50	3/4	3,802.05	3/4	3,600.12	3/4	3,297.74	3/4	2,969.93
3		3		3		3	4,373.53	3	4,192.81	3	3,999.35	3	3,797.84	3	3,595.92	3	3,290.89	3	2,963.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,369.88	1/4	4,188.92	1/4	3,995.21	1/4	3,793.64	1/4	3,591.71	1/4	3,284.05	1/4	2,956.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,366.23	1/2	4,185.03	1/2	3,991.06	1/2	3,789.43	1/2	3,587.50	1/2	3,277.20	1/2	2,949.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,362.56	3/4	4,181.09	3/4	3,986.90	3/4	3,785.22	3/4	3,583.30	3/4	3,270.35	3/4	2,942.63
4		4		4		4	4,358.89	4	4,177.16	4	3,982.74	4	3,781.02	4	3,579.09	4	3,263.51	4	2,935.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,355.22	1/4	4,173.22	1/4	3,978.57	1/4	3,776.81	1/4	3,574.88	1/4	3,256.66	1/4	2,928.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,351.55	1/2	4,169.28	1/2	3,974.41	1/2	3,772.60	1/2	3,570.68	1/2	3,249.82	1/2	2,922.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,347.86	3/4	4,165.33	3/4	3,970.22	3/4	3,768.40	3/4	3,565.94	3/4	3,242.97	3/4	2,915.25
5		5		5		5	4,344.17	5	4,161.37	5	3,966.04	5	3,764.19	5	3,561.20	5	3,236.13	5	2,908.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,340.48	1/4	4,157.42	1/4	3,961.86	1/4	3,759.98	1/4	3,556.46	1/4	3,229.28	1/4	2,901.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,336.80	1/2	4,153.46	1/2	3,957.67	1/2	3,755.78	1/2	3,551.20	1/2	3,222.44	1/2	2,894.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,333.09	3/4	4,149.49	3/4	3,953.47	3/4	3,751.57	3/4	3,544.33	3/4	3,215.59	3/4	2,887.87
6		6		6		6	4,329.38	6	4,145.51	6	3,949.28	6	3,747.36	6	3,537.47	6	3,208.74	6	2,881.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,325.67	1/4	4,141.54	1/4	3,945.08	1/4	3,743.16	1/4	3,530.61	1/4	3,201.90	1/4	2,874.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,321.96	1/2	4,137.56	1/2	3,940.88	1/2	3,738.95	1/2	3,523.75	1/2	3,195.05	1/2	2,867.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,318.24	3/4	4,133.57	3/4	3,936.67	3/4	3,734.74	3/4	3,516.89	3/4	3,188.21	3/4	2,860.49
7		7		6	4,482.37	7	4,314.51	7	4,129.57	7	3,932.46	7	3,730.54	7	3,510.03	7	3,181.36	7	2,853.64
1/4	1/4	1/4	1/4	1/4	4,480.11	1/4	4,310.78	1/4	4,125.58	1/4	3,928.26	1/4	3,726.33	1/4	3,503.17	1/4	3,174.52	1/4	2,846.79
1/2	1/2	1/2	1/2	1/2	4,477.84	1/2	4,307.06	1/2	4,121.59	1/2	3,924.05	1/2	3,722.12	1/2	3,496.31	1/2	3,167.67	1/2	2,839.95
3/4	3/4	3/4	3/4	3/4	4,474.90	3/4	4,303.31	3/4	4,117.58	3/4	3,919.84	3/4	3,717.92	3/4	3,489.45	3/4	3,160.82	3/4	2,833.10
8		8		8	4,471.95	8	4,299.57	8	4,113.56	8	3,915.63	8	3,713.71	8	3,482.59	8	3,153.98	8	2,826.26
1/4	1/4	1/4	1/4	1/4	4,469.00	1/4	4,295.82	1/4	4,109.55	1/4	3,911.43	1/4	3,709.50	1/4	3,475.73	1/4	3,147.13	1/4	2,819.41
1/2	1/2	1/2	1/2	1/2	4,466.05	1/2	4,292.07	1/2	4,105.54	1/2	3,907.22	1/2	3,705.29	1/2	3,468.88	1/2	3,140.29	1/2	2,812.57
3/4	3/4	3/4	3/4	3/4	4,462.57	3/4	4,288.31	3/4	4,101.51	3/4	3,903.01	3/4	3,701.09	3/4	3,462.03	3/4	3,133.45	3/4	2,805.72
9		9		9	4,459.08	9	4,284.54	9	4,097.47	9	3,898.81	9	3,696.88	9	3,455.19	9	3,126.61	9	2,798.87
1/4	1/4	1/4	1/4	1/4	4,455.60	1/4	4,280.78	1/4	4,093.44	1/4	3,894.60	1/4	3,692.67	1/4	3,448.34	1/4	3,119.78	1/4	2,792.03
1/2	1/2	1/2	1/2	1/2	4,452.11	1/2	4,277.01	1/2	4,089.41	1/2	3,890.39	1/2	3,688.47	1/2	3,441.49	1/2	3,112.94	1/2	2,785.18
3/4	3/4	3/4	3/4	3/4	4,448.61	3/4	4,273.23	3/4	4,085.36	3/4	3,886.19	3/4	3,684.26	3/4	3,434.65	3/4	3,106.13	3/4	2,778.34
10		10		10	4,445.11	10	4,269.45	10	4,081.31	10	3,881.98	10	3,680.05	10	3,427.80	10	3,099.32	10	2,771.49
1/4	1/4	1/4	1/4	1/4	4,441.61	1/4	4,265.66	1/4	4,077.26	1/4	3,877.77	1/4	3,675.85	1/4	3,420.96	1/4	3,092.51	1/4	2,764.65
1/2	1/2	1/2	1/2	1/2	4,438.11	1/2	4,261.88	1/2	4,073.21	1/2	3,873.57	1/2	3,671.64	1/2	3,414.11	1/2	3,085.70	1/2	2,757.80
3/4	3/4	3/4	3/4	3/4	4,434.59	3/4	4,258.08	3/4	4,069.14	3/4	3,869.36	3/4	3,667.43	3/4	3,407.27	3/4	3,078.89	3/4	2,750.96
11		11		11	4,431.07	11	4,254.27	11	4,065.07	11	3,865.15	11	3,663.23	11	3,400.42	11	3,072.08	11	2,744.11
1/4	1/4	1/4	1/4	1/4	4,427.55	1/4	4,250.47	1/4	4,061.00	1/4	3,860.95	1/4	3,659.02	1/4	3,393.58	1/4	3,065.27	1/4	2,737.26
1/2	1/2	1/2	1/2	1/2	4,424.03	1/2	4,246.67	1/2	4,056.93	1/2	3,856.74	1/2	3,654.81	1/2	3,386.73	1/2	3,058.46	1/2	2,730.42
3/4	3/4	3/4	3/4	3/4	4,420.47	3/4	4,242.85	3/4	4,052.84	3/4	3,852.53	3/4	3,650.61	3/4	3,379.88	3/4	3,051.66	3/4	2,723.57

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 10'-06" OFF CENTERLINE AND 41'-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 "KIRBY 29083"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 253"

GAUGE HEIGHT 18'-03 1/2"

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	2,716.73	0	2,388.01	0	2,059.20	0	1,730.61	0	1,402.04	0	1,073.63	0	759.89	0	432.78	0	103.31	0	
1/4	2,709.88	1/4	2,381.16	1/4	2,052.35	1/4	1,723.77	1/4	1,395.19	1/4	1,066.81	1/4	753.38	1/4	425.92	1/4	96.46	1/4	
1/2	2,703.04	1/2	2,374.31	1/2	2,045.50	1/2	1,716.92	1/2	1,388.34	1/2	1,059.99	1/2	746.87	1/2	419.05	1/2	89.61	1/2	
3/4	2,696.19	3/4	2,367.46	3/4	2,038.66	3/4	1,710.08	3/4	1,381.50	3/4	1,053.27	3/4	740.29	3/4	412.19	3/4	82.94	3/4	
1	2,689.35	1	2,360.61	1	2,031.81	1	1,703.23	1	1,374.65	1	1,046.55	1	733.70	1	405.32	1	76.27	1	
1/4	2,682.50	1/4	2,353.76	1/4	2,024.97	1/4	1,696.39	1/4	1,367.81	1/4	1,039.84	1/4	727.12	1/4	398.46	1/4	69.61	1/4	
1/2	2,675.65	1/2	2,346.91	1/2	2,018.12	1/2	1,689.54	1/2	1,360.96	1/2	1,033.12	1/2	720.53	1/2	391.59	1/2	62.94	1/2	
3/4	2,668.81	3/4	2,340.06	3/4	2,011.28	3/4	1,682.70	3/4	1,354.12	3/4	1,026.63	3/4	713.71	3/4	384.73	3/4	57.11	3/4	
2	2,661.96	2	2,333.21	2	2,004.43	2	1,675.85	2	1,347.27	2	1,020.13	2	706.89	2	377.86	2	51.27	2	
1/4	2,655.12	1/4	2,326.36	1/4	1,997.59	1/4	1,669.01	1/4	1,340.43	1/4	1,013.63	1/4	700.07	1/4	371.00	1/4	45.44	1/4	
1/2	2,648.27	1/2	2,319.51	1/2	1,990.74	1/2	1,662.16	1/2	1,333.58	1/2	1,007.14	1/2	693.25	1/2	364.13	1/2	39.60	1/2	
3/4	2,641.43	3/4	2,312.66	3/4	1,983.89	3/4	1,655.32	3/4	1,326.74	3/4	1,000.64	3/4	686.40	3/4	357.27	3/4	35.14	3/4	
3	2,634.58	3	2,305.81	3	1,977.05	3	1,648.47	3	1,319.89	3	994.14	3	679.55	3	350.41	3	30.68	3	
1/4	2,627.73	1/4	2,298.96	1/4	1,970.20	1/4	1,641.62	1/4	1,313.05	1/4	987.65	1/4	672.69	1/4	343.55	1/4	26.22	1/4	
1/2	2,620.89	1/2	2,292.11	1/2	1,963.36	1/2	1,634.78	1/2	1,306.20	1/2	981.15	1/2	665.84	1/2	336.68	1/2	21.75	1/2	
3/4	2,614.04	3/4	2,285.26	3/4	1,956.51	3/4	1,627.93	3/4	1,299.35	3/4	974.65	3/4	658.98	3/4	329.82	3/4		3/4	
4	2,607.20	4	2,278.41	4	1,949.67	4	1,621.09	4	1,292.51	4	968.16	4	652.13	4	322.96	4		4	
1/4	2,600.35	1/4	2,271.56	1/4	1,942.82	1/4	1,614.24	1/4	1,285.66	1/4	961.66	1/4	645.27	1/4	316.10	1/4		1/4	
1/2	2,593.51	1/2	2,264.71	1/2	1,935.98	1/2	1,607.40	1/2	1,278.82	1/2	955.17	1/2	638.42	1/2	309.23	1/2		1/2	
3/4	2,586.66	3/4	2,257.86	3/4	1,929.13	3/4	1,600.55	3/4	1,271.97	3/4	948.67	3/4	631.57	3/4	302.37	3/4		3/4	
5	2,579.81	5	2,251.01	5	1,922.29	5	1,593.71	5	1,265.13	5	942.17	5	624.71	5	295.50	5		5	
1/4	2,572.96	1/4	2,244.16	1/4	1,915.44	1/4	1,586.86	1/4	1,258.28	1/4	935.67	1/4	617.86	1/4	288.64	1/4		1/4	
1/2	2,566.12	1/2	2,237.31	1/2	1,908.60	1/2	1,580.02	1/2	1,251.44	1/2	929.17	1/2	611.00	1/2	281.77	1/2		1/2	
3/4	2,559.27	3/4	2,230.46	3/4	1,901.75	3/4	1,573.17	3/4	1,244.59	3/4	922.66	3/4	604.15	3/4	274.91	3/4		3/4	
6	2,552.42	6	2,223.61	6	1,894.90	6	1,566.33	6	1,237.75	6	916.15	6	597.30	6	268.04	6		6	
1/4	2,545.57	1/4	2,216.76	1/4	1,888.06	1/4	1,559.48	1/4	1,230.90	1/4	909.64	1/4	590.44	1/4	261.17	1/4		1/4	
1/2	2,538.72	1/2	2,209.91	1/2	1,881.21	1/2	1,552.63	1/2	1,224.06	1/2	903.13	1/2	583.59	1/2	254.31	1/2		1/2	
3/4	2,531.87	3/4	2,203.06	3/4	1,874.37	3/4	1,545.79	3/4	1,217.21	3/4	896.62	3/4	576.73	3/4	247.44	3/4		3/4	
7	2,525.02	7	2,196.21	7	1,867.52	7	1,538.94	7	1,210.36	7	890.11	7	569.88	7	240.58	7		7	
1/4	2,518.16	1/4	2,189.36	1/4	1,860.68	1/4	1,532.10	1/4	1,203.52	1/4	883.60	1/4	563.03	1/4	233.71	1/4		1/4	
1/2	2,511.31	1/2	2,182.51	1/2	1,853.83	1/2	1,525.25	1/2	1,196.67	1/2	877.09	1/2	556.17	1/2	226.84	1/2		1/2	
3/4	2,504.46	3/4	2,175.65	3/4	1,846.99	3/4	1,518.41	3/4	1,189.83	3/4	870.57	3/4	549.32	3/4	219.98	3/4		3/4	
8	2,497.61	8	2,168.80	8	1,840.14	8	1,511.56	8	1,182.98	8	864.06	8	542.46	8	213.11	8		8	
1/4	2,490.76	1/4	2,161.95	1/4	1,833.30	1/4	1,504.72	1/4	1,176.14	1/4	857.55	1/4	535.61	1/4	206.25	1/4		1/4	
1/2	2,483.91	1/2	2,155.10	1/2	1,826.45	1/2	1,497.87	1/2	1,169.29	1/2	851.04	1/2	528.76	1/2	199.38	1/2		1/2	
3/4	2,477.06	3/4	2,148.25	3/4	1,819.60	3/4	1,491.03	3/4	1,162.45	3/4	844.53	3/4	521.90	3/4	192.51	3/4		3/4	
9	2,470.21	9	2,141.40	9	1,812.76	9	1,484.18	9	1,155.61	9	838.02	9	515.05	9	185.65	9		9	
1/4	2,463.36	1/4	2,134.55	1/4	1,805.91	1/4	1,477.33	1/4	1,148.77	1/4	831.51	1/4	508.19	1/4	178.78	1/4		1/4	
1/2	2,456.51	1/2	2,127.70	1/2	1,799.07	1/2	1,470.49	1/2	1,141.92	1/2	825.00	1/2	501.34	1/2	171.92	1/2		1/2	
3/4	2,449.66	3/4	2,120.85	3/4	1,792.22	3/4	1,463.64	3/4	1,135.09	3/4	818.49	3/4	494.48	3/4	165.05	3/4		3/4	
10	2,442.81	10	2,114.00	10	1,785.38	10	1,456.80	10	1,128.26	10	811.98	10	487.63	10	158.19	10		10	
1/4	2,435.96	1/4	2,107.15	1/4	1,778.53	1/4	1,449.95	1/4	1,121.43	1/4	805.47	1/4	480.78	1/4	151.32	1/4		1/4	
1/2	2,429.11	1/2	2,100.30	1/2	1,771.69	1/2	1,443.11	1/2	1,114.60	1/2	798.96	1/2	473.92	1/2	144.45	1/2		1/2	
3/4	2,422.26	3/4	2,093.45	3/4	1,764.84	3/4	1,436.26	3/4	1,107.76	3/4	792.45	3/4	467.07	3/4	137.59	3/4		3/4	
11	2,415.41	11	2,086.60	11	1,758.00	11	1,429.42	11	1,100.93	11	785.94	11	460.21	11	130.73	11		11	
1/4	2,408.56	1/4	2,079.75	1/4	1,751.15	1/4	1,422.57	1/4	1,094.10	1/4	779.42	1/4	453.36	1/4	123.87	1/4		1/4	
1/2	2,401.71	1/2	2,072.90	1/2	1,744.31	1/2	1,415.73	1/2	1,087.27	1/2	772.91	1/2	446.50	1/2	117.01	1/2		1/2	
3/4	2,394.86	3/4	2,066.05	3/4	1,737.46	3/4	1,408.88	3/4	1,080.45	3/4	766.40	3/4	439.64	3/4	110.16	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/03/2013 SW - CL
RECALCULATED: 07/05/2023 JS
VERIFIED: 07/03/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
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