



BARGE "KIRBY 29122"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-3/4	- 01-3/4
1 STBD	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-3/4	- 01-3/4
2 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
2 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-5/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

November 5, 2014

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29122"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,638.33	0	4,300.79	0	3,946.76	0	3,576.58	0	3,200.86	0	2,823.53
1/4		1/4		1/4		1/4		1/4	4,631.47	1/4	4,293.59	1/4	3,939.22	1/4	3,568.75	1/4	3,193.02	1/4	2,815.67
1/2		1/2		1/2		1/2		1/2	4,624.59	1/2	4,286.36	1/2	3,931.65	1/2	3,560.92	1/2	3,185.15	1/2	2,807.81
3/4		3/4		3/4		3/4		3/4	4,949.67	3/4	4,617.71	3/4	4,279.13	3/4	3,924.08	3/4	3,553.10	3/4	3,177.29
1		1		1		1		1	4,944.30	1	4,610.83	1	4,271.90	1	3,916.51	1	3,545.27	1	3,169.43
1/4		1/4		1/4		1/4		1/4	4,938.93	1/4	4,603.95	1/4	4,264.67	1/4	3,908.94	1/4	3,537.44	1/4	3,161.57
1/2		1/2		1/2		1/2		1/2	4,932.27	1/2	4,597.04	1/2	4,257.42	1/2	3,901.34	1/2	3,529.62	1/2	3,153.71
3/4		3/4		3/4		3/4		3/4	4,925.60	3/4	4,590.13	3/4	4,250.17	3/4	3,893.74	3/4	3,521.79	3/4	3,145.85
2		2		2		2		2	4,918.94	2	4,583.22	2	4,242.92	2	3,886.14	2	3,513.96	2	3,137.99
1/4		1/4		1/4		1/4		1/4	4,912.27	1/4	4,576.31	1/4	4,235.66	1/4	3,878.54	1/4	3,506.14	1/4	3,130.12
1/2		1/2		1/2		1/2		1/2	4,904.67	1/2	4,569.37	1/2	4,228.38	1/2	3,870.91	1/2	3,498.31	1/2	3,122.26
3/4		3/4		3/4		3/4		3/4	4,897.08	3/4	4,562.44	3/4	4,221.10	3/4	3,863.29	3/4	3,490.48	3/4	3,114.40
3		3		3		3		3	4,889.48	3	4,555.50	3	4,213.82	3	3,855.66	3	3,482.66	3	3,106.54
1/4		1/4		1/4		1/4		1/4	4,881.88	1/4	4,548.56	1/4	4,206.54	1/4	3,848.04	1/4	3,474.83	1/4	3,098.68
1/2		1/2		1/2		1/2		1/2	4,874.06	1/2	4,541.59	1/2	4,199.23	1/2	3,840.39	1/2	3,467.00	1/2	3,090.82
3/4		3/4		3/4		3/4		3/4	4,866.23	3/4	4,534.63	3/4	4,191.92	3/4	3,832.73	3/4	3,459.18	3/4	3,082.96
4		4		4		4		4	4,858.40	4	4,527.66	4	4,184.61	4	3,825.08	4	3,451.35	4	3,075.09
1/4		1/4		1/4		1/4		1/4	4,850.58	1/4	4,520.69	1/4	4,177.30	1/4	3,817.43	1/4	3,443.52	1/4	3,067.23
1/2		1/2		1/2		1/2		1/2	4,843.18	1/2	4,513.70	1/2	4,169.96	1/2	3,809.75	1/2	3,435.70	1/2	3,059.37
3/4		3/4		3/4		3/4		3/4	4,835.79	3/4	4,506.70	3/4	4,162.62	3/4	3,802.06	3/4	3,427.87	3/4	3,051.51
5		5		5		5		5	4,828.39	5	4,499.71	5	4,155.28	5	3,794.38	5	3,420.04	5	3,043.65
1/4		1/4		1/4		1/4		1/4	4,821.00	1/4	4,492.71	1/4	4,147.95	1/4	3,786.70	1/4	3,412.22	1/4	3,035.79
1/2		1/2		1/2		1/2		1/2	4,814.32	1/2	4,485.69	1/2	4,140.58	1/2	3,778.99	1/2	3,404.39	1/2	3,027.93
3/4		3/4		3/4		3/4		3/4	4,807.64	3/4	4,478.66	3/4	4,133.21	3/4	3,771.28	3/4	3,396.56	3/4	3,020.06
6		6		6		6		6	4,800.95	6	4,471.64	6	4,125.84	6	3,763.57	6	3,388.74	6	3,012.20
1/4		1/4		1/4		1/4		1/4	4,794.27	1/4	4,464.61	1/4	4,118.47	1/4	3,755.86	1/4	3,380.91	1/4	3,004.34
1/2		1/2		1/2		1/2		1/2	4,787.56	1/2	4,457.56	1/2	4,111.08	1/2	3,748.12	1/2	3,373.08	1/2	2,996.48
3/4		3/4		3/4		3/4		3/4	4,780.85	3/4	4,450.51	3/4	4,103.68	3/4	3,740.38	3/4	3,365.26	3/4	2,988.62
7		7		7		7		7	4,774.14	7	4,443.45	7	4,096.29	7	3,732.64	7	3,357.43	7	2,980.76
1/4		1/4		1/4		1/4		1/4	4,767.43	1/4	4,436.40	1/4	4,088.89	1/4	3,724.90	1/4	3,349.60	1/4	2,972.90
1/2		1/2		1/2		1/2		1/2	4,760.69	1/2	4,429.32	1/2	4,081.47	1/2	3,717.13	1/2	3,341.78	1/2	2,965.03
3/4		3/4		3/4		3/4		3/4	4,753.95	3/4	4,422.24	3/4	4,074.04	3/4	3,709.36	3/4	3,333.95	3/4	2,957.17
8		8		8		8		8	4,747.21	8	4,415.15	8	4,066.61	8	3,701.60	8	3,326.13	8	2,949.31
1/4		1/4		1/4		1/4		1/4	4,740.47	1/4	4,408.07	1/4	4,059.19	1/4	3,693.83	1/4	3,318.30	1/4	2,941.45
1/2		1/2		1/2		1/2		1/2	4,733.70	1/2	4,400.96	1/2	4,051.73	1/2	3,686.03	1/2	3,310.47	1/2	2,933.59
3/4		3/4		3/4		3/4		3/4	4,726.93	3/4	4,393.85	3/4	4,044.28	3/4	3,678.23	3/4	3,302.65	3/4	2,925.73
9		9		9		9		9	4,720.16	9	4,386.74	9	4,036.83	9	3,670.43	9	3,294.82	9	2,917.87
1/4		1/4		1/4		1/4		1/4	4,713.40	1/4	4,379.62	1/4	4,029.37	1/4	3,662.64	1/4	3,286.99	1/4	2,910.00
1/2		1/2		1/2		1/2		1/2	4,706.60	1/2	4,372.48	1/2	4,021.89	1/2	3,654.82	1/2	3,279.17	1/2	2,902.14
3/4		3/4		3/4		3/4		3/4	4,699.80	3/4	4,365.34	3/4	4,014.40	3/4	3,647.00	3/4	3,271.34	3/4	2,894.28
10		10		10		10		10	4,693.00	10	4,358.20	10	4,006.92	10	3,639.18	10	3,263.51	10	2,886.42
1/4		1/4		1/4		1/4		1/4	4,686.20	1/4	4,351.06	1/4	3,999.44	1/4	3,631.36	1/4	3,255.69	1/4	2,878.56
1/2		1/2		1/2		1/2		1/2	4,679.38	1/2	4,343.89	1/2	3,991.92	1/2	3,623.54	1/2	3,247.86	1/2	2,870.70
3/4		3/4		3/4		3/4		3/4	4,672.55	3/4	4,336.72	3/4	3,984.41	3/4	3,615.71	3/4	3,240.03	3/4	2,862.84
11		11		11		11		11	4,665.72	11	4,329.55	11	3,976.90	11	3,607.88	11	3,232.21	11	2,854.98
1/4		1/4		1/4		1/4		1/4	4,658.90	1/4	4,322.38	1/4	3,969.39	1/4	3,600.06	1/4	3,224.38	1/4	2,847.11
1/2		1/2		1/2		1/2		1/2	4,652.04	1/2	4,315.18	1/2	3,961.85	1/2	3,592.23	1/2	3,216.54	1/2	2,839.25
3/4		3/4		3/4		3/4		3/4	4,645.18	3/4	4,307.98	3/4	3,954.30	3/4	3,584.40	3/4	3,208.70	3/4	2,831.39

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD

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BARGE "KIRBY 29122"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,446.18		2,068.84		1,691.49		1,315.33		938.95		561.61		209.08								
1/4	2,438.32	1/4	2,060.97	1/4	1,683.63	1/4	1,307.52	1/4	931.09	1/4	553.75	1/4	202.35	1/4		1/4		1/4		1/4	
1/2	2,430.46	1/2	2,053.11	1/2	1,675.77	1/2	1,299.71	1/2	923.23	1/2	545.90	1/2	195.74	1/2		1/2		1/2		1/2	
3/4	2,422.60	3/4	2,045.25	3/4	1,667.90	3/4	1,291.89	3/4	915.37	3/4	538.05	3/4	189.12	3/4		3/4		3/4		3/4	
1	2,414.74	1	2,037.39	1	1,660.04	1	1,284.08	1	907.51	1	530.20	1	182.50	1		1		1		1	
1/4	2,406.88	1/4	2,029.53	1/4	1,652.18	1/4	1,276.27	1/4	899.64	1/4	522.35	1/4	175.88	1/4		1/4		1/4		1/4	
1/2	2,399.01	1/2	2,021.67	1/2	1,644.32	1/2	1,268.46	1/2	891.78	1/2	514.55	1/2	169.37	1/2		1/2		1/2		1/2	
3/4	2,391.15	3/4	2,013.81	3/4	1,636.46	3/4	1,260.65	3/4	883.92	3/4	506.74	3/4	162.87	3/4		3/4		3/4		3/4	
2	2,383.29	2	2,005.94	2	1,628.60	2	1,252.83	2	876.06	2	498.94	2	156.36	2		2		2		2	
1/4	2,375.43	1/4	1,998.08	1/4	1,620.74	1/4	1,245.02	1/4	868.20	1/4	491.14	1/4	149.85	1/4		1/4		1/4		1/4	
1/2	2,367.57	1/2	1,990.22	1/2	1,612.87	1/2	1,237.21	1/2	860.34	1/2	483.42	1/2	143.46	1/2		1/2		1/2		1/2	
3/4	2,359.71	3/4	1,982.36	3/4	1,605.01	3/4	1,229.40	3/4	852.48	3/4	475.71	3/4	137.07	3/4		3/4		3/4		3/4	
3	2,351.85	3	1,974.50	3	1,597.15	3	1,221.59	3	844.62	3	468.00	3	130.68	3		3		3		3	
1/4	2,343.98	1/4	1,966.64	1/4	1,589.29	1/4	1,213.77	1/4	836.76	1/4	460.29	1/4	124.28	1/4		1/4		1/4		1/4	
1/2	2,336.12	1/2	1,958.78	1/2	1,581.43	1/2	1,205.96	1/2	828.89	1/2	452.69	1/2	118.01	1/2		1/2		1/2		1/2	
3/4	2,328.26	3/4	1,950.91	3/4	1,573.57	3/4	1,198.15	3/4	821.03	3/4	445.09	3/4	111.74	3/4		3/4		3/4		3/4	
4	2,320.40	4	1,943.05	4	1,565.71	4	1,190.34	4	813.17	4	437.49	4	105.47	4		4		4		4	
1/4	2,312.54	1/4	1,935.19	1/4	1,557.84	1/4	1,182.53	1/4	805.31	1/4	429.88	1/4	99.20	1/4		1/4		1/4		1/4	
1/2	2,304.68	1/2	1,927.33	1/2	1,549.99	1/2	1,174.69	1/2	797.45	1/2	422.39	1/2	93.06	1/2		1/2		1/2		1/2	
3/4	2,296.82	3/4	1,919.47	3/4	1,542.14	3/4	1,166.86	3/4	789.59	3/4	414.90	3/4	86.92	3/4		3/4		3/4		3/4	
5	2,288.95	5	1,911.61	5	1,534.29	5	1,159.03	5	781.73	5	407.41	5	80.78	5		5		5		5	
1/4	2,281.09	1/4	1,903.75	1/4	1,526.44	1/4	1,151.20	1/4	773.87	1/4	399.91	1/4	74.63	1/4		1/4		1/4		1/4	
1/2	2,273.23	1/2	1,895.88	1/2	1,518.61	1/2	1,143.34	1/2	766.00	1/2	392.53	1/2	68.63	1/2		1/2		1/2		1/2	
3/4	2,265.37	3/4	1,888.02	3/4	1,510.78	3/4	1,135.48	3/4	758.14	3/4	385.15	3/4	62.63	3/4		3/4		3/4		3/4	
6	2,257.51	6	1,880.16	6	1,502.95	6	1,127.62	6	750.28	6	377.76	6	56.63	6		6		6		6	
1/4	2,249.65	1/4	1,872.30	1/4	1,495.12	1/4	1,119.76	1/4	742.42	1/4	370.38	1/4	50.63	1/4		1/4		1/4		1/4	
1/2	2,241.79	1/2	1,864.44	1/2	1,487.29	1/2	1,111.90	1/2	734.56	1/2	363.11	1/2	45.22	1/2		1/2		1/2		1/2	
3/4	2,233.92	3/4	1,856.58	3/4	1,479.46	3/4	1,104.04	3/4	726.70	3/4	355.83	3/4	39.81	3/4		3/4		3/4		3/4	
7	2,226.06	7	1,848.72	7	1,471.63	7	1,096.17	7	718.84	7	348.56	7	34.41	7		7		7		7	
1/4	2,218.20	1/4	1,840.85	1/4	1,463.81	1/4	1,088.31	1/4	710.98	1/4	341.28	1/4	29.00	1/4		1/4		1/4		1/4	
1/2	2,210.34	1/2	1,832.99	1/2	1,455.99	1/2	1,080.45	1/2	703.11	1/2	334.12	1/2	25.04	1/2		1/2		1/2		1/2	
3/4	2,202.48	3/4	1,825.13	3/4	1,448.17	3/4	1,072.59	3/4	695.25	3/4	326.95	3/4	21.08	3/4		3/4		3/4		3/4	
8	2,194.62	8	1,817.27	8	1,440.35	8	1,064.73	8	687.39	8	319.79	8	17.12	8		8		8		8	
1/4	2,186.76	1/4	1,809.41	1/4	1,432.53	1/4	1,056.87	1/4	679.53	1/4	312.62	1/4	13.17	1/4		1/4		1/4		1/4	
1/2	2,178.89	1/2	1,801.55	1/2	1,424.71	1/2	1,049.01	1/2	671.67	1/2	305.57	1/2		1/2		1/2		1/2		1/2	
3/4	2,171.03	3/4	1,793.69	3/4	1,416.90	3/4	1,041.15	3/4	663.81	3/4	298.51	3/4		3/4		3/4		3/4		3/4	
9	2,163.17	9	1,785.82	9	1,409.08	9	1,033.29	9	655.95	9	291.46	9		9		9		9		9	
1/4	2,155.31	1/4	1,777.96	1/4	1,401.26	1/4	1,025.42	1/4	648.09	1/4	284.40	1/4		1/4		1/4		1/4		1/4	
1/2	2,147.45	1/2	1,770.10	1/2	1,393.45	1/2	1,017.56	1/2	640.23	1/2	277.46	1/2		1/2		1/2		1/2		1/2	
3/4	2,139.59	3/4	1,762.24	3/4	1,385.64	3/4	1,009.70	3/4	632.36	3/4	270.51	3/4		3/4		3/4		3/4		3/4	
10	2,131.73	10	1,754.38	10	1,377.83	10	1,001.84	10	624.50	10	263.56	10		10		10		10		10	
1/4	2,123.86	1/4	1,746.52	1/4	1,370.02	1/4	993.98	1/4	616.64	1/4	256.62	1/4		1/4		1/4		1/4		1/4	
1/2	2,116.00	1/2	1,738.66	1/2	1,362.20	1/2	986.12	1/2	608.78	1/2	249.78	1/2		1/2		1/2		1/2		1/2	
3/4	2,108.14	3/4	1,730.79	3/4	1,354.39	3/4	978.26	3/4	600.92	3/4	242.94	3/4		3/4		3/4		3/4		3/4	
11	2,100.28	11	1,722.93	11	1,346.58	11	970.40	11	593.06	11	236.10	11		11		11		11		11	
1/4	2,092.42	1/4	1,715.07	1/4	1,338.77	1/4	962.53	1/4	585.20	1/4	229.27	1/4		1/4		1/4		1/4		1/4	
1/2	2,084.56	1/2	1,707.21	1/2	1,330.96	1/2	954.67	1/2	577.34	1/2	222.54	1/2		1/2		1/2		1/2		1/2	
3/4	2,076.70	3/4	1,699.35	3/4	1,323.14	3/4	946.81	3/4	569.47	3/4	215.81	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/04/2014 CL
CALCULATED: 11/05/2014 CL
PRINTED: 11/05/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "KIRBY 29122"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	4,646.96	0	4,309.76	0	3,956.08	0	3,586.18	0	3,210.47	0	2,833.16
1/4		1/4		1/4		1/4		1/4	4,640.10	1/4	4,302.56	1/4	3,948.54	1/4	3,578.35	1/4	3,202.63	1/4	2,825.30
1/2		1/2		1/2		1/2		1/2	4,633.24	1/2	4,295.36	1/2	3,940.99	1/2	3,570.52	1/2	3,194.79	1/2	2,817.44
3/4		3/4		3/4		3/4		3/4	4,626.36	3/4	4,288.13	3/4	3,933.42	3/4	3,562.70	3/4	3,186.93	3/4	2,809.58
1	1	1	1	1	2	2	4,951.45	1	4,619.48	1	4,280.90	1	3,925.85	1	3,554.87	1	3,179.06	1	2,801.72
1/4		1/4		1/4		1/4	4,946.08	1/4	4,612.60	1/4	4,273.68	1/4	3,918.28	1/4	3,547.04	1/4	3,171.20	1/4	2,793.86
1/2		1/2		1/2		1/2	4,940.71	1/2	4,605.72	1/2	4,266.45	1/2	3,910.71	1/2	3,539.22	1/2	3,163.34	1/2	2,785.99
3/4		3/4		3/4		3/4	4,934.04	3/4	4,598.81	3/4	4,259.19	3/4	3,903.11	3/4	3,531.39	3/4	3,155.48	3/4	2,778.13
2	2	2	2	2	3	3	4,927.38	2	4,591.90	2	4,251.94	2	3,895.51	2	3,523.56	2	3,147.62	2	2,770.27
1/4		1/4		1/4		1/4	4,920.71	1/4	4,585.00	1/4	4,244.69	1/4	3,887.91	1/4	3,515.74	1/4	3,139.76	1/4	2,762.41
1/2		1/2		1/2		1/2	4,914.04	1/2	4,578.09	1/2	4,237.44	1/2	3,880.31	1/2	3,507.91	1/2	3,131.90	1/2	2,754.55
3/4		3/4		3/4		3/4	4,906.45	3/4	4,571.15	3/4	4,230.16	3/4	3,872.69	3/4	3,500.08	3/4	3,124.04	3/4	2,746.69
3	3	3	3	3	4	4	4,898.85	3	4,564.21	3	4,222.88	3	3,865.06	3	3,492.26	3	3,116.17	3	2,738.83
1/4		1/4		1/4		1/4	4,891.25	1/4	4,557.27	1/4	4,215.60	1/4	3,857.44	1/4	3,484.43	1/4	3,108.31	1/4	2,730.97
1/2		1/2		1/2		1/2	4,883.66	1/2	4,550.33	1/2	4,208.31	1/2	3,849.81	1/2	3,476.60	1/2	3,100.45	1/2	2,723.10
3/4		3/4		3/4		3/4	4,875.83	3/4	4,543.37	3/4	4,201.00	3/4	3,842.16	3/4	3,468.78	3/4	3,092.59	3/4	2,715.24
4	4	4	4	4	5	5	4,868.00	4	4,536.40	4	4,193.69	4	3,834.51	4	3,460.95	4	3,084.73	4	2,707.38
1/4		1/4		1/4		1/4	4,860.18	1/4	4,529.43	1/4	4,186.38	1/4	3,826.86	1/4	3,453.12	1/4	3,076.87	1/4	2,699.52
1/2		1/2		1/2		1/2	4,852.35	1/2	4,522.47	1/2	4,179.07	1/2	3,819.20	1/2	3,445.30	1/2	3,069.01	1/2	2,691.66
3/4		3/4		3/4		3/4	4,844.96	3/4	4,515.47	3/4	4,171.74	3/4	3,811.52	3/4	3,437.47	3/4	3,061.14	3/4	2,683.80
5	5	5	5	5	6	6	4,837.56	5	4,508.48	5	4,164.40	5	3,803.84	5	3,429.64	5	3,053.28	5	2,675.94
1/4		1/4		1/4		1/4	4,830.17	1/4	4,501.48	1/4	4,157.06	1/4	3,796.16	1/4	3,421.82	1/4	3,045.42	1/4	2,668.07
1/2		1/2		1/2		1/2	4,822.77	1/2	4,494.49	1/2	4,149.72	1/2	3,788.47	1/2	3,413.99	1/2	3,037.56	1/2	2,660.21
3/4		3/4		3/4		3/4	4,816.09	3/4	4,487.46	3/4	4,142.35	3/4	3,780.76	3/4	3,406.16	3/4	3,029.70	3/4	2,652.35
6	6	6	6	6	7	7	4,809.41	6	4,480.44	6	4,134.98	6	3,773.05	6	3,398.34	6	3,021.84	6	2,644.49
1/4		1/4		1/4		1/4	4,802.73	1/4	4,473.41	1/4	4,127.62	1/4	3,765.34	1/4	3,390.51	1/4	3,013.98	1/4	2,636.63
1/2		1/2		1/2		1/2	4,796.05	1/2	4,466.39	1/2	4,120.25	1/2	3,757.63	1/2	3,382.68	1/2	3,006.11	1/2	2,628.77
3/4		3/4		3/4		3/4	4,789.34	3/4	4,459.33	3/4	4,112.85	3/4	3,749.89	3/4	3,374.86	3/4	2,998.25	3/4	2,620.91
7	7	7	7	7	8	8	4,782.63	7	4,452.28	7	4,105.46	7	3,742.15	7	3,367.03	7	2,990.39	7	2,613.04
1/4		1/4		1/4		1/4	4,775.92	1/4	4,445.23	1/4	4,098.06	1/4	3,734.41	1/4	3,359.21	1/4	2,982.53	1/4	2,605.18
1/2		1/2		1/2		1/2	4,769.20	1/2	4,438.17	1/2	4,090.66	1/2	3,726.67	1/2	3,351.38	1/2	2,974.67	1/2	2,597.32
3/4		3/4		3/4		3/4	4,762.46	3/4	4,431.09	3/4	4,083.24	3/4	3,718.90	3/4	3,343.55	3/4	2,966.81	3/4	2,589.46
8	8	8	8	8	9	9	4,755.72	8	4,424.01	8	4,075.81	8	3,711.14	8	3,335.73	8	2,958.95	8	2,581.60
1/4		1/4		1/4		1/4	4,748.98	1/4	4,416.93	1/4	4,068.39	1/4	3,703.37	1/4	3,327.90	1/4	2,951.08	1/4	2,573.74
1/2		1/2		1/2		1/2	4,742.24	1/2	4,409.85	1/2	4,060.96	1/2	3,695.60	1/2	3,320.07	1/2	2,943.22	1/2	2,565.88
3/4		3/4		3/4		3/4	4,735.48	3/4	4,402.73	3/4	4,053.51	3/4	3,687.80	3/4	3,312.25	3/4	2,935.36	3/4	2,558.01
9	9	9	9	9	10	10	4,728.71	9	4,395.62	9	4,046.05	9	3,680.01	9	3,304.42	9	2,927.50	9	2,550.15
1/4		1/4		1/4		1/4	4,721.94	1/4	4,388.51	1/4	4,038.60	1/4	3,672.21	1/4	3,296.59	1/4	2,919.64	1/4	2,542.29
1/2		1/2		1/2		1/2	4,715.17	1/2	4,381.40	1/2	4,031.15	1/2	3,664.41	1/2	3,288.77	1/2	2,911.78	1/2	2,534.43
3/4		3/4		3/4		3/4	4,708.37	3/4	4,374.26	3/4	4,023.66	3/4	3,656.59	3/4	3,280.94	3/4	2,903.92	3/4	2,526.57
10	10	10	10	10	11	11	4,701.57	10	4,367.12	10	4,016.18	10	3,648.77	10	3,273.11	10	2,896.05	10	2,518.71
1/4		1/4		1/4		1/4	4,694.77	1/4	4,359.98	1/4	4,008.69	1/4	3,640.95	1/4	3,265.29	1/4	2,888.19	1/4	2,510.85
1/2		1/2		1/2		1/2	4,687.98	1/2	4,352.84	1/2	4,001.21	1/2	3,633.14	1/2	3,257.46	1/2	2,880.33	1/2	2,502.98
3/4		3/4		3/4		3/4	4,681.15	3/4	4,345.67	3/4	3,993.70	3/4	3,625.31	3/4	3,249.63	3/4	2,872.47	3/4	2,495.12
11	11	11	11	11	12	12	4,674.32	11	4,338.50	11	3,986.19	11	3,617.48	11	3,241.81	11	2,864.61	11	2,487.26
1/4		1/4		1/4		1/4	4,667.50	1/4	4,331.33	1/4	3,978.67	1/4	3,609.66	1/4	3,233.98	1/4	2,856.75	1/4	2,479.40
1/2		1/2		1/2		1/2	4,660.67	1/2	4,324.15	1/2	3,971.16	1/2	3,601.83	1/2	3,226.15	1/2	2,848.89	1/2	2,471.54
3/4		3/4		3/4		3/4	4,653.81	3/4	4,316.96	3/4	3,963.62	3/4	3,594.00	3/4	3,218.31	3/4	2,841.02	3/4	2,463.68

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29122"

**1 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	2,455.82	0	2,078.47	0	1,701.12	0	1,323.77	0	946.66	0	569.47	0	215.81	0		0		0	
1/4	2,447.95	1/4	2,070.61	1/4	1,693.26	1/4	1,315.91	1/4	938.81	1/4	561.61	1/4	209.08	1/4		1/4		1/4	
1/2	2,440.09	1/2	2,062.75	1/2	1,685.40	1/2	1,308.05	1/2	930.96	1/2	553.75	1/2	202.35	1/2		1/2		1/2	
3/4	2,432.23	3/4	2,054.88	3/4	1,677.54	3/4	1,300.19	3/4	923.12	3/4	545.90	3/4	195.74	3/4		3/4		3/4	
1	2,424.37	1	2,047.02	1	1,669.68	1	1,292.33	1	915.27	1	538.05	1	189.12	1		1		1	
1/4	2,416.51	1/4	2,039.16	1/4	1,661.81	1/4	1,284.47	1/4	907.42	1/4	530.20	1/4	182.50	1/4		1/4		1/4	
1/2	2,408.65	1/2	2,031.30	1/2	1,653.95	1/2	1,276.61	1/2	899.57	1/2	522.35	1/2	175.88	1/2		1/2		1/2	
3/4	2,400.79	3/4	2,023.44	3/4	1,646.09	3/4	1,268.74	3/4	891.72	3/4	514.55	3/4	169.37	3/4		3/4		3/4	
2	2,392.92	2	2,015.58	2	1,638.23	2	1,260.88	2	883.87	2	506.74	2	162.87	2		2		2	
1/4	2,385.06	1/4	2,007.72	1/4	1,630.37	1/4	1,253.02	1/4	876.02	1/4	498.94	1/4	156.36	1/4		1/4		1/4	
1/2	2,377.20	1/2	1,999.85	1/2	1,622.51	1/2	1,245.16	1/2	868.17	1/2	491.14	1/2	149.85	1/2		1/2		1/2	
3/4	2,369.34	3/4	1,991.99	3/4	1,614.65	3/4	1,237.30	3/4	860.32	3/4	483.42	3/4	143.46	3/4		3/4		3/4	
3	2,361.48	3	1,984.13	3	1,606.78	3	1,229.44	3	852.46	3	475.71	3	137.07	3		3		3	
1/4	2,353.62	1/4	1,976.27	1/4	1,598.92	1/4	1,221.58	1/4	844.61	1/4	468.00	1/4	130.68	1/4		1/4		1/4	
1/2	2,345.76	1/2	1,968.41	1/2	1,591.06	1/2	1,213.71	1/2	836.76	1/2	460.29	1/2	124.28	1/2		1/2		1/2	
3/4	2,337.90	3/4	1,960.55	3/4	1,583.20	3/4	1,205.85	3/4	828.89	3/4	452.69	3/4	118.01	3/4		3/4		3/4	
4	2,330.03	4	1,952.69	4	1,575.34	4	1,197.99	4	821.03	4	445.09	4	111.74	4		4		4	
1/4	2,322.17	1/4	1,944.83	1/4	1,567.48	1/4	1,190.13	1/4	813.17	1/4	437.49	1/4	105.47	1/4		1/4		1/4	
1/2	2,314.31	1/2	1,936.96	1/2	1,559.62	1/2	1,182.27	1/2	805.31	1/2	429.88	1/2	99.20	1/2		1/2		1/2	
3/4	2,306.45	3/4	1,929.10	3/4	1,551.76	3/4	1,174.41	3/4	797.45	3/4	422.39	3/4	93.06	3/4		3/4		3/4	
5	2,298.59	5	1,921.24	5	1,543.89	5	1,166.55	5	789.59	5	414.90	5	86.92	5		5		5	
1/4	2,290.73	1/4	1,913.38	1/4	1,536.03	1/4	1,158.69	1/4	781.73	1/4	407.41	1/4	80.78	1/4		1/4		1/4	
1/2	2,282.87	1/2	1,905.52	1/2	1,528.17	1/2	1,150.82	1/2	773.87	1/2	399.91	1/2	74.63	1/2		1/2		1/2	
3/4	2,275.00	3/4	1,897.66	3/4	1,520.31	3/4	1,142.96	3/4	766.00	3/4	392.53	3/4	68.63	3/4		3/4		3/4	
6	2,267.14	6	1,889.80	6	1,512.45	6	1,135.10	6	758.14	6	385.15	6	62.63	6		6		6	
1/4	2,259.28	1/4	1,881.93	1/4	1,504.59	1/4	1,127.24	1/4	750.28	1/4	377.76	1/4	56.63	1/4		1/4		1/4	
1/2	2,251.42	1/2	1,874.07	1/2	1,496.73	1/2	1,119.38	1/2	742.42	1/2	370.38	1/2	50.63	1/2		1/2		1/2	
3/4	2,243.56	3/4	1,866.21	3/4	1,488.86	3/4	1,111.52	3/4	734.56	3/4	363.11	3/4	45.22	3/4		3/4		3/4	
7	2,235.70	7	1,858.35	7	1,481.00	7	1,103.66	7	726.70	7	355.83	7	39.81	7		7		7	
1/4	2,227.84	1/4	1,850.49	1/4	1,473.14	1/4	1,095.81	1/4	718.84	1/4	348.56	1/4	34.41	1/4		1/4		1/4	
1/2	2,219.97	1/2	1,842.63	1/2	1,465.28	1/2	1,087.95	1/2	710.98	1/2	341.28	1/2	29.00	1/2		1/2		1/2	
3/4	2,212.11	3/4	1,834.77	3/4	1,457.42	3/4	1,080.10	3/4	703.11	3/4	334.12	3/4	25.04	3/4		3/4		3/4	
8	2,204.25	8	1,826.90	8	1,449.56	8	1,072.25	8	695.25	8	326.95	8	21.08	8		8		8	
1/4	2,196.39	1/4	1,819.04	1/4	1,441.70	1/4	1,064.40	1/4	687.39	1/4	319.79	1/4	17.12	1/4		1/4		1/4	
1/2	2,188.53	1/2	1,811.18	1/2	1,433.83	1/2	1,056.55	1/2	679.53	1/2	312.62	1/2	13.17	1/2		1/2		1/2	
3/4	2,180.67	3/4	1,803.32	3/4	1,425.97	3/4	1,048.70	3/4	671.67	3/4	305.57	3/4		3/4		3/4		3/4	
9	2,172.81	9	1,795.46	9	1,418.11	9	1,040.85	9	663.81	9	298.51	9		9		9		9	
1/4	2,164.94	1/4	1,787.60	1/4	1,410.25	1/4	1,033.01	1/4	655.95	1/4	291.46	1/4		1/4		1/4		1/4	
1/2	2,157.08	1/2	1,779.74	1/2	1,402.39	1/2	1,025.16	1/2	648.09	1/2	284.40	1/2		1/2		1/2		1/2	
3/4	2,149.22	3/4	1,771.87	3/4	1,394.53	3/4	1,017.31	3/4	640.23	3/4	277.46	3/4		3/4		3/4		3/4	
10	2,141.36	10	1,764.01	10	1,386.67	10	1,009.46	10	632.36	10	270.51	10		10		10		10	
1/4	2,133.50	1/4	1,756.15	1/4	1,378.80	1/4	1,001.61	1/4	624.50	1/4	263.56	1/4		1/4		1/4		1/4	
1/2	2,125.64	1/2	1,748.29	1/2	1,370.94	1/2	993.76	1/2	616.64	1/2	256.62	1/2		1/2		1/2		1/2	
3/4	2,117.78	3/4	1,740.43	3/4	1,363.08	3/4	985.91	3/4	608.78	3/4	249.78	3/4		3/4		3/4		3/4	
11	2,109.91	11	1,732.57	11	1,355.22	11	978.06	11	600.92	11	242.94	11		11		11		11	
1/4	2,102.05	1/4	1,724.71	1/4	1,347.36	1/4	970.21	1/4	593.06	1/4	236.10	1/4		1/4		1/4		1/4	
1/2	2,094.19	1/2	1,716.84	1/2	1,339.50	1/2	962.36	1/2	585.20	1/2	229.27	1/2		1/2		1/2		1/2	
3/4	2,086.33	3/4	1,708.98	3/4	1,331.64	3/4	954.51	3/4	577.34	3/4	222.54	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/04/2014 CL
CALCULATED: 11/05/2014 CL
PRINTED: 11/05/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "KIRBY 29122"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,489.57	0	4,167.91	0	3,831.13	0	3,479.33	0	3,121.70	0	2,762.60
1/4		1/4		1/4		1/4		1/4	4,483.01	1/4	4,161.04	1/4	3,823.94	1/4	3,471.88	1/4	3,114.24	1/4	2,755.12
1/2		1/2		1/2		1/2		1/2	4,476.45	1/2	4,154.17	1/2	3,816.75	1/2	3,464.43	1/2	3,106.77	1/2	2,747.64
3/4		3/4		3/4		3/4		3/4	4,469.89	3/4	4,147.29	3/4	3,809.56	3/4	3,456.98	3/4	3,099.31	3/4	2,740.15
1		1		1		1		1	4,463.33	1	4,140.42	1	3,802.37	1	3,449.53	1	3,091.84	1	2,732.67
1/4		1/4		1/4		1/4		1/4	4,456.74	1/4	4,133.52	1/4	3,795.15	1/4	3,442.08	1/4	3,084.36	1/4	2,725.19
1/2		1/2		1/2		1/2		1/2	4,767.27	1/2	4,450.16	1/2	4,126.62	1/2	3,787.94	1/2	3,434.63	1/2	3,076.88
3/4		3/4		3/4		3/4		3/4	4,762.16	3/4	4,443.58	3/4	4,119.72	3/4	3,780.72	3/4	3,427.18	3/4	3,069.39
2		2		2		2		2	4,757.05	2	4,437.00	2	4,112.81	2	3,773.51	2	3,419.73	2	3,061.91
1/4		1/4		1/4		1/4		1/4	4,750.70	1/4	4,430.39	1/4	4,105.89	1/4	3,766.27	1/4	3,412.27	1/4	3,054.43
1/2		1/2		1/2		1/2		1/2	4,744.36	1/2	4,423.79	1/2	4,098.97	1/2	3,759.02	1/2	3,404.82	1/2	3,046.94
3/4		3/4		3/4		3/4		3/4	4,738.02	3/4	4,417.18	3/4	4,092.04	3/4	3,751.78	3/4	3,397.37	3/4	3,039.46
3		3		3		3		3	4,731.67	3	4,410.57	3	4,085.12	3	3,744.54	3	3,389.92	3	3,031.98
1/4		1/4		1/4		1/4		1/4	4,724.44	1/4	4,403.94	1/4	4,078.17	1/4	3,737.27	1/4	3,382.47	1/4	3,024.50
1/2		1/2		1/2		1/2		1/2	4,717.21	1/2	4,397.30	1/2	4,071.22	1/2	3,730.01	1/2	3,375.02	1/2	3,017.01
3/4		3/4		3/4		3/4		3/4	4,709.98	3/4	4,390.67	3/4	4,064.27	3/4	3,722.74	3/4	3,367.57	3/4	3,009.53
4		4		4		4		4	4,702.75	4	4,384.03	4	4,057.33	4	3,715.48	4	3,360.12	4	3,002.05
1/4		1/4		1/4		1/4		1/4	4,695.30	1/4	4,377.37	1/4	4,050.35	1/4	3,708.19	1/4	3,352.67	1/4	2,994.57
1/2		1/2		1/2		1/2		1/2	4,687.85	1/2	4,370.71	1/2	4,043.37	1/2	3,700.90	1/2	3,345.22	1/2	2,987.08
3/4		3/4		3/4		3/4		3/4	4,680.40	3/4	4,364.05	3/4	4,036.40	3/4	3,693.61	3/4	3,337.77	3/4	2,979.60
5		5		5		5		5	4,672.95	5	4,357.39	5	4,029.42	5	3,686.31	5	3,330.32	5	2,972.12
1/4		1/4		1/4		1/4		1/4	4,665.90	1/4	4,350.71	1/4	4,022.42	1/4	3,679.00	1/4	3,322.87	1/4	2,964.63
1/2		1/2		1/2		1/2		1/2	4,658.84	1/2	4,344.02	1/2	4,015.42	1/2	3,671.68	1/2	3,315.42	1/2	2,957.15
3/4		3/4		3/4		3/4		3/4	4,651.79	3/4	4,337.33	3/4	4,008.41	3/4	3,664.36	3/4	3,307.97	3/4	2,949.67
6		6		6		6		6	4,644.74	6	4,330.64	6	4,001.41	6	3,657.04	6	3,300.52	6	2,942.19
1/4		1/4		1/4		1/4		1/4	4,638.34	1/4	4,323.93	1/4	3,994.38	1/4	3,649.70	1/4	3,293.07	1/4	2,934.70
1/2		1/2		1/2		1/2		1/2	4,631.94	1/2	4,317.22	1/2	3,987.35	1/2	3,642.36	1/2	3,285.61	1/2	2,927.22
3/4		3/4		3/4		3/4		3/4	4,625.54	3/4	4,310.50	3/4	3,980.33	3/4	3,635.01	3/4	3,278.16	3/4	2,919.74
7		7		7		7		7	4,619.14	7	4,303.79	7	3,973.30	7	3,627.67	7	3,270.71	7	2,912.26
1/4		1/4		1/4		1/4		1/4	4,612.72	1/4	4,297.05	1/4	3,966.24	1/4	3,620.30	1/4	3,263.26	1/4	2,904.77
1/2		1/2		1/2		1/2		1/2	4,606.29	1/2	4,290.31	1/2	3,959.19	1/2	3,612.93	1/2	3,255.81	1/2	2,897.29
3/4		3/4		3/4		3/4		3/4	4,599.87	3/4	4,283.57	3/4	3,952.13	3/4	3,605.56	3/4	3,248.36	3/4	2,889.81
8		8		8		8		8	4,593.44	8	4,276.83	8	3,945.08	8	3,598.18	8	3,240.91	8	2,882.32
1/4		1/4		1/4		1/4		1/4	4,586.99	1/4	4,270.06	1/4	3,937.99	1/4	3,590.79	1/4	3,233.46	1/4	2,874.84
1/2		1/2		1/2		1/2		1/2	4,580.54	1/2	4,263.29	1/2	3,930.91	1/2	3,583.39	1/2	3,226.01	1/2	2,867.36
3/4		3/4		3/4		3/4		3/4	4,574.08	3/4	4,256.53	3/4	3,923.83	3/4	3,575.99	3/4	3,218.56	3/4	2,859.88
9		9		9		9		9	4,567.63	9	4,249.76	9	3,916.75	9	3,568.60	9	3,211.11	9	2,852.39
1/4		1/4		1/4		1/4		1/4	4,561.15	1/4	4,242.97	1/4	3,909.64	1/4	3,561.17	1/4	3,203.66	1/4	2,844.91
1/2		1/2		1/2		1/2		1/2	4,554.67	1/2	4,236.17	1/2	3,902.53	1/2	3,553.75	1/2	3,196.21	1/2	2,837.43
3/4		3/4		3/4		3/4		3/4	4,548.20	3/4	4,229.38	3/4	3,895.42	3/4	3,546.33	3/4	3,188.76	3/4	2,829.95
10		10		10		10		10	4,541.72	10	4,222.58	10	3,888.31	10	3,538.90	10	3,181.31	10	2,822.46
1/4		1/4		1/4		1/4		1/4	4,535.21	1/4	4,215.76	1/4	3,881.18	1/4	3,531.46	1/4	3,173.86	1/4	2,814.98
1/2		1/2		1/2		1/2		1/2	4,528.70	1/2	4,208.94	1/2	3,874.04	1/2	3,524.02	1/2	3,166.40	1/2	2,807.50
3/4		3/4		3/4		3/4		3/4	4,522.20	3/4	4,202.12	3/4	3,866.91	3/4	3,516.57	3/4	3,158.95	3/4	2,800.02
11		11		11		11		11	4,515.69	11	4,195.30	11	3,859.77	11	3,509.13	11	3,151.50	11	2,792.53
1/4		1/4		1/4		1/4		1/4	4,509.16	1/4	4,188.46	1/4	3,852.61	1/4	3,501.68	1/4	3,144.05	1/4	2,785.05
1/2		1/2		1/2		1/2		1/2	4,502.63	1/2	4,181.61	1/2	3,845.45	1/2	3,494.23	1/2	3,136.60	1/2	2,777.57
3/4		3/4		3/4		3/4		3/4	4,496.10	3/4	4,174.76	3/4	3,838.29	3/4	3,486.78	3/4	3,129.15	3/4	2,770.08

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29122"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09"

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	2,403.43	0	2,044.26	0	1,685.09	0	1,333.14	0	988.08	0	632.10	0	272.94	0		0		0	
1/4	2,395.95	1/4	2,036.78	1/4	1,677.61	1/4	1,325.94	1/4	980.90	1/4	624.61	1/4	265.45	1/4		1/4		1/4	
1/2	2,388.47	1/2	2,029.30	1/2	1,670.13	1/2	1,318.74	1/2	973.72	1/2	617.13	1/2	257.97	1/2		1/2		1/2	
3/4	2,380.98	3/4	2,021.81	3/4	1,662.64	3/4	1,311.54	3/4	966.54	3/4	609.65	3/4	250.49	3/4		3/4		3/4	
1	2,373.50	1	2,014.33	1	1,655.16	1	1,304.34	1	959.36	1	602.17	1	243.01	1		1		1	
1/4	2,366.02	1/4	2,006.85	1/4	1,647.68	1/4	1,297.14	1/4	952.18	1/4	594.68	1/4	235.52	1/4		1/4		1/4	
1/2	2,358.54	1/2	1,999.37	1/2	1,640.20	1/2	1,289.94	1/2	945.00	1/2	587.20	1/2	228.04	1/2		1/2		1/2	
3/4	2,351.05	3/4	1,991.88	3/4	1,632.71	3/4	1,282.74	3/4	937.82	3/4	579.72	3/4	220.56	3/4		3/4		3/4	
2	2,343.57	2	1,984.40	2	1,625.23	2	1,275.54	2	930.64	2	572.24	2	213.08	2		2		2	
1/4	2,336.09	1/4	1,976.92	1/4	1,617.75	1/4	1,268.34	1/4	923.35	1/4	564.75	1/4	205.60	1/4		1/4		1/4	
1/2	2,328.61	1/2	1,969.44	1/2	1,610.27	1/2	1,261.14	1/2	916.05	1/2	557.27	1/2	198.12	1/2		1/2		1/2	
3/4	2,321.12	3/4	1,961.95	3/4	1,602.78	3/4	1,253.94	3/4	908.76	3/4	549.79	3/4	190.64	3/4		3/4		3/4	
3	2,313.64	3	1,954.47	3	1,595.30	3	1,246.74	3	901.47	3	542.31	3	183.15	3		3		3	
1/4	2,306.16	1/4	1,946.99	1/4	1,587.82	1/4	1,239.54	1/4	893.98	1/4	534.82	1/4	175.68	1/4		1/4		1/4	
1/2	2,298.67	1/2	1,939.50	1/2	1,580.34	1/2	1,232.34	1/2	886.50	1/2	527.34	1/2	168.21	1/2		1/2		1/2	
3/4	2,291.19	3/4	1,932.02	3/4	1,572.85	3/4	1,225.14	3/4	879.02	3/4	519.86	3/4	160.73	3/4		3/4		3/4	
4	2,283.71	4	1,924.54	4	1,565.37	4	1,217.94	4	871.54	4	512.38	4	153.26	4		4		4	
1/4	2,276.23	1/4	1,917.06	1/4	1,557.89	1/4	1,210.75	1/4	864.05	1/4	504.89	1/4	145.80	1/4		1/4		1/4	
1/2	2,268.74	1/2	1,909.57	1/2	1,550.40	1/2	1,203.55	1/2	856.57	1/2	497.41	1/2	138.33	1/2		1/2		1/2	
3/4	2,261.26	3/4	1,902.09	3/4	1,542.92	3/4	1,196.36	3/4	849.09	3/4	489.93	3/4	130.87	3/4		3/4		3/4	
5	2,253.78	5	1,894.61	5	1,535.44	5	1,189.16	5	841.61	5	482.45	5	123.41	5		5		5	
1/4	2,246.30	1/4	1,887.13	1/4	1,528.06	1/4	1,181.98	1/4	834.12	1/4	474.96	1/4	115.96	1/4		1/4		1/4	
1/2	2,238.81	1/2	1,879.64	1/2	1,520.68	1/2	1,174.79	1/2	826.64	1/2	467.48	1/2	108.52	1/2		1/2		1/2	
3/4	2,231.33	3/4	1,872.16	3/4	1,513.31	3/4	1,167.60	3/4	819.16	3/4	460.00	3/4	101.07	3/4		3/4		3/4	
6	2,223.85	6	1,864.68	6	1,505.93	6	1,160.41	6	811.68	6	452.52	6	93.63	6		6		6	
1/4	2,216.36	1/4	1,857.20	1/4	1,498.73	1/4	1,153.23	1/4	804.19	1/4	445.03	1/4	86.21	1/4		1/4		1/4	
1/2	2,208.88	1/2	1,849.71	1/2	1,491.53	1/2	1,146.05	1/2	796.71	1/2	437.55	1/2	78.80	1/2		1/2		1/2	
3/4	2,201.40	3/4	1,842.23	3/4	1,484.33	3/4	1,138.86	3/4	789.23	3/4	430.07	3/4	71.39	3/4		3/4		3/4	
7	2,193.92	7	1,834.75	7	1,477.13	7	1,131.68	7	781.75	7	422.59	7	63.97	7		7		7	
1/4	2,186.43	1/4	1,827.26	1/4	1,469.93	1/4	1,124.50	1/4	774.26	1/4	415.10	1/4	57.02	1/4		1/4		1/4	
1/2	2,178.95	1/2	1,819.78	1/2	1,462.73	1/2	1,117.32	1/2	766.78	1/2	407.62	1/2	50.07	1/2		1/2		1/2	
3/4	2,171.47	3/4	1,812.30	3/4	1,455.53	3/4	1,110.14	3/4	759.30	3/4	400.14	3/4	43.11	3/4		3/4		3/4	
8	2,163.99	8	1,804.82	8	1,448.33	8	1,102.96	8	751.82	8	392.66	8	36.16	8		8		8	
1/4	2,156.50	1/4	1,797.33	1/4	1,441.13	1/4	1,095.78	1/4	744.33	1/4	385.17	1/4	30.86	1/4		1/4		1/4	
1/2	2,149.02	1/2	1,789.85	1/2	1,433.93	1/2	1,088.60	1/2	736.85	1/2	377.69	1/2	25.56	1/2		1/2		1/2	
3/4	2,141.54	3/4	1,782.37	3/4	1,426.73	3/4	1,081.42	3/4	729.37	3/4	370.21	3/4	20.26	3/4		3/4		3/4	
9	2,134.05	9	1,774.89	9	1,419.53	9	1,074.24	9	721.89	9	362.73	9	14.97	9		9		9	
1/4	2,126.57	1/4	1,767.40	1/4	1,412.33	1/4	1,067.06	1/4	714.40	1/4	355.24	1/4		1/4		1/4		1/4	
1/2	2,119.09	1/2	1,759.92	1/2	1,405.14	1/2	1,059.88	1/2	706.92	1/2	347.76	1/2		1/2		1/2		1/2	
3/4	2,111.61	3/4	1,752.44	3/4	1,397.94	3/4	1,052.70	3/4	699.44	3/4	340.28	3/4		3/4		3/4		3/4	
10	2,104.12	10	1,744.95	10	1,390.74	10	1,045.52	10	691.96	10	332.80	10		10		10		10	
1/4	2,096.64	1/4	1,737.47	1/4	1,383.54	1/4	1,038.34	1/4	684.47	1/4	325.31	1/4		1/4		1/4		1/4	
1/2	2,089.16	1/2	1,729.99	1/2	1,376.34	1/2	1,031.16	1/2	676.99	1/2	317.83	1/2		1/2		1/2		1/2	
3/4	2,081.68	3/4	1,722.51	3/4	1,369.14	3/4	1,023.98	3/4	669.51	3/4	310.35	3/4		3/4		3/4		3/4	
11	2,074.19	11	1,715.02	11	1,361.94	11	1,016.80	11	662.03	11	302.87	11		11		11		11	
1/4	2,066.71	1/4	1,707.54	1/4	1,354.74	1/4	1,009.62	1/4	654.54	1/4	295.38	1/4		1/4		1/4		1/4	
1/2	2,059.23	1/2	1,700.06	1/2	1,347.54	1/2	1,002.44	1/2	647.06	1/2	287.90	1/2		1/2		1/2		1/2	
3/4	2,051.75	3/4	1,692.58	3/4	1,340.34	3/4	995.26	3/4	639.58	3/4	280.42	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/04/2014 CL
CALCULATED: 11/05/2014 CL
PRINTED: 11/05/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "KIRBY 29122"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	4,507.67	0	4,185.67	0	3,848.52	0	3,496.42	0	3,138.74	0	2,779.60
1/4		1/4		1/4		1/4		1/4	4,501.11	1/4	4,178.79	1/4	3,841.33	1/4	3,488.97	1/4	3,131.28	1/4	2,772.11
1/2		1/2		1/2		1/2		1/2	4,494.55	1/2	4,171.92	1/2	3,834.14	1/2	3,481.52	1/2	3,123.82	1/2	2,764.63
3/4		3/4		3/4		3/4		3/4	4,487.99	3/4	4,165.04	3/4	3,826.95	3/4	3,474.07	3/4	3,116.36	3/4	2,757.14
1	1	1	1	1	1	1	1	1	4,481.41	1	4,158.14	1	3,819.74	1	3,466.62	1	3,108.88	1	2,749.66
1/4		1/4		1/4		1/4		1/4	4,791.97	1/4	4,474.82	1/4	4,151.24	1/4	3,812.52	1/4	3,459.17	1/4	3,101.39
1/2		1/2		1/2		1/2		1/2	4,786.86	1/2	4,468.24	1/2	4,144.34	1/2	3,805.30	1/2	3,451.71	1/2	3,093.91
3/4		3/4		3/4		3/4		3/4	4,781.75	3/4	4,461.66	3/4	4,137.43	3/4	3,798.09	3/4	3,444.26	3/4	3,086.43
2	2	2	2	2	2	2	2	2	4,775.40	2	4,455.05	2	4,130.51	2	3,790.84	2	3,436.81	2	3,078.94
1/4		1/4		1/4		1/4		1/4	4,769.06	1/4	4,448.44	1/4	4,123.59	1/4	3,783.60	1/4	3,429.36	1/4	3,071.46
1/2		1/2		1/2		1/2		1/2	4,762.71	1/2	4,441.84	1/2	4,116.66	1/2	3,776.36	1/2	3,421.91	1/2	3,063.98
3/4		3/4		3/4		3/4		3/4	4,756.37	3/4	4,435.23	3/4	4,109.74	3/4	3,769.11	3/4	3,414.46	3/4	3,056.49
3	3	3	3	3	3	3	3	3	4,749.14	3	4,428.59	3	4,102.79	3	3,761.85	3	3,407.00	3	3,049.01
1/4		1/4		1/4		1/4		1/4	4,741.91	1/4	4,421.96	1/4	4,095.84	1/4	3,754.58	1/4	3,399.55	1/4	3,041.52
1/2		1/2		1/2		1/2		1/2	4,734.67	1/2	4,415.32	1/2	4,088.89	1/2	3,747.32	1/2	3,392.10	1/2	3,034.04
3/4		3/4		3/4		3/4		3/4	4,727.44	3/4	4,408.69	3/4	4,081.94	3/4	3,740.05	3/4	3,384.65	3/4	3,026.56
4	4	4	4	4	4	4	4	4	4,719.99	4	4,402.03	4	4,074.96	4	3,732.76	4	3,377.20	4	3,019.07
1/4		1/4		1/4		1/4		1/4	4,712.54	1/4	4,395.36	1/4	4,067.99	1/4	3,725.47	1/4	3,369.75	1/4	3,011.59
1/2		1/2		1/2		1/2		1/2	4,705.09	1/2	4,388.70	1/2	4,061.01	1/2	3,718.18	1/2	3,362.30	1/2	3,004.11
3/4		3/4		3/4		3/4		3/4	4,697.64	3/4	4,382.04	3/4	4,054.03	3/4	3,710.88	3/4	3,354.84	3/4	2,996.62
5	5	5	5	5	5	5	5	5	4,690.58	5	4,375.35	5	4,047.03	5	3,703.57	5	3,347.39	5	2,989.14
1/4		1/4		1/4		1/4		1/4	4,683.53	1/4	4,368.67	1/4	4,040.03	1/4	3,696.25	1/4	3,339.94	1/4	2,981.65
1/2		1/2		1/2		1/2		1/2	4,676.48	1/2	4,361.98	1/2	4,033.02	1/2	3,688.93	1/2	3,332.49	1/2	2,974.17
3/4		3/4		3/4		3/4		3/4	4,669.42	3/4	4,355.29	3/4	4,026.02	3/4	3,681.61	3/4	3,325.04	3/4	2,966.69
6	6	6	6	6	6	6	6	6	4,663.02	6	4,348.58	6	4,018.99	6	3,674.26	6	3,317.59	6	2,959.97
1/4		1/4		1/4		1/4		1/4	4,656.62	1/4	4,341.86	1/4	4,011.96	1/4	3,666.92	1/4	3,310.14	1/4	2,952.50
1/2		1/2		1/2		1/2		1/2	4,650.22	1/2	4,335.15	1/2	4,004.93	1/2	3,659.58	1/2	3,302.68	1/2	2,944.24
3/4		3/4		3/4		3/4		3/4	4,643.82	3/4	4,328.43	3/4	3,997.90	3/4	3,652.23	3/4	3,295.23	3/4	2,936.75
7	7	7	7	7	7	7	7	7	4,637.40	7	4,321.69	7	3,990.84	7	3,644.86	7	3,287.78	7	2,929.27
1/4		1/4		1/4		1/4		1/4	4,630.97	1/4	4,314.95	1/4	3,983.79	1/4	3,637.49	1/4	3,280.33	1/4	2,921.79
1/2		1/2		1/2		1/2		1/2	4,624.55	1/2	4,308.21	1/2	3,976.73	1/2	3,630.12	1/2	3,272.88	1/2	2,914.30
3/4		3/4		3/4		3/4		3/4	4,618.12	3/4	4,301.47	3/4	3,969.68	3/4	3,622.74	3/4	3,265.43	3/4	2,906.82
8	8	8	8	8	8	8	8	8	4,611.67	8	4,294.70	8	3,962.59	8	3,615.35	8	3,257.97	8	2,899.33
1/4		1/4		1/4		1/4		1/4	4,605.21	1/4	4,287.93	1/4	3,955.51	1/4	3,607.95	1/4	3,250.52	1/4	2,891.85
1/2		1/2		1/2		1/2		1/2	4,598.76	1/2	4,281.16	1/2	3,948.43	1/2	3,600.55	1/2	3,243.07	1/2	2,884.37
3/4		3/4		3/4		3/4		3/4	4,592.31	3/4	4,274.40	3/4	3,941.34	3/4	3,593.15	3/4	3,235.62	3/4	2,876.88
9	9	9	9	9	9	9	9	9	4,585.83	9	4,267.60	9	3,934.24	9	3,585.73	9	3,228.17	9	2,869.40
1/4		1/4		1/4		1/4		1/4	4,579.35	1/4	4,260.81	1/4	3,927.13	1/4	3,578.30	1/4	3,220.72	1/4	2,861.92
1/2		1/2		1/2		1/2		1/2	4,572.87	1/2	4,254.01	1/2	3,920.02	1/2	3,570.88	1/2	3,213.27	1/2	2,854.43
3/4		3/4		3/4		3/4		3/4	4,566.39	3/4	4,247.22	3/4	3,912.91	3/4	3,563.45	3/4	3,205.81	3/4	2,846.95
10	10	10	10	10	10	10	10	10	4,559.88	10	4,240.40	10	3,905.77	10	3,556.01	10	3,198.36	10	2,839.46
1/4		1/4		1/4		1/4		1/4	4,553.38	1/4	4,233.58	1/4	3,898.63	1/4	3,548.57	1/4	3,190.91	1/4	2,831.98
1/2		1/2		1/2		1/2		1/2	4,546.87	1/2	4,226.76	1/2	3,891.50	1/2	3,541.12	1/2	3,183.46	1/2	2,824.50
3/4		3/4		3/4		3/4		3/4	4,540.36	3/4	4,219.93	3/4	3,884.36	3/4	3,533.68	3/4	3,176.01	3/4	2,817.01
11	11	11	11	11	11	11	11	11	4,533.83	11	4,213.09	11	3,877.20	11	3,526.23	11	3,168.56	11	2,809.53
1/4		1/4		1/4		1/4		1/4	4,527.30	1/4	4,206.24	1/4	3,870.04	1/4	3,518.78	1/4	3,161.11	1/4	2,802.05
1/2		1/2		1/2		1/2		1/2	4,520.76	1/2	4,199.39	1/2	3,862.87	1/2	3,511.33	1/2	3,153.65	1/2	2,794.56
3/4		3/4		3/4		3/4		3/4	4,514.23	3/4	4,192.54	3/4	3,855.71	3/4	3,503.87	3/4	3,146.20	3/4	2,787.08

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29122"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,420.38	0	2,061.16	0	1,701.94	0	1,342.72	0	983.73	0	624.69	0	265.48	0		0		0	
1/4	2,412.89	1/4	2,053.68	1/4	1,694.46	1/4	1,335.24	1/4	976.26	1/4	617.20	1/4	258.00	1/4		1/4		1/4	
1/2	2,405.41	1/2	2,046.19	1/2	1,686.97	1/2	1,327.76	1/2	968.79	1/2	609.72	1/2	250.52	1/2		1/2		1/2	
3/4	2,397.93	3/4	2,038.71	3/4	1,679.49	3/4	1,320.27	3/4	961.32	3/4	602.24	3/4	243.03	3/4		3/4		3/4	
1	2,390.44	1	2,031.23	1	1,672.01	1	1,312.79	1	953.85	1	594.75	1	235.55	1		1		1	
1/4	2,382.96	1/4	2,023.74	1/4	1,664.52	1/4	1,305.31	1/4	946.38	1/4	587.27	1/4	228.07	1/4		1/4		1/4	
1/2	2,375.48	1/2	2,016.26	1/2	1,657.04	1/2	1,297.82	1/2	938.90	1/2	579.79	1/2	220.59	1/2		1/2		1/2	
3/4	2,367.99	3/4	2,008.77	3/4	1,649.56	3/4	1,290.34	3/4	931.43	3/4	572.30	3/4	213.10	3/4		3/4		3/4	
2	2,360.51	2	2,001.29	2	1,642.07	2	1,282.86	2	923.96	2	564.82	2	205.62	2		2		2	
1/4	2,353.02	1/4	1,993.81	1/4	1,634.59	1/4	1,275.37	1/4	916.49	1/4	557.34	1/4	198.14	1/4		1/4		1/4	
1/2	2,345.54	1/2	1,986.32	1/2	1,627.11	1/2	1,267.89	1/2	909.02	1/2	549.85	1/2	190.66	1/2		1/2		1/2	
3/4	2,338.06	3/4	1,978.84	3/4	1,619.62	3/4	1,260.40	3/4	901.55	3/4	542.37	3/4	183.18	3/4		3/4		3/4	
3	2,330.57	3	1,971.36	3	1,612.14	3	1,252.92	3	894.07	3	534.89	3	175.70	3		3		3	
1/4	2,323.09	1/4	1,963.87	1/4	1,604.65	1/4	1,245.44	1/4	886.59	1/4	527.40	1/4	168.23	1/4		1/4		1/4	
1/2	2,315.61	1/2	1,956.39	1/2	1,597.17	1/2	1,237.95	1/2	879.12	1/2	519.92	1/2	160.75	1/2		1/2		1/2	
3/4	2,308.12	3/4	1,948.90	3/4	1,589.69	3/4	1,230.47	3/4	871.64	3/4	512.44	3/4	153.28	3/4		3/4		3/4	
4	2,300.64	4	1,941.42	4	1,582.20	4	1,222.99	4	864.16	4	504.95	4	145.81	4		4		4	
1/4	2,293.15	1/4	1,933.94	1/4	1,574.72	1/4	1,215.50	1/4	856.67	1/4	497.47	1/4	138.35	1/4		1/4		1/4	
1/2	2,285.67	1/2	1,926.45	1/2	1,567.24	1/2	1,208.02	1/2	849.19	1/2	489.99	1/2	130.89	1/2		1/2		1/2	
3/4	2,278.19	3/4	1,918.97	3/4	1,559.75	3/4	1,200.53	3/4	841.71	3/4	482.50	3/4	123.42	3/4		3/4		3/4	
5	2,270.70	5	1,911.49	5	1,552.27	5	1,193.05	5	834.22	5	475.02	5	115.98	5		5		5	
1/4	2,263.22	1/4	1,904.00	1/4	1,544.78	1/4	1,185.57	1/4	826.74	1/4	467.54	1/4	108.53	1/4		1/4		1/4	
1/2	2,255.74	1/2	1,896.52	1/2	1,537.30	1/2	1,178.08	1/2	819.26	1/2	460.05	1/2	101.09	1/2		1/2		1/2	
3/4	2,248.25	3/4	1,889.03	3/4	1,529.82	3/4	1,170.60	3/4	811.77	3/4	452.57	3/4	93.64	3/4		3/4		3/4	
6	2,240.77	6	1,881.55	6	1,522.33	6	1,163.12	6	804.29	6	445.09	6	86.23	6		6		6	
1/4	2,233.28	1/4	1,874.07	1/4	1,514.85	1/4	1,155.63	1/4	796.81	1/4	437.60	1/4	78.81	1/4		1/4		1/4	
1/2	2,225.80	1/2	1,866.58	1/2	1,507.37	1/2	1,148.15	1/2	789.32	1/2	430.12	1/2	71.40	1/2		1/2		1/2	
3/4	2,218.32	3/4	1,859.10	3/4	1,499.88	3/4	1,140.66	3/4	781.84	3/4	422.64	3/4	63.98	3/4		3/4		3/4	
7	2,210.83	7	1,851.62	7	1,492.40	7	1,133.19	7	774.36	7	415.15	7	57.03	7		7		7	
1/4	2,203.35	1/4	1,844.13	1/4	1,484.91	1/4	1,125.71	1/4	766.87	1/4	407.67	1/4	50.07	1/4		1/4		1/4	
1/2	2,195.87	1/2	1,836.65	1/2	1,477.43	1/2	1,118.23	1/2	759.39	1/2	400.19	1/2	43.12	1/2		1/2		1/2	
3/4	2,188.38	3/4	1,829.17	3/4	1,469.95	3/4	1,110.75	3/4	751.91	3/4	392.70	3/4	36.16	3/4		3/4		3/4	
8	2,180.90	8	1,821.68	8	1,462.46	8	1,103.28	8	744.42	8	385.22	8	30.86	8		8		8	
1/4	2,173.42	1/4	1,814.20	1/4	1,454.98	1/4	1,095.81	1/4	736.94	1/4	377.74	1/4	25.57	1/4		1/4		1/4	
1/2	2,165.93	1/2	1,806.71	1/2	1,447.50	1/2	1,088.33	1/2	729.46	1/2	370.25	1/2	20.27	1/2		1/2		1/2	
3/4	2,158.45	3/4	1,799.23	3/4	1,440.01	3/4	1,080.86	3/4	721.97	3/4	362.77	3/4	14.97	3/4		3/4		3/4	
9	2,150.96	9	1,791.75	9	1,432.53	9	1,073.39	9	714.49	9	355.29	9		9		9		9	
1/4	2,143.48	1/4	1,784.26	1/4	1,425.05	1/4	1,065.92	1/4	707.01	1/4	347.80	1/4		1/4		1/4		1/4	
1/2	2,136.00	1/2	1,776.78	1/2	1,417.56	1/2	1,058.45	1/2	699.52	1/2	340.32	1/2		1/2		1/2		1/2	
3/4	2,128.51	3/4	1,769.30	3/4	1,410.08	3/4	1,050.98	3/4	692.04	3/4	332.84	3/4		3/4		3/4		3/4	
10	2,121.03	10	1,761.81	10	1,402.59	10	1,043.50	10	684.56	10	325.35	10		10		10		10	
1/4	2,113.55	1/4	1,754.33	1/4	1,395.11	1/4	1,036.03	1/4	677.07	1/4	317.87	1/4		1/4		1/4		1/4	
1/2	2,106.06	1/2	1,746.84	1/2	1,387.63	1/2	1,028.56	1/2	669.59	1/2	310.39	1/2		1/2		1/2		1/2	
3/4	2,098.58	3/4	1,739.36	3/4	1,380.14	3/4	1,021.09	3/4	662.11	3/4	302.90	3/4		3/4		3/4		3/4	
11	2,091.09	11	1,731.88	11	1,372.66	11	1,013.62	11	654.62	11	295.42	11		11		11		11	
1/4	2,083.61	1/4	1,724.39	1/4	1,365.18	1/4	1,006.15	1/4	647.14	1/4	287.94	1/4		1/4		1/4		1/4	
1/2	2,076.13	1/2	1,716.91	1/2	1,357.69	1/2	998.68	1/2	639.65	1/2	280.45	1/2		1/2		1/2		1/2	
3/4	2,068.64	3/4	1,709.43	3/4	1,350.21	3/4	991.20	3/4	632.17	3/4	272.97	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/04/2014 CL
CALCULATED: 11/05/2014 CL
PRINTED: 11/05/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "KIRBY 29122"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	4,128.24	0	3,882.80	0	3,625.35	0	3,356.09	0	3,009.14	0	2,653.02
1/4		1/4		1/4		1/4	4,363.19	1/4	4,123.26	1/4	3,877.56	1/4	3,619.87	1/4	3,350.39	1/4	3,001.75	1/4	2,645.60
1/2		1/2		1/2		1/2	4,358.56	1/2	4,118.25	1/2	3,872.31	1/2	3,614.37	1/2	3,344.69	1/2	2,994.33	1/2	2,638.18
3/4		3/4		3/4		3/4	4,353.93	3/4	4,113.25	3/4	3,867.05	3/4	3,608.86	3/4	3,338.99	3/4	2,986.91	3/4	2,630.76
1	1	1	1	1	1	1	4,349.30	1	4,108.24	1	3,861.79	1	3,603.36	1	3,333.29	1	2,979.49	1	2,623.34
1/4		1/4		1/4		1/4	4,344.67	1/4	4,103.24	1/4	3,856.53	1/4	3,597.86	1/4	3,327.59	1/4	2,972.07	1/4	2,615.92
1/2		1/2		1/2		1/2	4,340.52	1/2	4,098.22	1/2	3,851.26	1/2	3,592.33	1/2	3,320.17	1/2	2,964.65	1/2	2,608.50
3/4		3/4		3/4		3/4	4,336.38	3/4	4,093.19	3/4	3,845.98	3/4	3,586.80	3/4	3,312.75	3/4	2,957.23	3/4	2,601.08
2	2	2	2	2	2	2	4,332.23	2	4,088.17	2	3,840.71	2	3,581.27	2	3,305.32	2	2,949.81	2	2,593.66
1/4		1/4		1/4		1/4	4,328.08	1/4	4,083.15	1/4	3,835.43	1/4	3,575.74	1/4	3,297.90	1/4	2,942.39	1/4	2,586.24
1/2		1/2		1/2		1/2	4,322.73	1/2	4,078.10	1/2	3,830.14	1/2	3,570.20	1/2	3,290.48	1/2	2,934.97	1/2	2,578.82
3/4		3/4		3/4		3/4	4,317.38	3/4	4,073.06	3/4	3,824.84	3/4	3,564.65	3/4	3,283.05	3/4	2,927.55	3/4	2,571.40
3	3	3	3	3	3	3	4,312.02	3	4,068.01	3	3,819.55	3	3,559.11	3	3,275.63	3	2,920.13	3	2,563.98
1/4		1/4		1/4		1/4	4,306.67	1/4	4,062.97	1/4	3,814.26	1/4	3,553.56	1/4	3,268.21	1/4	2,912.71	1/4	2,556.56
1/2		1/2		1/2		1/2	4,300.97	1/2	4,057.90	1/2	3,808.94	1/2	3,548.00	1/2	3,260.79	1/2	2,905.29	1/2	2,549.14
3/4		3/4		3/4		3/4	4,295.27	3/4	4,052.84	3/4	3,803.62	3/4	3,542.43	3/4	3,253.36	3/4	2,897.87	3/4	2,541.72
4	4	4	4	4	4	4	4,289.57	4	4,047.77	4	3,798.31	4	3,536.87	4	3,245.94	4	2,890.45	4	2,534.30
1/4		1/4		1/4		1/4	4,283.87	1/4	4,042.71	1/4	3,792.99	1/4	3,531.31	1/4	3,238.52	1/4	2,883.03	1/4	2,526.88
1/2		1/2		1/2		1/2	4,278.17	1/2	4,037.62	1/2	3,787.66	1/2	3,525.72	1/2	3,231.10	1/2	2,875.61	1/2	2,519.47
3/4		3/4		3/4		3/4	4,272.47	3/4	4,032.53	3/4	3,782.32	3/4	3,520.13	3/4	3,223.67	3/4	2,868.19	3/4	2,512.05
5	5	5	5	5	5	5	4,266.77	5	4,027.44	5	3,776.98	5	3,514.55	5	3,216.25	5	2,860.77	5	2,504.63
1/4		1/4		1/4		1/4	4,261.07	1/4	4,022.35	1/4	3,771.65	1/4	3,508.96	1/4	3,208.83	1/4	2,853.35	1/4	2,497.21
1/2		1/2		1/2		1/2	4,256.22	1/2	4,017.25	1/2	3,766.29	1/2	3,503.35	1/2	3,201.43	1/2	2,845.93	1/2	2,489.79
3/4		3/4		3/4		3/4	4,251.36	3/4	4,012.14	3/4	3,760.93	3/4	3,497.75	3/4	3,194.04	3/4	2,838.51	3/4	2,482.37
6	6	6	6	6	6	6	4,246.50	6	4,007.03	6	3,755.57	6	3,492.14	6	3,186.64	6	2,831.09	6	2,474.95
1/4		1/4		1/4		1/4	4,241.64	1/4	4,001.93	1/4	3,750.21	1/4	3,486.54	1/4	3,179.24	1/4	2,823.67	1/4	2,467.53
1/2		1/2		1/2		1/2	4,236.76	1/2	3,996.80	1/2	3,744.84	1/2	3,480.91	1/2	3,171.85	1/2	2,816.25	1/2	2,460.11
3/4		3/4		3/4		3/4	4,231.88	3/4	3,991.67	3/4	3,739.46	3/4	3,475.28	3/4	3,164.45	3/4	2,808.83	3/4	2,452.69
7	7	7	7	7	7	7	4,227.00	7	3,986.54	7	3,734.08	7	3,469.65	7	3,157.06	7	2,801.41	7	2,445.27
1/4		1/4		1/4		1/4	4,222.12	1/4	3,981.41	1/4	3,728.71	1/4	3,464.02	1/4	3,149.66	1/4	2,793.99	1/4	2,437.85
1/2		1/2		1/2		1/2	4,217.22	1/2	3,976.26	1/2	3,723.30	1/2	3,458.37	1/2	3,142.27	1/2	2,786.57	1/2	2,430.43
3/4		3/4		3/4		3/4	4,212.32	3/4	3,971.11	3/4	3,717.90	3/4	3,452.72	3/4	3,134.87	3/4	2,779.15	3/4	2,423.01
8	8	8	8	8	8	8	4,207.42	8	3,965.96	8	3,712.50	8	3,447.07	8	3,127.47	8	2,771.73	8	2,415.59
1/4		1/4		1/4		1/4	4,202.52	1/4	3,960.81	1/4	3,707.10	1/4	3,441.43	1/4	3,120.08	1/4	2,764.32	1/4	2,408.17
1/2		1/2		1/2		1/2	4,197.60	1/2	3,955.64	1/2	3,701.68	1/2	3,435.76	1/2	3,112.68	1/2	2,756.90	1/2	2,400.75
3/4		3/4		3/4		3/4	4,192.68	3/4	3,950.47	3/4	3,696.27	3/4	3,430.08	3/4	3,105.29	3/4	2,749.48	3/4	2,393.33
9	9	9	9	9	9	9	4,187.76	9	3,945.29	9	3,690.85	9	3,424.41	9	3,097.89	9	2,742.06	9	2,385.91
1/4		1/4		1/4		1/4	4,182.84	1/4	3,940.12	1/4	3,685.43	1/4	3,418.74	1/4	3,090.50	1/4	2,734.64	1/4	2,378.49
1/2		1/2		1/2		1/2	4,177.89	1/2	3,934.93	1/2	3,679.98	1/2	3,413.05	1/2	3,083.10	1/2	2,727.22	1/2	2,371.07
3/4		3/4		3/4		3/4	4,172.95	3/4	3,929.74	3/4	3,674.54	3/4	3,407.36	3/4	3,075.70	3/4	2,719.80	3/4	2,363.65
10	10	10	10	10	10	10	4,168.00	10	3,924.55	10	3,669.10	10	3,401.67	10	3,068.31	10	2,712.38	10	2,356.23
1/4		1/4		1/4		1/4	4,163.06	1/4	3,919.36	1/4	3,663.66	1/4	3,395.98	1/4	3,060.91	1/4	2,704.96	1/4	2,348.81
1/2		1/2		1/2		1/2	4,158.09	1/2	3,914.14	1/2	3,658.19	1/2	3,390.28	1/2	3,053.52	1/2	2,697.54	1/2	2,341.39
3/4		3/4		3/4		3/4	4,153.13	3/4	3,908.93	3/4	3,652.73	3/4	3,384.59	3/4	3,046.12	3/4	2,690.12	3/4	2,333.97
11	11	11	11	11	11	11	4,148.17	11	3,903.71	11	3,647.27	11	3,378.89	11	3,038.72	11	2,682.70	11	2,326.55
1/4		1/4		1/4		1/4	4,143.21	1/4	3,898.50	1/4	3,641.81	1/4	3,373.19	1/4	3,031.33	1/4	2,675.28	1/4	2,319.13
1/2		1/2		1/2		1/2	4,138.22	1/2	3,893.26	1/2	3,636.33	1/2	3,367.49	1/2	3,023.93	1/2	2,667.86	1/2	2,311.71
3/4		3/4		3/4		3/4	4,133.23	3/4	3,888.03	3/4	3,630.84	3/4	3,361.79	3/4	3,016.54	3/4	2,660.44	3/4	2,304.29

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29122"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	2,296.87	0	1,940.32	0	1,584.61	0	1,227.89	0	884.13	0	527.77	0	170.86	0		0		0	
1/4	2,289.45	1/4	1,932.89	1/4	1,577.20	1/4	1,220.46	1/4	876.99	1/4	520.34	1/4	163.43	1/4		1/4		1/4	
1/2	2,282.03	1/2	1,925.45	1/2	1,569.79	1/2	1,213.29	1/2	869.57	1/2	512.90	1/2	155.99	1/2		1/2		1/2	
3/4	2,274.61	3/4	1,918.02	3/4	1,562.38	3/4	1,206.12	3/4	862.16	3/4	505.47	3/4	148.56	3/4		3/4		3/4	
1	2,267.19	1	1,910.58	1	1,554.97	1	1,198.96	1	854.75	1	498.03	1	141.12	1		1		1	
1/4	2,259.77	1/4	1,903.15	1/4	1,547.57	1/4	1,191.79	1/4	847.33	1/4	490.59	1/4	133.69	1/4		1/4		1/4	
1/2	2,252.35	1/2	1,895.74	1/2	1,540.13	1/2	1,184.62	1/2	839.92	1/2	483.16	1/2	126.25	1/2		1/2		1/2	
3/4	2,244.93	3/4	1,888.33	3/4	1,532.70	3/4	1,177.46	3/4	832.50	3/4	475.72	3/4	118.82	3/4		3/4		3/4	
2	2,237.51	2	1,880.93	2	1,525.26	2	1,170.29	2	825.09	2	468.29	2	111.38	2		2		2	
1/4	2,230.09	1/4	1,873.52	1/4	1,517.83	1/4	1,163.12	1/4	817.68	1/4	460.85	1/4	103.95	1/4		1/4		1/4	
1/2	2,222.67	1/2	1,866.11	1/2	1,510.39	1/2	1,155.96	1/2	810.26	1/2	453.42	1/2	96.83	1/2		1/2		1/2	
3/4	2,215.25	3/4	1,858.70	3/4	1,502.96	3/4	1,148.79	3/4	802.85	3/4	445.98	3/4	89.70	3/4		3/4		3/4	
3	2,207.83	3	1,851.29	3	1,495.53	3	1,141.63	3	795.43	3	438.55	3	82.58	3		3		3	
1/4	2,200.41	1/4	1,843.89	1/4	1,488.09	1/4	1,134.46	1/4	788.02	1/4	431.11	1/4	75.46	1/4		1/4		1/4	
1/2	2,192.99	1/2	1,836.48	1/2	1,480.66	1/2	1,127.29	1/2	780.58	1/2	423.67	1/2	69.28	1/2		1/2		1/2	
3/4	2,185.57	3/4	1,829.07	3/4	1,473.22	3/4	1,120.13	3/4	773.15	3/4	416.24	3/4	63.10	3/4		3/4		3/4	
4	2,178.15	4	1,821.66	4	1,465.79	4	1,112.96	4	765.71	4	408.80	4	56.92	4		4		4	
1/4	2,170.73	1/4	1,814.25	1/4	1,458.35	1/4	1,105.79	1/4	758.28	1/4	401.37	1/4	50.74	1/4		1/4		1/4	
1/2	2,163.31	1/2	1,806.85	1/2	1,450.92	1/2	1,098.63	1/2	750.84	1/2	393.93	1/2	45.81	1/2		1/2		1/2	
3/4	2,155.89	3/4	1,799.44	3/4	1,443.49	3/4	1,091.46	3/4	743.40	3/4	386.50	3/4	40.89	3/4		3/4		3/4	
5	2,148.47	5	1,792.03	5	1,436.05	5	1,084.29	5	735.97	5	379.06	5	35.96	5		5		5	
1/4	2,141.05	1/4	1,784.62	1/4	1,428.62	1/4	1,077.13	1/4	728.53	1/4	371.62	1/4	31.04	1/4		1/4		1/4	
1/2	2,133.61	1/2	1,777.21	1/2	1,421.18	1/2	1,069.97	1/2	721.10	1/2	364.19	1/2	27.38	1/2		1/2		1/2	
3/4	2,126.18	3/4	1,769.81	3/4	1,413.75	3/4	1,062.82	3/4	713.66	3/4	356.75	3/4	23.71	3/4		3/4		3/4	
6	2,118.74	6	1,762.40	6	1,406.31	6	1,055.67	6	706.23	6	349.32	6	20.05	6		6		6	
1/4	2,111.31	1/4	1,754.99	1/4	1,398.88	1/4	1,048.52	1/4	698.79	1/4	341.88	1/4	16.39	1/4		1/4		1/4	
1/2	2,103.88	1/2	1,747.58	1/2	1,391.45	1/2	1,041.36	1/2	691.36	1/2	334.45	1/2		1/2		1/2		1/2	
3/4	2,096.44	3/4	1,740.17	3/4	1,384.01	3/4	1,034.21	3/4	683.92	3/4	327.01	3/4		3/4		3/4		3/4	
7	2,089.01	7	1,732.77	7	1,376.58	7	1,027.06	7	676.48	7	319.58	7		7		7		7	
1/4	2,081.57	1/4	1,725.36	1/4	1,369.14	1/4	1,019.91	1/4	669.05	1/4	312.14	1/4		1/4		1/4		1/4	
1/2	2,074.14	1/2	1,717.95	1/2	1,361.71	1/2	1,012.76	1/2	661.61	1/2	304.70	1/2		1/2		1/2		1/2	
3/4	2,066.70	3/4	1,710.54	3/4	1,354.27	3/4	1,005.61	3/4	654.18	3/4	297.27	3/4		3/4		3/4		3/4	
8	2,059.27	8	1,703.13	8	1,346.84	8	998.46	8	646.74	8	289.83	8		8		8		8	
1/4	2,051.84	1/4	1,695.73	1/4	1,339.41	1/4	991.31	1/4	639.31	1/4	282.40	1/4		1/4		1/4		1/4	
1/2	2,044.40	1/2	1,688.32	1/2	1,331.97	1/2	984.17	1/2	631.87	1/2	274.96	1/2		1/2		1/2		1/2	
3/4	2,036.97	3/4	1,680.91	3/4	1,324.54	3/4	977.02	3/4	624.44	3/4	267.53	3/4		3/4		3/4		3/4	
9	2,029.53	9	1,673.50	9	1,317.10	9	969.88	9	617.00	9	260.09	9		9		9		9	
1/4	2,022.10	1/4	1,666.09	1/4	1,309.67	1/4	962.73	1/4	609.56	1/4	252.66	1/4		1/4		1/4		1/4	
1/2	2,014.66	1/2	1,658.69	1/2	1,302.23	1/2	955.59	1/2	602.13	1/2	245.22	1/2		1/2		1/2		1/2	
3/4	2,007.23	3/4	1,651.28	3/4	1,294.80	3/4	948.44	3/4	594.69	3/4	237.78	3/4		3/4		3/4		3/4	
10	1,999.80	10	1,643.87	10	1,287.37	10	941.30	10	587.26	10	230.35	10		10		10		10	
1/4	1,992.36	1/4	1,636.46	1/4	1,279.93	1/4	934.15	1/4	579.82	1/4	222.91	1/4		1/4		1/4		1/4	
1/2	1,984.93	1/2	1,629.05	1/2	1,272.50	1/2	927.01	1/2	572.39	1/2	215.48	1/2		1/2		1/2		1/2	
3/4	1,977.49	3/4	1,621.65	3/4	1,265.06	3/4	919.86	3/4	564.95	3/4	208.04	3/4		3/4		3/4		3/4	
11	1,970.06	11	1,614.24	11	1,257.63	11	912.71	11	557.51	11	200.61	11		11		11		11	
1/4	1,962.62	1/4	1,606.83	1/4	1,250.19	1/4	905.57	1/4	550.08	1/4	193.17	1/4		1/4		1/4		1/4	
1/2	1,955.19	1/2	1,599.42	1/2	1,242.76	1/2	898.42	1/2	542.64	1/2	185.73	1/2		1/2		1/2		1/2	
3/4	1,947.76	3/4	1,592.01	3/4	1,235.33	3/4	891.28	3/4	535.21	3/4	178.30	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/04/2014 CL
CALCULATED: 11/05/2014 CL
PRINTED: 11/05/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "KIRBY 29122"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,159.58	0	3,913.25	0	3,654.92	0	3,384.72	0	3,037.62	0	2,680.19
1/4		1/4		1/4		1/4		1/4	4,154.57	1/4	3,907.99	1/4	3,649.41	1/4	3,378.99	1/4	3,030.17	1/4	2,672.74
1/2		1/2		1/2		1/2	4,390.62	1/2	4,149.55	1/2	3,902.73	1/2	3,643.90	1/2	3,373.27	1/2	3,022.73	1/2	2,665.30
3/4		3/4		3/4		3/4	4,385.97	3/4	4,144.53	3/4	3,897.45	3/4	3,638.37	3/4	3,367.54	3/4	3,015.28	3/4	2,657.85
1	1	1	1	1	1	1	4,381.31	1	4,139.50	1	3,892.17	1	3,632.85	1	3,361.82	1	3,007.83	1	2,650.40
1/4		1/4		1/4		1/4	4,376.66	1/4	4,134.47	1/4	3,886.89	1/4	3,627.32	1/4	3,356.10	1/4	3,000.39	1/4	2,642.96
1/2		1/2		1/2		1/2	4,372.00	1/2	4,129.44	1/2	3,881.61	1/2	3,621.79	1/2	3,350.37	1/2	2,992.94	1/2	2,635.51
3/4		3/4		3/4		3/4	4,367.83	3/4	4,124.40	3/4	3,876.31	3/4	3,616.24	3/4	3,342.93	3/4	2,985.49	3/4	2,628.06
2	2	2	2	2	2	2	4,363.66	2	4,119.35	2	3,871.01	2	3,610.69	2	3,335.48	2	2,978.05	2	2,620.62
1/4		1/4		1/4		1/4	4,359.49	1/4	4,114.31	1/4	3,865.71	1/4	3,605.13	1/4	3,328.03	1/4	2,970.60	1/4	2,613.17
1/2		1/2		1/2		1/2	4,355.32	1/2	4,109.26	1/2	3,860.41	1/2	3,599.58	1/2	3,320.59	1/2	2,963.16	1/2	2,605.72
3/4		3/4		3/4		3/4	4,349.94	3/4	4,104.19	3/4	3,855.10	3/4	3,594.01	3/4	3,313.14	3/4	2,955.71	3/4	2,598.28
3	3	3	3	3	3	3	4,344.57	3	4,099.12	3	3,849.78	3	3,588.44	3	3,305.69	3	2,948.26	3	2,590.83
1/4		1/4		1/4		1/4	4,339.19	1/4	4,094.05	1/4	3,844.46	1/4	3,582.88	1/4	3,298.25	1/4	2,940.82	1/4	2,583.38
1/2		1/2		1/2		1/2	4,333.82	1/2	4,088.98	1/2	3,839.15	1/2	3,577.31	1/2	3,290.80	1/2	2,933.37	1/2	2,575.94
3/4		3/4		3/4		3/4	4,328.09	3/4	4,083.89	3/4	3,833.80	3/4	3,571.72	3/4	3,283.35	3/4	2,925.92	3/4	2,568.49
4	4	4	4	4	4	4	4,322.37	4	4,078.80	4	3,828.46	4	3,566.13	4	3,275.91	4	2,918.48	4	2,561.04
1/4		1/4		1/4		1/4	4,316.65	1/4	4,073.72	1/4	3,823.12	1/4	3,560.54	1/4	3,268.46	1/4	2,911.03	1/4	2,553.60
1/2		1/2		1/2		1/2	4,310.92	1/2	4,068.63	1/2	3,817.78	1/2	3,554.96	1/2	3,261.02	1/2	2,903.58	1/2	2,546.15
3/4		3/4		3/4		3/4	4,305.20	3/4	4,063.52	3/4	3,812.43	3/4	3,549.34	3/4	3,253.57	3/4	2,896.14	3/4	2,538.70
5	5	5	5	5	5	5	4,299.48	5	4,058.40	5	3,807.07	5	3,543.73	5	3,246.12	5	2,888.69	5	2,531.26
1/4		1/4		1/4		1/4	4,293.75	1/4	4,053.29	1/4	3,801.71	1/4	3,538.12	1/4	3,238.68	1/4	2,881.24	1/4	2,523.81
1/2		1/2		1/2		1/2	4,288.03	1/2	4,048.18	1/2	3,796.35	1/2	3,532.51	1/2	3,231.23	1/2	2,873.80	1/2	2,516.37
3/4		3/4		3/4		3/4	4,283.15	3/4	4,043.05	3/4	3,790.97	3/4	3,526.88	3/4	3,223.78	3/4	2,866.35	3/4	2,508.92
6	6	6	6	6	6	6	4,278.27	6	4,037.92	6	3,785.58	6	3,521.25	6	3,216.34	6	2,858.90	6	2,501.47
1/4		1/4		1/4		1/4	4,273.38	1/4	4,032.79	1/4	3,780.20	1/4	3,515.62	1/4	3,208.89	1/4	2,851.46	1/4	2,494.03
1/2		1/2		1/2		1/2	4,268.50	1/2	4,027.66	1/2	3,774.82	1/2	3,509.99	1/2	3,201.44	1/2	2,844.01	1/2	2,486.58
3/4		3/4		3/4		3/4	4,263.60	3/4	4,022.51	3/4	3,769.42	3/4	3,504.34	3/4	3,194.00	3/4	2,836.56	3/4	2,479.13
7	7	7	7	7	7	7	4,258.70	7	4,017.35	7	3,764.02	7	3,498.69	7	3,186.55	7	2,829.12	7	2,471.69
1/4		1/4		1/4		1/4	4,253.79	1/4	4,012.20	1/4	3,758.62	1/4	3,493.03	1/4	3,179.10	1/4	2,821.67	1/4	2,464.24
1/2		1/2		1/2		1/2	4,248.89	1/2	4,007.05	1/2	3,753.22	1/2	3,487.38	1/2	3,171.66	1/2	2,814.23	1/2	2,456.79
3/4		3/4		3/4		3/4	4,243.97	3/4	4,001.87	3/4	3,747.79	3/4	3,481.71	3/4	3,164.21	3/4	2,806.78	3/4	2,449.35
8	8	8	8	8	8	8	4,239.04	8	3,996.70	8	3,742.37	8	3,476.04	8	3,156.76	8	2,799.33	8	2,441.90
1/4		1/4		1/4		1/4	4,234.12	1/4	3,991.53	1/4	3,736.94	1/4	3,470.37	1/4	3,149.32	1/4	2,791.89	1/4	2,434.45
1/2		1/2		1/2		1/2	4,229.19	1/2	3,986.36	1/2	3,731.52	1/2	3,464.69	1/2	3,141.87	1/2	2,784.44	1/2	2,427.01
3/4		3/4		3/4		3/4	4,224.25	3/4	3,981.16	3/4	3,726.07	3/4	3,459.00	3/4	3,134.42	3/4	2,776.99	3/4	2,419.56
9	9	9	9	9	9	9	4,219.30	9	3,975.96	9	3,720.63	9	3,453.30	9	3,126.98	9	2,769.55	9	2,412.11
1/4		1/4		1/4		1/4	4,214.36	1/4	3,970.77	1/4	3,715.19	1/4	3,447.61	1/4	3,119.53	1/4	2,762.10	1/4	2,404.67
1/2		1/2		1/2		1/2	4,209.42	1/2	3,965.57	1/2	3,709.75	1/2	3,441.91	1/2	3,112.09	1/2	2,754.65	1/2	2,397.22
3/4		3/4		3/4		3/4	4,204.45	3/4	3,960.36	3/4	3,704.28	3/4	3,436.20	3/4	3,104.64	3/4	2,747.21	3/4	2,389.77
10	10	10	10	10	10	10	4,199.48	10	3,955.14	10	3,698.81	10	3,430.49	10	3,097.19	10	2,739.76	10	2,382.33
1/4		1/4		1/4		1/4	4,194.51	1/4	3,949.93	1/4	3,693.35	1/4	3,424.77	1/4	3,089.75	1/4	2,732.31	1/4	2,374.88
1/2		1/2		1/2		1/2	4,189.54	1/2	3,944.71	1/2	3,687.88	1/2	3,419.06	1/2	3,082.30	1/2	2,724.87	1/2	2,367.44
3/4		3/4		3/4		3/4	4,184.56	3/4	3,939.48	3/4	3,682.39	3/4	3,413.33	3/4	3,074.85	3/4	2,717.42	3/4	2,359.99
11	11	11	11	11	11	11	4,179.57	11	3,934.24	11	3,676.91	11	3,407.61	11	3,067.41	11	2,709.97	11	2,352.54
1/4		1/4		1/4		1/4	4,174.58	1/4	3,929.00	1/4	3,671.42	1/4	3,401.89	1/4	3,059.96	1/4	2,702.53	1/4	2,345.10
1/2		1/2		1/2		1/2	4,169.60	1/2	3,923.76	1/2	3,665.94	1/2	3,396.16	1/2	3,052.51	1/2	2,695.08	1/2	2,337.65
3/4		3/4		3/4		3/4	4,164.59	3/4	3,918.50	3/4	3,660.43	3/4	3,390.44	3/4	3,045.07	3/4	2,687.63	3/4	2,330.20

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29122"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	2,322.76	0	1,965.32	0	1,607.89	0	1,250.46	0	893.25	0	535.99	0	178.57	0		0		0	
1/4	2,315.31	1/4	1,957.88	1/4	1,600.45	1/4	1,243.01	1/4	885.81	1/4	528.54	1/4	171.12	1/4		1/4		1/4	
1/2	2,307.86	1/2	1,950.43	1/2	1,593.00	1/2	1,235.57	1/2	878.38	1/2	521.10	1/2	163.68	1/2		1/2		1/2	
3/4	2,300.42	3/4	1,942.98	3/4	1,585.55	3/4	1,228.12	3/4	870.94	3/4	513.65	3/4	156.23	3/4		3/4		3/4	
1	2,292.97	1	1,935.54	1	1,578.11	1	1,220.67	1	863.51	1	506.21	1	148.78	1		1		1	
1/4	2,285.52	1/4	1,928.09	1/4	1,570.66	1/4	1,213.23	1/4	856.07	1/4	498.76	1/4	141.34	1/4		1/4		1/4	
1/2	2,278.08	1/2	1,920.65	1/2	1,563.21	1/2	1,205.78	1/2	848.64	1/2	491.31	1/2	133.89	1/2		1/2		1/2	
3/4	2,270.63	3/4	1,913.20	3/4	1,555.77	3/4	1,198.33	3/4	841.21	3/4	483.87	3/4	126.44	3/4		3/4		3/4	
2	2,263.18	2	1,905.75	2	1,548.32	2	1,190.89	2	833.77	2	476.42	2	119.00	2		2		2	
1/4	2,255.74	1/4	1,898.31	1/4	1,540.87	1/4	1,183.44	1/4	826.34	1/4	468.97	1/4	111.55	1/4		1/4		1/4	
1/2	2,248.29	1/2	1,890.86	1/2	1,533.43	1/2	1,176.00	1/2	818.90	1/2	461.53	1/2	104.11	1/2		1/2		1/2	
3/4	2,240.84	3/4	1,883.41	3/4	1,525.98	3/4	1,168.55	3/4	811.47	3/4	454.08	3/4	96.98	3/4		3/4		3/4	
3	2,233.40	3	1,875.97	3	1,518.53	3	1,161.10	3	804.03	3	446.63	3	89.85	3		3		3	
1/4	2,225.95	1/4	1,868.52	1/4	1,511.09	1/4	1,153.66	1/4	796.60	1/4	439.19	1/4	82.71	1/4		1/4		1/4	
1/2	2,218.51	1/2	1,861.07	1/2	1,503.64	1/2	1,146.21	1/2	789.16	1/2	431.74	1/2	75.58	1/2		1/2		1/2	
3/4	2,211.06	3/4	1,853.63	3/4	1,496.19	3/4	1,138.76	3/4	781.72	3/4	424.30	3/4	69.39	3/4		3/4		3/4	
4	2,203.61	4	1,846.18	4	1,488.75	4	1,131.32	4	774.27	4	416.85	4	63.20	4		4		4	
1/4	2,196.17	1/4	1,838.73	1/4	1,481.30	1/4	1,123.87	1/4	766.83	1/4	409.40	1/4	57.01	1/4		1/4		1/4	
1/2	2,188.72	1/2	1,831.29	1/2	1,473.86	1/2	1,116.42	1/2	759.38	1/2	401.96	1/2	50.82	1/2		1/2		1/2	
3/4	2,181.27	3/4	1,823.84	3/4	1,466.41	3/4	1,108.98	3/4	751.93	3/4	394.51	3/4	45.88	3/4		3/4		3/4	
5	2,173.83	5	1,816.39	5	1,458.96	5	1,101.53	5	744.49	5	387.06	5	40.94	5		5		5	
1/4	2,166.38	1/4	1,808.95	1/4	1,451.52	1/4	1,094.08	1/4	737.04	1/4	379.62	1/4	36.01	1/4		1/4		1/4	
1/2	2,158.93	1/2	1,801.50	1/2	1,444.07	1/2	1,086.64	1/2	729.59	1/2	372.17	1/2	31.07	1/2		1/2		1/2	
3/4	2,151.49	3/4	1,794.05	3/4	1,436.62	3/4	1,079.19	3/4	722.15	3/4	364.73	3/4	27.40	3/4		3/4		3/4	
6	2,144.04	6	1,786.61	6	1,429.18	6	1,071.74	6	714.70	6	357.28	6	23.73	6		6		6	
1/4	2,136.59	1/4	1,779.16	1/4	1,421.73	1/4	1,064.30	1/4	707.26	1/4	349.83	1/4	20.06	1/4		1/4		1/4	
1/2	2,129.15	1/2	1,771.72	1/2	1,414.28	1/2	1,056.85	1/2	699.81	1/2	342.39	1/2	16.38	1/2		1/2		1/2	
3/4	2,121.70	3/4	1,764.27	3/4	1,406.84	3/4	1,049.40	3/4	692.36	3/4	334.94	3/4		3/4		3/4		3/4	
7	2,114.25	7	1,756.82	7	1,399.39	7	1,041.96	7	684.92	7	327.49	7		7		7		7	
1/4	2,106.81	1/4	1,749.38	1/4	1,391.94	1/4	1,034.51	1/4	677.47	1/4	320.05	1/4		1/4		1/4		1/4	
1/2	2,099.36	1/2	1,741.93	1/2	1,384.50	1/2	1,027.07	1/2	670.02	1/2	312.60	1/2		1/2		1/2		1/2	
3/4	2,091.91	3/4	1,734.48	3/4	1,377.05	3/4	1,019.63	3/4	662.58	3/4	305.16	3/4		3/4		3/4		3/4	
8	2,084.47	8	1,727.04	8	1,369.60	8	1,012.20	8	655.13	8	297.71	8		8		8		8	
1/4	2,077.02	1/4	1,719.59	1/4	1,362.16	1/4	1,004.76	1/4	647.68	1/4	290.26	1/4		1/4		1/4		1/4	
1/2	2,069.58	1/2	1,712.14	1/2	1,354.71	1/2	997.33	1/2	640.24	1/2	282.82	1/2		1/2		1/2		1/2	
3/4	2,062.13	3/4	1,704.70	3/4	1,347.26	3/4	989.89	3/4	632.79	3/4	275.37	3/4		3/4		3/4		3/4	
9	2,054.68	9	1,697.25	9	1,339.82	9	982.46	9	625.35	9	267.92	9		9		9		9	
1/4	2,047.24	1/4	1,689.80	1/4	1,332.37	1/4	975.02	1/4	617.90	1/4	260.48	1/4		1/4		1/4		1/4	
1/2	2,039.79	1/2	1,682.36	1/2	1,324.93	1/2	967.59	1/2	610.45	1/2	253.03	1/2		1/2		1/2		1/2	
3/4	2,032.34	3/4	1,674.91	3/4	1,317.48	3/4	960.16	3/4	603.01	3/4	245.58	3/4		3/4		3/4		3/4	
10	2,024.90	10	1,667.46	10	1,310.03	10	952.72	10	595.56	10	238.14	10		10		10		10	
1/4	2,017.45	1/4	1,660.02	1/4	1,302.59	1/4	945.29	1/4	588.11	1/4	230.69	1/4		1/4		1/4		1/4	
1/2	2,010.00	1/2	1,652.57	1/2	1,295.14	1/2	937.85	1/2	580.67	1/2	223.25	1/2		1/2		1/2		1/2	
3/4	2,002.56	3/4	1,645.12	3/4	1,287.69	3/4	930.42	3/4	573.22	3/4	215.80	3/4		3/4		3/4		3/4	
11	1,995.11	11	1,637.68	11	1,280.25	11	922.98	11	565.78	11	208.35	11		11		11		11	
1/4	1,987.66	1/4	1,630.23	1/4	1,272.80	1/4	915.55	1/4	558.33	1/4	200.91	1/4		1/4		1/4		1/4	
1/2	1,980.22	1/2	1,622.79	1/2	1,265.35	1/2	908.12	1/2	550.88	1/2	193.46	1/2		1/2		1/2		1/2	
3/4	1,972.77	3/4	1,615.34	3/4	1,257.91	3/4	900.68	3/4	543.44	3/4	186.01	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/04/2014 CL
CALCULATED: 11/05/2014 CL
PRINTED: 11/05/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

PRECISION MEASUREMENT
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