



BARGE "KIRBY 29060"

ULLAGE TRIM TABLE
HERMETIC

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-06"

August 24, 2016

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
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BARGE "KIRBY 29060"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,402.38	0	4,102.19	0	3,781.35	0	3,441.01	0	3,097.70	0	2,754.40	0	2,411.09
1/4		1/4		1/4		1/4	4,396.08	1/4	4,095.72	1/4	3,774.43	1/4	3,433.86	1/4	3,090.55	1/4	2,747.25	1/4	2,403.94
1/2		1/2		1/2		1/2	4,389.78	1/2	4,089.25	1/2	3,767.52	1/2	3,426.71	1/2	3,083.40	1/2	2,740.09	1/2	2,396.79
3/4		3/4		3/4		3/4	4,383.48	3/4	4,082.78	3/4	3,760.60	3/4	3,419.55	3/4	3,076.25	3/4	2,732.94	3/4	2,389.64
1		1		1		1	4,377.42	1	4,076.27	1	3,753.65	1	3,412.40	1	3,069.10	1	2,725.79	1	2,382.48
1/4		1/4		1/4		1/4	4,371.37	1/4	4,069.76	1/4	3,746.69	1/4	3,405.25	1/4	3,061.94	1/4	2,718.64	1/4	2,375.33
1/2		1/2		1/2		1/2	4,365.32	1/2	4,063.26	1/2	3,739.74	1/2	3,398.10	1/2	3,054.79	1/2	2,711.49	1/2	2,368.18
3/4		3/4		3/4		3/4	4,359.26	3/4	4,056.75	3/4	3,732.78	3/4	3,390.94	3/4	3,047.64	3/4	2,704.33	3/4	2,361.03
2		2		2		2	4,353.17	2	4,050.20	2	3,725.79	2	3,383.79	2	3,040.49	2	2,697.18	2	2,353.88
1/4		1/4		1/4		1/4	4,347.08	1/4	4,043.66	1/4	3,718.80	1/4	3,376.64	1/4	3,033.33	1/4	2,690.03	1/4	2,346.72
1/2		1/2		1/2		1/2	4,340.99	1/2	4,037.12	1/2	3,711.81	1/2	3,369.49	1/2	3,026.18	1/2	2,682.88	1/2	2,339.57
3/4		3/4		3/4		3/4	4,334.89	3/4	4,030.57	3/4	3,704.82	3/4	3,362.34	3/4	3,019.03	3/4	2,675.72	3/4	2,332.42
3		3		3		3	4,328.76	3	4,023.99	3	3,697.78	3	3,355.18	3	3,011.88	3	2,668.57	3	2,325.27
1/4		1/4		1/4		1/4	4,322.63	1/4	4,017.41	1/4	3,690.73	1/4	3,348.03	1/4	3,004.73	1/4	2,661.42	1/4	2,318.11
1/2		1/2		1/2		1/2	4,316.49	1/2	4,010.82	1/2	3,683.69	1/2	3,340.88	1/2	2,997.57	1/2	2,654.27	1/2	2,310.96
3/4		3/4		3/4		3/4	4,310.36	3/4	4,004.24	3/4	3,676.64	3/4	3,333.73	3/4	2,990.42	3/4	2,647.12	3/4	2,303.81
4		4		4		4	4,304.19	4	3,997.62	4	3,669.55	4	3,326.57	4	2,983.27	4	2,639.96	4	2,296.66
1/4		1/4		1/4		1/4	4,298.01	1/4	3,991.00	1/4	3,662.47	1/4	3,319.42	1/4	2,976.12	1/4	2,632.81	1/4	2,289.51
1/2		1/2		1/2		1/2	4,291.84	1/2	3,984.39	1/2	3,655.38	1/2	3,312.27	1/2	2,968.96	1/2	2,625.66	1/2	2,282.35
3/4		3/4		3/4		3/4	4,285.67	3/4	3,977.77	3/4	3,648.29	3/4	3,305.12	3/4	2,961.81	3/4	2,618.51	3/4	2,275.20
5		5		5		5	4,279.46	5	3,971.11	5	3,641.17	5	3,297.97	5	2,954.66	5	2,611.35	5	2,268.05
1/4		1/4		1/4		1/4	4,273.25	1/4	3,964.45	1/4	3,634.04	1/4	3,290.81	1/4	2,947.51	1/4	2,604.20	1/4	2,260.90
1/2		1/2		1/2		1/2	4,267.04	1/2	3,957.80	1/2	3,626.92	1/2	3,283.66	1/2	2,940.36	1/2	2,597.05	1/2	2,253.74
3/4		3/4		3/4		3/4	4,260.83	3/4	3,951.14	3/4	3,619.80	3/4	3,276.51	3/4	2,933.20	3/4	2,589.90	3/4	2,246.59
6		6		6		6	4,254.58	6	3,944.45	6	3,612.65	6	3,269.36	6	2,926.05	6	2,582.75	6	2,239.44
1/4		1/4		1/4		1/4	4,248.33	1/4	3,937.75	1/4	3,605.50	1/4	3,262.20	1/4	2,918.90	1/4	2,575.59	1/4	2,232.29
1/2		1/2		1/2	4,548.63	1/2	4,242.09	1/2	3,931.06	1/2	3,598.35	1/2	3,255.05	1/2	2,911.75	1/2	2,568.44	1/2	2,225.14
3/4		3/4		3/4	4,544.37	3/4	4,235.84	3/4	3,924.37	3/4	3,591.21	3/4	3,247.90	3/4	2,904.59	3/4	2,561.29	3/4	2,217.98
7		7		7	4,538.67	7	4,229.55	7	3,917.64	7	3,584.05	7	3,240.75	7	2,897.44	7	2,554.14	7	2,210.83
1/4		1/4		1/4	4,532.98	1/4	4,223.27	1/4	3,910.91	1/4	3,576.90	1/4	3,233.60	1/4	2,890.29	1/4	2,546.98	1/4	2,203.68
1/2		1/2		1/2	4,527.28	1/2	4,216.98	1/2	3,904.18	1/2	3,569.75	1/2	3,226.44	1/2	2,883.14	1/2	2,539.83	1/2	2,196.53
3/4		3/4		3/4	4,521.59	3/4	4,210.70	3/4	3,897.44	3/4	3,562.60	3/4	3,219.29	3/4	2,875.99	3/4	2,532.68	3/4	2,189.37
8		8		8	4,514.73	8	4,204.38	8	3,890.68	8	3,555.44	8	3,212.14	8	2,868.83	8	2,525.53	8	2,182.22
1/4		1/4		1/4	4,507.88	1/4	4,198.06	1/4	3,883.91	1/4	3,548.29	1/4	3,204.99	1/4	2,861.68	1/4	2,518.38	1/4	2,175.07
1/2		1/2		1/2	4,501.02	1/2	4,191.74	1/2	3,877.14	1/2	3,541.14	1/2	3,197.83	1/2	2,854.53	1/2	2,511.22	1/2	2,167.92
3/4		3/4		3/4	4,494.17	3/4	4,185.41	3/4	3,870.37	3/4	3,533.99	3/4	3,190.68	3/4	2,847.38	3/4	2,504.07	3/4	2,160.77
9		9		9	4,487.04	9	4,179.05	9	3,863.57	9	3,526.84	9	3,183.53	9	2,840.22	9	2,496.92	9	2,153.61
1/4		1/4		1/4	4,479.92	1/4	4,172.70	1/4	3,856.76	1/4	3,519.68	1/4	3,176.38	1/4	2,833.07	1/4	2,489.77	1/4	2,146.46
1/2		1/2		1/2	4,472.79	1/2	4,166.34	1/2	3,849.96	1/2	3,512.53	1/2	3,169.23	1/2	2,825.92	1/2	2,482.61	1/2	2,139.31
3/4		3/4		3/4	4,465.67	3/4	4,159.98	3/4	3,843.15	3/4	3,505.38	3/4	3,162.07	3/4	2,818.77	3/4	2,475.46	3/4	2,132.16
10		10		10	4,458.55	10	4,153.58	10	3,836.31	10	3,498.23	10	3,154.92	10	2,811.62	10	2,468.31	10	2,125.00
1/4		1/4		1/4	4,451.42	1/4	4,147.19	1/4	3,829.47	1/4	3,491.07	1/4	3,147.77	1/4	2,804.46	1/4	2,461.16	1/4	2,117.85
1/2		1/2		1/2	4,444.30	1/2	4,140.79	1/2	3,822.63	1/2	3,483.92	1/2	3,140.62	1/2	2,797.31	1/2	2,454.01	1/2	2,110.70
3/4		3/4		3/4	4,437.18	3/4	4,134.39	3/4	3,815.78	3/4	3,476.77	3/4	3,133.46	3/4	2,790.16	3/4	2,446.85	3/4	2,103.55
11		11		11	4,430.05	11	4,127.96	11	3,808.90	11	3,469.62	11	3,126.31	11	2,783.01	11	2,439.70	11	2,096.40
1/4		1/4		1/4	4,422.93	1/4	4,121.53	1/4	3,802.02	1/4	3,462.47	1/4	3,119.16	1/4	2,775.85	1/4	2,432.55	1/4	2,089.24
1/2		1/2		1/2	4,415.81	1/2	4,115.09	1/2	3,795.15	1/2	3,455.31	1/2	3,112.01	1/2	2,768.70	1/2	2,425.40	1/2	2,082.09
3/4		3/4		3/4	4,408.68	3/4	4,108.66	3/4	3,788.27	3/4	3,448.16	3/4	3,104.86	3/4	2,761.55	3/4	2,418.24	3/4	2,074.94

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'-06" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29060"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,060.63	1/4	1,717.33	1/4	1,374.02	1/4	1,030.85	1/4	690.50	1/4	373.58	1/4	89.05	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,053.48	1/2	1,710.18	1/2	1,366.87	1/2	1,023.72	1/2	683.56	1/2	367.32	1/2	83.46	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,046.33	3/4	1,703.02	3/4	1,359.72	3/4	1,016.60	3/4	676.62	3/4	361.05	3/4	77.87	3/4	3/4	3/4	3/4	3/4	3/4
1	2,039.18	1	1,695.87	1	1,352.57	1	1,009.48	1	669.74	1	354.85	1	72.33	1	1	1	1	1	1
1/4	2,032.03	1/4	1,688.72	1/4	1,345.41	1/4	1,002.35	1/4	662.85	1/4	348.64	1/4	66.80	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,024.87	1/2	1,681.57	1/2	1,338.26	1/2	995.23	1/2	655.97	1/2	342.43	1/2	61.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,017.72	3/4	1,674.42	3/4	1,331.11	3/4	988.11	3/4	649.08	3/4	336.23	3/4	55.73	3/4	3/4	3/4	3/4	3/4	3/4
2	2,010.57	2	1,667.26	2	1,323.96	2	980.99	2	642.25	2	330.08	2	50.25	2	2	2	2	2	2
1/4	2,003.42	1/4	1,660.11	1/4	1,316.81	1/4	973.87	1/4	635.42	1/4	323.93	1/4	44.77	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,996.27	1/2	1,652.96	1/2	1,309.65	1/2	966.75	1/2	628.60	1/2	317.78	1/2	39.29	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,989.11	3/4	1,645.81	3/4	1,302.50	3/4	959.63	3/4	621.77	3/4	311.63	3/4	33.81	3/4	3/4	3/4	3/4	3/4	3/4
3	1,981.96	3	1,638.66	3	1,295.35	3	952.51	3	614.99	3	305.53	3	29.06	3	3	3	3	3	3
1/4	1,974.81	1/4	1,631.50	1/4	1,288.20	1/4	945.39	1/4	608.22	1/4	299.44	1/4	24.31	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,967.66	1/2	1,624.35	1/2	1,281.05	1/2	938.27	1/2	601.45	1/2	293.34	1/2	19.55	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,960.50	3/4	1,617.20	3/4	1,273.89	3/4	931.15	3/4	594.68	3/4	287.25	3/4	14.80	3/4	3/4	3/4	3/4	3/4	3/4
4	1,953.35	4	1,610.05	4	1,266.74	4	924.03	4	587.96	4	281.21	4	11.67	4	4	4	4	4	4
1/4	1,946.20	1/4	1,602.89	1/4	1,259.59	1/4	916.91	1/4	581.24	1/4	275.17	1/4	8.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,939.05	1/2	1,595.74	1/2	1,252.44	1/2	909.79	1/2	574.53	1/2	269.13	1/2	5.41	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,931.90	3/4	1,588.59	3/4	1,245.28	3/4	902.67	3/4	567.81	3/4	263.09	3/4	2.27	3/4	3/4	3/4	3/4	3/4	3/4
5	1,924.74	5	1,581.44	5	1,238.13	5	895.55	5	561.15	5	257.10	5		5	5	5	5	5	5
1/4	1,917.59	1/4	1,574.29	1/4	1,230.98	1/4	888.43	1/4	554.49	1/4	251.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,910.44	1/2	1,567.13	1/2	1,223.83	1/2	881.31	1/2	547.83	1/2	245.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,903.29	3/4	1,559.98	3/4	1,216.68	3/4	874.19	3/4	541.17	3/4	239.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,896.13	6	1,552.83	6	1,209.52	6	867.07	6	534.57	6	233.22	6		6	6	6	6	6	6
1/4	1,888.98	1/4	1,545.68	1/4	1,202.37	1/4	859.95	1/4	527.96	1/4	227.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,881.83	1/2	1,538.52	1/2	1,195.22	1/2	852.83	1/2	521.36	1/2	221.36	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,874.68	3/4	1,531.37	3/4	1,188.07	3/4	845.71	3/4	514.76	3/4	215.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,867.53	7	1,524.22	7	1,180.91	7	838.59	7	508.21	7	209.56	7		7	7	7	7	7	7
1/4	1,860.37	1/4	1,517.07	1/4	1,173.76	1/4	831.47	1/4	501.66	1/4	203.69	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,853.22	1/2	1,509.92	1/2	1,166.61	1/2	824.35	1/2	495.11	1/2	197.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,846.07	3/4	1,502.76	3/4	1,159.46	3/4	817.23	3/4	488.57	3/4	191.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,838.92	8	1,495.61	8	1,152.31	8	810.11	8	482.08	8	186.13	8		8	8	8	8	8	8
1/4	1,831.76	1/4	1,488.46	1/4	1,145.15	1/4	802.98	1/4	475.59	1/4	180.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,824.61	1/2	1,481.31	1/2	1,138.00	1/2	795.86	1/2	469.10	1/2	174.49	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,817.46	3/4	1,474.15	3/4	1,130.85	3/4	788.74	3/4	462.61	3/4	168.68	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,810.31	9	1,467.00	9	1,123.70	9	781.67	9	456.18	9	162.92	9		9	9	9	9	9	9
1/4	1,803.16	1/4	1,459.85	1/4	1,116.54	1/4	774.59	1/4	449.75	1/4	157.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,796.00	1/2	1,452.70	1/2	1,109.39	1/2	767.51	1/2	443.32	1/2	151.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,788.85	3/4	1,445.55	3/4	1,102.24	3/4	760.43	3/4	436.88	3/4	145.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,781.70	10	1,438.39	10	1,095.09	10	753.41	10	430.51	10	139.93	10		10	10	10	10	10	10
1/4	1,774.55	1/4	1,431.24	1/4	1,087.94	1/4	746.39	1/4	424.13	1/4	134.23	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,767.39	1/2	1,424.09	1/2	1,080.78	1/2	739.37	1/2	417.76	1/2	128.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,760.24	3/4	1,416.94	3/4	1,073.63	3/4	732.34	3/4	411.38	3/4	122.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,753.09	11	1,409.78	11	1,066.50	11	725.36	11	405.06	11	117.17	11		11	11	11	11	11	11
1/4	1,745.94	1/4	1,402.63	1/4	1,059.37	1/4	718.37	1/4	398.74	1/4	111.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,738.79	1/2	1,395.48	1/2	1,052.23	1/2	711.38	1/2	392.43	1/2	105.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,731.63	3/4	1,388.33	3/4	1,045.10	3/4	704.39	3/4	386.11	3/4	100.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/24/2016 SW
CALCULATED: 08/25/2016 CL
PRINTED: 08/26/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29060"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,370.66		4,071.67		3,751.48		3,412.21		3,070.44		2,728.68		2,386.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,364.39	1/4	4,065.23	1/4	3,744.59	1/4	3,405.09	1/4	3,063.32	1/4	2,721.56	1/4	2,379.79		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,358.37	1/2	4,058.76	1/2	3,737.67	1/2	3,397.97	1/2	3,056.20	1/2	2,714.44	1/2	2,372.67		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,352.34	3/4	4,052.28	3/4	3,730.75	3/4	3,390.84	3/4	3,049.08	3/4	2,707.32	3/4	2,365.55		
1	1	1	1	1	1	1	4,045.80	1	3,723.83	1	3,383.72	1	3,041.96	1	2,700.20	1	2,358.43				
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,340.30	1/4	4,039.33	1/4	3,716.90	1/4	3,376.60	1/4	3,034.84	1/4	2,693.08	1/4	2,351.31		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,334.24	1/2	4,032.82	1/2	3,709.94	1/2	3,369.48	1/2	3,027.72	1/2	2,685.96	1/2	2,344.19		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,328.18	3/4	4,026.30	3/4	3,702.99	3/4	3,362.36	3/4	3,020.60	3/4	2,678.83	3/4	2,337.07		
2	2	2	2	2	2	2	4,322.12	2	4,019.79	2	3,696.03	2	3,355.24	2	3,013.48	2	2,671.71	2	2,329.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,316.06	1/4	4,013.28	1/4	3,689.07	1/4	3,348.12	1/4	3,006.36	1/4	2,664.59	1/4	2,322.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,309.96	1/2	4,006.73	1/2	3,682.06	1/2	3,341.00	1/2	2,999.24	1/2	2,657.47	1/2	2,315.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,303.86	3/4	4,000.18	3/4	3,675.04	3/4	3,333.88	3/4	2,992.12	3/4	2,650.35	3/4	2,308.59		
3	3	3	3	3	3	3	4,297.76	3	3,993.63	3	3,668.03	3	3,326.76	3	2,985.00	3	2,643.23	3	2,301.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,291.65	1/4	3,987.08	1/4	3,661.02	1/4	3,319.64	1/4	2,977.88	1/4	2,636.11	1/4	2,294.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,285.51	1/2	3,980.49	1/2	3,653.96	1/2	3,312.52	1/2	2,970.76	1/2	2,628.99	1/2	2,287.23		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,279.37	3/4	3,973.91	3/4	3,646.91	3/4	3,305.40	3/4	2,963.64	3/4	2,621.87	3/4	2,280.11		
4	4	4	4	4	4	4	4,273.23	4	3,967.32	4	3,639.85	4	3,298.28	4	2,956.52	4	2,614.75	4	2,272.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,267.09	1/4	3,960.73	1/4	3,632.80	1/4	3,291.16	1/4	2,949.40	1/4	2,607.63	1/4	2,265.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,260.91	1/2	3,954.11	1/2	3,625.71	1/2	3,284.04	1/2	2,942.28	1/2	2,600.51	1/2	2,258.75		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,254.74	3/4	3,947.48	3/4	3,618.61	3/4	3,276.92	3/4	2,935.16	3/4	2,593.39	3/4	2,251.63		
5	5	5	5	5	5	5	4,248.56	5	3,940.86	5	3,611.52	5	3,269.80	5	2,928.04	5	2,586.27	5	2,244.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,242.38	1/4	3,934.23	1/4	3,604.43	1/4	3,262.68	1/4	2,920.92	1/4	2,579.15	1/4	2,237.39		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,236.16	1/2	3,927.57	1/2	3,597.31	1/2	3,255.56	1/2	2,913.80	1/2	2,572.03	1/2	2,230.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,229.95	3/4	3,920.91	3/4	3,590.20	3/4	3,248.44	3/4	2,906.68	3/4	2,564.91	3/4	2,223.15		
6	6	6	4,528.77	6	4,223.73	6	3,914.25	6	3,583.08	6	3,241.32	6	2,899.56	6	2,557.79	6	2,216.03				
1/4	1/4	1/4	4,524.53	1/4	4,217.52	1/4	3,907.59	1/4	3,575.97	1/4	3,234.20	1/4	2,892.44	1/4	2,550.67	1/4	2,208.91				
1/2	1/2	1/2	4,518.86	1/2	4,211.27	1/2	3,900.89	1/2	3,568.85	1/2	3,227.08	1/2	2,885.32	1/2	2,543.55	1/2	2,201.79				
3/4	3/4	3/4	4,513.19	3/4	4,205.01	3/4	3,894.19	3/4	3,561.73	3/4	3,219.96	3/4	2,878.20	3/4	2,536.43	3/4	2,194.67				
7	7	7	4,507.53	7	4,198.76	7	3,887.49	7	3,554.61	7	3,212.84	7	2,871.08	7	2,529.31	7	2,187.55				
1/4	1/4	1/4	4,501.86	1/4	4,192.51	1/4	3,880.79	1/4	3,547.49	1/4	3,205.72	1/4	2,863.96	1/4	2,522.19	1/4	2,180.43				
1/2	1/2	1/2	4,495.03	1/2	4,186.22	1/2	3,874.06	1/2	3,540.37	1/2	3,198.60	1/2	2,856.84	1/2	2,515.07	1/2	2,173.31				
3/4	3/4	3/4	4,488.21	3/4	4,179.93	3/4	3,867.32	3/4	3,533.25	3/4	3,191.48	3/4	2,849.72	3/4	2,507.95	3/4	2,166.19				
8	8	8	4,481.39	8	4,173.64	8	3,860.59	8	3,526.13	8	3,184.36	8	2,842.60	8	2,500.83	8	2,159.07				
1/4	1/4	1/4	4,474.56	1/4	4,167.35	1/4	3,853.85	1/4	3,519.01	1/4	3,177.24	1/4	2,835.48	1/4	2,493.71	1/4	2,151.95				
1/2	1/2	1/2	4,467.47	1/2	4,161.02	1/2	3,847.08	1/2	3,511.89	1/2	3,170.12	1/2	2,828.36	1/2	2,486.59	1/2	2,144.83				
3/4	3/4	3/4	4,460.38	3/4	4,154.70	3/4	3,840.30	3/4	3,504.77	3/4	3,163.00	3/4	2,821.24	3/4	2,479.47	3/4	2,137.71				
9	9	9	4,453.29	9	4,148.37	9	3,833.53	9	3,497.65	9	3,155.88	9	2,814.12	9	2,472.35	9	2,130.59				
1/4	1/4	1/4	4,446.20	1/4	4,142.04	1/4	3,826.76	1/4	3,490.53	1/4	3,148.76	1/4	2,807.00	1/4	2,465.23	1/4	2,123.47				
1/2	1/2	1/2	4,439.10	1/2	4,135.68	1/2	3,819.95	1/2	3,483.41	1/2	3,141.64	1/2	2,799.88	1/2	2,458.11	1/2	2,116.35				
3/4	3/4	3/4	4,432.01	3/4	4,129.32	3/4	3,813.14	3/4	3,476.29	3/4	3,134.52	3/4	2,792.76	3/4	2,450.99	3/4	2,109.23				
10	10	10	4,424.92	10	4,122.95	10	3,806.33	10	3,469.17	10	3,127.40	10	2,785.64	10	2,443.87	10	2,102.11				
1/4	1/4	1/4	4,417.83	1/4	4,116.59	1/4	3,799.52	1/4	3,462.05	1/4	3,120.28	1/4	2,778.52	1/4	2,436.75	1/4	2,094.99				
1/2	1/2	1/2	4,410.74	1/2	4,110.19	1/2	3,792.67	1/2	3,454.93	1/2	3,113.16	1/2	2,771.40	1/2	2,429.63	1/2	2,087.87				
3/4	3/4	3/4	4,403.65	3/4	4,103.79	3/4	3,785.82	3/4	3,447.81	3/4	3,106.04	3/4	2,764.28	3/4	2,422.51	3/4	2,080.75				
11	11	11	4,396.56	11	4,097.39	11	3,778.98	11	3,440.69	11	3,098.92	11	2,757.16	11	2,415.39	11	2,073.63				
1/4	1/4	1/4	4,389.46	1/4	4,090.98	1/4	3,772.13	1/4	3,433.57	1/4	3,091.80	1/4	2,750.04	1/4	2,408.27	1/4	2,066.51				
1/2	1/2	1/2	4,383.19	1/2	4,084.55	1/2	3,765.24	1/2	3,426.45	1/2	3,084.68	1/2	2,742.92	1/2	2,401.15	1/2	2,059.39				
3/4	3/4	3/4	4,376.93	3/4	4,078.11	3/4	3,758.36	3/4	3,419.33	3/4	3,077.56	3/4	2,735.80	3/4	2,394.03	3/4	2,052.27				

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'-06" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29060"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,045.15	0	1,703.38	0	1,361.62	0	1,019.85	0	679.90	0	365.20	0	82.88	0		0		0	
1/4	2,038.03	1/4	1,696.26	1/4	1,354.50	1/4	1,012.73	1/4	672.99	1/4	358.97	1/4	77.32	1/4	1/4	1/4		1/4	
1/2	2,030.91	1/2	1,689.14	1/2	1,347.38	1/2	1,005.61	1/2	666.14	1/2	352.79	1/2	71.82	1/2	1/2	1/2		1/2	
3/4	2,023.79	3/4	1,682.02	3/4	1,340.26	3/4	998.49	3/4	659.29	3/4	346.62	3/4	66.31	3/4	3/4	3/4		3/4	
1	2,016.67	1	1,674.90	1	1,333.14	1	991.37	1	652.43	1	340.44	1	60.81	1	1	1		1	
1/4	2,009.55	1/4	1,667.78	1/4	1,326.02	1/4	984.25	1/4	645.58	1/4	334.27	1/4	55.31	1/4	1/4	1/4		1/4	
1/2	2,002.43	1/2	1,660.66	1/2	1,318.90	1/2	977.13	1/2	638.78	1/2	328.15	1/2	49.86	1/2	1/2	1/2		1/2	
3/4	1,995.31	3/4	1,653.54	3/4	1,311.78	3/4	970.01	3/4	631.99	3/4	322.03	3/4	44.41	3/4	3/4	3/4		3/4	
2	1,988.19	2	1,646.42	2	1,304.66	2	962.89	2	625.19	2	315.91	2	38.97	2	2	2		2	
1/4	1,981.07	1/4	1,639.30	1/4	1,297.54	1/4	955.77	1/4	618.39	1/4	309.79	1/4	33.52	1/4	1/4	1/4		1/4	
1/2	1,973.95	1/2	1,632.18	1/2	1,290.42	1/2	948.65	1/2	611.65	1/2	303.73	1/2	28.80	1/2	1/2	1/2		1/2	
3/4	1,966.82	3/4	1,625.06	3/4	1,283.30	3/4	941.53	3/4	604.91	3/4	297.67	3/4	24.07	3/4	3/4	3/4		3/4	
3	1,959.70	3	1,617.94	3	1,276.18	3	934.41	3	598.17	3	291.61	3	19.35	3	3	3		3	
1/4	1,952.58	1/4	1,610.82	1/4	1,269.06	1/4	927.29	1/4	591.43	1/4	285.55	1/4	14.63	1/4	1/4	1/4		1/4	
1/2	1,945.46	1/2	1,603.70	1/2	1,261.94	1/2	920.17	1/2	584.75	1/2	279.54	1/2	11.52	1/2	1/2	1/2		1/2	
3/4	1,938.34	3/4	1,596.58	3/4	1,254.81	3/4	913.05	3/4	578.06	3/4	273.53	3/4	8.41	3/4	3/4	3/4		3/4	
4	1,931.22	4	1,589.46	4	1,247.69	4	905.93	4	571.38	4	267.52	4	5.30	4	4	4		4	
1/4	1,924.10	1/4	1,582.34	1/4	1,240.57	1/4	898.81	1/4	564.69	1/4	261.51	1/4	2.19	1/4	1/4	1/4		1/4	
1/2	1,916.98	1/2	1,575.22	1/2	1,233.45	1/2	891.69	1/2	558.07	1/2	255.56	1/2		1/2	1/2	1/2		1/2	
3/4	1,909.86	3/4	1,568.10	3/4	1,226.33	3/4	884.57	3/4	551.44	3/4	249.61	3/4		3/4	3/4	3/4		3/4	
5	1,902.74	5	1,560.98	5	1,219.21	5	877.45	5	544.81	5	243.65	5		5	5	5		5	
1/4	1,895.62	1/4	1,553.86	1/4	1,212.09	1/4	870.33	1/4	538.18	1/4	237.70	1/4		1/4	1/4	1/4		1/4	
1/2	1,888.50	1/2	1,546.74	1/2	1,204.97	1/2	863.21	1/2	531.61	1/2	231.80	1/2		1/2	1/2	1/2		1/2	
3/4	1,881.38	3/4	1,539.62	3/4	1,197.85	3/4	856.09	3/4	525.04	3/4	225.91	3/4		3/4	3/4	3/4		3/4	
6	1,874.26	6	1,532.50	6	1,190.73	6	848.97	6	518.47	6	220.01	6		6	6	6		6	
1/4	1,867.14	1/4	1,525.38	1/4	1,183.61	1/4	841.85	1/4	511.90	1/4	214.11	1/4		1/4	1/4	1/4		1/4	
1/2	1,860.02	1/2	1,518.26	1/2	1,176.49	1/2	834.73	1/2	505.38	1/2	208.27	1/2		1/2	1/2	1/2		1/2	
3/4	1,852.90	3/4	1,511.14	3/4	1,169.37	3/4	827.61	3/4	498.87	3/4	202.43	3/4		3/4	3/4	3/4		3/4	
7	1,845.78	7	1,504.02	7	1,162.25	7	820.49	7	492.35	7	196.59	7		7	7	7		7	
1/4	1,838.66	1/4	1,496.90	1/4	1,155.13	1/4	813.37	1/4	485.83	1/4	190.75	1/4		1/4	1/4	1/4		1/4	
1/2	1,831.54	1/2	1,489.78	1/2	1,148.01	1/2	806.25	1/2	479.38	1/2	184.97	1/2		1/2	1/2	1/2		1/2	
3/4	1,824.42	3/4	1,482.66	3/4	1,140.89	3/4	799.13	3/4	472.92	3/4	179.18	3/4		3/4	3/4	3/4		3/4	
8	1,817.30	8	1,475.54	8	1,133.77	8	792.01	8	466.46	8	173.40	8		8	8	8		8	
1/4	1,810.18	1/4	1,468.42	1/4	1,126.65	1/4	784.89	1/4	460.01	1/4	167.62	1/4		1/4	1/4	1/4		1/4	
1/2	1,803.06	1/2	1,461.30	1/2	1,119.53	1/2	777.81	1/2	453.61	1/2	161.89	1/2		1/2	1/2	1/2		1/2	
3/4	1,795.94	3/4	1,454.18	3/4	1,112.41	3/4	770.73	3/4	447.21	3/4	156.16	3/4		3/4	3/4	3/4		3/4	
9	1,788.82	9	1,447.06	9	1,105.29	9	763.65	9	440.81	9	150.43	9		9	9	9		9	
1/4	1,781.70	1/4	1,439.94	1/4	1,098.17	1/4	756.58	1/4	434.41	1/4	144.70	1/4		1/4	1/4	1/4		1/4	
1/2	1,774.58	1/2	1,432.82	1/2	1,091.05	1/2	749.56	1/2	428.07	1/2	139.03	1/2		1/2	1/2	1/2		1/2	
3/4	1,767.46	3/4	1,425.70	3/4	1,083.93	3/4	742.53	3/4	421.72	3/4	133.36	3/4		3/4	3/4	3/4		3/4	
10	1,760.34	10	1,418.58	10	1,076.81	10	735.51	10	415.38	10	127.69	10		10	10	10		10	
1/4	1,753.22	1/4	1,411.46	1/4	1,069.69	1/4	728.49	1/4	409.04	1/4	122.02	1/4		1/4	1/4	1/4		1/4	
1/2	1,746.10	1/2	1,404.34	1/2	1,062.57	1/2	721.52	1/2	402.75	1/2	116.40	1/2		1/2	1/2	1/2		1/2	
3/4	1,738.98	3/4	1,397.22	3/4	1,055.45	3/4	714.56	3/4	396.46	3/4	110.79	3/4		3/4	3/4	3/4		3/4	
11	1,731.86	11	1,390.10	11	1,048.33	11	707.59	11	390.18	11	105.17	11		11	11	11		11	
1/4	1,724.74	1/4	1,382.98	1/4	1,041.21	1/4	700.63	1/4	383.89	1/4	99.56	1/4		1/4	1/4	1/4		1/4	
1/2	1,717.62	1/2	1,375.86	1/2	1,034.09	1/2	693.72	1/2	377.66	1/2	94.00	1/2		1/2	1/2	1/2		1/2	
3/4	1,710.50	3/4	1,368.74	3/4	1,026.97	3/4	686.81	3/4	371.43	3/4	88.44	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/24/2016 SW
CALCULATED: 08/25/2016 CL
PRINTED: 08/26/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29060"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	5,104.22	0	4,765.18	0	4,401.22	0	4,015.70	0	3,627.36	0	3,239.02	0	2,850.68		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,097.19	1/4	4,757.86	1/4	4,393.40	1/4	4,007.61	1/4	3,619.27	1/4	3,230.93	1/4	2,842.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,090.42	1/2	4,750.49	1/2	4,385.53	1/2	3,999.52	1/2	3,611.18	1/2	3,222.84	1/2	2,834.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,083.66	3/4	4,743.13	3/4	4,377.67	3/4	3,991.42	3/4	3,603.09	3/4	3,214.75	3/4	2,826.41		
1		1		1		1	5,076.90	1	4,735.77	1	4,369.80	1	3,983.33	1	3,595.00	1	3,206.66	1	2,818.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,070.14	1/4	4,728.41	1/4	4,361.93	1/4	3,975.24	1/4	3,586.90	1/4	3,198.57	1/4	2,810.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,063.34	1/2	4,721.01	1/2	4,354.02	1/2	3,967.15	1/2	3,578.81	1/2	3,190.48	1/2	2,802.14		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,056.54	3/4	4,713.61	3/4	4,346.12	3/4	3,959.06	3/4	3,570.72	3/4	3,182.38	3/4	2,794.05		
2		2		2		2	5,049.74	2	4,706.20	2	4,338.21	2	3,950.97	2	3,562.63	2	3,174.29	2	2,785.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,042.93	1/4	4,698.80	1/4	4,330.30	1/4	3,942.88	1/4	3,554.54	1/4	3,166.20	1/4	2,777.86		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,036.02	1/2	4,691.35	1/2	4,322.33	1/2	3,934.79	1/2	3,546.45	1/2	3,158.11	1/2	2,769.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,029.10	3/4	4,683.91	3/4	4,314.36	3/4	3,926.70	3/4	3,538.36	3/4	3,150.02	3/4	2,761.68		
3		3		3		3	5,022.19	3	4,676.46	3	4,306.39	3	3,918.61	3	3,530.27	3	3,141.93	3	2,753.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,015.27	1/4	4,669.02	1/4	4,298.42	1/4	3,910.52	1/4	3,522.18	1/4	3,133.84	1/4	2,745.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,008.29	1/2	4,661.53	1/2	4,290.41	1/2	3,902.43	1/2	3,514.09	1/2	3,125.75	1/2	2,737.41		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,001.31	3/4	4,654.04	3/4	4,282.39	3/4	3,894.34	3/4	3,506.00	3/4	3,117.66	3/4	2,729.32		
4		4		4		4	4,994.32	4	4,646.56	4	4,274.37	4	3,886.25	4	3,497.91	4	3,109.57	4	2,721.23		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,987.34	1/4	4,639.07	1/4	4,266.36	1/4	3,878.16	1/4	3,489.82	1/4	3,101.48	1/4	2,713.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,980.32	1/2	4,631.54	1/2	4,258.30	1/2	3,870.07	1/2	3,481.73	1/2	3,093.39	1/2	2,705.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,973.29	3/4	4,624.01	3/4	4,250.24	3/4	3,861.98	3/4	3,473.64	3/4	3,085.30	3/4	2,696.96		
5		5		5		5	4,966.27	5	4,616.48	5	4,242.18	5	3,853.89	5	3,465.55	5	3,077.21	5	2,688.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,959.25	1/4	4,608.95	1/4	4,234.12	1/4	3,845.80	1/4	3,457.46	1/4	3,069.12	1/4	2,680.78		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,952.18	1/2	4,601.38	1/2	4,226.03	1/2	3,837.71	1/2	3,449.37	1/2	3,061.03	1/2	2,672.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,945.11	3/4	4,593.81	3/4	4,217.95	3/4	3,829.62	3/4	3,441.28	3/4	3,052.94	3/4	2,664.60		
6		6	5,281.83	6	4,938.05	6	4,586.23	6	4,209.86	6	3,821.53	6	3,433.19	6	3,044.85	6	2,656.51				
1/4	1/4	1/4	5,277.10	1/4	4,930.98	1/4	4,578.66	1/4	4,201.78	1/4	3,813.44	1/4	3,425.10	1/4	3,036.76	1/4	2,648.42				
1/2	1/2	1/2	5,270.74	1/2	4,923.87	1/2	4,571.05	1/2	4,193.68	1/2	3,805.35	1/2	3,417.01	1/2	3,028.67	1/2	2,640.33				
3/4	3/4	3/4	5,264.39	3/4	4,916.77	3/4	4,563.43	3/4	4,185.59	3/4	3,797.26	3/4	3,408.92	3/4	3,020.58	3/4	2,632.24				
7		7	5,258.03	7	4,909.66	7	4,555.82	7	4,177.50	7	3,789.16	7	3,400.83	7	3,012.49	7	2,624.15				
1/4	1/4	1/4	5,251.68	1/4	4,902.55	1/4	4,548.21	1/4	4,169.41	1/4	3,781.07	1/4	3,392.74	1/4	3,004.40	1/4	2,616.06				
1/2	1/2	1/2	5,244.01	1/2	4,895.40	1/2	4,540.55	1/2	4,161.32	1/2	3,772.98	1/2	3,384.64	1/2	2,996.31	1/2	2,607.97				
3/4	3/4	3/4	5,236.34	3/4	4,888.25	3/4	4,532.89	3/4	4,153.23	3/4	3,764.89	3/4	3,376.55	3/4	2,988.22	3/4	2,599.88				
8		8	5,228.68	8	4,881.10	8	4,525.24	8	4,145.14	8	3,756.80	8	3,368.46	8	2,980.12	8	2,591.79				
1/4	1/4	1/4	5,221.01	1/4	4,873.95	1/4	4,517.58	1/4	4,137.05	1/4	3,748.71	1/4	3,360.37	1/4	2,972.03	1/4	2,583.70				
1/2	1/2	1/2	5,213.03	1/2	4,866.76	1/2	4,509.88	1/2	4,128.96	1/2	3,740.62	1/2	3,352.28	1/2	2,963.94	1/2	2,575.60				
3/4	3/4	3/4	5,205.06	3/4	4,859.56	3/4	4,502.19	3/4	4,120.87	3/4	3,732.53	3/4	3,344.19	3/4	2,955.85	3/4	2,567.51				
9		9	5,197.09	9	4,852.37	9	4,494.49	9	4,112.78	9	3,724.44	9	3,336.10	9	2,947.76	9	2,559.42				
1/4	1/4	1/4	5,189.12	1/4	4,845.18	1/4	4,486.79	1/4	4,104.69	1/4	3,716.35	1/4	3,328.01	1/4	2,939.67	1/4	2,551.33				
1/2	1/2	1/2	5,181.15	1/2	4,837.94	1/2	4,479.05	1/2	4,096.60	1/2	3,708.26	1/2	3,319.92	1/2	2,931.58	1/2	2,543.23				
3/4	3/4	3/4	5,173.18	3/4	4,830.71	3/4	4,471.31	3/4	4,088.51	3/4	3,700.17	3/4	3,311.83	3/4	2,923.49	3/4	2,535.14				
10		10	5,165.20	10	4,823.47	10	4,463.57	10	4,080.42	10	3,692.08	10	3,303.74	10	2,915.40	10	2,527.04				
1/4	1/4	1/4	5,157.23	1/4	4,816.24	1/4	4,455.83	1/4	4,072.33	1/4	3,683.99	1/4	3,295.65	1/4	2,907.31	1/4	2,518.95				
1/2	1/2	1/2	5,149.26	1/2	4,808.96	1/2	4,448.05	1/2	4,064.24	1/2	3,675.90	1/2	3,287.56	1/2	2,899.22	1/2	2,510.85				
3/4	3/4	3/4	5,141.29	3/4	4,801.69	3/4	4,440.26	3/4	4,056.15	3/4	3,667.81	3/4	3,279.47	3/4	2,891.13	3/4	2,502.76				
11		11	5,133.32	11	4,794.41	11	4,432.48	11	4,048.06	11	3,659.72	11	3,271.38	11	2,883.04	11	2,494.66				
1/4	1/4	1/4	5,125.34	1/4	4,787.13	1/4	4,424.70	1/4	4,039.97	1/4	3,651.63	1/4	3,263.29	1/4	2,874.95	1/4	2,486.57				
1/2	1/2	1/2	5,118.30	1/2	4,779.81	1/2	4,416.87	1/2	4,031.88	1/2	3,643.54	1/2	3,255.20	1/2	2,866.86	1/2	2,478.47				
3/4	3/4	3/4	5,111.26	3/4	4,772.49	3/4	4,409.05	3/4	4,023.79	3/4	3,635.45	3/4	3,247.11	3/4	2,858.77	3/4	2,470.38				

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'-06" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29060"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,462.28	0	2,073.73	0	1,685.18	0	1,296.63	0	908.78	0	534.51	0	146.08	0		0		0	
1/4	2,454.19	1/4	2,065.64	1/4	1,677.09	1/4	1,288.54	1/4	900.92	1/4	526.49	1/4	137.99	1/4	1/4		1/4		1/4
1/2	2,446.09	1/2	2,057.54	1/2	1,668.99	1/2	1,280.44	1/2	893.14	1/2	518.40	1/2	129.89	1/2	1/2		1/2		1/2
3/4	2,438.00	3/4	2,049.45	3/4	1,660.90	3/4	1,272.35	3/4	885.36	3/4	510.31	3/4	121.80	3/4	3/4		3/4		3/4
1	2,429.90	1	2,041.35	1	1,652.80	1	1,264.25	1	877.58	1	502.22	1	113.70	1	1		1		1
1/4	2,421.81	1/4	2,033.26	1/4	1,644.71	1/4	1,256.16	1/4	869.79	1/4	494.13	1/4	105.61	1/4	1/4		1/4		1/4
1/2	2,413.71	1/2	2,025.16	1/2	1,636.61	1/2	1,248.06	1/2	862.01	1/2	486.03	1/2	97.51	1/2	1/2		1/2		1/2
3/4	2,405.62	3/4	2,017.07	3/4	1,628.52	3/4	1,239.97	3/4	854.23	3/4	477.94	3/4	89.42	3/4	3/4		3/4		3/4
2	2,397.52	2	2,008.97	2	1,620.42	2	1,231.87	2	846.45	2	469.85	2	81.32	2	2		2		2
1/4	2,389.43	1/4	2,000.88	1/4	1,612.33	1/4	1,223.78	1/4	838.66	1/4	461.76	1/4	73.23	1/4	1/4		1/4		1/4
1/2	2,381.33	1/2	1,992.78	1/2	1,604.23	1/2	1,215.68	1/2	830.88	1/2	453.67	1/2	65.89	1/2	1/2		1/2		1/2
3/4	2,373.24	3/4	1,984.69	3/4	1,596.14	3/4	1,207.59	3/4	823.10	3/4	445.58	3/4	58.56	3/4	3/4		3/4		3/4
3	2,365.15	3	1,976.59	3	1,588.04	3	1,199.49	3	815.32	3	437.49	3	51.22	3	3		3		3
1/4	2,357.05	1/4	1,968.50	1/4	1,579.95	1/4	1,191.40	1/4	807.53	1/4	429.40	1/4	43.89	1/4	1/4		1/4		1/4
1/2	2,348.96	1/2	1,960.41	1/2	1,571.85	1/2	1,183.30	1/2	799.75	1/2	421.30	1/2	38.32	1/2	1/2		1/2		1/2
3/4	2,340.86	3/4	1,952.31	3/4	1,563.76	3/4	1,175.21	3/4	791.97	3/4	413.21	3/4	32.75	3/4	3/4		3/4		3/4
4	2,332.77	4	1,944.22	4	1,555.67	4	1,167.11	4	784.19	4	405.11	4	27.19	4	4		4		4
1/4	2,324.67	1/4	1,936.12	1/4	1,547.57	1/4	1,159.02	1/4	776.40	1/4	397.02	1/4	21.62	1/4	1/4		1/4		1/4
1/2	2,316.58	1/2	1,928.03	1/2	1,539.48	1/2	1,150.93	1/2	768.62	1/2	388.93	1/2		1/2	1/2		1/2		1/2
3/4	2,308.48	3/4	1,919.93	3/4	1,531.38	3/4	1,142.83	3/4	760.84	3/4	380.83	3/4		3/4	3/4		3/4		3/4
5	2,300.39	5	1,911.84	5	1,523.29	5	1,134.74	5	753.06	5	372.74	5		5	5		5		5
1/4	2,292.29	1/4	1,903.74	1/4	1,515.19	1/4	1,126.64	1/4	745.27	1/4	364.64	1/4		1/4	1/4		1/4		1/4
1/2	2,284.20	1/2	1,895.65	1/2	1,507.10	1/2	1,118.55	1/2	737.49	1/2	356.55	1/2		1/2	1/2		1/2		1/2
3/4	2,276.10	3/4	1,887.55	3/4	1,499.00	3/4	1,110.45	3/4	729.71	3/4	348.45	3/4		3/4	3/4		3/4		3/4
6	2,268.01	6	1,879.46	6	1,490.91	6	1,102.36	6	721.93	6	340.36	6		6	6		6		6
1/4	2,259.91	1/4	1,871.36	1/4	1,482.81	1/4	1,094.26	1/4	714.14	1/4	332.26	1/4		1/4	1/4		1/4		1/4
1/2	2,251.82	1/2	1,863.27	1/2	1,474.72	1/2	1,086.17	1/2	706.36	1/2	324.17	1/2		1/2	1/2		1/2		1/2
3/4	2,243.72	3/4	1,855.17	3/4	1,466.62	3/4	1,078.07	3/4	698.58	3/4	316.07	3/4		3/4	3/4		3/4		3/4
7	2,235.63	7	1,847.08	7	1,458.53	7	1,069.98	7	690.80	7	307.98	7		7	7		7		7
1/4	2,227.53	1/4	1,838.98	1/4	1,450.43	1/4	1,061.88	1/4	683.01	1/4	299.88	1/4		1/4	1/4		1/4		1/4
1/2	2,219.44	1/2	1,830.89	1/2	1,442.34	1/2	1,053.79	1/2	675.23	1/2	291.79	1/2		1/2	1/2		1/2		1/2
3/4	2,211.34	3/4	1,822.79	3/4	1,434.24	3/4	1,045.69	3/4	667.45	3/4	283.69	3/4		3/4	3/4		3/4		3/4
8	2,203.25	8	1,814.70	8	1,426.15	8	1,037.60	8	659.67	8	275.60	8		8	8		8		8
1/4	2,195.15	1/4	1,806.60	1/4	1,418.05	1/4	1,029.50	1/4	651.89	1/4	267.50	1/4		1/4	1/4		1/4		1/4
1/2	2,187.06	1/2	1,798.51	1/2	1,409.96	1/2	1,021.41	1/2	644.11	1/2	259.41	1/2		1/2	1/2		1/2		1/2
3/4	2,178.96	3/4	1,790.41	3/4	1,401.86	3/4	1,013.31	3/4	636.34	3/4	251.32	3/4		3/4	3/4		3/4		3/4
9	2,170.87	9	1,782.32	9	1,393.77	9	1,005.22	9	628.56	9	243.22	9		9	9		9		9
1/4	2,162.78	1/4	1,774.22	1/4	1,385.67	1/4	997.12	1/4	620.78	1/4	235.13	1/4		1/4	1/4		1/4		1/4
1/2	2,154.68	1/2	1,766.13	1/2	1,377.58	1/2	989.03	1/2	613.00	1/2	227.03	1/2		1/2	1/2		1/2		1/2
3/4	2,146.59	3/4	1,758.04	3/4	1,369.48	3/4	980.93	3/4	605.22	3/4	218.94	3/4		3/4	3/4		3/4		3/4
10	2,138.49	10	1,749.94	10	1,361.39	10	972.84	10	597.44	10	210.84	10		10	10		10		10
1/4	2,130.40	1/4	1,741.85	1/4	1,353.30	1/4	964.74	1/4	589.66	1/4	202.75	1/4		1/4	1/4		1/4		1/4
1/2	2,122.30	1/2	1,733.75	1/2	1,345.20	1/2	956.65	1/2	581.88	1/2	194.65	1/2		1/2	1/2		1/2		1/2
3/4	2,114.21	3/4	1,725.66	3/4	1,337.11	3/4	948.56	3/4	574.10	3/4	186.56	3/4		3/4	3/4		3/4		3/4
11	2,106.11	11	1,717.56	11	1,329.01	11	940.46	11	566.32	11	178.46	11		11	11		11		11
1/4	2,098.02	1/4	1,709.47	1/4	1,320.92	1/4	932.37	1/4	558.54	1/4	170.37	1/4		1/4	1/4		1/4		1/4
1/2	2,089.92	1/2	1,701.37	1/2	1,312.82	1/2	924.50	1/2	550.53	1/2	162.27	1/2		1/2	1/2		1/2		1/2
3/4	2,081.83	3/4	1,693.28	3/4	1,304.73	3/4	916.64	3/4	542.52	3/4	154.18	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/24/2016 SW
CALCULATED: 08/25/2016 CL
PRINTED: 08/26/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2016

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



BARGE "KIRBY 29060"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	5,122.81	0	4,785.10	0	4,422.94	0	4,038.74	0	3,651.18	0	3,263.62	0	2,876.06		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,115.79	1/4	4,777.80	1/4	4,415.14	1/4	4,030.67	1/4	3,643.11	1/4	3,255.54	1/4	2,867.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,108.77	1/2	4,770.50	1/2	4,407.33	1/2	4,022.59	1/2	3,635.03	1/2	3,247.47	1/2	2,859.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,101.74	3/4	4,763.19	3/4	4,399.52	3/4	4,014.52	3/4	3,626.96	3/4	3,239.40	3/4	2,851.83		
1		1		1		1	5,095.00	1	4,755.85	1	4,391.67	1	4,006.45	1	3,618.88	1	3,231.32	1	2,843.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,088.25	1/4	4,748.50	1/4	4,383.82	1/4	3,998.37	1/4	3,610.81	1/4	3,223.25	1/4	2,835.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,081.51	1/2	4,741.16	1/2	4,375.97	1/2	3,990.30	1/2	3,602.74	1/2	3,215.17	1/2	2,827.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,074.77	3/4	4,733.82	3/4	4,368.12	3/4	3,982.22	3/4	3,594.66	3/4	3,207.10	3/4	2,819.54		
2		2		2		2	5,067.98	2	4,726.43	2	4,360.22	2	3,974.15	2	3,586.59	2	3,199.03	2	2,811.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,061.19	1/4	4,719.04	1/4	4,352.33	1/4	3,966.07	1/4	3,578.51	1/4	3,190.95	1/4	2,803.39		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,054.41	1/2	4,711.65	1/2	4,344.44	1/2	3,958.00	1/2	3,570.44	1/2	3,182.88	1/2	2,795.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,047.62	3/4	4,704.27	3/4	4,336.55	3/4	3,949.93	3/4	3,562.36	3/4	3,174.80	3/4	2,787.24		
3		3		3		3	5,040.72	3	4,696.84	3	4,328.59	3	3,941.85	3	3,554.29	3	3,166.73	3	2,779.17		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,033.82	1/4	4,689.41	1/4	4,320.64	1/4	3,933.78	1/4	3,546.22	1/4	3,158.65	1/4	2,771.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,026.92	1/2	4,681.98	1/2	4,312.69	1/2	3,925.70	1/2	3,538.14	1/2	3,150.58	1/2	2,763.02		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,020.02	3/4	4,674.55	3/4	4,304.74	3/4	3,917.63	3/4	3,530.07	3/4	3,142.51	3/4	2,754.94		
4		4		4		4	5,013.06	4	4,667.08	4	4,296.74	4	3,909.55	4	3,521.99	4	3,134.43	4	2,746.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,006.09	1/4	4,659.61	1/4	4,288.74	1/4	3,901.48	1/4	3,513.92	1/4	3,126.36	1/4	2,738.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,999.13	1/2	4,652.14	1/2	4,280.74	1/2	3,893.41	1/2	3,505.84	1/2	3,118.28	1/2	2,730.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,992.16	3/4	4,644.67	3/4	4,272.74	3/4	3,885.33	3/4	3,497.77	3/4	3,110.21	3/4	2,722.65		
5		5		5		5	4,985.15	5	4,637.15	5	4,264.69	5	3,877.26	5	3,489.70	5	3,102.13	5	2,714.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,978.14	1/4	4,629.64	1/4	4,256.65	1/4	3,869.18	1/4	3,481.62	1/4	3,094.06	1/4	2,706.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,971.14	1/2	4,622.13	1/2	4,248.61	1/2	3,861.11	1/2	3,473.55	1/2	3,085.99	1/2	2,698.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,964.13	3/4	4,614.61	3/4	4,240.57	3/4	3,853.04	3/4	3,465.47	3/4	3,077.91	3/4	2,690.35		
6		6		6		6	4,957.08	6	4,607.06	6	4,232.50	6	3,844.96	6	3,457.40	6	3,069.84	6	2,682.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,950.03	1/4	4,599.50	1/4	4,224.43	1/4	3,836.89	1/4	3,449.33	1/4	3,061.76	1/4	2,674.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,286.00	1/2	4,942.98	1/2	4,591.95	1/2	4,216.37	1/2	3,828.81	1/2	3,441.25	1/2	3,053.69	1/2	2,666.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,281.28	3/4	4,935.93	3/4	4,584.39	3/4	4,208.30	3/4	3,820.74	3/4	3,433.18	3/4	3,045.62	3/4	2,658.05
7		7		7		7	5,274.94	7	4,928.84	7	4,576.79	7	4,200.23	7	3,812.66	7	3,425.10	7	3,037.54	7	2,649.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,268.60	1/4	4,921.75	1/4	4,569.20	1/4	4,192.15	1/4	3,804.59	1/4	3,417.03	1/4	3,029.47	1/4	2,641.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,262.25	1/2	4,914.65	1/2	4,561.60	1/2	4,184.08	1/2	3,796.52	1/2	3,408.95	1/2	3,021.39	1/2	2,633.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,255.91	3/4	4,907.56	3/4	4,554.00	3/4	4,176.00	3/4	3,788.44	3/4	3,400.88	3/4	3,013.32	3/4	2,625.76
8		8		8		8	5,248.26	8	4,900.43	8	4,546.36	8	4,167.93	8	3,780.37	8	3,392.81	8	3,005.24	8	2,617.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,240.61	1/4	4,893.29	1/4	4,538.72	1/4	4,159.86	1/4	3,772.29	1/4	3,384.73	1/4	2,997.17	1/4	2,609.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,232.96	1/2	4,886.16	1/2	4,531.08	1/2	4,151.78	1/2	3,764.22	1/2	3,376.66	1/2	2,989.10	1/2	2,601.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,225.30	3/4	4,879.03	3/4	4,523.44	3/4	4,143.71	3/4	3,756.15	3/4	3,368.58	3/4	2,981.02	3/4	2,593.46
9		9		9		9	5,217.35	9	4,871.85	9	4,515.76	9	4,135.63	9	3,748.07	9	3,360.51	9	2,972.95	9	2,585.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,209.39	1/4	4,864.67	1/4	4,508.08	1/4	4,127.56	1/4	3,740.00	1/4	3,352.44	1/4	2,964.87	1/4	2,577.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,201.44	1/2	4,857.50	1/2	4,500.40	1/2	4,119.48	1/2	3,731.92	1/2	3,344.36	1/2	2,956.80	1/2	2,569.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,193.48	3/4	4,850.32	3/4	4,492.71	3/4	4,111.41	3/4	3,723.85	3/4	3,336.29	3/4	2,948.73	3/4	2,561.15
10		10		10		10	5,185.53	10	4,843.10	10	4,484.99	10	4,103.34	10	3,715.77	10	3,328.21	10	2,940.65	10	2,553.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,177.57	1/4	4,835.88	1/4	4,477.27	1/4	4,095.26	1/4	3,707.70	1/4	3,320.14	1/4	2,932.58	1/4	2,544.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,169.61	1/2	4,828.67	1/2	4,469.54	1/2	4,087.19	1/2	3,699.63	1/2	3,312.06	1/2	2,924.50	1/2	2,536.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,161.66	3/4	4,821.45	3/4	4,461.82	3/4	4,079.11	3/4	3,691.55	3/4	3,303.99	3/4	2,916.43	3/4	2,528.84
11		11		11		11	5,153.70	11	4,814.19	11	4,454.05	11	4,071.04	11	3,683.48	11	3,295.92	11	2,908.35	11	2,520.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,145.75	1/4	4,806.93	1/4	4,446.29	1/4	4,062.96	1/4	3,675.40	1/4	3,287.84	1/4	2,900.28	1/4	2,512.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,137.79	1/2	4,799.67	1/2	4,438.52	1/2	4,054.89	1/2	3,667.33	1/2	3,279.77	1/2	2,892.21	1/2	2,504.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,129.84	3/4	4,792.41	3/4	4,430.75	3/4	4,046.82	3/4	3,659.25	3/4	3,271.69	3/4	2,884.13	3/4	2,496.52

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'-06" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29060"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,488.44		2,100.68		1,712.91		1,325.14		937.37		549.66		161.95						
1/4	2,480.37	1/4	2,092.60	1/4	1,704.83	1/4	1,317.06	1/4	929.29	1/4	541.58	1/4	153.87	1/4	1/4			1/4	1/4
1/2	2,472.29	1/2	2,084.52	1/2	1,696.75	1/2	1,308.98	1/2	921.22	1/2	533.51	1/2	145.79	1/2	1/2			1/2	1/2
3/4	2,464.21	3/4	2,076.44	3/4	1,688.67	3/4	1,300.90	3/4	913.14	3/4	525.43	3/4	137.71	3/4	3/4			3/4	3/4
1	2,456.13	1	2,068.36	1	1,680.59	1	1,292.83	1	905.06	1	517.36	1	129.63	1	1			1	1
1/4	2,448.05	1/4	2,060.28	1/4	1,672.52	1/4	1,284.75	1/4	896.98	1/4	509.28	1/4	121.55	1/4	1/4			1/4	1/4
1/2	2,439.97	1/2	2,052.21	1/2	1,664.44	1/2	1,276.67	1/2	888.90	1/2	501.21	1/2	113.48	1/2	1/2			1/2	1/2
3/4	2,431.89	3/4	2,044.13	3/4	1,656.36	3/4	1,268.59	3/4	880.82	3/4	493.13	3/4	105.40	3/4	3/4			3/4	3/4
2	2,423.82	2	2,036.05	2	1,648.28	2	1,260.51	2	872.74	2	485.06	2	97.32	2	2			2	2
1/4	2,415.74	1/4	2,027.97	1/4	1,640.20	1/4	1,252.43	1/4	864.67	1/4	476.98	1/4	89.24	1/4	1/4			1/4	1/4
1/2	2,407.66	1/2	2,019.89	1/2	1,632.12	1/2	1,244.36	1/2	856.59	1/2	468.91	1/2	81.16	1/2	1/2			1/2	1/2
3/4	2,399.58	3/4	2,011.81	3/4	1,624.04	3/4	1,236.28	3/4	848.51	3/4	460.83	3/4	73.08	3/4	3/4			3/4	3/4
3	2,391.50	3	2,003.73	3	1,615.97	3	1,228.20	3	840.43	3	452.76	3	65.76	3	3			3	3
1/4	2,383.42	1/4	1,995.66	1/4	1,607.89	1/4	1,220.12	1/4	832.35	1/4	444.68	1/4	58.44	1/4	1/4			1/4	1/4
1/2	2,375.35	1/2	1,987.58	1/2	1,599.81	1/2	1,212.04	1/2	824.27	1/2	436.61	1/2	51.12	1/2	1/2			1/2	1/2
3/4	2,367.27	3/4	1,979.50	3/4	1,591.73	3/4	1,203.96	3/4	816.19	3/4	428.53	3/4	43.80	3/4	3/4			3/4	3/4
4	2,359.19	4	1,971.42	4	1,583.65	4	1,195.88	4	808.12	4	420.46	4	38.24	4	4			4	4
1/4	2,351.11	1/4	1,963.34	1/4	1,575.57	1/4	1,187.81	1/4	800.04	1/4	412.38	1/4	32.69	1/4	1/4			1/4	1/4
1/2	2,343.03	1/2	1,955.26	1/2	1,567.50	1/2	1,179.73	1/2	791.96	1/2	404.30	1/2	27.14	1/2	1/2			1/2	1/2
3/4	2,334.95	3/4	1,947.18	3/4	1,559.42	3/4	1,171.65	3/4	783.88	3/4	396.22	3/4	21.58	3/4	3/4			3/4	3/4
5	2,326.87	5	1,939.11	5	1,551.34	5	1,163.57	5	775.80	5	388.14	5		5	5			5	5
1/4	2,318.80	1/4	1,931.03	1/4	1,543.26	1/4	1,155.49	1/4	767.72	1/4	380.07	1/4		1/4	1/4			1/4	1/4
1/2	2,310.72	1/2	1,922.95	1/2	1,535.18	1/2	1,147.41	1/2	759.65	1/2	371.99	1/2		1/2	1/2			1/2	1/2
3/4	2,302.64	3/4	1,914.87	3/4	1,527.10	3/4	1,139.33	3/4	751.57	3/4	363.91	3/4		3/4	3/4			3/4	3/4
6	2,294.56	6	1,906.79	6	1,519.02	6	1,131.26	6	743.49	6	355.83	6		6	6			6	6
1/4	2,286.48	1/4	1,898.71	1/4	1,510.95	1/4	1,123.18	1/4	735.41	1/4	347.75	1/4		1/4	1/4			1/4	1/4
1/2	2,278.40	1/2	1,890.64	1/2	1,502.87	1/2	1,115.10	1/2	727.33	1/2	339.67	1/2		1/2	1/2			1/2	1/2
3/4	2,270.32	3/4	1,882.56	3/4	1,494.79	3/4	1,107.02	3/4	719.25	3/4	331.60	3/4		3/4	3/4			3/4	3/4
7	2,262.25	7	1,874.48	7	1,486.71	7	1,098.94	7	711.17	7	323.52	7		7	7			7	7
1/4	2,254.17	1/4	1,866.40	1/4	1,478.63	1/4	1,090.86	1/4	703.10	1/4	315.44	1/4		1/4	1/4			1/4	1/4
1/2	2,246.09	1/2	1,858.32	1/2	1,470.55	1/2	1,082.79	1/2	695.02	1/2	307.36	1/2		1/2	1/2			1/2	1/2
3/4	2,238.01	3/4	1,850.24	3/4	1,462.47	3/4	1,074.71	3/4	686.94	3/4	299.28	3/4		3/4	3/4			3/4	3/4
8	2,229.93	8	1,842.16	8	1,454.40	8	1,066.63	8	678.86	8	291.20	8		8	8			8	8
1/4	2,221.85	1/4	1,834.09	1/4	1,446.32	1/4	1,058.55	1/4	670.79	1/4	283.12	1/4		1/4	1/4			1/4	1/4
1/2	2,213.78	1/2	1,826.01	1/2	1,438.24	1/2	1,050.47	1/2	662.71	1/2	275.05	1/2		1/2	1/2			1/2	1/2
3/4	2,205.70	3/4	1,817.93	3/4	1,430.16	3/4	1,042.39	3/4	654.64	3/4	266.97	3/4		3/4	3/4			3/4	3/4
9	2,197.62	9	1,809.85	9	1,422.08	9	1,034.31	9	646.56	9	258.89	9		9	9			9	9
1/4	2,189.54	1/4	1,801.77	1/4	1,414.00	1/4	1,026.24	1/4	638.49	1/4	250.81	1/4		1/4	1/4			1/4	1/4
1/2	2,181.46	1/2	1,793.69	1/2	1,405.93	1/2	1,018.16	1/2	630.41	1/2	242.73	1/2		1/2	1/2			1/2	1/2
3/4	2,173.38	3/4	1,785.61	3/4	1,397.85	3/4	1,010.08	3/4	622.33	3/4	234.65	3/4		3/4	3/4			3/4	3/4
10	2,165.30	10	1,777.54	10	1,389.77	10	1,002.00	10	614.26	10	226.57	10		10	10			10	10
1/4	2,157.23	1/4	1,769.46	1/4	1,381.69	1/4	993.92	1/4	606.18	1/4	218.50	1/4		1/4	1/4			1/4	1/4
1/2	2,149.15	1/2	1,761.38	1/2	1,373.61	1/2	985.84	1/2	598.11	1/2	210.42	1/2		1/2	1/2			1/2	1/2
3/4	2,141.07	3/4	1,753.30	3/4	1,365.53	3/4	977.76	3/4	590.03	3/4	202.34	3/4		3/4	3/4			3/4	3/4
11	2,132.99	11	1,745.22	11	1,357.45	11	969.69	11	581.96	11	194.26	11		11	11			11	11
1/4	2,124.91	1/4	1,737.14	1/4	1,349.38	1/4	961.61	1/4	573.88	1/4	186.18	1/4		1/4	1/4			1/4	1/4
1/2	2,116.83	1/2	1,729.07	1/2	1,341.30	1/2	953.53	1/2	565.81	1/2	178.10	1/2		1/2	1/2			1/2	1/2
3/4	2,108.75	3/4	1,720.99	3/4	1,333.22	3/4	945.45	3/4	557.73	3/4	170.03	3/4		3/4	3/4			3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/24/2016 SW
CALCULATED: 08/25/2016 CL
PRINTED: 08/26/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2016

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



BARGE "KIRBY 29060"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 39'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29060"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,304.50	0	1,944.01	0	1,586.07	0	1,226.02	0	865.84	0	518.51	0	158.32	0		0		0	
1/4	2,296.99	1/4	1,936.52	1/4	1,578.60	1/4	1,218.51	1/4	858.54	1/4	511.07	1/4	150.80	1/4	1/4		1/4		1/4
1/2	2,289.49	1/2	1,929.03	1/2	1,571.13	1/2	1,211.01	1/2	851.24	1/2	503.63	1/2	143.29	1/2	1/2		1/2		1/2
3/4	2,281.98	3/4	1,921.54	3/4	1,563.66	3/4	1,203.51	3/4	843.94	3/4	496.19	3/4	135.77	3/4	3/4		3/4		3/4
1	2,274.48	1	1,914.05	1	1,556.19	1	1,196.00	1	836.64	1	488.76	1	128.26	1	1		1		1
1/4	2,266.97	1/4	1,906.59	1/4	1,548.69	1/4	1,188.50	1/4	829.41	1/4	481.25	1/4	120.74	1/4	1/4		1/4		1/4
1/2	2,259.46	1/2	1,899.13	1/2	1,541.20	1/2	1,180.99	1/2	822.17	1/2	473.74	1/2	113.21	1/2	1/2		1/2		1/2
3/4	2,251.96	3/4	1,891.67	3/4	1,533.70	3/4	1,173.49	3/4	814.94	3/4	466.23	3/4	105.69	3/4	3/4		3/4		3/4
2	2,244.45	2	1,884.21	2	1,526.20	2	1,165.98	2	807.71	2	458.73	2	98.17	2	2		2		2
1/4	2,236.94	1/4	1,876.76	1/4	1,518.70	1/4	1,158.48	1/4	800.48	1/4	451.22	1/4	90.65	1/4	1/4		1/4		1/4
1/2	2,229.43	1/2	1,869.30	1/2	1,511.19	1/2	1,150.97	1/2	793.25	1/2	443.71	1/2	83.13	1/2	1/2		1/2		1/2
3/4	2,221.92	3/4	1,861.85	3/4	1,503.69	3/4	1,143.47	3/4	786.02	3/4	436.20	3/4	75.60	3/4	3/4		3/4		3/4
3	2,214.41	3	1,854.40	3	1,496.18	3	1,135.96	3	778.79	3	428.69	3	68.08	3	3		3		3
1/4	2,206.90	1/4	1,846.94	1/4	1,488.68	1/4	1,128.46	1/4	771.55	1/4	421.19	1/4	61.26	1/4	1/4		1/4		1/4
1/2	2,199.39	1/2	1,839.49	1/2	1,481.18	1/2	1,120.96	1/2	764.32	1/2	413.68	1/2	54.44	1/2	1/2		1/2		1/2
3/4	2,191.88	3/4	1,832.04	3/4	1,473.67	3/4	1,113.45	3/4	757.09	3/4	406.17	3/4	47.63	3/4	3/4		3/4		3/4
4	2,184.37	4	1,824.58	4	1,466.17	4	1,105.95	4	749.86	4	398.66	4	40.81	4	4		4		4
1/4	2,176.86	1/4	1,817.13	1/4	1,458.66	1/4	1,098.45	1/4	742.63	1/4	391.15	1/4	35.64	1/4	1/4		1/4		1/4
1/2	2,169.34	1/2	1,809.68	1/2	1,451.16	1/2	1,090.95	1/2	735.40	1/2	383.64	1/2	30.46	1/2	1/2		1/2		1/2
3/4	2,161.83	3/4	1,802.22	3/4	1,443.65	3/4	1,083.44	3/4	728.17	3/4	376.13	3/4	25.29	3/4	3/4		3/4		3/4
5	2,154.32	5	1,794.77	5	1,436.15	5	1,075.94	5	720.93	5	368.62	5	20.12	5	5		5		5
1/4	2,146.81	1/4	1,787.32	1/4	1,428.64	1/4	1,068.44	1/4	713.70	1/4	361.11	1/4		1/4	1/4		1/4		1/4
1/2	2,139.30	1/2	1,779.86	1/2	1,421.14	1/2	1,060.94	1/2	706.47	1/2	353.60	1/2		1/2	1/2		1/2		1/2
3/4	2,131.79	3/4	1,772.41	3/4	1,413.63	3/4	1,053.43	3/4	699.24	3/4	346.09	3/4		3/4	3/4		3/4		3/4
6	2,124.28	6	1,764.95	6	1,406.13	6	1,045.93	6	692.01	6	338.58	6		6	6		6		6
1/4	2,116.77	1/4	1,757.50	1/4	1,398.63	1/4	1,038.43	1/4	684.78	1/4	331.07	1/4		1/4	1/4		1/4		1/4
1/2	2,109.26	1/2	1,750.05	1/2	1,391.12	1/2	1,030.93	1/2	677.55	1/2	323.56	1/2		1/2	1/2		1/2		1/2
3/4	2,101.74	3/4	1,742.59	3/4	1,383.62	3/4	1,023.42	3/4	670.32	3/4	316.05	3/4		3/4	3/4		3/4		3/4
7	2,094.23	7	1,735.14	7	1,376.11	7	1,015.92	7	663.08	7	308.53	7		7	7		7		7
1/4	2,086.72	1/4	1,727.69	1/4	1,368.61	1/4	1,008.42	1/4	655.85	1/4	301.02	1/4		1/4	1/4		1/4		1/4
1/2	2,079.21	1/2	1,720.23	1/2	1,361.10	1/2	1,000.92	1/2	648.62	1/2	293.51	1/2		1/2	1/2		1/2		1/2
3/4	2,071.70	3/4	1,712.78	3/4	1,353.60	3/4	993.41	3/4	641.39	3/4	286.00	3/4		3/4	3/4		3/4		3/4
8	2,064.19	8	1,705.33	8	1,346.09	8	985.91	8	634.16	8	278.49	8		8	8		8		8
1/4	2,056.68	1/4	1,697.87	1/4	1,338.59	1/4	978.41	1/4	626.93	1/4	270.98	1/4		1/4	1/4		1/4		1/4
1/2	2,049.17	1/2	1,690.42	1/2	1,331.08	1/2	970.90	1/2	619.70	1/2	263.47	1/2		1/2	1/2		1/2		1/2
3/4	2,041.66	3/4	1,682.97	3/4	1,323.58	3/4	963.40	3/4	612.47	3/4	255.96	3/4		3/4	3/4		3/4		3/4
9	2,034.14	9	1,675.51	9	1,316.07	9	955.90	9	605.24	9	248.45	9		9	9		9		9
1/4	2,026.63	1/4	1,668.06	1/4	1,308.57	1/4	948.40	1/4	598.01	1/4	240.94	1/4		1/4	1/4		1/4		1/4
1/2	2,019.12	1/2	1,660.61	1/2	1,301.07	1/2	940.89	1/2	590.79	1/2	233.43	1/2		1/2	1/2		1/2		1/2
3/4	2,011.61	3/4	1,653.15	3/4	1,293.56	3/4	933.39	3/4	583.56	3/4	225.91	3/4		3/4	3/4		3/4		3/4
10	2,004.10	10	1,645.70	10	1,286.06	10	925.89	10	576.33	10	218.40	10		10	10		10		10
1/4	1,996.59	1/4	1,638.25	1/4	1,278.55	1/4	918.39	1/4	569.10	1/4	210.89	1/4		1/4	1/4		1/4		1/4
1/2	1,989.08	1/2	1,630.79	1/2	1,271.05	1/2	910.88	1/2	561.87	1/2	203.38	1/2		1/2	1/2		1/2		1/2
3/4	1,981.57	3/4	1,623.34	3/4	1,263.54	3/4	903.38	3/4	554.65	3/4	195.87	3/4		3/4	3/4		3/4		3/4
11	1,974.06	11	1,615.88	11	1,256.04	11	895.88	11	547.42	11	188.36	11		11	11		11		11
1/4	1,966.55	1/4	1,608.43	1/4	1,248.53	1/4	888.37	1/4	540.19	1/4	180.85	1/4		1/4	1/4		1/4		1/4
1/2	1,959.03	1/2	1,600.98	1/2	1,241.03	1/2	880.86	1/2	532.96	1/2	173.34	1/2		1/2	1/2		1/2		1/2
3/4	1,951.52	3/4	1,593.52	3/4	1,233.52	3/4	873.35	3/4	525.73	3/4	165.83	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/24/2016 SW
CALCULATED: 08/25/2016 CL
PRINTED: 08/26/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
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<http://www.pmacorp.net>



BARGE "KIRBY 29060"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,529.67	0	4,273.01	0	3,997.77	0	3,705.78	0	3,400.33	0	3,039.94	0	2,679.00
1/4		1/4		1/4		1/4	4,524.33	1/4	4,267.46	1/4	3,991.84	1/4	3,699.64	1/4	3,392.83	1/4	3,032.42	1/4	2,671.48
1/2		1/2		1/2		1/2	4,518.99	1/2	4,261.91	1/2	3,985.90	1/2	3,693.51	1/2	3,385.32	1/2	3,024.90	1/2	2,663.96
3/4		3/4		3/4		3/4	4,513.65	3/4	4,256.36	3/4	3,979.97	3/4	3,687.37	3/4	3,377.82	3/4	3,017.38	3/4	2,656.44
1		1		1		1	4,508.53	1	4,250.77	1	3,974.00	1	3,681.23	1	3,370.32	1	3,009.86	1	2,648.92
1/4		1/4		1/4		1/4	4,503.40	1/4	4,245.19	1/4	3,968.04	1/4	3,675.10	1/4	3,362.81	1/4	3,002.34	1/4	2,641.40
1/2		1/2		1/2		1/2	4,498.28	1/2	4,239.61	1/2	3,962.07	1/2	3,668.96	1/2	3,355.31	1/2	2,994.82	1/2	2,633.88
3/4		3/4		3/4		3/4	4,493.15	3/4	4,234.03	3/4	3,956.11	3/4	3,662.83	3/4	3,347.80	3/4	2,987.30	3/4	2,626.36
2		2		2		2	4,487.99	2	4,228.41	2	3,950.11	2	3,656.69	2	3,340.30	2	2,979.78	2	2,618.84
1/4		1/4		1/4		1/4	4,482.84	1/4	4,222.80	1/4	3,944.11	1/4	3,650.55	1/4	3,332.79	1/4	2,972.26	1/4	2,611.33
1/2		1/2		1/2		1/2	4,477.68	1/2	4,217.19	1/2	3,938.11	1/2	3,644.42	1/2	3,325.29	1/2	2,964.74	1/2	2,603.81
3/4		3/4		3/4		3/4	4,472.52	3/4	4,211.57	3/4	3,932.11	3/4	3,638.28	3/4	3,317.78	3/4	2,957.22	3/4	2,596.29
3		3		3		3	4,467.28	3	4,205.93	3	3,926.07	3	3,632.14	3	3,310.28	3	2,949.70	3	2,588.77
1/4		1/4		1/4		1/4	4,462.03	1/4	4,200.28	1/4	3,920.03	1/4	3,626.01	1/4	3,302.77	1/4	2,942.18	1/4	2,581.25
1/2		1/2		1/2		1/2	4,456.79	1/2	4,194.63	1/2	3,913.98	1/2	3,619.87	1/2	3,295.27	1/2	2,934.66	1/2	2,573.73
3/4		3/4		3/4		3/4	4,451.55	3/4	4,188.99	3/4	3,907.94	3/4	3,613.74	3/4	3,287.77	3/4	2,927.14	3/4	2,566.21
4		4		4		4	4,446.25	4	4,183.31	4	3,901.86	4	3,607.60	4	3,280.26	4	2,919.62	4	2,558.69
1/4		1/4		1/4		1/4	4,440.96	1/4	4,177.63	1/4	3,895.78	1/4	3,601.46	1/4	3,272.76	1/4	2,912.11	1/4	2,551.17
1/2		1/2		1/2		1/2	4,435.66	1/2	4,171.95	1/2	3,889.70	1/2	3,595.33	1/2	3,265.25	1/2	2,904.59	1/2	2,543.65
3/4		3/4		3/4		3/4	4,430.37	3/4	4,166.28	3/4	3,883.62	3/4	3,589.19	3/4	3,257.75	3/4	2,897.07	3/4	2,536.13
5		5		5		5	4,425.04	5	4,160.57	5	3,877.51	5	3,583.05	5	3,250.24	5	2,889.55	5	2,528.61
1/4		1/4		1/4		1/4	4,419.72	1/4	4,154.86	1/4	3,871.39	1/4	3,576.92	1/4	3,242.74	1/4	2,882.03	1/4	2,521.09
1/2		1/2		1/2		1/2	4,414.39	1/2	4,149.15	1/2	3,865.28	1/2	3,570.78	1/2	3,235.23	1/2	2,874.51	1/2	2,513.57
3/4		3/4		3/4		3/4	4,409.07	3/4	4,143.44	3/4	3,859.17	3/4	3,564.65	3/4	3,227.73	3/4	2,866.99	3/4	2,506.05
6		6		6		6	4,403.71	6	4,137.69	6	3,853.04	6	3,558.51	6	3,220.23	6	2,859.47	6	2,498.53
1/4		1/4		1/4		1/4	4,398.35	1/4	4,131.95	1/4	3,846.91	1/4	3,552.37	1/4	3,212.72	1/4	2,851.95	1/4	2,491.01
1/2		1/2		1/2		1/2	4,651.81	1/2	4,392.99	1/2	4,126.21	1/2	3,840.77	1/2	3,546.24	1/2	3,205.22	1/2	2,844.43
3/4		3/4		3/4		3/4	4,648.77	3/4	4,387.63	3/4	4,120.47	3/4	3,834.64	3/4	3,540.10	3/4	3,197.71	3/4	2,836.91
7		7		7		7	4,644.23	7	4,382.24	7	4,114.69	7	3,828.51	7	3,533.97	7	3,190.21	7	2,829.39
1/4		1/4		1/4		1/4	4,639.69	1/4	4,376.85	1/4	4,108.92	1/4	3,822.37	1/4	3,527.83	1/4	3,182.70	1/4	2,821.87
1/2		1/2		1/2		1/2	4,635.15	1/2	4,371.46	1/2	4,103.15	1/2	3,816.23	1/2	3,521.70	1/2	3,175.20	1/2	2,814.35
3/4		3/4		3/4		3/4	4,630.61	3/4	4,366.07	3/4	4,097.37	3/4	3,810.10	3/4	3,515.57	3/4	3,167.69	3/4	2,806.83
8		8		8		8	4,624.85	8	4,360.65	8	4,091.57	8	3,803.96	8	3,509.43	8	3,160.19	8	2,799.31
1/4		1/4		1/4		1/4	4,619.08	1/4	4,355.23	1/4	4,085.76	1/4	3,797.82	1/4	3,503.30	1/4	3,152.68	1/4	2,791.79
1/2		1/2		1/2		1/2	4,613.32	1/2	4,349.81	1/2	4,079.95	1/2	3,791.69	1/2	3,497.17	1/2	3,145.18	1/2	2,784.27
3/4		3/4		3/4		3/4	4,607.56	3/4	4,344.39	3/4	4,074.15	3/4	3,785.55	3/4	3,491.03	3/4	3,137.68	3/4	2,776.75
9		9		9		9	4,601.51	9	4,338.93	9	4,068.31	9	3,779.42	9	3,484.90	9	3,130.16	9	2,769.23
1/4		1/4		1/4		1/4	4,595.47	1/4	4,333.48	1/4	4,062.47	1/4	3,773.28	1/4	3,478.77	1/4	3,122.64	1/4	2,761.72
1/2		1/2		1/2		1/2	4,589.42	1/2	4,328.03	1/2	4,056.63	1/2	3,767.14	1/2	3,472.63	1/2	3,115.13	1/2	2,754.20
3/4		3/4		3/4		3/4	4,583.37	3/4	4,322.57	3/4	4,050.80	3/4	3,761.01	3/4	3,466.50	3/4	3,107.61	3/4	2,746.68
10		10		10		10	4,577.33	10	4,317.09	10	4,044.93	10	3,754.87	10	3,459.34	10	3,100.09	10	2,739.16
1/4		1/4		1/4		1/4	4,571.28	1/4	4,311.60	1/4	4,039.06	1/4	3,748.73	1/4	3,452.18	1/4	3,092.57	1/4	2,731.64
1/2		1/2		1/2		1/2	4,565.24	1/2	4,306.11	1/2	4,033.19	1/2	3,742.60	1/2	3,445.02	1/2	3,085.05	1/2	2,724.12
3/4		3/4		3/4		3/4	4,559.19	3/4	4,300.63	3/4	4,027.32	3/4	3,736.46	3/4	3,437.86	3/4	3,077.53	3/4	2,716.60
11		11		11		11	4,553.14	11	4,295.11	11	4,021.41	11	3,730.33	11	3,430.35	11	3,070.01	11	2,709.08
1/4		1/4		1/4		1/4	4,547.10	1/4	4,289.59	1/4	4,015.51	1/4	3,724.19	1/4	3,422.85	1/4	3,062.50	1/4	2,701.56
1/2		1/2		1/2		1/2	4,541.05	1/2	4,284.07	1/2	4,009.61	1/2	3,718.05	1/2	3,415.34	1/2	3,054.98	1/2	2,694.04
3/4		3/4		3/4		3/4	4,535.01	3/4	4,278.56	3/4	4,003.71	3/4	3,711.92	3/4	3,407.84	3/4	3,047.46	3/4	2,686.52

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'-06" OFF CENTERLINE AND 39'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29060"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,318.02		1,956.76		1,595.49		1,234.53		873.33		512.12		150.90						
1/4	2,310.50	1/4	1,949.23	1/4	1,587.97	1/4	1,227.01	1/4	865.81	1/4	504.59	1/4	143.38	1/4		1/4		1/4	
1/2	2,302.97	1/2	1,941.70	1/2	1,580.45	1/2	1,219.49	1/2	858.28	1/2	497.07	1/2	135.85	1/2		1/2		1/2	
3/4	2,295.45	3/4	1,934.18	3/4	1,572.93	3/4	1,211.97	3/4	850.75	3/4	489.55	3/4	128.32	3/4		3/4		3/4	
1	2,287.92	1	1,926.65	1	1,565.41	1	1,204.45	1	843.23	1	482.03	1	120.80	1		1		1	
1/4	2,280.39	1/4	1,919.12	1/4	1,557.89	1/4	1,196.93	1/4	835.70	1/4	474.50	1/4	113.27	1/4		1/4		1/4	
1/2	2,272.87	1/2	1,911.60	1/2	1,550.37	1/2	1,189.41	1/2	828.18	1/2	466.98	1/2	105.74	1/2		1/2		1/2	
3/4	2,265.34	3/4	1,904.07	3/4	1,542.85	3/4	1,181.89	3/4	820.65	3/4	459.46	3/4	98.22	3/4		3/4		3/4	
2	2,257.82	2	1,896.54	2	1,535.33	2	1,174.37	2	813.12	2	451.93	2	90.69	2		2		2	
1/4	2,250.29	1/4	1,889.02	1/4	1,527.81	1/4	1,166.85	1/4	805.60	1/4	444.41	1/4	83.16	1/4		1/4		1/4	
1/2	2,242.76	1/2	1,881.49	1/2	1,520.29	1/2	1,159.33	1/2	798.07	1/2	436.89	1/2	75.64	1/2		1/2		1/2	
3/4	2,235.24	3/4	1,873.96	3/4	1,512.77	3/4	1,151.81	3/4	790.54	3/4	429.36	3/4	68.11	3/4		3/4		3/4	
3	2,227.71	3	1,866.44	3	1,505.25	3	1,144.28	3	783.02	3	421.84	3	61.29	3		3		3	
1/4	2,220.18	1/4	1,858.91	1/4	1,497.73	1/4	1,136.76	1/4	775.49	1/4	414.32	1/4	54.47	1/4		1/4		1/4	
1/2	2,212.66	1/2	1,851.38	1/2	1,490.21	1/2	1,129.23	1/2	767.96	1/2	406.79	1/2	47.65	1/2		1/2		1/2	
3/4	2,205.13	3/4	1,843.86	3/4	1,482.69	3/4	1,121.71	3/4	760.44	3/4	399.27	3/4	40.83	3/4		3/4		3/4	
4	2,197.60	4	1,836.33	4	1,475.17	4	1,114.18	4	752.91	4	391.75	4	35.65	4		4		4	
1/4	2,190.08	1/4	1,828.80	1/4	1,467.65	1/4	1,106.66	1/4	745.38	1/4	384.22	1/4	30.48	1/4		1/4		1/4	
1/2	2,182.55	1/2	1,821.28	1/2	1,460.13	1/2	1,099.13	1/2	737.86	1/2	376.70	1/2	25.30	1/2		1/2		1/2	
3/4	2,175.02	3/4	1,813.75	3/4	1,452.61	3/4	1,091.60	3/4	730.33	3/4	369.17	3/4	20.13	3/4		3/4		3/4	
5	2,167.50	5	1,806.23	5	1,445.09	5	1,084.08	5	722.80	5	361.64	5		5		5		5	
1/4	2,159.97	1/4	1,798.70	1/4	1,437.57	1/4	1,076.55	1/4	715.28	1/4	354.12	1/4		1/4		1/4		1/4	
1/2	2,152.44	1/2	1,791.17	1/2	1,430.05	1/2	1,069.02	1/2	707.75	1/2	346.59	1/2		1/2		1/2		1/2	
3/4	2,144.92	3/4	1,783.65	3/4	1,422.53	3/4	1,061.50	3/4	700.22	3/4	339.06	3/4		3/4		3/4		3/4	
6	2,137.39	6	1,776.12	6	1,415.01	6	1,053.97	6	692.70	6	331.54	6		6		6		6	
1/4	2,129.86	1/4	1,768.59	1/4	1,407.49	1/4	1,046.44	1/4	685.17	1/4	324.01	1/4		1/4		1/4		1/4	
1/2	2,122.34	1/2	1,761.07	1/2	1,399.97	1/2	1,038.92	1/2	677.65	1/2	316.49	1/2		1/2		1/2		1/2	
3/4	2,114.81	3/4	1,753.54	3/4	1,392.45	3/4	1,031.39	3/4	670.12	3/4	308.96	3/4		3/4		3/4		3/4	
7	2,107.29	7	1,746.01	7	1,384.93	7	1,023.86	7	662.59	7	301.43	7		7		7		7	
1/4	2,099.76	1/4	1,738.49	1/4	1,377.41	1/4	1,016.34	1/4	655.07	1/4	293.91	1/4		1/4		1/4		1/4	
1/2	2,092.23	1/2	1,730.96	1/2	1,369.89	1/2	1,008.81	1/2	647.54	1/2	286.38	1/2		1/2		1/2		1/2	
3/4	2,084.71	3/4	1,723.43	3/4	1,362.37	3/4	1,001.28	3/4	640.01	3/4	278.85	3/4		3/4		3/4		3/4	
8	2,077.18	8	1,715.91	8	1,354.85	8	993.76	8	632.49	8	271.33	8		8		8		8	
1/4	2,069.65	1/4	1,708.38	1/4	1,347.33	1/4	986.23	1/4	624.97	1/4	263.80	1/4		1/4		1/4		1/4	
1/2	2,062.13	1/2	1,700.85	1/2	1,339.81	1/2	978.71	1/2	617.44	1/2	256.27	1/2		1/2		1/2		1/2	
3/4	2,054.60	3/4	1,693.33	3/4	1,332.29	3/4	971.18	3/4	609.92	3/4	248.75	3/4		3/4		3/4		3/4	
9	2,047.07	9	1,685.80	9	1,324.77	9	963.65	9	602.40	9	241.22	9		9		9		9	
1/4	2,039.55	1/4	1,678.27	1/4	1,317.25	1/4	956.13	1/4	594.87	1/4	233.69	1/4		1/4		1/4		1/4	
1/2	2,032.02	1/2	1,670.75	1/2	1,309.73	1/2	948.60	1/2	587.35	1/2	226.17	1/2		1/2		1/2		1/2	
3/4	2,024.49	3/4	1,663.22	3/4	1,302.21	3/4	941.07	3/4	579.83	3/4	218.64	3/4		3/4		3/4		3/4	
10	2,016.97	10	1,655.70	10	1,294.69	10	933.55	10	572.30	10	211.11	10		10		10		10	
1/4	2,009.44	1/4	1,648.17	1/4	1,287.17	1/4	926.02	1/4	564.78	1/4	203.59	1/4		1/4		1/4		1/4	
1/2	2,001.91	1/2	1,640.64	1/2	1,279.65	1/2	918.49	1/2	557.26	1/2	196.06	1/2		1/2		1/2		1/2	
3/4	1,994.39	3/4	1,633.12	3/4	1,272.13	3/4	910.97	3/4	549.73	3/4	188.53	3/4		3/4		3/4		3/4	
11	1,986.86	11	1,625.59	11	1,264.61	11	903.44	11	542.21	11	181.01	11		11		11		11	
1/4	1,979.33	1/4	1,618.06	1/4	1,257.09	1/4	895.91	1/4	534.69	1/4	173.48	1/4		1/4		1/4		1/4	
1/2	1,971.81	1/2	1,610.54	1/2	1,249.57	1/2	888.39	1/2	527.16	1/2	165.96	1/2		1/2		1/2		1/2	
3/4	1,964.28	3/4	1,603.01	3/4	1,242.05	3/4	880.86	3/4	519.64	3/4	158.43	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/24/2016 SW
CALCULATED: 08/25/2016 CL
PRINTED: 08/26/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2016

PRECISION MEASUREMENT
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