



BARGE "KIRBY 29124"

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

December 2, 2019

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



BARGE "KIRBY 29124"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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	4,632.53	0	4,294.57	0	3,940.12	0	3,569.57	0	3,193.75	0	2,816.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,625.65	1/4	4,287.34	1/4	3,932.55	1/4	3,561.74	1/4	3,185.88	1/4	2,808.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,950.81	1/2	4,618.77	1/2	4,280.11	1/2	3,924.98	1/2	3,553.91	1/2	3,178.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,945.44	3/4	4,611.88	3/4	4,272.88	3/4	3,917.41	3/4	3,546.08	3/4	3,170.16
1		1		1		1		1	4,940.06	1	4,605.00	1	4,265.65	1	3,909.83	1	3,538.25	1	3,162.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,933.40	1/4	4,598.09	1/4	4,258.40	1/4	3,902.23	1/4	3,530.42	1/4	3,154.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,926.73	1/2	4,591.18	1/2	4,251.14	1/2	3,894.63	1/2	3,522.60	1/2	3,146.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,920.06	3/4	4,584.27	3/4	4,243.89	3/4	3,887.03	3/4	3,514.77	3/4	3,138.70
2		2		2		2		2	4,913.40	2	4,577.36	2	4,236.63	2	3,879.43	2	3,506.94	2	3,130.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,905.80	1/4	4,570.42	1/4	4,229.35	1/4	3,871.80	1/4	3,499.11	1/4	3,122.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,898.20	1/2	4,563.48	1/2	4,222.07	1/2	3,864.17	1/2	3,491.28	1/2	3,115.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,890.60	3/4	4,556.54	3/4	4,214.79	3/4	3,856.55	3/4	3,483.45	3/4	3,107.25
3		3		3		3		3	4,883.00	3	4,549.60	3	4,207.50	3	3,848.92	3	3,475.63	3	3,099.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,875.17	1/4	4,542.63	1/4	4,200.19	1/4	3,841.27	1/4	3,467.80	1/4	3,091.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,867.34	1/2	4,535.67	1/2	4,192.88	1/2	3,833.61	1/2	3,459.97	1/2	3,083.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,859.51	3/4	4,528.70	3/4	4,185.57	3/4	3,825.96	3/4	3,452.14	3/4	3,075.80
4		4		4		4		4	4,851.69	4	4,521.73	4	4,178.26	4	3,818.30	4	3,444.31	4	3,067.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,844.29	1/4	4,514.73	1/4	4,170.92	1/4	3,810.62	1/4	3,436.48	1/4	3,060.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,836.90	1/2	4,507.74	1/2	4,163.58	1/2	3,802.93	1/2	3,428.66	1/2	3,052.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,829.50	3/4	4,500.74	3/4	4,156.24	3/4	3,795.25	3/4	3,420.83	3/4	3,044.35
5		5		5		5		5	4,822.10	5	4,493.74	5	4,148.90	5	3,787.57	5	3,413.00	5	3,036.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,815.42	1/4	4,486.71	1/4	4,141.53	1/4	3,779.85	1/4	3,405.17	1/4	3,028.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,808.74	1/2	4,479.69	1/2	4,134.16	1/2	3,772.14	1/2	3,397.34	1/2	3,020.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,802.05	3/4	4,472.66	3/4	4,126.79	3/4	3,764.43	3/4	3,389.51	3/4	3,012.89
6		6		6		6		6	4,795.37	6	4,465.64	6	4,119.42	6	3,756.72	6	3,381.69	6	3,005.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,788.66	1/4	4,458.58	1/4	4,112.02	1/4	3,748.98	1/4	3,373.86	1/4	2,997.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,781.95	1/2	4,451.53	1/2	4,104.62	1/2	3,741.24	1/2	3,366.03	1/2	2,989.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,775.23	3/4	4,444.47	3/4	4,097.23	3/4	3,733.49	3/4	3,358.20	3/4	2,981.44
7		7		7		7		7	4,768.52	7	4,437.42	7	4,089.83	7	3,725.75	7	3,350.37	7	2,973.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,761.78	1/4	4,430.33	1/4	4,082.40	1/4	3,717.98	1/4	3,342.54	1/4	2,965.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,755.04	1/2	4,423.25	1/2	4,074.97	1/2	3,710.21	1/2	3,334.72	1/2	2,957.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,748.30	3/4	4,416.16	3/4	4,067.55	3/4	3,702.44	3/4	3,326.89	3/4	2,949.99
8		8		8		8		8	4,741.56	8	4,409.08	8	4,060.12	8	3,694.67	8	3,319.06	8	2,942.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,734.79	1/4	4,401.97	1/4	4,052.66	1/4	3,686.87	1/4	3,311.23	1/4	2,934.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,728.02	1/2	4,394.85	1/2	4,045.21	1/2	3,679.07	1/2	3,303.40	1/2	2,926.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,721.25	3/4	4,387.74	3/4	4,037.75	3/4	3,671.28	3/4	3,295.57	3/4	2,918.53
9		9		9		9		9	4,714.48	9	4,380.63	9	4,030.30	9	3,663.48	9	3,287.74	9	2,910.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,707.68	1/4	4,373.48	1/4	4,022.81	1/4	3,655.66	1/4	3,279.92	1/4	2,902.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,700.88	1/2	4,366.34	1/2	4,015.32	1/2	3,647.83	1/2	3,272.09	1/2	2,894.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,694.08	3/4	4,359.20	3/4	4,007.84	3/4	3,640.01	3/4	3,264.26	3/4	2,887.08
10		10		10		10		10	4,687.28	10	4,352.06	10	4,000.35	10	3,632.19	10	3,256.43	10	2,879.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,680.45	1/4	4,344.89	1/4	3,992.84	1/4	3,624.37	1/4	3,248.60	1/4	2,871.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,673.62	1/2	4,337.71	1/2	3,985.33	1/2	3,616.54	1/2	3,240.77	1/2	2,863.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,666.79	3/4	4,330.54	3/4	3,977.81	3/4	3,608.71	3/4	3,232.95	3/4	2,855.63
11		11		11		11		11	4,659.96	11	4,323.37	11	3,970.30	11	3,600.88	11	3,225.12	11	2,847.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,653.11	1/4	4,316.17	1/4	3,962.75	1/4	3,593.05	1/4	3,217.27	1/4	2,839.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,646.25	1/2	4,308.97	1/2	3,955.21	1/2	3,585.22	1/2	3,209.43	1/2	2,832.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,639.39	3/4	4,301.77	3/4	3,947.67	3/4	3,577.40	3/4	3,201.59	3/4	2,824.18

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 52'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 29124"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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	2,438.88	0	2,061.45	0	1,684.01	0	1,307.82	0	931.30	0	553.88	0	202.40	0		0			
1/4	2,431.02	1/4	2,053.58	1/4	1,676.15	1/4	1,300.00	1/4	923.44	1/4	546.03	1/4	195.78	1/4		1/4			
1/2	2,423.15	1/2	2,045.72	1/2	1,668.29	1/2	1,292.19	1/2	915.58	1/2	538.17	1/2	189.16	1/2		1/2			
3/4	2,415.29	3/4	2,037.86	3/4	1,660.42	3/4	1,284.38	3/4	907.71	3/4	530.32	3/4	182.54	3/4		3/4			
1	2,407.43	1	2,029.99	1	1,652.56	1	1,276.56	1	899.85	1	522.47	1	175.92	1		1			
1/4	2,399.56	1/4	2,022.13	1/4	1,644.70	1/4	1,268.75	1/4	891.99	1/4	514.66	1/4	169.41	1/4		1/4			
1/2	2,391.70	1/2	2,014.27	1/2	1,636.83	1/2	1,260.93	1/2	884.13	1/2	506.86	1/2	162.90	1/2		1/2			
3/4	2,383.84	3/4	2,006.40	3/4	1,628.97	3/4	1,253.12	3/4	876.26	3/4	499.05	3/4	156.39	3/4		3/4			
2	2,375.97	2	1,998.54	2	1,621.11	2	1,245.31	2	868.40	2	491.25	2	149.88	2		2			
1/4	2,368.11	1/4	1,990.68	1/4	1,613.24	1/4	1,237.49	1/4	860.54	1/4	483.54	1/4	143.49	1/4		1/4			
1/2	2,360.25	1/2	1,982.81	1/2	1,605.38	1/2	1,229.68	1/2	852.67	1/2	475.82	1/2	137.10	1/2		1/2			
3/4	2,352.38	3/4	1,974.95	3/4	1,597.52	3/4	1,221.87	3/4	844.81	3/4	468.11	3/4	130.71	3/4		3/4			
3	2,344.52	3	1,967.09	3	1,589.65	3	1,214.05	3	836.95	3	460.40	3	124.31	3		3			
1/4	2,336.66	1/4	1,959.22	1/4	1,581.79	1/4	1,206.24	1/4	829.08	1/4	452.79	1/4	118.04	1/4		1/4			
1/2	2,328.79	1/2	1,951.36	1/2	1,573.93	1/2	1,198.42	1/2	821.22	1/2	445.19	1/2	111.77	1/2		1/2			
3/4	2,320.93	3/4	1,943.50	3/4	1,566.06	3/4	1,190.61	3/4	813.36	3/4	437.59	3/4	105.50	3/4		3/4			
4	2,313.07	4	1,935.63	4	1,558.20	4	1,182.80	4	805.50	4	429.98	4	99.22	4		4			
1/4	2,305.21	1/4	1,927.77	1/4	1,550.35	1/4	1,174.96	1/4	797.63	1/4	422.49	1/4	93.08	1/4		1/4			
1/2	2,297.34	1/2	1,919.91	1/2	1,542.50	1/2	1,167.13	1/2	789.77	1/2	414.99	1/2	86.94	1/2		1/2			
3/4	2,289.48	3/4	1,912.05	3/4	1,534.64	3/4	1,159.30	3/4	781.91	3/4	407.50	3/4	80.79	3/4		3/4			
5	2,281.62	5	1,904.18	5	1,526.79	5	1,151.47	5	774.04	5	400.01	5	74.65	5		5			
1/4	2,273.75	1/4	1,896.32	1/4	1,518.96	1/4	1,143.60	1/4	766.18	1/4	392.62	1/4	68.65	1/4		1/4			
1/2	2,265.89	1/2	1,888.46	1/2	1,511.13	1/2	1,135.74	1/2	758.32	1/2	385.24	1/2	62.65	1/2		1/2			
3/4	2,258.03	3/4	1,880.59	3/4	1,503.29	3/4	1,127.88	3/4	750.45	3/4	377.85	3/4	56.64	3/4		3/4			
6	2,250.16	6	1,872.73	6	1,495.46	6	1,120.02	6	742.59	6	370.47	6	50.64	6		6			
1/4	2,242.30	1/4	1,864.87	1/4	1,487.63	1/4	1,112.15	1/4	734.73	1/4	363.19	1/4	45.23	1/4		1/4			
1/2	2,234.44	1/2	1,857.00	1/2	1,479.80	1/2	1,104.29	1/2	726.87	1/2	355.91	1/2	39.82	1/2		1/2			
3/4	2,226.57	3/4	1,849.14	3/4	1,471.97	3/4	1,096.43	3/4	719.00	3/4	348.64	3/4	34.41	3/4		3/4			
7	2,218.71	7	1,841.28	7	1,464.14	7	1,088.56	7	711.14	7	341.36	7	29.00	7		7			
1/4	2,210.85	1/4	1,833.41	1/4	1,456.32	1/4	1,080.70	1/4	703.28	1/4	334.20	1/4	25.05	1/4		1/4			
1/2	2,202.98	1/2	1,825.55	1/2	1,448.50	1/2	1,072.84	1/2	695.41	1/2	327.03	1/2	21.09	1/2		1/2			
3/4	2,195.12	3/4	1,817.69	3/4	1,440.68	3/4	1,064.97	3/4	687.55	3/4	319.86	3/4	17.13	3/4		3/4			
8	2,187.26	8	1,809.82	8	1,432.86	8	1,057.11	8	679.69	8	312.70	8	13.17	8		8			
1/4	2,179.39	1/4	1,801.96	1/4	1,425.04	1/4	1,049.25	1/4	671.82	1/4	305.64	1/4		1/4		1/4			
1/2	2,171.53	1/2	1,794.10	1/2	1,417.22	1/2	1,041.39	1/2	663.96	1/2	298.58	1/2		1/2		1/2			
3/4	2,163.67	3/4	1,786.23	3/4	1,409.40	3/4	1,033.52	3/4	656.10	3/4	291.52	3/4		3/4		3/4			
9	2,155.80	9	1,778.37	9	1,401.59	9	1,025.66	9	648.24	9	284.47	9		9		9			
1/4	2,147.94	1/4	1,770.51	1/4	1,393.77	1/4	1,017.80	1/4	640.37	1/4	277.52	1/4		1/4		1/4			
1/2	2,140.08	1/2	1,762.64	1/2	1,385.96	1/2	1,009.93	1/2	632.51	1/2	270.57	1/2		1/2		1/2			
3/4	2,132.21	3/4	1,754.78	3/4	1,378.14	3/4	1,002.07	3/4	624.65	3/4	263.62	3/4		3/4		3/4			
10	2,124.35	10	1,746.92	10	1,370.33	10	994.21	10	616.78	10	256.67	10		10		10			
1/4	2,116.49	1/4	1,739.05	1/4	1,362.52	1/4	986.34	1/4	608.92	1/4	249.84	1/4		1/4		1/4			
1/2	2,108.63	1/2	1,731.19	1/2	1,354.70	1/2	978.48	1/2	601.06	1/2	243.00	1/2		1/2		1/2			
3/4	2,100.76	3/4	1,723.33	3/4	1,346.89	3/4	970.62	3/4	593.19	3/4	236.16	3/4		3/4		3/4			
11	2,092.90	11	1,715.47	11	1,339.07	11	962.76	11	585.33	11	229.32	11		11		11			
1/4	2,085.04	1/4	1,707.60	1/4	1,331.26	1/4	954.89	1/4	577.47	1/4	222.59	1/4		1/4		1/4			
1/2	2,077.17	1/2	1,699.74	1/2	1,323.45	1/2	947.03	1/2	569.61	1/2	215.86	1/2		1/2		1/2			
3/4	2,069.31	3/4	1,691.88	3/4	1,315.63	3/4	939.17	3/4	561.74	3/4	209.13	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/13/2014 CL
CALCULATED: 11/14/2014 CL
PRINTED: 11/14/2014 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 29124"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	4,950.88	0	4,625.83	0	4,287.64	0	3,932.97	0	3,562.29	0	3,186.56	0	2,809.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,950.88	1/4	4,618.95	1/4	4,280.41	1/4	3,925.20	1/4	3,554.46	1/4	3,178.70	1/4	2,801.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,945.51	1/2	4,612.07	1/2	4,273.19	1/2	3,917.83	1/2	3,546.64	1/2	3,170.84	1/2	2,793.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,940.14	3/4	4,605.19	3/4	4,265.96	3/4	3,910.27	3/4	3,538.81	3/4	3,162.98	3/4	2,785.68
1		1		1		1	4,933.48	1	4,598.29	1	4,258.71	1	3,902.67	1	3,530.99	1	3,155.12	1	2,777.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,926.81	1/4	4,591.38	1/4	4,251.46	1/4	3,895.07	1/4	3,523.16	1/4	3,147.26	1/4	2,769.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,920.15	1/2	4,584.47	1/2	4,244.20	1/2	3,887.47	1/2	3,515.33	1/2	3,139.40	1/2	2,762.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,913.48	3/4	4,577.56	3/4	4,236.95	3/4	3,879.87	3/4	3,507.51	3/4	3,131.54	3/4	2,754.23
2		2		2		2	4,905.89	2	4,570.63	2	4,229.67	2	3,872.24	2	3,499.68	2	3,123.68	2	2,746.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,898.29	1/4	4,563.69	1/4	4,222.39	1/4	3,864.62	1/4	3,491.86	1/4	3,115.82	1/4	2,738.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,890.69	1/2	4,556.75	1/2	4,215.11	1/2	3,857.00	1/2	3,484.03	1/2	3,107.96	1/2	2,730.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,883.10	3/4	4,549.81	3/4	4,207.83	3/4	3,849.37	3/4	3,476.21	3/4	3,100.10	3/4	2,722.79
3		3		3		3	4,875.27	3	4,542.85	3	4,200.52	3	3,841.72	3	3,468.38	3	3,092.24	3	2,714.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,867.44	1/4	4,535.88	1/4	4,193.21	1/4	3,834.07	1/4	3,460.55	1/4	3,084.38	1/4	2,707.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,859.62	1/2	4,528.92	1/2	4,185.90	1/2	3,826.42	1/2	3,452.73	1/2	3,076.51	1/2	2,699.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,851.79	3/4	4,521.95	3/4	4,178.60	3/4	3,818.77	3/4	3,444.90	3/4	3,068.65	3/4	2,691.35
4		4		4		4	4,844.40	4	4,514.96	4	4,171.26	4	3,811.08	4	3,437.08	4	3,060.79	4	2,683.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,837.01	1/4	4,507.96	1/4	4,163.92	1/4	3,803.40	1/4	3,429.25	1/4	3,052.93	1/4	2,675.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,829.61	1/2	4,500.97	1/2	4,156.58	1/2	3,795.72	1/2	3,421.43	1/2	3,045.07	1/2	2,667.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,822.22	3/4	4,493.97	3/4	4,149.25	3/4	3,788.04	3/4	3,413.60	3/4	3,037.21	3/4	2,659.91
5		5		5		5	4,815.54	5	4,486.95	5	4,141.88	5	3,780.33	5	3,405.77	5	3,029.35	5	2,652.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,808.86	1/4	4,479.92	1/4	4,134.51	1/4	3,772.62	1/4	3,397.95	1/4	3,021.49	1/4	2,644.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,802.18	1/2	4,472.90	1/2	4,127.14	1/2	3,764.91	1/2	3,390.12	1/2	3,013.63	1/2	2,636.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,795.50	3/4	4,465.88	3/4	4,119.78	3/4	3,757.20	3/4	3,382.30	3/4	3,005.77	3/4	2,628.47
6		6		6		6	4,788.79	6	4,458.82	6	4,112.38	6	3,749.46	6	3,374.47	6	2,997.91	6	2,620.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,782.08	1/4	4,451.77	1/4	4,104.99	1/4	3,741.72	1/4	3,366.65	1/4	2,990.05	1/4	2,612.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,775.37	1/2	4,444.72	1/2	4,097.59	1/2	3,733.99	1/2	3,358.82	1/2	2,982.19	1/2	2,604.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,768.66	3/4	4,437.67	3/4	4,090.20	3/4	3,726.25	3/4	3,350.99	3/4	2,974.33	3/4	2,597.02
7		7		7		7	4,761.92	7	4,430.58	7	4,082.77	7	3,718.48	7	3,343.17	7	2,966.47	7	2,589.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,755.18	1/4	4,423.50	1/4	4,075.35	1/4	3,710.71	1/4	3,335.34	1/4	2,958.61	1/4	2,581.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,748.44	1/2	4,416.42	1/2	4,067.92	1/2	3,702.95	1/2	3,327.52	1/2	2,950.75	1/2	2,573.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,741.70	3/4	4,409.34	3/4	4,060.50	3/4	3,695.18	3/4	3,319.69	3/4	2,942.89	3/4	2,565.58
8		8		8		8	4,734.93	8	4,402.23	8	4,053.04	8	3,687.38	8	3,311.87	8	2,935.03	8	2,557.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,728.17	1/4	4,395.12	1/4	4,045.59	1/4	3,679.58	1/4	3,304.04	1/4	2,927.17	1/4	2,549.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,721.40	1/2	4,388.01	1/2	4,038.14	1/2	3,671.79	1/2	3,296.22	1/2	2,919.30	1/2	2,542.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,714.63	3/4	4,380.90	3/4	4,030.68	3/4	3,663.99	3/4	3,288.39	3/4	2,911.44	3/4	2,534.14
9		9		9		9	4,707.83	9	4,373.76	9	4,023.20	9	3,656.17	9	3,280.56	9	2,903.58	9	2,526.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,701.04	1/4	4,366.62	1/4	4,015.72	1/4	3,648.36	1/4	3,272.74	1/4	2,895.72	1/4	2,518.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,694.24	1/2	4,359.48	1/2	4,008.24	1/2	3,640.54	1/2	3,264.91	1/2	2,887.86	1/2	2,510.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,687.44	3/4	4,352.34	3/4	4,000.75	3/4	3,632.72	3/4	3,257.09	3/4	2,880.00	3/4	2,502.70
10		10		10		10	4,680.61	10	4,345.17	10	3,993.24	10	3,624.89	10	3,249.26	10	2,872.14	10	2,494.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,673.79	1/4	4,338.00	1/4	3,985.73	1/4	3,617.07	1/4	3,241.44	1/4	2,864.28	1/4	2,486.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,666.96	1/2	4,330.83	1/2	3,978.22	1/2	3,609.24	1/2	3,233.61	1/2	2,856.42	1/2	2,479.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,660.14	3/4	4,323.66	3/4	3,970.71	3/4	3,601.42	3/4	3,225.78	3/4	2,848.56	3/4	2,471.26
11		11		11		11	4,653.28	11	4,316.46	11	3,963.17	11	3,593.59	11	3,217.94	11	2,840.70	11	2,463.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,646.42	1/4	4,309.26	1/4	3,955.63	1/4	3,585.77	1/4	3,210.10	1/4	2,832.84	1/4	2,455.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,639.57	1/2	4,302.07	1/2	3,948.08	1/2	3,577.94	1/2	3,202.26	1/2	2,824.98	1/2	2,447.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,632.71	3/4	4,294.87	3/4	3,940.54	3/4	3,570.11	3/4	3,194.42	3/4	2,817.12	3/4	2,439.81

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 52'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29124"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,431.95	0	2,054.65	0	1,677.35	0	1,300.04	0	923.01	0	545.84	0	195.71	0		0		0	
1/4	2,424.09	1/4	2,046.79	1/4	1,669.49	1/4	1,292.18	1/4	915.16	1/4	537.99	1/4	189.10	1/4		1/4		1/4	
1/2	2,416.23	1/2	2,038.93	1/2	1,661.62	1/2	1,284.32	1/2	907.31	1/2	530.14	1/2	182.48	1/2		1/2		1/2	
3/4	2,408.37	3/4	2,031.07	3/4	1,653.76	3/4	1,276.46	3/4	899.46	3/4	522.29	3/4	175.86	3/4		3/4		3/4	
1	2,400.51	1	2,023.21	1	1,645.90	1	1,268.60	1	891.62	1	514.49	1	169.35	1		1		1	
1/4	2,392.65	1/4	2,015.35	1/4	1,638.04	1/4	1,260.74	1/4	883.77	1/4	506.68	1/4	162.85	1/4		1/4		1/4	
1/2	2,384.79	1/2	2,007.49	1/2	1,630.18	1/2	1,252.88	1/2	875.92	1/2	498.88	1/2	156.34	1/2		1/2		1/2	
3/4	2,376.93	3/4	1,999.63	3/4	1,622.32	3/4	1,245.02	3/4	868.07	3/4	491.08	3/4	149.83	3/4		3/4		3/4	
2	2,369.07	2	1,991.77	2	1,614.46	2	1,237.16	2	860.22	2	483.37	2	143.44	2		2		2	
1/4	2,361.21	1/4	1,983.91	1/4	1,606.60	1/4	1,229.30	1/4	852.37	1/4	475.66	1/4	137.05	1/4		1/4		1/4	
1/2	2,353.35	1/2	1,976.04	1/2	1,598.74	1/2	1,221.44	1/2	844.51	1/2	467.95	1/2	130.66	1/2		1/2		1/2	
3/4	2,345.49	3/4	1,968.18	3/4	1,590.88	3/4	1,213.58	3/4	836.66	3/4	460.24	3/4	124.27	3/4		3/4		3/4	
3	2,337.63	3	1,960.32	3	1,583.02	3	1,205.72	3	828.80	3	452.64	3	118.00	3		3		3	
1/4	2,329.77	1/4	1,952.46	1/4	1,575.16	1/4	1,197.86	1/4	820.94	1/4	445.04	1/4	111.73	1/4		1/4		1/4	
1/2	2,321.91	1/2	1,944.60	1/2	1,567.30	1/2	1,189.99	1/2	813.08	1/2	437.44	1/2	105.46	1/2		1/2		1/2	
3/4	2,314.05	3/4	1,936.74	3/4	1,559.44	3/4	1,182.13	3/4	805.22	3/4	429.83	3/4	99.19	3/4		3/4		3/4	
4	2,306.19	4	1,928.88	4	1,551.58	4	1,174.27	4	797.36	4	422.34	4	93.05	4		4		4	
1/4	2,298.33	1/4	1,921.02	1/4	1,543.72	1/4	1,166.41	1/4	789.50	1/4	414.85	1/4	86.91	1/4		1/4		1/4	
1/2	2,290.46	1/2	1,913.16	1/2	1,535.86	1/2	1,158.55	1/2	781.64	1/2	407.36	1/2	80.77	1/2		1/2		1/2	
3/4	2,282.60	3/4	1,905.30	3/4	1,528.00	3/4	1,150.69	3/4	773.78	3/4	399.87	3/4	74.62	3/4		3/4		3/4	
5	2,274.74	5	1,897.44	5	1,520.14	5	1,142.83	5	765.92	5	392.49	5	68.63	5		5		5	
1/4	2,266.88	1/4	1,889.58	1/4	1,512.28	1/4	1,134.97	1/4	758.06	1/4	385.10	1/4	62.63	1/4		1/4		1/4	
1/2	2,259.02	1/2	1,881.72	1/2	1,504.41	1/2	1,127.11	1/2	750.20	1/2	377.72	1/2	56.63	1/2		1/2		1/2	
3/4	2,251.16	3/4	1,873.86	3/4	1,496.55	3/4	1,119.25	3/4	742.34	3/4	370.34	3/4	50.63	3/4		3/4		3/4	
6	2,243.30	6	1,866.00	6	1,488.69	6	1,111.39	6	734.48	6	363.06	6	45.22	6		6		6	
1/4	2,235.44	1/4	1,858.14	1/4	1,480.83	1/4	1,103.54	1/4	726.62	1/4	355.79	1/4	39.81	1/4		1/4		1/4	
1/2	2,227.58	1/2	1,850.28	1/2	1,472.97	1/2	1,095.68	1/2	718.75	1/2	348.52	1/2	34.40	1/2		1/2		1/2	
3/4	2,219.72	3/4	1,842.42	3/4	1,465.11	3/4	1,087.83	3/4	710.89	3/4	341.24	3/4	28.99	3/4		3/4		3/4	
7	2,211.86	7	1,834.56	7	1,457.25	7	1,079.98	7	703.03	7	334.08	7	25.04	7		7		7	
1/4	2,204.00	1/4	1,826.70	1/4	1,449.39	1/4	1,072.13	1/4	695.17	1/4	326.92	1/4	21.08	1/4		1/4		1/4	
1/2	2,196.14	1/2	1,818.83	1/2	1,441.53	1/2	1,064.28	1/2	687.31	1/2	319.75	1/2	17.12	1/2		1/2		1/2	
3/4	2,188.28	3/4	1,810.97	3/4	1,433.67	3/4	1,056.43	3/4	679.45	3/4	312.59	3/4	13.16	3/4		3/4		3/4	
8	2,180.42	8	1,803.11	8	1,425.81	8	1,048.58	8	671.59	8	305.53	8		8		8		8	
1/4	2,172.56	1/4	1,795.25	1/4	1,417.95	1/4	1,040.74	1/4	663.73	1/4	298.48	1/4		1/4		1/4		1/4	
1/2	2,164.70	1/2	1,787.39	1/2	1,410.09	1/2	1,032.89	1/2	655.87	1/2	291.42	1/2		1/2		1/2		1/2	
3/4	2,156.84	3/4	1,779.53	3/4	1,402.23	3/4	1,025.04	3/4	648.01	3/4	284.37	3/4		3/4		3/4		3/4	
9	2,148.98	9	1,771.67	9	1,394.37	9	1,017.19	9	640.15	9	277.42	9		9		9		9	
1/4	2,141.12	1/4	1,763.81	1/4	1,386.51	1/4	1,009.34	1/4	632.29	1/4	270.48	1/4		1/4		1/4		1/4	
1/2	2,133.25	1/2	1,755.95	1/2	1,378.65	1/2	1,001.49	1/2	624.43	1/2	263.53	1/2		1/2		1/2		1/2	
3/4	2,125.39	3/4	1,748.09	3/4	1,370.79	3/4	993.65	3/4	616.57	3/4	256.59	3/4		3/4		3/4		3/4	
10	2,117.53	10	1,740.23	10	1,362.93	10	985.80	10	608.71	10	249.75	10		10		10		10	
1/4	2,109.67	1/4	1,732.37	1/4	1,355.07	1/4	977.95	1/4	600.85	1/4	242.91	1/4		1/4		1/4		1/4	
1/2	2,101.81	1/2	1,724.51	1/2	1,347.20	1/2	970.10	1/2	592.99	1/2	236.08	1/2		1/2		1/2		1/2	
3/4	2,093.95	3/4	1,716.65	3/4	1,339.34	3/4	962.25	3/4	585.13	3/4	229.24	3/4		3/4		3/4		3/4	
11	2,086.09	11	1,708.79	11	1,331.48	11	954.40	11	577.27	11	222.51	11		11		11		11	
1/4	2,078.23	1/4	1,700.93	1/4	1,323.62	1/4	946.55	1/4	569.41	1/4	215.79	1/4		1/4		1/4		1/4	
1/2	2,070.37	1/2	1,693.07	1/2	1,315.76	1/2	938.71	1/2	561.55	1/2	209.06	1/2		1/2		1/2		1/2	
3/4	2,062.51	3/4	1,685.21	3/4	1,307.90	3/4	930.86	3/4	553.69	3/4	202.33	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/13/2014 CL
CALCULATED: 11/14/2014 CL
PRINTED: 11/14/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29124"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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	4,459.54	0	4,136.91	0	3,799.14	0	3,446.60	0	3,089.23	0	2,730.36
1/4		1/4		1/4		1/4		1/4	4,452.96	1/4	4,130.01	1/4	3,791.93	1/4	3,439.16	1/4	3,081.75	1/4	2,722.88
1/2		1/2		1/2		1/2		1/2	4,763.23	1/2	4,446.39	1/2	4,123.12	1/2	3,784.72	1/2	3,431.71	1/2	3,074.27
3/4		3/4		3/4		3/4		3/4	4,758.12	3/4	4,439.81	3/4	4,116.22	3/4	3,777.52	3/4	3,424.27	3/4	3,066.80
1		1		1		1		1	4,753.01	1	4,433.24	1	4,109.32	1	3,770.31	1	3,416.82	1	3,059.32
1/4		1/4		1/4		1/4		1/4	4,746.67	1/4	4,426.63	1/4	4,102.41	1/4	3,763.07	1/4	3,409.38	1/4	3,051.85
1/2		1/2		1/2		1/2		1/2	4,740.33	1/2	4,420.03	1/2	4,095.49	1/2	3,755.83	1/2	3,401.94	1/2	3,044.37
3/4		3/4		3/4		3/4		3/4	4,734.00	3/4	4,413.43	3/4	4,088.57	3/4	3,748.60	3/4	3,394.49	3/4	3,036.89
2		2		2		2		2	4,727.66	2	4,406.83	2	4,081.66	2	3,741.36	2	3,387.05	2	3,029.42
1/4		1/4		1/4		1/4		1/4	4,720.43	1/4	4,400.20	1/4	4,074.71	1/4	3,734.10	1/4	3,379.60	1/4	3,021.94
1/2		1/2		1/2		1/2		1/2	4,713.21	1/2	4,393.57	1/2	4,067.77	1/2	3,726.84	1/2	3,372.16	1/2	3,014.46
3/4		3/4		3/4		3/4		3/4	4,705.98	3/4	4,386.94	3/4	4,060.83	3/4	3,719.58	3/4	3,364.71	3/4	3,006.99
3		3		3		3		3	4,698.76	3	4,380.31	3	4,053.88	3	3,712.32	3	3,357.27	3	2,999.51
1/4		1/4		1/4		1/4		1/4	4,691.32	1/4	4,373.66	1/4	4,046.91	1/4	3,705.04	1/4	3,349.83	1/4	2,992.03
1/2		1/2		1/2		1/2		1/2	4,683.87	1/2	4,367.00	1/2	4,039.94	1/2	3,697.76	1/2	3,342.38	1/2	2,984.56
3/4		3/4		3/4		3/4		3/4	4,676.43	3/4	4,360.35	3/4	4,032.97	3/4	3,690.47	3/4	3,334.94	3/4	2,977.08
4		4		4		4		4	4,668.98	4	4,353.70	4	4,026.00	4	3,683.19	4	3,327.49	4	2,969.60
1/4		1/4		1/4		1/4		1/4	4,661.94	1/4	4,347.01	1/4	4,019.01	1/4	3,675.88	1/4	3,320.05	1/4	2,962.13
1/2		1/2		1/2		1/2		1/2	4,654.89	1/2	4,340.33	1/2	4,012.01	1/2	3,668.56	1/2	3,312.60	1/2	2,954.65
3/4		3/4		3/4		3/4		3/4	4,647.84	3/4	4,333.65	3/4	4,005.01	3/4	3,661.25	3/4	3,305.16	3/4	2,947.18
5		5		5		5		5	4,640.80	5	4,326.97	5	3,998.02	5	3,653.94	5	3,297.72	5	2,939.70
1/4		1/4		1/4		1/4		1/4	4,634.40	1/4	4,320.26	1/4	3,990.99	1/4	3,646.60	1/4	3,290.27	1/4	2,932.22
1/2		1/2		1/2		1/2		1/2	4,628.01	1/2	4,313.55	1/2	3,983.97	1/2	3,639.27	1/2	3,282.83	1/2	2,924.75
3/4		3/4		3/4		3/4		3/4	4,621.61	3/4	4,306.85	3/4	3,976.95	3/4	3,631.93	3/4	3,275.38	3/4	2,917.27
6		6		6		6		6	4,615.22	6	4,300.14	6	3,969.92	6	3,624.59	6	3,267.94	6	2,909.79
1/4		1/4		1/4		1/4		1/4	4,608.80	1/4	4,293.40	1/4	3,962.88	1/4	3,617.23	1/4	3,260.49	1/4	2,902.32
1/2		1/2		1/2		1/2		1/2	4,602.38	1/2	4,286.67	1/2	3,955.83	1/2	3,609.86	1/2	3,253.05	1/2	2,894.84
3/4		3/4		3/4		3/4		3/4	4,595.96	3/4	4,279.93	3/4	3,948.78	3/4	3,602.50	3/4	3,245.61	3/4	2,887.36
7		7		7		7		7	4,589.54	7	4,273.20	7	3,941.73	7	3,595.13	7	3,238.16	7	2,879.89
1/4		1/4		1/4		1/4		1/4	4,583.10	1/4	4,266.44	1/4	3,934.65	1/4	3,587.74	1/4	3,230.72	1/4	2,872.41
1/2		1/2		1/2		1/2		1/2	4,576.65	1/2	4,259.68	1/2	3,927.58	1/2	3,580.35	1/2	3,223.27	1/2	2,864.94
3/4		3/4		3/4		3/4		3/4	4,570.20	3/4	4,252.92	3/4	3,920.50	3/4	3,572.96	3/4	3,215.83	3/4	2,857.46
8		8		8		8		8	4,563.75	8	4,246.15	8	3,913.42	8	3,565.57	8	3,208.38	8	2,849.98
1/4		1/4		1/4		1/4		1/4	4,557.28	1/4	4,239.37	1/4	3,906.32	1/4	3,558.15	1/4	3,200.94	1/4	2,842.51
1/2		1/2		1/2		1/2		1/2	4,550.81	1/2	4,232.58	1/2	3,899.22	1/2	3,550.73	1/2	3,193.50	1/2	2,835.03
3/4		3/4		3/4		3/4		3/4	4,544.34	3/4	4,225.79	3/4	3,892.12	3/4	3,543.32	3/4	3,186.05	3/4	2,827.55
9		9		9		9		9	4,537.86	9	4,219.00	9	3,885.02	9	3,535.90	9	3,178.61	9	2,820.08
1/4		1/4		1/4		1/4		1/4	4,531.36	1/4	4,212.19	1/4	3,877.89	1/4	3,528.46	1/4	3,171.16	1/4	2,812.60
1/2		1/2		1/2		1/2		1/2	4,524.86	1/2	4,205.37	1/2	3,870.76	1/2	3,521.03	1/2	3,163.72	1/2	2,805.12
3/4		3/4		3/4		3/4		3/4	4,518.36	3/4	4,198.56	3/4	3,863.63	3/4	3,513.59	3/4	3,156.27	3/4	2,797.65
10		10		10		10		10	4,511.86	10	4,191.74	10	3,856.50	10	3,506.16	10	3,148.83	10	2,790.17
1/4		1/4		1/4		1/4		1/4	4,505.33	1/4	4,184.90	1/4	3,849.34	1/4	3,498.71	1/4	3,141.39	1/4	2,782.69
1/2		1/2		1/2		1/2		1/2	4,498.81	1/2	4,178.06	1/2	3,842.19	1/2	3,491.27	1/2	3,133.94	1/2	2,775.22
3/4		3/4		3/4		3/4		3/4	4,492.28	3/4	4,171.22	3/4	3,835.03	3/4	3,483.82	3/4	3,126.50	3/4	2,767.74
11		11		11		11		11	4,485.76	11	4,164.38	11	3,827.87	11	3,476.38	11	3,119.05	11	2,760.27
1/4		1/4		1/4		1/4		1/4	4,479.20	1/4	4,157.51	1/4	3,820.69	1/4	3,468.93	1/4	3,111.60	1/4	2,752.79
1/2		1/2		1/2		1/2		1/2	4,472.65	1/2	4,150.64	1/2	3,813.51	1/2	3,461.49	1/2	3,104.14	1/2	2,745.31
3/4		3/4		3/4		3/4		3/4	4,466.09	3/4	4,143.77	3/4	3,806.32	3/4	3,454.05	3/4	3,096.68	3/4	2,737.84

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 52'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29124"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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	2,371.49	0	2,012.63	0	1,653.76	0	1,303.23	0	958.55	0	601.66	0	242.80	0		0			
1/4	2,364.02	1/4	2,005.15	1/4	1,646.28	1/4	1,296.04	1/4	951.37	1/4	594.18	1/4	235.32	1/4		1/4			
1/2	2,356.54	1/2	1,997.67	1/2	1,638.81	1/2	1,288.85	1/2	944.20	1/2	586.70	1/2	227.85	1/2		1/2			
3/4	2,349.06	3/4	1,990.20	3/4	1,631.33	3/4	1,281.65	3/4	937.03	3/4	579.23	3/4	220.37	3/4		3/4			
1	2,341.59	1	1,982.72	1	1,623.85	1	1,274.46	1	929.85	1	571.75	1	212.90	1		1			
1/4	2,334.11	1/4	1,975.24	1/4	1,616.38	1/4	1,267.26	1/4	922.56	1/4	564.28	1/4	205.42	1/4		1/4			
1/2	2,326.63	1/2	1,967.77	1/2	1,608.90	1/2	1,260.07	1/2	915.28	1/2	556.80	1/2	197.95	1/2		1/2			
3/4	2,319.16	3/4	1,960.29	3/4	1,601.42	3/4	1,252.88	3/4	907.99	3/4	549.32	3/4	190.47	3/4		3/4			
2	2,311.68	2	1,952.81	2	1,593.95	2	1,245.68	2	900.70	2	541.85	2	183.00	2		2			
1/4	2,304.21	1/4	1,945.34	1/4	1,586.47	1/4	1,238.49	1/4	893.23	1/4	534.37	1/4	175.53	1/4		1/4			
1/2	2,296.73	1/2	1,937.86	1/2	1,578.99	1/2	1,231.30	1/2	885.75	1/2	526.89	1/2	168.06	1/2		1/2			
3/4	2,289.25	3/4	1,930.39	3/4	1,571.52	3/4	1,224.10	3/4	878.28	3/4	519.42	3/4	160.60	3/4		3/4			
3	2,281.78	3	1,922.91	3	1,564.04	3	1,216.91	3	870.80	3	511.94	3	153.13	3		3			
1/4	2,274.30	1/4	1,915.43	1/4	1,556.57	1/4	1,209.72	1/4	863.32	1/4	504.47	1/4	145.67	1/4		1/4			
1/2	2,266.82	1/2	1,907.96	1/2	1,549.09	1/2	1,202.53	1/2	855.85	1/2	496.99	1/2	138.22	1/2		1/2			
3/4	2,259.35	3/4	1,900.48	3/4	1,541.61	3/4	1,195.34	3/4	848.37	3/4	489.51	3/4	130.76	3/4		3/4			
4	2,251.87	4	1,893.00	4	1,534.14	4	1,188.15	4	840.90	4	482.04	4	123.30	4		4			
1/4	2,244.39	1/4	1,885.53	1/4	1,526.77	1/4	1,180.97	1/4	833.42	1/4	474.56	1/4	115.86	1/4		1/4			
1/2	2,236.92	1/2	1,878.05	1/2	1,519.39	1/2	1,173.79	1/2	825.94	1/2	467.09	1/2	108.43	1/2		1/2			
3/4	2,229.44	3/4	1,870.57	3/4	1,512.02	3/4	1,166.61	3/4	818.47	3/4	459.61	3/4	100.99	3/4		3/4			
5	2,221.96	5	1,863.10	5	1,504.65	5	1,159.43	5	810.99	5	452.13	5	93.55	5		5			
1/4	2,214.49	1/4	1,855.62	1/4	1,497.46	1/4	1,152.25	1/4	803.51	1/4	444.66	1/4	86.14	1/4		1/4			
1/2	2,207.01	1/2	1,848.14	1/2	1,490.27	1/2	1,145.07	1/2	796.04	1/2	437.18	1/2	78.73	1/2		1/2			
3/4	2,199.54	3/4	1,840.67	3/4	1,483.07	3/4	1,137.89	3/4	788.56	3/4	429.70	3/4	71.33	3/4		3/4			
6	2,192.06	6	1,833.19	6	1,475.88	6	1,130.72	6	781.09	6	422.23	6	63.92	6		6			
1/4	2,184.58	1/4	1,825.72	1/4	1,468.69	1/4	1,123.54	1/4	773.61	1/4	414.75	1/4	56.97	1/4		1/4			
1/2	2,177.11	1/2	1,818.24	1/2	1,461.49	1/2	1,116.37	1/2	766.13	1/2	407.28	1/2	50.02	1/2		1/2			
3/4	2,169.63	3/4	1,810.76	3/4	1,454.30	3/4	1,109.19	3/4	758.66	3/4	399.80	3/4	43.07	3/4		3/4			
7	2,162.15	7	1,803.29	7	1,447.10	7	1,102.02	7	751.18	7	392.32	7	36.13	7		7			
1/4	2,154.68	1/4	1,795.81	1/4	1,439.91	1/4	1,094.85	1/4	743.70	1/4	384.85	1/4	30.83	1/4		1/4			
1/2	2,147.20	1/2	1,788.33	1/2	1,432.72	1/2	1,087.67	1/2	736.23	1/2	377.37	1/2	25.54	1/2		1/2			
3/4	2,139.72	3/4	1,780.86	3/4	1,425.52	3/4	1,080.50	3/4	728.75	3/4	369.89	3/4	20.25	3/4		3/4			
8	2,132.25	8	1,773.38	8	1,418.33	8	1,073.33	8	721.28	8	362.42	8	14.95	8		8			
1/4	2,124.77	1/4	1,765.90	1/4	1,411.14	1/4	1,066.15	1/4	713.80	1/4	354.94	1/4		1/4		1/4			
1/2	2,117.30	1/2	1,758.43	1/2	1,403.94	1/2	1,058.98	1/2	706.32	1/2	347.47	1/2		1/2		1/2			
3/4	2,109.82	3/4	1,750.95	3/4	1,396.75	3/4	1,051.80	3/4	698.85	3/4	339.99	3/4		3/4		3/4			
9	2,102.34	9	1,743.48	9	1,389.56	9	1,044.63	9	691.37	9	332.51	9		9		9			
1/4	2,094.87	1/4	1,736.00	1/4	1,382.36	1/4	1,037.46	1/4	683.89	1/4	325.04	1/4		1/4		1/4			
1/2	2,087.39	1/2	1,728.52	1/2	1,375.17	1/2	1,030.28	1/2	676.42	1/2	317.56	1/2		1/2		1/2			
3/4	2,079.91	3/4	1,721.05	3/4	1,367.98	3/4	1,023.11	3/4	668.94	3/4	310.08	3/4		3/4		3/4			
10	2,072.44	10	1,713.57	10	1,360.78	10	1,015.94	10	661.47	10	302.61	10		10		10			
1/4	2,064.96	1/4	1,706.09	1/4	1,353.59	1/4	1,008.76	1/4	653.99	1/4	295.13	1/4		1/4		1/4			
1/2	2,057.48	1/2	1,698.62	1/2	1,346.39	1/2	1,001.59	1/2	646.51	1/2	287.66	1/2		1/2		1/2			
3/4	2,050.01	3/4	1,691.14	3/4	1,339.20	3/4	994.41	3/4	639.04	3/4	280.18	3/4		3/4		3/4			
11	2,042.53	11	1,683.66	11	1,332.01	11	987.24	11	631.56	11	272.70	11		11		11			
1/4	2,035.05	1/4	1,676.19	1/4	1,324.81	1/4	980.07	1/4	624.09	1/4	265.23	1/4		1/4		1/4			
1/2	2,027.58	1/2	1,668.71	1/2	1,317.62	1/2	972.89	1/2	616.61	1/2	257.75	1/2		1/2		1/2			
3/4	2,020.10	3/4	1,661.23	3/4	1,310.43	3/4	965.72	3/4	609.13	3/4	250.28	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/13/2014 CL
CALCULATED: 11/14/2014 CL
PRINTED: 11/14/2014 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 29124"

2 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	4,498.39	0	4,176.27	0	3,839.01	0	3,486.86	0	3,129.39	0	2,770.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,491.83	1/4	4,169.40	1/4	3,831.82	1/4	3,479.42	1/4	3,121.94	1/4	2,762.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,485.28	1/2	4,162.53	1/2	3,824.64	1/2	3,471.97	1/2	3,114.48	1/2	2,755.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,478.70	3/4	4,155.63	3/4	3,817.43	3/4	3,464.52	3/4	3,107.00	3/4	2,748.00
1		1		1		1		1	4,789.08	1	4,472.12	1	4,148.73	1	3,810.21	1	3,457.07	1	3,099.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,783.97	1/4	4,465.54	1/4	4,141.83	1/4	3,803.00	1/4	3,449.63	1/4	3,092.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,778.86	1/2	4,458.96	1/2	4,134.93	1/2	3,795.79	1/2	3,442.18	1/2	3,084.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,772.51	3/4	4,452.36	3/4	4,128.01	3/4	3,788.55	3/4	3,434.73	3/4	3,077.09
2		2		2		2		2	4,766.17	2	4,445.75	2	4,121.09	2	3,781.31	2	3,427.29	2	3,069.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,759.83	1/4	4,439.15	1/4	4,114.17	1/4	3,774.07	1/4	3,419.84	1/4	3,062.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,753.49	1/2	4,432.55	1/2	4,107.25	1/2	3,766.83	1/2	3,412.39	1/2	3,054.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,746.26	3/4	4,425.91	3/4	4,100.31	3/4	3,759.57	3/4	3,404.95	3/4	3,047.17
3		3		3		3		3	4,739.04	3	4,419.28	3	4,093.36	3	3,752.31	3	3,397.50	3	3,039.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,731.81	1/4	4,412.65	1/4	4,086.42	1/4	3,745.05	1/4	3,390.05	1/4	3,032.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.58	1/2	4,406.02	1/2	4,079.47	1/2	3,737.79	1/2	3,382.60	1/2	3,024.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.14	3/4	4,399.36	3/4	4,072.50	3/4	3,730.50	3/4	3,375.16	3/4	3,017.25
4		4		4		4		4	4,709.69	4	4,392.71	4	4,065.53	4	3,723.21	4	3,367.71	4	3,009.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,702.24	1/4	4,386.05	1/4	4,058.55	1/4	3,715.93	1/4	3,360.26	1/4	3,002.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,694.80	1/2	4,379.39	1/2	4,051.58	1/2	3,708.64	1/2	3,352.82	1/2	2,994.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,687.75	3/4	4,372.71	3/4	4,044.58	3/4	3,701.33	3/4	3,345.37	3/4	2,987.34
5		5		5		5		5	4,680.70	5	4,366.02	5	4,037.58	5	3,694.01	5	3,337.92	5	2,979.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,673.65	1/4	4,359.34	1/4	4,030.58	1/4	3,686.70	1/4	3,330.48	1/4	2,972.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,666.60	1/2	4,352.66	1/2	4,023.59	1/2	3,679.38	1/2	3,323.03	1/2	2,964.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,660.20	3/4	4,345.95	3/4	4,016.56	3/4	3,672.04	3/4	3,315.58	3/4	2,957.42
6		6		6		6		6	4,653.81	6	4,339.24	6	4,009.53	6	3,664.70	6	3,308.13	6	2,949.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,647.41	1/4	4,332.53	1/4	4,002.51	1/4	3,657.36	1/4	3,300.69	1/4	2,942.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,641.01	1/2	4,325.82	1/2	3,995.48	1/2	3,650.02	1/2	3,293.24	1/2	2,934.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,634.59	3/4	4,319.08	3/4	3,988.43	3/4	3,642.65	3/4	3,285.79	3/4	2,927.50
7		7		7		7		7	4,628.17	7	4,312.34	7	3,981.38	7	3,635.29	7	3,278.35	7	2,920.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,621.75	1/4	4,305.60	1/4	3,974.33	1/4	3,627.92	1/4	3,270.90	1/4	2,912.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,615.33	1/2	4,298.87	1/2	3,967.28	1/2	3,620.55	1/2	3,263.45	1/2	2,905.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,608.88	3/4	4,292.10	3/4	3,960.20	3/4	3,613.16	3/4	3,256.01	3/4	2,897.59
8		8		8		8		8	4,602.43	8	4,285.34	8	3,953.12	8	3,605.77	8	3,248.56	8	2,890.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,595.98	1/4	4,278.58	1/4	3,946.04	1/4	3,598.37	1/4	3,241.11	1/4	2,882.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,589.53	1/2	4,271.81	1/2	3,938.96	1/2	3,590.98	1/2	3,233.66	1/2	2,875.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,583.05	3/4	4,265.02	3/4	3,931.86	3/4	3,583.56	3/4	3,226.22	3/4	2,867.67
9		9		9		9		9	4,576.58	9	4,258.23	9	3,924.75	9	3,576.14	9	3,218.77	9	2,860.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,570.10	1/4	4,251.44	1/4	3,917.65	1/4	3,568.72	1/4	3,211.32	1/4	2,852.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,563.63	1/2	4,244.65	1/2	3,910.54	1/2	3,561.30	1/2	3,203.88	1/2	2,845.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,557.12	3/4	4,237.83	3/4	3,903.41	3/4	3,553.86	3/4	3,196.43	3/4	2,837.75
10		10		10		10		10	4,550.62	10	4,231.02	10	3,896.28	10	3,546.42	10	3,188.98	10	2,830.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,544.12	1/4	4,224.20	1/4	3,889.15	1/4	3,538.98	1/4	3,181.54	1/4	2,822.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,537.62	1/2	4,217.38	1/2	3,882.01	1/2	3,531.54	1/2	3,174.09	1/2	2,815.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,531.09	3/4	4,210.54	3/4	3,874.85	3/4	3,524.10	3/4	3,166.64	3/4	2,807.84
11		11		11		11		11	4,524.56	11	4,203.69	11	3,867.70	11	3,516.65	11	3,159.19	11	2,800.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,518.03	1/4	4,196.85	1/4	3,860.54	1/4	3,509.20	1/4	3,151.75	1/4	2,792.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,511.50	1/2	4,190.01	1/2	3,853.38	1/2	3,501.76	1/2	3,144.30	1/2	2,785.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,504.94	3/4	4,183.14	3/4	3,846.19	3/4	3,494.31	3/4	3,136.85	3/4	2,777.92

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 52'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29124"

2 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	2,411.44	0	2,052.44	0	1,693.44	0	1,334.43	0	975.67	0	616.83	0	257.85	0		0			
1/4	2,403.96	1/4	2,044.96	1/4	1,685.96	1/4	1,326.95	1/4	968.20	1/4	609.35	1/4	250.37	1/4		1/4			
1/2	2,396.48	1/2	2,037.48	1/2	1,678.48	1/2	1,319.48	1/2	960.74	1/2	601.87	1/2	242.89	1/2		1/2			
3/4	2,389.00	3/4	2,030.00	3/4	1,671.00	3/4	1,312.00	3/4	953.27	3/4	594.40	3/4	235.41	3/4		3/4			
1	2,381.52	1	2,022.52	1	1,663.52	1	1,304.52	1	945.80	1	586.92	1	227.93	1		1			
1/4	2,374.04	1/4	2,015.04	1/4	1,656.04	1/4	1,297.04	1/4	938.34	1/4	579.44	1/4	220.45	1/4		1/4			
1/2	2,366.56	1/2	2,007.56	1/2	1,648.56	1/2	1,289.56	1/2	930.87	1/2	571.96	1/2	212.97	1/2		1/2			
3/4	2,359.08	3/4	2,000.08	3/4	1,641.08	3/4	1,282.08	3/4	923.40	3/4	564.48	3/4	205.50	3/4		3/4			
2	2,351.61	2	1,992.60	2	1,633.60	2	1,274.60	2	915.94	2	557.00	2	198.02	2		2			
1/4	2,344.13	1/4	1,985.12	1/4	1,626.12	1/4	1,267.12	1/4	908.47	1/4	549.52	1/4	190.54	1/4		1/4			
1/2	2,336.65	1/2	1,977.65	1/2	1,618.64	1/2	1,259.64	1/2	901.00	1/2	542.04	1/2	183.07	1/2		1/2			
3/4	2,329.17	3/4	1,970.17	3/4	1,611.16	3/4	1,252.16	3/4	893.53	3/4	534.56	3/4	175.60	3/4		3/4			
3	2,321.69	3	1,962.69	3	1,603.69	3	1,244.68	3	886.06	3	527.09	3	168.13	3		3			
1/4	2,314.21	1/4	1,955.21	1/4	1,596.21	1/4	1,237.20	1/4	878.59	1/4	519.61	1/4	160.65	1/4		1/4			
1/2	2,306.73	1/2	1,947.73	1/2	1,588.73	1/2	1,229.73	1/2	871.12	1/2	512.13	1/2	153.18	1/2		1/2			
3/4	2,299.25	3/4	1,940.25	3/4	1,581.25	3/4	1,222.25	3/4	863.64	3/4	504.65	3/4	145.72	3/4		3/4			
4	2,291.77	4	1,932.77	4	1,573.77	4	1,214.77	4	856.16	4	497.17	4	138.27	4		4			
1/4	2,284.29	1/4	1,925.29	1/4	1,566.29	1/4	1,207.29	1/4	848.68	1/4	489.69	1/4	130.81	1/4		1/4			
1/2	2,276.81	1/2	1,917.81	1/2	1,558.81	1/2	1,199.81	1/2	841.20	1/2	482.21	1/2	123.35	1/2		1/2			
3/4	2,269.33	3/4	1,910.33	3/4	1,551.33	3/4	1,192.33	3/4	833.72	3/4	474.73	3/4	115.91	3/4		3/4			
5	2,261.85	5	1,902.85	5	1,543.85	5	1,184.85	5	826.24	5	467.25	5	108.47	5		5			
1/4	2,254.38	1/4	1,895.37	1/4	1,536.37	1/4	1,177.37	1/4	818.76	1/4	459.78	1/4	101.02	1/4		1/4			
1/2	2,246.90	1/2	1,887.89	1/2	1,528.89	1/2	1,169.89	1/2	811.28	1/2	452.30	1/2	93.58	1/2		1/2			
3/4	2,239.42	3/4	1,880.42	3/4	1,521.41	3/4	1,162.41	3/4	803.81	3/4	444.82	3/4	86.17	3/4		3/4			
6	2,231.94	6	1,872.94	6	1,513.93	6	1,154.93	6	796.33	6	437.34	6	78.76	6		6			
1/4	2,224.46	1/4	1,865.46	1/4	1,506.46	1/4	1,147.45	1/4	788.85	1/4	429.86	1/4	71.35	1/4		1/4			
1/2	2,216.98	1/2	1,857.98	1/2	1,498.98	1/2	1,139.97	1/2	781.37	1/2	422.38	1/2	63.94	1/2		1/2			
3/4	2,209.50	3/4	1,850.50	3/4	1,491.50	3/4	1,132.50	3/4	773.89	3/4	414.90	3/4	56.99	3/4		3/4			
7	2,202.02	7	1,843.02	7	1,484.02	7	1,125.03	7	766.41	7	407.42	7	50.04	7		7			
1/4	2,194.54	1/4	1,835.54	1/4	1,476.54	1/4	1,117.55	1/4	758.93	1/4	399.94	1/4	43.09	1/4		1/4			
1/2	2,187.06	1/2	1,828.06	1/2	1,469.06	1/2	1,110.08	1/2	751.45	1/2	392.47	1/2	36.14	1/2		1/2			
3/4	2,179.58	3/4	1,820.58	3/4	1,461.58	3/4	1,102.61	3/4	743.97	3/4	384.99	3/4	30.84	3/4		3/4			
8	2,172.10	8	1,813.10	8	1,454.10	8	1,095.14	8	736.50	8	377.51	8	25.55	8		8			
1/4	2,164.63	1/4	1,805.62	1/4	1,446.62	1/4	1,087.68	1/4	729.02	1/4	370.03	1/4	20.26	1/4		1/4			
1/2	2,157.15	1/2	1,798.14	1/2	1,439.14	1/2	1,080.21	1/2	721.54	1/2	362.55	1/2	14.96	1/2		1/2			
3/4	2,149.67	3/4	1,790.67	3/4	1,431.66	3/4	1,072.74	3/4	714.06	3/4	355.07	3/4		3/4		3/4			
9	2,142.19	9	1,783.19	9	1,424.18	9	1,065.28	9	706.58	9	347.59	9		9		9			
1/4	2,134.71	1/4	1,775.71	1/4	1,416.71	1/4	1,057.81	1/4	699.10	1/4	340.11	1/4		1/4		1/4			
1/2	2,127.23	1/2	1,768.23	1/2	1,409.23	1/2	1,050.34	1/2	691.62	1/2	332.63	1/2		1/2		1/2			
3/4	2,119.75	3/4	1,760.75	3/4	1,401.75	3/4	1,042.87	3/4	684.14	3/4	325.16	3/4		3/4		3/4			
10	2,112.27	10	1,753.27	10	1,394.27	10	1,035.41	10	676.66	10	317.68	10		10		10			
1/4	2,104.79	1/4	1,745.79	1/4	1,386.79	1/4	1,027.94	1/4	669.19	1/4	310.20	1/4		1/4		1/4			
1/2	2,097.31	1/2	1,738.31	1/2	1,379.31	1/2	1,020.47	1/2	661.71	1/2	302.72	1/2		1/2		1/2			
3/4	2,089.83	3/4	1,730.83	3/4	1,371.83	3/4	1,013.01	3/4	654.23	3/4	295.24	3/4		3/4		3/4			
11	2,082.35	11	1,723.35	11	1,364.35	11	1,005.54	11	646.75	11	287.76	11		11		11			
1/4	2,074.87	1/4	1,715.87	1/4	1,356.87	1/4	998.07	1/4	639.27	1/4	280.28	1/4		1/4		1/4			
1/2	2,067.40	1/2	1,708.39	1/2	1,349.39	1/2	990.61	1/2	631.79	1/2	272.80	1/2		1/2		1/2			
3/4	2,059.92	3/4	1,700.91	3/4	1,341.91	3/4	983.14	3/4	624.31	3/4	265.32	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/13/2014 CL
CALCULATED: 11/14/2014 CL
PRINTED: 11/14/2014 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 29124"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	4,351.29	0	4,110.75	0	3,864.70	0	3,606.67	0	3,336.96	0	2,985.09	0	2,629.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,346.66	1/4	4,105.75	1/4	3,859.44	1/4	3,601.17	1/4	3,331.26	1/4	2,977.68	1/4	2,621.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,342.03	1/2	4,100.75	1/2	3,854.19	1/2	3,595.67	1/2	3,325.57	1/2	2,970.26	1/2	2,614.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,337.89	3/4	4,095.73	3/4	3,848.92	3/4	3,590.15	3/4	3,318.15	3/4	2,962.85	3/4	2,606.92
1	1	1	1	1	1	1	4,333.74	1	4,090.71	1	3,843.64	1	3,584.62	1	3,310.73	1	2,955.43	1	2,599.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,329.59	1/4	4,085.69	1/4	3,838.37	1/4	3,579.10	1/4	3,303.31	1/4	2,948.02	1/4	2,592.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,325.45	1/2	4,080.67	1/2	3,833.10	1/2	3,573.57	1/2	3,295.90	1/2	2,940.60	1/2	2,584.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,320.10	3/4	4,075.63	3/4	3,827.81	3/4	3,568.03	3/4	3,288.48	3/4	2,933.19	3/4	2,577.26
2	2	2	2	2	2	2	4,314.75	2	4,070.58	2	3,822.52	2	3,562.49	2	3,281.06	2	2,925.77	2	2,569.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,309.40	1/4	4,065.54	1/4	3,817.23	1/4	3,556.94	1/4	3,273.64	1/4	2,918.36	1/4	2,562.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,304.06	1/2	4,060.50	1/2	3,811.94	1/2	3,551.40	1/2	3,266.22	1/2	2,910.94	1/2	2,555.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,298.36	3/4	4,055.44	3/4	3,806.63	3/4	3,545.84	3/4	3,258.80	3/4	2,903.53	3/4	2,547.60
3	3	3	3	3	3	3	4,292.66	3	4,050.37	3	3,801.31	3	3,540.28	3	3,251.39	3	2,896.11	3	2,540.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,286.97	1/4	4,045.31	1/4	3,796.00	1/4	3,534.72	1/4	3,243.97	1/4	2,888.69	1/4	2,532.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,281.27	1/2	4,040.25	1/2	3,790.69	1/2	3,529.16	1/2	3,236.55	1/2	2,881.28	1/2	2,525.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,275.57	3/4	4,035.17	3/4	3,785.35	3/4	3,523.58	3/4	3,229.13	3/4	2,873.86	3/4	2,517.93
4	4	4	4	4	4	4	4,269.88	4	4,030.08	4	3,780.02	4	3,517.99	4	3,221.71	4	2,866.45	4	2,510.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,264.18	1/4	4,025.00	1/4	3,774.69	1/4	3,512.41	1/4	3,214.29	1/4	2,859.03	1/4	2,503.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,258.49	1/2	4,019.91	1/2	3,769.36	1/2	3,506.83	1/2	3,206.88	1/2	2,851.62	1/2	2,495.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,253.63	3/4	4,014.81	3/4	3,764.00	3/4	3,501.22	3/4	3,199.49	3/4	2,844.20	3/4	2,488.27
5	5	5	5	5	5	5	4,248.77	5	4,009.70	5	3,758.65	5	3,495.62	5	3,192.09	5	2,836.79	5	2,480.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,243.92	1/4	4,004.60	1/4	3,753.29	1/4	3,490.02	1/4	3,184.70	1/4	2,829.37	1/4	2,473.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,239.06	1/2	3,999.50	1/2	3,747.93	1/2	3,484.42	1/2	3,177.31	1/2	2,821.96	1/2	2,466.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,234.18	3/4	3,994.37	3/4	3,742.56	3/4	3,478.79	3/4	3,169.92	3/4	2,814.54	3/4	2,458.61
6	6	6	6	6	6	6	4,229.31	6	3,989.24	6	3,737.19	6	3,473.17	6	3,162.53	6	2,807.13	6	2,451.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,224.43	1/4	3,984.11	1/4	3,731.81	1/4	3,467.54	1/4	3,155.14	1/4	2,799.71	1/4	2,443.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,219.56	1/2	3,978.99	1/2	3,726.44	1/2	3,461.91	1/2	3,147.75	1/2	2,792.30	1/2	2,436.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,214.66	3/4	3,973.84	3/4	3,721.04	3/4	3,456.27	3/4	3,140.36	3/4	2,784.88	3/4	2,428.95
7	7	7	7	7	7	7	4,209.76	7	3,968.70	7	3,715.65	7	3,450.62	7	3,132.96	7	2,777.47	7	2,421.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,204.86	1/4	3,963.55	1/4	3,710.25	1/4	3,444.98	1/4	3,125.57	1/4	2,770.05	1/4	2,414.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,199.96	1/2	3,958.41	1/2	3,704.85	1/2	3,439.34	1/2	3,118.18	1/2	2,762.64	1/2	2,406.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,195.04	3/4	3,953.24	3/4	3,699.44	3/4	3,433.67	3/4	3,110.79	3/4	2,755.22	3/4	2,399.29
8	8	8	8	8	8	8	4,190.13	8	3,948.07	8	3,694.02	8	3,428.00	8	3,103.40	8	2,747.81	8	2,391.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,185.21	1/4	3,942.90	1/4	3,688.60	1/4	3,422.33	1/4	3,096.01	1/4	2,740.39	1/4	2,384.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,180.29	1/2	3,937.73	1/2	3,683.19	1/2	3,416.67	1/2	3,088.62	1/2	2,732.98	1/2	2,377.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,175.35	3/4	3,932.54	3/4	3,677.75	3/4	3,410.98	3/4	3,081.23	3/4	2,725.56	3/4	2,369.63
9	9	9	9	9	9	9	4,170.41	9	3,927.35	9	3,672.31	9	3,405.29	9	3,073.83	9	2,718.15	9	2,362.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,165.47	1/4	3,922.16	1/4	3,666.87	1/4	3,399.61	1/4	3,066.44	1/4	2,710.73	1/4	2,354.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,160.53	1/2	3,916.98	1/2	3,661.43	1/2	3,393.92	1/2	3,059.05	1/2	2,703.31	1/2	2,347.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,155.57	3/4	3,911.76	3/4	3,655.97	3/4	3,388.22	3/4	3,051.66	3/4	2,695.90	3/4	2,339.97
10	10	10	10	10	10	10	4,150.61	10	3,906.55	10	3,650.51	10	3,382.53	10	3,044.27	10	2,688.48	10	2,332.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,145.65	1/4	3,901.34	1/4	3,645.06	1/4	3,376.83	1/4	3,036.88	1/4	2,681.07	1/4	2,325.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,140.69	1/2	3,896.13	1/2	3,639.60	1/2	3,371.14	1/2	3,029.49	1/2	2,673.65	1/2	2,317.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,135.71	3/4	3,890.90	3/4	3,634.12	3/4	3,365.44	3/4	3,022.10	3/4	2,666.24	3/4	2,310.30
11	11	11	11	11	11	11	4,130.72	11	3,885.67	11	3,628.63	11	3,359.74	11	3,014.71	11	2,658.82	11	2,302.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,125.74	1/4	3,880.44	1/4	3,623.15	1/4	3,354.05	1/4	3,007.31	1/4	2,651.41	1/4	2,295.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,360.54	1/2	4,120.75	1/2	3,875.21	1/2	3,617.67	1/2	3,348.35	1/2	2,999.92	1/2	2,288.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,355.91	3/4	4,115.75	3/4	3,869.95	3/4	3,612.17	3/4	3,342.66	3/4	2,992.51	3/4	2,280.64

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 29124"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,273.23	0	1,916.85	0	1,561.43	0	1,205.39	0	861.64	0	505.16	0	148.47	0		0			
1/4	2,265.81	1/4	1,909.42	1/4	1,554.03	1/4	1,198.23	1/4	854.23	1/4	497.73	1/4	141.04	1/4		1/4			
1/2	2,258.39	1/2	1,901.99	1/2	1,546.63	1/2	1,191.07	1/2	846.82	1/2	490.30	1/2	133.60	1/2		1/2			
3/4	2,250.98	3/4	1,894.59	3/4	1,539.20	3/4	1,183.90	3/4	839.41	3/4	482.87	3/4	126.17	3/4		3/4			
1	2,243.56	1	1,887.19	1	1,531.77	1	1,176.74	1	832.00	1	475.43	1	118.74	1		1			
1/4	2,236.15	1/4	1,879.78	1/4	1,524.34	1/4	1,169.58	1/4	824.59	1/4	468.00	1/4	111.31	1/4		1/4			
1/2	2,228.73	1/2	1,872.38	1/2	1,516.91	1/2	1,162.42	1/2	817.18	1/2	460.57	1/2	103.88	1/2		1/2			
3/4	2,221.32	3/4	1,864.98	3/4	1,509.48	3/4	1,155.26	3/4	809.77	3/4	453.14	3/4	96.77	3/4		3/4			
2	2,213.90	2	1,857.57	2	1,502.05	2	1,148.09	2	802.36	2	445.71	2	89.65	2		2			
1/4	2,206.48	1/4	1,850.17	1/4	1,494.62	1/4	1,140.93	1/4	794.95	1/4	438.28	1/4	82.53	1/4		1/4			
1/2	2,199.07	1/2	1,842.77	1/2	1,487.19	1/2	1,133.77	1/2	787.54	1/2	430.85	1/2	75.42	1/2		1/2			
3/4	2,191.65	3/4	1,835.36	3/4	1,479.76	3/4	1,126.61	3/4	780.11	3/4	423.42	3/4	69.24	3/4		3/4			
3	2,184.24	3	1,827.96	3	1,472.33	3	1,119.44	3	772.68	3	415.99	3	63.06	3		3			
1/4	2,176.82	1/4	1,820.55	1/4	1,464.90	1/4	1,112.28	1/4	765.25	1/4	408.56	1/4	56.89	1/4		1/4			
1/2	2,169.41	1/2	1,813.15	1/2	1,457.47	1/2	1,105.12	1/2	757.82	1/2	401.12	1/2	50.71	1/2		1/2			
3/4	2,161.99	3/4	1,805.75	3/4	1,450.04	3/4	1,097.96	3/4	750.39	3/4	393.69	3/4	45.79	3/4		3/4			
4	2,154.57	4	1,798.34	4	1,442.61	4	1,090.80	4	742.95	4	386.26	4	40.87	4		4			
1/4	2,147.16	1/4	1,790.94	1/4	1,435.18	1/4	1,083.63	1/4	735.52	1/4	378.83	1/4	35.94	1/4		1/4			
1/2	2,139.74	1/2	1,783.54	1/2	1,427.75	1/2	1,076.47	1/2	728.09	1/2	371.40	1/2	31.02	1/2		1/2			
3/4	2,132.31	3/4	1,776.13	3/4	1,420.32	3/4	1,069.32	3/4	720.66	3/4	363.97	3/4	27.36	3/4		3/4			
5	2,124.88	5	1,768.73	5	1,412.89	5	1,062.18	5	713.23	5	356.54	5	23.70	5		5			
1/4	2,117.45	1/4	1,761.33	1/4	1,405.46	1/4	1,055.03	1/4	705.80	1/4	349.11	1/4	20.04	1/4		1/4			
1/2	2,110.02	1/2	1,753.92	1/2	1,398.03	1/2	1,047.88	1/2	698.37	1/2	341.68	1/2	16.38	1/2		1/2			
3/4	2,102.60	3/4	1,746.52	3/4	1,390.60	3/4	1,040.73	3/4	690.94	3/4	334.24	3/4		3/4		3/4			
6	2,095.17	6	1,739.12	6	1,383.17	6	1,033.58	6	683.51	6	326.81	6		6		6			
1/4	2,087.74	1/4	1,731.71	1/4	1,375.74	1/4	1,026.44	1/4	676.07	1/4	319.38	1/4		1/4		1/4			
1/2	2,080.31	1/2	1,724.31	1/2	1,368.31	1/2	1,019.29	1/2	668.64	1/2	311.95	1/2		1/2		1/2			
3/4	2,072.88	3/4	1,716.91	3/4	1,360.88	3/4	1,012.14	3/4	661.21	3/4	304.52	3/4		3/4		3/4			
7	2,065.45	7	1,709.50	7	1,353.45	7	1,005.00	7	653.78	7	297.09	7		7		7			
1/4	2,058.02	1/4	1,702.10	1/4	1,346.02	1/4	997.85	1/4	646.35	1/4	289.66	1/4		1/4		1/4			
1/2	2,050.59	1/2	1,694.70	1/2	1,338.59	1/2	990.71	1/2	638.92	1/2	282.23	1/2		1/2		1/2			
3/4	2,043.16	3/4	1,687.29	3/4	1,331.16	3/4	983.57	3/4	631.49	3/4	274.80	3/4		3/4		3/4			
8	2,035.73	8	1,679.89	8	1,323.73	8	976.43	8	624.06	8	267.36	8		8		8			
1/4	2,028.30	1/4	1,672.48	1/4	1,316.30	1/4	969.29	1/4	616.63	1/4	259.93	1/4		1/4		1/4			
1/2	2,020.87	1/2	1,665.08	1/2	1,308.87	1/2	962.15	1/2	609.19	1/2	252.50	1/2		1/2		1/2			
3/4	2,013.44	3/4	1,657.68	3/4	1,301.44	3/4	955.01	3/4	601.76	3/4	245.07	3/4		3/4		3/4			
9	2,006.01	9	1,650.27	9	1,294.01	9	947.86	9	594.33	9	237.64	9		9		9			
1/4	1,998.58	1/4	1,642.87	1/4	1,286.58	1/4	940.72	1/4	586.90	1/4	230.21	1/4		1/4		1/4			
1/2	1,991.15	1/2	1,635.47	1/2	1,279.15	1/2	933.58	1/2	579.47	1/2	222.78	1/2		1/2		1/2			
3/4	1,983.72	3/4	1,628.06	3/4	1,271.72	3/4	926.44	3/4	572.04	3/4	215.35	3/4		3/4		3/4			
10	1,976.29	10	1,620.66	10	1,264.29	10	919.30	10	564.61	10	207.92	10		10		10			
1/4	1,968.86	1/4	1,613.26	1/4	1,256.86	1/4	912.16	1/4	557.18	1/4	200.48	1/4		1/4		1/4			
1/2	1,961.43	1/2	1,605.85	1/2	1,249.43	1/2	905.02	1/2	549.75	1/2	193.05	1/2		1/2		1/2			
3/4	1,954.00	3/4	1,598.45	3/4	1,242.00	3/4	897.88	3/4	542.31	3/4	185.62	3/4		3/4		3/4			
11	1,946.57	11	1,591.05	11	1,234.57	11	890.74	11	534.88	11	178.19	11		11		11			
1/4	1,939.14	1/4	1,583.64	1/4	1,227.14	1/4	883.60	1/4	527.45	1/4	170.76	1/4		1/4		1/4			
1/2	1,931.71	1/2	1,576.24	1/2	1,219.71	1/2	876.46	1/2	520.02	1/2	163.33	1/2		1/2		1/2			
3/4	1,924.28	3/4	1,568.84	3/4	1,212.55	3/4	869.05	3/4	512.59	3/4	155.90	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/13/2014 CL
CALCULATED: 11/14/2014 CL
PRINTED: 11/14/2014 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 29124"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	4,388.48	0	4,147.53	0	3,900.83	0	3,642.13	0	3,371.63	0	3,021.26	0	2,664.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,383.83	1/4	4,142.51	1/4	3,895.55	1/4	3,636.60	1/4	3,365.91	1/4	3,013.82	1/4	2,656.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,379.18	1/2	4,137.48	1/2	3,890.28	1/2	3,631.08	1/2	3,360.19	1/2	3,006.38	1/2	2,649.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,374.53	3/4	4,132.46	3/4	3,885.00	3/4	3,625.55	3/4	3,354.47	3/4	2,998.93	3/4	2,641.67
1		1		1		1	4,369.88	1	4,127.43	1	3,879.72	1	3,620.03	1	3,348.75	1	2,991.49	1	2,634.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,365.71	1/4	4,122.39	1/4	3,874.42	1/4	3,614.48	1/4	3,341.31	1/4	2,984.05	1/4	2,626.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,361.54	1/2	4,117.35	1/2	3,869.13	1/2	3,608.93	1/2	3,333.86	1/2	2,976.60	1/2	2,619.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,357.37	3/4	4,112.30	3/4	3,863.83	3/4	3,603.38	3/4	3,326.42	3/4	2,969.16	3/4	2,611.90
2		2		2		2	4,353.20	2	4,107.26	2	3,858.53	2	3,597.83	2	3,318.98	2	2,961.72	2	2,604.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,347.82	1/4	4,102.19	1/4	3,853.22	1/4	3,592.26	1/4	3,311.54	1/4	2,954.28	1/4	2,597.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,342.45	1/2	4,097.12	1/2	3,847.91	1/2	3,586.70	1/2	3,304.09	1/2	2,946.83	1/2	2,589.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,337.08	3/4	4,092.06	3/4	3,842.59	3/4	3,581.13	3/4	3,296.65	3/4	2,939.39	3/4	2,582.13
3		3		3		3	4,331.71	3	4,086.99	3	3,837.28	3	3,575.57	3	3,289.21	3	2,931.95	3	2,574.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,325.99	1/4	4,081.90	1/4	3,831.94	1/4	3,569.98	1/4	3,281.76	1/4	2,924.50	1/4	2,567.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,320.27	1/2	4,076.82	1/2	3,826.60	1/2	3,564.40	1/2	3,274.32	1/2	2,917.06	1/2	2,559.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,314.55	3/4	4,071.73	3/4	3,821.26	3/4	3,558.81	3/4	3,266.88	3/4	2,909.62	3/4	2,552.36
4		4		4		4	4,308.83	4	4,066.65	4	3,815.93	4	3,553.23	4	3,259.44	4	2,902.18	4	2,544.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,303.11	1/4	4,061.54	1/4	3,810.57	1/4	3,547.62	1/4	3,251.99	1/4	2,894.73	1/4	2,537.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,297.38	1/2	4,056.43	1/2	3,805.21	1/2	3,542.01	1/2	3,244.55	1/2	2,887.29	1/2	2,530.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,291.66	3/4	4,051.32	3/4	3,799.86	3/4	3,536.40	3/4	3,237.11	3/4	2,879.85	3/4	2,522.59
5		5		5		5	4,285.94	5	4,046.21	5	3,794.50	5	3,530.79	5	3,229.66	5	2,872.40	5	2,515.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,281.06	1/4	4,041.08	1/4	3,789.12	1/4	3,525.17	1/4	3,222.22	1/4	2,864.96	1/4	2,507.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,276.18	1/2	4,035.96	1/2	3,783.74	1/2	3,519.54	1/2	3,214.78	1/2	2,857.52	1/2	2,500.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,271.30	3/4	4,030.83	3/4	3,778.36	3/4	3,513.91	3/4	3,207.33	3/4	2,850.08	3/4	2,492.82
6		6		6		6	4,266.42	6	4,025.70	6	3,772.98	6	3,508.28	6	3,199.89	6	2,842.63	6	2,485.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,261.52	1/4	4,020.55	1/4	3,767.58	1/4	3,502.63	1/4	3,192.45	1/4	2,835.19	1/4	2,477.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,256.62	1/2	4,015.40	1/2	3,762.18	1/2	3,496.98	1/2	3,185.01	1/2	2,827.75	1/2	2,470.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,251.72	3/4	4,010.25	3/4	3,756.79	3/4	3,491.33	3/4	3,177.56	3/4	2,820.30	3/4	2,463.04
7		7		7		7	4,246.82	7	4,005.10	7	3,751.39	7	3,485.68	7	3,170.12	7	2,812.86	7	2,455.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,241.90	1/4	3,999.93	1/4	3,745.97	1/4	3,480.01	1/4	3,162.68	1/4	2,805.42	1/4	2,448.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,236.98	1/2	3,994.76	1/2	3,740.54	1/2	3,474.34	1/2	3,155.23	1/2	2,797.98	1/2	2,440.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,232.05	3/4	3,989.59	3/4	3,735.12	3/4	3,468.68	3/4	3,147.79	3/4	2,790.53	3/4	2,433.27
8		8		8		8	4,227.13	8	3,984.42	8	3,729.70	8	3,463.01	8	3,140.35	8	2,783.09	8	2,425.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,222.19	1/4	3,979.22	1/4	3,724.26	1/4	3,457.31	1/4	3,132.91	1/4	2,775.65	1/4	2,418.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,217.25	1/2	3,974.03	1/2	3,718.82	1/2	3,451.62	1/2	3,125.46	1/2	2,768.20	1/2	2,410.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,212.31	3/4	3,968.84	3/4	3,713.38	3/4	3,445.93	3/4	3,118.02	3/4	2,760.76	3/4	2,403.50
9		9		9		9	4,207.37	9	3,963.64	9	3,707.94	9	3,440.24	9	3,110.58	9	2,753.32	9	2,396.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,202.40	1/4	3,958.43	1/4	3,702.48	1/4	3,434.53	1/4	3,103.13	1/4	2,745.88	1/4	2,388.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,197.43	1/2	3,953.22	1/2	3,697.01	1/2	3,428.82	1/2	3,095.69	1/2	2,738.43	1/2	2,381.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,192.47	3/4	3,948.01	3/4	3,691.55	3/4	3,423.10	3/4	3,088.25	3/4	2,730.99	3/4	2,373.73
10		10		10		10	4,187.50	10	3,942.79	10	3,686.08	10	3,417.39	10	3,080.81	10	2,723.55	10	2,366.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,182.52	1/4	3,937.56	1/4	3,680.60	1/4	3,411.67	1/4	3,073.36	1/4	2,716.10	1/4	2,358.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,177.54	1/2	3,932.32	1/2	3,675.12	1/2	3,405.95	1/2	3,065.92	1/2	2,708.66	1/2	2,351.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,172.55	3/4	3,927.09	3/4	3,669.64	3/4	3,400.23	3/4	3,058.48	3/4	2,701.22	3/4	2,343.96
11		11		11		11	4,167.57	11	3,921.85	11	3,664.15	11	3,394.51	11	3,051.03	11	2,693.77	11	2,336.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,162.56	1/4	3,916.59	1/4	3,658.65	1/4	3,388.79	1/4	3,043.59	1/4	2,686.33	1/4	2,329.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,157.55	1/2	3,911.34	1/2	3,653.14	1/2	3,383.07	1/2	3,036.15	1/2	2,678.89	1/2	2,321.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,152.54	3/4	3,906.09	3/4	3,647.63	3/4	3,377.35	3/4	3,028.71	3/4	2,671.45	3/4	2,314.19

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'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29124"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	2,306.74	0	1,949.48	0	1,592.23	0	1,234.97	0	877.95	0	520.85	0	163.60	0		0		0	
1/4	2,299.30	1/4	1,942.04	1/4	1,584.78	1/4	1,227.52	1/4	870.52	1/4	513.40	1/4	156.15	1/4		1/4		1/4	
1/2	2,291.86	1/2	1,934.60	1/2	1,577.34	1/2	1,220.08	1/2	863.09	1/2	505.96	1/2	148.71	1/2		1/2		1/2	
3/4	2,284.42	3/4	1,927.16	3/4	1,569.90	3/4	1,212.64	3/4	855.66	3/4	498.52	3/4	141.27	3/4		3/4		3/4	
1	2,276.97	1	1,919.71	1	1,562.45	1	1,205.19	1	848.23	1	491.07	1	133.83	1		1		1	
1/4	2,269.53	1/4	1,912.27	1/4	1,555.01	1/4	1,197.75	1/4	840.80	1/4	483.63	1/4	126.38	1/4		1/4		1/4	
1/2	2,262.09	1/2	1,904.83	1/2	1,547.57	1/2	1,190.31	1/2	833.37	1/2	476.19	1/2	118.94	1/2		1/2		1/2	
3/4	2,254.64	3/4	1,897.38	3/4	1,540.13	3/4	1,182.87	3/4	825.94	3/4	468.75	3/4	111.50	3/4		3/4		3/4	
2	2,247.20	2	1,889.94	2	1,532.68	2	1,175.42	2	818.51	2	461.30	2	104.06	2		2		2	
1/4	2,239.76	1/4	1,882.50	1/4	1,525.24	1/4	1,167.98	1/4	811.07	1/4	453.86	1/4	96.93	1/4		1/4		1/4	
1/2	2,232.31	1/2	1,875.06	1/2	1,517.80	1/2	1,160.54	1/2	803.64	1/2	446.42	1/2	89.80	1/2		1/2		1/2	
3/4	2,224.87	3/4	1,867.61	3/4	1,510.35	3/4	1,153.09	3/4	796.21	3/4	438.98	3/4	82.67	3/4		3/4		3/4	
3	2,217.43	3	1,860.17	3	1,502.91	3	1,145.65	3	788.78	3	431.53	3	75.55	3		3		3	
1/4	2,209.99	1/4	1,852.73	1/4	1,495.47	1/4	1,138.21	1/4	781.34	1/4	424.09	1/4	69.36	1/4		1/4		1/4	
1/2	2,202.54	1/2	1,845.28	1/2	1,488.02	1/2	1,130.77	1/2	773.90	1/2	416.65	1/2	63.17	1/2		1/2		1/2	
3/4	2,195.10	3/4	1,837.84	3/4	1,480.58	3/4	1,123.32	3/4	766.45	3/4	409.21	3/4	56.98	3/4		3/4		3/4	
4	2,187.66	4	1,830.40	4	1,473.14	4	1,115.88	4	759.01	4	401.76	4	50.79	4		4		4	
1/4	2,180.21	1/4	1,822.96	1/4	1,465.70	1/4	1,108.44	1/4	751.57	1/4	394.32	1/4	45.86	1/4		1/4		1/4	
1/2	2,172.77	1/2	1,815.51	1/2	1,458.25	1/2	1,100.99	1/2	744.13	1/2	386.88	1/2	40.92	1/2		1/2		1/2	
3/4	2,165.33	3/4	1,808.07	3/4	1,450.81	3/4	1,093.55	3/4	736.68	3/4	379.43	3/4	35.99	3/4		3/4		3/4	
5	2,157.89	5	1,800.63	5	1,443.37	5	1,086.11	5	729.24	5	371.99	5	31.06	5		5		5	
1/4	2,150.44	1/4	1,793.18	1/4	1,435.92	1/4	1,078.67	1/4	721.80	1/4	364.55	1/4	27.39	1/4		1/4		1/4	
1/2	2,143.00	1/2	1,785.74	1/2	1,428.48	1/2	1,071.22	1/2	714.36	1/2	357.11	1/2	23.72	1/2		1/2		1/2	
3/4	2,135.56	3/4	1,778.30	3/4	1,421.04	3/4	1,063.78	3/4	706.91	3/4	349.66	3/4	20.05	3/4		3/4		3/4	
6	2,128.11	6	1,770.86	6	1,413.60	6	1,056.34	6	699.47	6	342.22	6	16.38	6		6		6	
1/4	2,120.67	1/4	1,763.41	1/4	1,406.15	1/4	1,048.89	1/4	692.03	1/4	334.78	1/4		1/4		1/4		1/4	
1/2	2,113.23	1/2	1,755.97	1/2	1,398.71	1/2	1,041.45	1/2	684.58	1/2	327.34	1/2		1/2		1/2		1/2	
3/4	2,105.79	3/4	1,748.53	3/4	1,391.27	3/4	1,034.01	3/4	677.14	3/4	319.89	3/4		3/4		3/4		3/4	
7	2,098.34	7	1,741.08	7	1,383.82	7	1,026.57	7	669.70	7	312.45	7		7		7		7	
1/4	2,090.90	1/4	1,733.64	1/4	1,376.38	1/4	1,019.13	1/4	662.26	1/4	305.01	1/4		1/4		1/4		1/4	
1/2	2,083.46	1/2	1,726.20	1/2	1,368.94	1/2	1,011.70	1/2	654.81	1/2	297.56	1/2		1/2		1/2		1/2	
3/4	2,076.01	3/4	1,718.75	3/4	1,361.50	3/4	1,004.27	3/4	647.37	3/4	290.12	3/4		3/4		3/4		3/4	
8	2,068.57	8	1,711.31	8	1,354.05	8	996.84	8	639.93	8	282.68	8		8		8		8	
1/4	2,061.13	1/4	1,703.87	1/4	1,346.61	1/4	989.41	1/4	632.49	1/4	275.24	1/4		1/4		1/4		1/4	
1/2	2,053.69	1/2	1,696.43	1/2	1,339.17	1/2	981.98	1/2	625.04	1/2	267.79	1/2		1/2		1/2		1/2	
3/4	2,046.24	3/4	1,688.98	3/4	1,331.72	3/4	974.55	3/4	617.60	3/4	260.35	3/4		3/4		3/4		3/4	
9	2,038.80	9	1,681.54	9	1,324.28	9	967.12	9	610.16	9	252.91	9		9		9		9	
1/4	2,031.36	1/4	1,674.10	1/4	1,316.84	1/4	959.69	1/4	602.72	1/4	245.47	1/4		1/4		1/4		1/4	
1/2	2,023.91	1/2	1,666.65	1/2	1,309.40	1/2	952.26	1/2	595.27	1/2	238.02	1/2		1/2		1/2		1/2	
3/4	2,016.47	3/4	1,659.21	3/4	1,301.95	3/4	944.83	3/4	587.83	3/4	230.58	3/4		3/4		3/4		3/4	
10	2,009.03	10	1,651.77	10	1,294.51	10	937.40	10	580.39	10	223.14	10		10		10		10	
1/4	2,001.59	1/4	1,644.33	1/4	1,287.07	1/4	929.97	1/4	572.94	1/4	215.69	1/4		1/4		1/4		1/4	
1/2	1,994.14	1/2	1,636.88	1/2	1,279.62	1/2	922.54	1/2	565.50	1/2	208.25	1/2		1/2		1/2		1/2	
3/4	1,986.70	3/4	1,629.44	3/4	1,272.18	3/4	915.10	3/4	558.06	3/4	200.81	3/4		3/4		3/4		3/4	
11	1,979.26	11	1,622.00	11	1,264.74	11	907.67	11	550.62	11	193.37	11		11		11		11	
1/4	1,971.81	1/4	1,614.55	1/4	1,257.30	1/4	900.24	1/4	543.17	1/4	185.92	1/4		1/4		1/4		1/4	
1/2	1,964.37	1/2	1,607.11	1/2	1,249.85	1/2	892.81	1/2	535.73	1/2	178.48	1/2		1/2		1/2		1/2	
3/4	1,956.93	3/4	1,599.67	3/4	1,242.41	3/4	885.38	3/4	528.29	3/4	171.04	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/13/2014 CL
CALCULATED: 11/14/2014 CL
PRINTED: 11/14/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

PRECISION MEASUREMENT
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