



BARGE "KIRBY 29129"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8
1 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8
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 - 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

January 8, 2015

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29129"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	4,941.21	0	4,606.07	0	4,266.64	0	3,910.74	0	3,539.07	0	3,163.02	0	2,785.50
1/4		1/4		1/4		1/4	4,934.54	1/4	4,599.16	1/4	4,259.38	1/4	3,903.14	1/4	3,531.24	1/4	3,155.16	1/4	2,777.64
1/2		1/2		1/2		1/2	4,927.87	1/2	4,592.25	1/2	4,252.13	1/2	3,895.53	1/2	3,523.41	1/2	3,147.29	1/2	2,769.77
3/4		3/4		3/4		3/4	4,921.20	3/4	4,585.33	3/4	4,244.87	3/4	3,887.93	3/4	3,515.58	3/4	3,139.43	3/4	2,761.91
1	1	1	1	1	1	1	4,914.54	1	4,578.42	1	4,237.62	1	3,880.33	1	3,507.75	1	3,131.56	1	2,754.04
1/4		1/4		1/4		1/4	4,906.94	1/4	4,571.48	1/4	4,230.33	1/4	3,872.70	1/4	3,499.92	1/4	3,123.70	1/4	2,746.18
1/2		1/2		1/2		1/2	4,899.33	1/2	4,564.54	1/2	4,223.05	1/2	3,865.07	1/2	3,492.09	1/2	3,115.83	1/2	2,738.31
3/4		3/4		3/4		3/4	4,891.73	3/4	4,557.60	3/4	4,215.76	3/4	3,857.44	3/4	3,484.26	3/4	3,107.97	3/4	2,730.45
2	2	2	2	2	2	2	4,884.13	2	4,550.66	2	4,208.48	2	3,849.81	2	3,476.43	2	3,100.10	2	2,722.58
1/4		1/4		1/4		1/4	4,876.30	1/4	4,543.69	1/4	4,201.17	1/4	3,842.16	1/4	3,468.60	1/4	3,092.24	1/4	2,714.72
1/2		1/2		1/2		1/2	4,868.47	1/2	4,536.72	1/2	4,193.85	1/2	3,834.50	1/2	3,460.77	1/2	3,084.37	1/2	2,706.85
3/4		3/4		3/4		3/4	4,860.64	3/4	4,529.75	3/4	4,186.54	3/4	3,826.85	3/4	3,452.94	3/4	3,076.51	3/4	2,698.99
3	3	3	3	3	3	3	4,852.81	3	4,522.78	3	4,179.23	3	3,819.19	3	3,445.11	3	3,068.64	3	2,691.12
1/4		1/4		1/4		1/4	4,845.41	1/4	4,515.78	1/4	4,171.88	1/4	3,811.50	1/4	3,437.28	1/4	3,060.78	1/4	2,683.26
1/2		1/2		1/2		1/2	4,838.02	1/2	4,508.78	1/2	4,164.54	1/2	3,803.82	1/2	3,429.45	1/2	3,052.91	1/2	2,675.39
3/4		3/4		3/4		3/4	4,830.62	3/4	4,501.78	3/4	4,157.20	3/4	3,796.13	3/4	3,421.62	3/4	3,045.05	3/4	2,667.53
4	4	4	4	4	4	4	4,823.22	4	4,494.78	4	4,149.86	4	3,788.45	4	3,413.79	4	3,037.18	4	2,659.66
1/4		1/4		1/4		1/4	4,816.54	1/4	4,487.76	1/4	4,142.49	1/4	3,780.73	1/4	3,405.96	1/4	3,029.32	1/4	2,651.80
1/2		1/2		1/2		1/2	4,809.85	1/2	4,480.73	1/2	4,135.12	1/2	3,773.02	1/2	3,398.13	1/2	3,021.45	1/2	2,643.93
3/4		3/4		3/4		3/4	4,803.17	3/4	4,473.70	3/4	4,127.75	3/4	3,765.30	3/4	3,390.30	3/4	3,013.59	3/4	2,636.07
5	5	5	5	5	5	5	4,796.48	5	4,466.67	5	4,120.37	5	3,757.59	5	3,382.47	5	3,005.72	5	2,628.20
1/4		1/4		1/4		1/4	4,789.77	1/4	4,459.62	1/4	4,112.97	1/4	3,749.85	1/4	3,374.64	1/4	2,997.86	1/4	2,620.34
1/2		1/2		1/2		1/2	4,783.06	1/2	4,452.56	1/2	4,105.58	1/2	3,742.10	1/2	3,366.81	1/2	2,989.99	1/2	2,612.47
3/4		3/4		3/4		3/4	4,776.34	3/4	4,445.50	3/4	4,098.18	3/4	3,734.36	3/4	3,358.98	3/4	2,982.13	3/4	2,604.61
6	6	6	6	6	6	6	4,769.63	6	4,438.45	6	4,090.78	6	3,726.62	6	3,351.15	6	2,974.26	6	2,596.74
1/4		1/4		1/4		1/4	4,762.89	1/4	4,431.36	1/4	4,083.35	1/4	3,718.85	1/4	3,343.32	1/4	2,966.40	1/4	2,588.88
1/2		1/2		1/2		1/2	4,756.14	1/2	4,424.27	1/2	4,075.92	1/2	3,711.07	1/2	3,335.49	1/2	2,958.53	1/2	2,581.01
3/4		3/4		3/4		3/4	4,749.40	3/4	4,417.19	3/4	4,068.49	3/4	3,703.30	3/4	3,327.66	3/4	2,950.67	3/4	2,573.15
7	7	7	7	7	7	7	4,742.66	7	4,410.10	7	4,061.06	7	3,695.53	7	3,319.83	7	2,942.80	7	2,565.28
1/4		1/4		1/4		1/4	4,735.88	1/4	4,402.99	1/4	4,053.60	1/4	3,687.73	1/4	3,312.00	1/4	2,934.94	1/4	2,557.42
1/2		1/2		1/2		1/2	4,729.11	1/2	4,395.87	1/2	4,046.15	1/2	3,679.93	1/2	3,304.17	1/2	2,927.07	1/2	2,549.55
3/4		3/4		3/4		3/4	4,722.34	3/4	4,388.76	3/4	4,038.69	3/4	3,672.13	3/4	3,296.34	3/4	2,919.21	3/4	2,541.69
8	8	8	8	8	8	8	4,715.57	8	4,381.64	8	4,031.23	8	3,664.33	8	3,288.51	8	2,911.34	8	2,533.82
1/4		1/4		1/4		1/4	4,708.77	1/4	4,374.50	1/4	4,023.74	1/4	3,656.50	1/4	3,280.68	1/4	2,903.48	1/4	2,525.96
1/2		1/2		1/2		1/2	4,701.97	1/2	4,367.36	1/2	4,016.26	1/2	3,648.68	1/2	3,272.85	1/2	2,895.61	1/2	2,518.09
3/4		3/4		3/4		3/4	4,695.17	3/4	4,360.21	3/4	4,008.77	3/4	3,640.86	3/4	3,265.02	3/4	2,887.75	3/4	2,510.23
9	9	9	9	9	9	9	4,688.36	9	4,353.07	9	4,001.28	9	3,633.04	9	3,257.19	9	2,879.88	9	2,502.36
1/4		1/4		1/4		1/4	4,681.53	1/4	4,345.89	1/4	3,993.77	1/4	3,625.21	1/4	3,249.36	1/4	2,872.02	1/4	2,494.50
1/2		1/2		1/2		1/2	4,674.70	1/2	4,338.72	1/2	3,986.25	1/2	3,617.38	1/2	3,241.53	1/2	2,864.15	1/2	2,486.63
3/4		3/4		3/4		3/4	4,667.87	3/4	4,331.55	3/4	3,978.73	3/4	3,609.55	3/4	3,233.70	3/4	2,856.29	3/4	2,478.77
10	10	10	10	10	10	10	4,661.05	10	4,324.37	10	3,971.22	10	3,601.72	10	3,225.87	10	2,848.42	10	2,470.90
1/4		1/4		1/4		1/4	4,654.19	1/4	4,317.17	1/4	3,963.67	1/4	3,593.89	1/4	3,218.02	1/4	2,840.56	1/4	2,463.04
1/2		1/2		1/2		1/2	4,647.33	1/2	4,309.97	1/2	3,956.13	1/2	3,586.05	1/2	3,210.17	1/2	2,832.69	1/2	2,455.17
3/4		3/4		3/4		3/4	4,640.47	3/4	4,302.77	3/4	3,948.58	3/4	3,578.22	3/4	3,202.33	3/4	2,824.83	3/4	2,447.31
11	11	11	11	11	11	11	4,633.60	11	4,295.57	11	3,941.04	11	3,570.39	11	3,194.48	11	2,816.96	11	2,439.44
1/4		1/4		1/4		1/4	4,626.72	1/4	4,288.34	1/4	3,933.46	1/4	3,562.56	1/4	3,186.62	1/4	2,809.10	1/4	2,431.58
1/2		1/2		1/2		1/2	4,951.96	1/2	4,619.84	1/2	4,281.10	1/2	3,925.89	1/2	3,554.73	1/2	3,178.75	1/2	2,423.71
3/4		3/4		3/4		3/4	4,946.58	3/4	4,612.95	3/4	4,273.87	3/4	3,918.32	3/4	3,546.90	3/4	3,170.89	3/4	2,415.85

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

PEARLAND MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 29129"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,407.98	0	2,030.46	0	1,652.94	0	1,276.86	0	900.06	0	522.59	0	175.96	0		0		0	
1/4	2,400.12	1/4	2,022.60	1/4	1,645.08	1/4	1,269.04	1/4	892.19	1/4	514.78	1/4	169.45	1/4		1/4		1/4	
1/2	2,392.25	1/2	2,014.73	1/2	1,637.21	1/2	1,261.23	1/2	884.33	1/2	506.98	1/2	162.94	1/2		1/2		1/2	
3/4	2,384.39	3/4	2,006.87	3/4	1,629.35	3/4	1,253.41	3/4	876.46	3/4	499.17	3/4	156.43	3/4		3/4		3/4	
1	2,376.52	1	1,999.00	1	1,621.48	1	1,245.60	1	868.60	1	491.36	1	149.92	1	1	1	1	1	1
1/4	2,368.66	1/4	1,991.14	1/4	1,613.62	1/4	1,237.78	1/4	860.73	1/4	483.65	1/4	143.53	1/4		1/4		1/4	
1/2	2,360.79	1/2	1,983.27	1/2	1,605.75	1/2	1,229.96	1/2	852.87	1/2	475.93	1/2	137.13	1/2		1/2		1/2	
3/4	2,352.93	3/4	1,975.41	3/4	1,597.89	3/4	1,222.15	3/4	845.00	3/4	468.22	3/4	130.74	3/4		3/4		3/4	
2	2,345.06	2	1,967.54	2	1,590.02	2	1,214.33	2	837.14	2	460.50	2	124.34	2	2	2	2	2	2
1/4	2,337.20	1/4	1,959.68	1/4	1,582.16	1/4	1,206.52	1/4	829.28	1/4	452.90	1/4	118.07	1/4		1/4		1/4	
1/2	2,329.33	1/2	1,951.81	1/2	1,574.29	1/2	1,198.70	1/2	821.41	1/2	445.29	1/2	111.79	1/2		1/2		1/2	
3/4	2,321.47	3/4	1,943.95	3/4	1,566.43	3/4	1,190.89	3/4	813.55	3/4	437.69	3/4	105.52	3/4		3/4		3/4	
3	2,313.60	3	1,936.08	3	1,558.56	3	1,183.07	3	805.68	3	430.08	3	99.25	3	3	3	3	3	3
1/4	2,305.74	1/4	1,928.22	1/4	1,550.71	1/4	1,175.24	1/4	797.82	1/4	422.59	1/4	93.10	1/4		1/4		1/4	
1/2	2,297.87	1/2	1,920.35	1/2	1,542.85	1/2	1,167.40	1/2	789.95	1/2	415.09	1/2	86.96	1/2		1/2		1/2	
3/4	2,290.01	3/4	1,912.49	3/4	1,535.00	3/4	1,159.57	3/4	782.09	3/4	407.59	3/4	80.81	3/4		3/4		3/4	
4	2,282.14	4	1,904.62	4	1,527.15	4	1,151.73	4	774.22	4	400.10	4	74.67	4	4	4	4	4	4
1/4	2,274.28	1/4	1,896.76	1/4	1,519.31	1/4	1,143.87	1/4	766.36	1/4	392.71	1/4	68.66	1/4		1/4		1/4	
1/2	2,266.41	1/2	1,888.89	1/2	1,511.48	1/2	1,136.00	1/2	758.49	1/2	385.32	1/2	62.66	1/2		1/2		1/2	
3/4	2,258.55	3/4	1,881.03	3/4	1,503.64	3/4	1,128.14	3/4	750.63	3/4	377.94	3/4	56.66	3/4		3/4		3/4	
5	2,250.68	5	1,873.16	5	1,495.80	5	1,120.27	5	742.76	5	370.55	5	50.65	5	5	5	5	5	5
1/4	2,242.82	1/4	1,865.30	1/4	1,487.97	1/4	1,112.41	1/4	734.90	1/4	363.27	1/4	45.24	1/4		1/4		1/4	
1/2	2,234.95	1/2	1,857.43	1/2	1,480.14	1/2	1,104.54	1/2	727.03	1/2	356.00	1/2	39.83	1/2		1/2		1/2	
3/4	2,227.09	3/4	1,849.57	3/4	1,472.31	3/4	1,096.68	3/4	719.17	3/4	348.72	3/4	34.42	3/4		3/4		3/4	
6	2,219.22	6	1,841.70	6	1,464.48	6	1,088.81	6	711.30	6	341.44	6	29.01	6	6	6	6	6	6
1/4	2,211.36	1/4	1,833.84	1/4	1,456.66	1/4	1,080.95	1/4	703.44	1/4	334.27	1/4	25.05	1/4		1/4		1/4	
1/2	2,203.49	1/2	1,825.97	1/2	1,448.84	1/2	1,073.08	1/2	695.57	1/2	327.10	1/2	21.09	1/2		1/2		1/2	
3/4	2,195.63	3/4	1,818.11	3/4	1,441.01	3/4	1,065.22	3/4	687.71	3/4	319.94	3/4	17.13	3/4		3/4		3/4	
7	2,187.76	7	1,810.24	7	1,433.19	7	1,057.35	7	679.84	7	312.77	7	13.17	7	7	7	7	7	7
1/4	2,179.90	1/4	1,802.38	1/4	1,425.37	1/4	1,049.49	1/4	671.98	1/4	305.71	1/4		1/4		1/4		1/4	
1/2	2,172.03	1/2	1,794.51	1/2	1,417.55	1/2	1,041.62	1/2	664.11	1/2	298.65	1/2		1/2		1/2		1/2	
3/4	2,164.17	3/4	1,786.65	3/4	1,409.73	3/4	1,033.76	3/4	656.25	3/4	291.59	3/4		3/4		3/4		3/4	
8	2,156.30	8	1,778.78	8	1,401.91	8	1,025.90	8	648.38	8	284.53	8	8	8	8	8	8	8	8
1/4	2,148.44	1/4	1,770.92	1/4	1,394.09	1/4	1,018.03	1/4	640.52	1/4	277.58	1/4		1/4		1/4		1/4	
1/2	2,140.57	1/2	1,763.05	1/2	1,386.28	1/2	1,010.17	1/2	632.66	1/2	270.63	1/2		1/2		1/2		1/2	
3/4	2,132.71	3/4	1,755.19	3/4	1,378.46	3/4	1,002.30	3/4	624.79	3/4	263.68	3/4		3/4		3/4		3/4	
9	2,124.84	9	1,747.32	9	1,370.65	9	994.44	9	616.93	9	256.73	9	9	9	9	9	9	9	9
1/4	2,116.98	1/4	1,739.46	1/4	1,362.83	1/4	986.57	1/4	609.06	1/4	249.89	1/4		1/4		1/4		1/4	
1/2	2,109.11	1/2	1,731.59	1/2	1,355.02	1/2	978.71	1/2	601.20	1/2	243.05	1/2		1/2		1/2		1/2	
3/4	2,101.25	3/4	1,723.73	3/4	1,347.20	3/4	970.84	3/4	593.33	3/4	236.21	3/4		3/4		3/4		3/4	
10	2,093.38	10	1,715.86	10	1,339.38	10	962.98	10	585.47	10	229.37	10	10	10	10	10	10	10	10
1/4	2,085.52	1/4	1,708.00	1/4	1,331.57	1/4	955.11	1/4	577.60	1/4	222.64	1/4		1/4		1/4		1/4	
1/2	2,077.65	1/2	1,700.13	1/2	1,323.75	1/2	947.25	1/2	569.74	1/2	215.91	1/2		1/2		1/2		1/2	
3/4	2,069.79	3/4	1,692.27	3/4	1,315.94	3/4	939.38	3/4	561.87	3/4	209.18	3/4		3/4		3/4		3/4	
11	2,061.92	11	1,684.40	11	1,308.12	11	931.52	11	554.01	11	202.45	11	11	11	11	11	11	11	11
1/4	2,054.06	1/4	1,676.54	1/4	1,300.31	1/4	923.65	1/4	546.15	1/4	195.83	1/4		1/4		1/4		1/4	
1/2	2,046.19	1/2	1,668.67	1/2	1,292.49	1/2	915.79	1/2	538.30	1/2	189.20	1/2		1/2		1/2		1/2	
3/4	2,038.33	3/4	1,660.81	3/4	1,284.67	3/4	907.92	3/4	530.44	3/4	182.58	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/15/2015 CL
CALCULATED: 01/15/2015 CL
PRINTED: 01/15/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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



BARGE "KIRBY 29129"

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		0	4,629.03	0	4,290.60	0	3,935.69	0	3,564.75	0	3,188.75	0	2,811.19
1/4		1/4		1/4		1/4	4,954.30	1/4	4,622.14	1/4	4,283.37	1/4	3,928.11	1/4	3,556.92	1/4	3,180.89	1/4	2,803.33
1/2		1/2		1/2		1/2	4,948.92	1/2	4,615.26	1/2	4,276.14	1/2	3,920.54	1/2	3,549.09	1/2	3,173.02	1/2	2,795.46
3/4		3/4		3/4		3/4	4,943.55	3/4	4,608.37	3/4	4,268.90	3/4	3,912.96	3/4	3,541.25	3/4	3,165.16	3/4	2,787.59
1		1		1		1	4,936.88	1	4,601.46	1	4,261.65	1	3,905.36	1	3,533.42	1	3,157.29	1	2,779.73
1/4		1/4		1/4		1/4	4,930.21	1/4	4,594.55	1/4	4,254.39	1/4	3,897.75	1/4	3,525.59	1/4	3,149.42	1/4	2,771.86
1/2		1/2		1/2		1/2	4,923.54	1/2	4,587.63	1/2	4,247.13	1/2	3,890.15	1/2	3,517.76	1/2	3,141.56	1/2	2,764.00
3/4		3/4		3/4		3/4	4,916.87	3/4	4,580.72	3/4	4,239.88	3/4	3,882.54	3/4	3,509.93	3/4	3,133.69	3/4	2,756.13
2		2		2		2	4,909.27	2	4,573.78	2	4,232.59	2	3,874.92	2	3,502.10	2	3,125.83	2	2,748.26
1/4		1/4		1/4		1/4	4,901.67	1/4	4,566.84	1/4	4,225.31	1/4	3,867.29	1/4	3,494.27	1/4	3,117.96	1/4	2,740.40
1/2		1/2		1/2		1/2	4,894.07	1/2	4,559.90	1/2	4,218.02	1/2	3,859.66	1/2	3,486.44	1/2	3,110.10	1/2	2,732.53
3/4		3/4		3/4		3/4	4,886.47	3/4	4,552.95	3/4	4,210.74	3/4	3,852.03	3/4	3,478.61	3/4	3,102.23	3/4	2,724.67
3		3		3		3	4,878.64	3	4,545.98	3	4,203.42	3	3,844.37	3	3,470.77	3	3,094.36	3	2,716.80
1/4		1/4		1/4		1/4	4,870.80	1/4	4,539.01	1/4	4,196.11	1/4	3,836.72	1/4	3,462.94	1/4	3,086.50	1/4	2,708.93
1/2		1/2		1/2		1/2	4,862.97	1/2	4,532.04	1/2	4,188.79	1/2	3,829.06	1/2	3,455.11	1/2	3,078.63	1/2	2,701.07
3/4		3/4		3/4		3/4	4,855.14	3/4	4,525.07	3/4	4,181.48	3/4	3,821.40	3/4	3,447.28	3/4	3,070.77	3/4	2,693.20
4		4		4		4	4,847.74	4	4,518.07	4	4,174.14	4	3,813.71	4	3,439.45	4	3,062.90	4	2,685.34
1/4		1/4		1/4		1/4	4,840.35	1/4	4,511.07	1/4	4,166.79	1/4	3,806.03	1/4	3,431.62	1/4	3,055.03	1/4	2,677.47
1/2		1/2		1/2		1/2	4,832.95	1/2	4,504.07	1/2	4,159.45	1/2	3,798.34	1/2	3,423.79	1/2	3,047.17	1/2	2,669.60
3/4		3/4		3/4		3/4	4,825.55	3/4	4,497.07	3/4	4,152.11	3/4	3,790.65	3/4	3,415.96	3/4	3,039.30	3/4	2,661.74
5		5		5		5	4,818.86	5	4,490.04	5	4,144.74	5	3,782.94	5	3,408.13	5	3,031.44	5	2,653.87
1/4		1/4		1/4		1/4	4,812.18	1/4	4,483.02	1/4	4,137.36	1/4	3,775.23	1/4	3,400.29	1/4	3,023.57	1/4	2,646.01
1/2		1/2		1/2		1/2	4,805.49	1/2	4,475.99	1/2	4,129.99	1/2	3,767.51	1/2	3,392.46	1/2	3,015.70	1/2	2,638.14
3/4		3/4		3/4		3/4	4,798.81	3/4	4,468.96	3/4	4,122.62	3/4	3,759.80	3/4	3,384.63	3/4	3,007.84	3/4	2,630.28
6		6		6		6	4,792.09	6	4,461.90	6	4,115.22	6	3,752.05	6	3,376.80	6	2,999.97	6	2,622.41
1/4		1/4		1/4		1/4	4,785.38	1/4	4,454.84	1/4	4,107.82	1/4	3,744.31	1/4	3,368.97	1/4	2,992.11	1/4	2,614.54
1/2		1/2		1/2		1/2	4,778.66	1/2	4,447.79	1/2	4,100.42	1/2	3,736.56	1/2	3,361.14	1/2	2,984.24	1/2	2,606.68
3/4		3/4		3/4		3/4	4,771.95	3/4	4,440.73	3/4	4,093.02	3/4	3,728.82	3/4	3,353.31	3/4	2,976.37	3/4	2,598.81
7		7		7		7	4,765.21	7	4,433.64	7	4,085.59	7	3,721.05	7	3,345.48	7	2,968.51	7	2,590.95
1/4		1/4		1/4		1/4	4,758.46	1/4	4,426.56	1/4	4,078.16	1/4	3,713.27	1/4	3,337.65	1/4	2,960.64	1/4	2,583.08
1/2		1/2		1/2		1/2	4,751.72	1/2	4,419.47	1/2	4,070.73	1/2	3,705.50	1/2	3,329.81	1/2	2,952.78	1/2	2,575.21
3/4		3/4		3/4		3/4	4,744.97	3/4	4,412.38	3/4	4,063.30	3/4	3,697.73	3/4	3,321.98	3/4	2,944.91	3/4	2,567.35
8		8		8		8	4,738.20	8	4,405.27	8	4,055.84	8	3,689.93	8	3,314.15	8	2,937.05	8	2,559.48
1/4		1/4		1/4		1/4	4,731.43	1/4	4,398.15	1/4	4,048.38	1/4	3,682.12	1/4	3,306.32	1/4	2,929.18	1/4	2,551.62
1/2		1/2		1/2		1/2	4,724.66	1/2	4,391.04	1/2	4,040.93	1/2	3,674.32	1/2	3,298.49	1/2	2,921.31	1/2	2,543.75
3/4		3/4		3/4		3/4	4,717.88	3/4	4,383.92	3/4	4,033.47	3/4	3,666.52	3/4	3,290.66	3/4	2,913.45	3/4	2,535.88
9		9		9		9	4,711.08	9	4,376.77	9	4,025.98	9	3,658.70	9	3,282.83	9	2,905.58	9	2,528.02
1/4		1/4		1/4		1/4	4,704.28	1/4	4,369.63	1/4	4,018.49	1/4	3,650.87	1/4	3,275.00	1/4	2,897.72	1/4	2,520.15
1/2		1/2		1/2		1/2	4,697.48	1/2	4,362.49	1/2	4,011.00	1/2	3,643.05	1/2	3,267.17	1/2	2,889.85	1/2	2,512.29
3/4		3/4		3/4		3/4	4,690.67	3/4	4,355.34	3/4	4,003.51	3/4	3,635.23	3/4	3,259.33	3/4	2,881.98	3/4	2,504.42
10		10		10		10	4,683.84	10	4,348.17	10	3,996.00	10	3,627.40	10	3,251.50	10	2,874.12	10	2,496.55
1/4		1/4		1/4		1/4	4,677.01	1/4	4,340.99	1/4	3,988.48	1/4	3,619.57	1/4	3,243.67	1/4	2,866.25	1/4	2,488.69
1/2		1/2		1/2		1/2	4,670.18	1/2	4,333.82	1/2	3,980.96	1/2	3,611.73	1/2	3,235.84	1/2	2,858.39	1/2	2,480.82
3/4		3/4		3/4		3/4	4,663.35	3/4	4,326.64	3/4	3,973.45	3/4	3,603.90	3/4	3,228.01	3/4	2,850.52	3/4	2,472.96
11		11		11		11	4,656.49	11	4,319.44	11	3,965.90	11	3,596.07	11	3,220.16	11	2,842.65	11	2,465.09
1/4		1/4		1/4		1/4	4,649.63	1/4	4,312.24	1/4	3,958.36	1/4	3,588.24	1/4	3,212.32	1/4	2,834.79	1/4	2,457.23
1/2		1/2		1/2		1/2	4,642.77	1/2	4,305.04	1/2	3,950.81	1/2	3,580.41	1/2	3,204.47	1/2	2,826.92	1/2	2,449.36
3/4		3/4		3/4		3/4	4,635.91	3/4	4,297.83	3/4	3,943.26	3/4	3,572.58	3/4	3,196.62	3/4	2,819.06	3/4	2,441.49

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 29129"

**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	2,433.63	0	2,056.06	0	1,678.50	0	1,300.94	0	923.65	0	546.22	0	195.85	0		0		0	
1/4	2,425.76	1/4	2,048.20	1/4	1,670.64	1/4	1,293.07	1/4	915.79	1/4	538.36	1/4	189.23	1/4		1/4		1/4	
1/2	2,417.90	1/2	2,040.33	1/2	1,662.77	1/2	1,285.21	1/2	907.94	1/2	530.50	1/2	182.60	1/2		1/2		1/2	
3/4	2,410.03	3/4	2,032.47	3/4	1,654.90	3/4	1,277.34	3/4	900.09	3/4	522.65	3/4	175.98	3/4		3/4		3/4	
1	2,402.16	1	2,024.60	1	1,647.04	1	1,269.47	1	892.23	1	514.84	1	169.47	1		1		1	
1/4	2,394.30	1/4	2,016.74	1/4	1,639.17	1/4	1,261.61	1/4	884.38	1/4	507.03	1/4	162.96	1/4		1/4		1/4	
1/2	2,386.43	1/2	2,008.87	1/2	1,631.31	1/2	1,253.74	1/2	876.52	1/2	499.23	1/2	156.45	1/2		1/2		1/2	
3/4	2,378.57	3/4	2,001.00	3/4	1,623.44	3/4	1,245.88	3/4	868.67	3/4	491.42	3/4	149.94	3/4		3/4		3/4	
2	2,370.70	2	1,993.14	2	1,615.57	2	1,238.01	2	860.81	2	483.70	2	143.54	2		2		2	
1/4	2,362.83	1/4	1,985.27	1/4	1,607.71	1/4	1,230.15	1/4	852.95	1/4	475.99	1/4	137.15	1/4		1/4		1/4	
1/2	2,354.97	1/2	1,977.41	1/2	1,599.84	1/2	1,222.28	1/2	845.09	1/2	468.27	1/2	130.75	1/2		1/2		1/2	
3/4	2,347.10	3/4	1,969.54	3/4	1,591.98	3/4	1,214.41	3/4	837.24	3/4	460.56	3/4	124.36	3/4		3/4		3/4	
3	2,339.24	3	1,961.67	3	1,584.11	3	1,206.55	3	829.37	3	452.95	3	118.08	3		3		3	
1/4	2,331.37	1/4	1,953.81	1/4	1,576.24	1/4	1,198.68	1/4	821.50	1/4	445.34	1/4	111.81	1/4		1/4		1/4	
1/2	2,323.51	1/2	1,945.94	1/2	1,568.38	1/2	1,190.82	1/2	813.64	1/2	437.74	1/2	105.53	1/2		1/2		1/2	
3/4	2,315.64	3/4	1,938.08	3/4	1,560.51	3/4	1,182.95	3/4	805.77	3/4	430.13	3/4	99.26	3/4		3/4		3/4	
4	2,307.77	4	1,930.21	4	1,552.65	4	1,175.08	4	797.91	4	422.63	4	93.11	4		4		4	
1/4	2,299.91	1/4	1,922.34	1/4	1,544.78	1/4	1,167.22	1/4	790.04	1/4	415.14	1/4	86.97	1/4		1/4		1/4	
1/2	2,292.04	1/2	1,914.48	1/2	1,536.92	1/2	1,159.35	1/2	782.18	1/2	407.64	1/2	80.82	1/2		1/2		1/2	
3/4	2,284.18	3/4	1,906.61	3/4	1,529.05	3/4	1,151.49	3/4	774.31	3/4	400.14	3/4	74.68	3/4		3/4		3/4	
5	2,276.31	5	1,898.75	5	1,521.18	5	1,143.62	5	766.44	5	392.76	5	68.67	5		5		5	
1/4	2,268.44	1/4	1,890.88	1/4	1,513.32	1/4	1,135.75	1/4	758.58	1/4	385.37	1/4	62.67	1/4		1/4		1/4	
1/2	2,260.58	1/2	1,883.01	1/2	1,505.45	1/2	1,127.89	1/2	750.71	1/2	377.98	1/2	56.66	1/2		1/2		1/2	
3/4	2,252.71	3/4	1,875.15	3/4	1,497.59	3/4	1,120.02	3/4	742.85	3/4	370.59	3/4	50.66	3/4		3/4		3/4	
6	2,244.85	6	1,867.28	6	1,489.72	6	1,112.16	6	734.98	6	363.32	6	45.25	6		6		6	
1/4	2,236.98	1/4	1,859.42	1/4	1,481.85	1/4	1,104.30	1/4	727.12	1/4	356.04	1/4	39.84	1/4		1/4		1/4	
1/2	2,229.11	1/2	1,851.55	1/2	1,473.99	1/2	1,096.44	1/2	719.25	1/2	348.76	1/2	34.43	1/2		1/2		1/2	
3/4	2,221.25	3/4	1,843.69	3/4	1,466.12	3/4	1,088.58	3/4	711.38	3/4	341.48	3/4	29.01	3/4		3/4		3/4	
7	2,213.38	7	1,835.82	7	1,458.26	7	1,080.72	7	703.52	7	334.31	7	25.05	7		7		7	
1/4	2,205.52	1/4	1,827.95	1/4	1,450.39	1/4	1,072.87	1/4	695.65	1/4	327.14	1/4	21.09	1/4		1/4		1/4	
1/2	2,197.65	1/2	1,820.09	1/2	1,442.52	1/2	1,065.02	1/2	687.79	1/2	319.97	1/2	17.13	1/2		1/2		1/2	
3/4	2,189.78	3/4	1,812.22	3/4	1,434.66	3/4	1,057.16	3/4	679.92	3/4	312.80	3/4	13.17	3/4		3/4		3/4	
8	2,181.92	8	1,804.36	8	1,426.79	8	1,049.31	8	672.06	8	305.74	8		8		8		8	
1/4	2,174.05	1/4	1,796.49	1/4	1,418.93	1/4	1,041.45	1/4	664.19	1/4	298.68	1/4		1/4		1/4		1/4	
1/2	2,166.19	1/2	1,788.62	1/2	1,411.06	1/2	1,033.60	1/2	656.32	1/2	291.62	1/2		1/2		1/2		1/2	
3/4	2,158.32	3/4	1,780.76	3/4	1,403.19	3/4	1,025.75	3/4	648.46	3/4	284.57	3/4		3/4		3/4		3/4	
9	2,150.46	9	1,772.89	9	1,395.33	9	1,017.89	9	640.59	9	277.61	9		9		9		9	
1/4	2,142.59	1/4	1,765.03	1/4	1,387.46	1/4	1,010.04	1/4	632.73	1/4	270.66	1/4		1/4		1/4		1/4	
1/2	2,134.72	1/2	1,757.16	1/2	1,379.60	1/2	1,002.18	1/2	624.86	1/2	263.71	1/2		1/2		1/2		1/2	
3/4	2,126.86	3/4	1,749.29	3/4	1,371.73	3/4	994.33	3/4	617.00	3/4	256.76	3/4		3/4		3/4		3/4	
10	2,118.99	10	1,741.43	10	1,363.87	10	986.48	10	609.13	10	249.92	10		10		10		10	
1/4	2,111.13	1/4	1,733.56	1/4	1,356.00	1/4	978.62	1/4	601.27	1/4	243.08	1/4		1/4		1/4		1/4	
1/2	2,103.26	1/2	1,725.70	1/2	1,348.13	1/2	970.77	1/2	593.40	1/2	236.24	1/2		1/2		1/2		1/2	
3/4	2,095.39	3/4	1,717.83	3/4	1,340.27	3/4	962.92	3/4	585.53	3/4	229.40	3/4		3/4		3/4		3/4	
11	2,087.53	11	1,709.96	11	1,332.40	11	955.06	11	577.67	11	222.67	11		11		11		11	
1/4	2,079.66	1/4	1,702.10	1/4	1,324.54	1/4	947.21	1/4	569.80	1/4	215.93	1/4		1/4		1/4		1/4	
1/2	2,071.80	1/2	1,694.23	1/2	1,316.67	1/2	939.35	1/2	561.94	1/2	209.20	1/2		1/2		1/2		1/2	
3/4	2,063.93	3/4	1,686.37	3/4	1,308.80	3/4	931.50	3/4	554.07	3/4	202.47	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/15/2015 CL
CALCULATED: 01/15/2015 CL
PRINTED: 01/15/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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



BARGE "KIRBY 29129"

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	0	0	0	0	4,462.80	0	4,139.93	0	3,801.92	0	3,449.12	0	3,091.47	0	2,732.35
1/4		1/4		1/4		1/4		1/4	4,456.22	1/4	4,133.03	1/4	3,794.71	1/4	3,441.67	1/4	3,083.99	1/4	2,724.87
1/2		1/2		1/2		1/2	4,766.71	1/2	4,449.64	1/2	4,126.13	1/2	3,787.49	1/2	3,434.22	1/2	3,076.51	1/2	2,717.38
3/4		3/4		3/4		3/4	4,761.60	3/4	4,443.06	3/4	4,119.23	3/4	3,780.28	3/4	3,426.77	3/4	3,069.03	3/4	2,709.90
1	1	1	1	1	1	1	4,756.49	1	4,436.48	1	4,112.33	1	3,773.07	1	3,419.32	1	3,061.55	1	2,702.42
1/4		1/4		1/4		1/4	4,750.15	1/4	4,429.87	1/4	4,105.41	1/4	3,765.82	1/4	3,411.87	1/4	3,054.06	1/4	2,694.94
1/2		1/2		1/2		1/2	4,743.80	1/2	4,423.27	1/2	4,098.49	1/2	3,758.58	1/2	3,404.42	1/2	3,046.58	1/2	2,687.46
3/4		3/4		3/4		3/4	4,737.46	3/4	4,416.66	3/4	4,091.57	3/4	3,751.34	3/4	3,396.97	3/4	3,039.10	3/4	2,679.97
2	2	2	2	2	2	2	4,731.12	2	4,410.05	2	4,084.64	2	3,744.10	2	3,389.52	2	3,031.62	2	2,672.49
1/4		1/4		1/4		1/4	4,723.89	1/4	4,403.42	1/4	4,077.69	1/4	3,736.83	1/4	3,382.08	1/4	3,024.14	1/4	2,665.01
1/2		1/2		1/2		1/2	4,716.66	1/2	4,396.79	1/2	4,070.75	1/2	3,729.57	1/2	3,374.63	1/2	3,016.66	1/2	2,657.53
3/4		3/4		3/4		3/4	4,709.43	3/4	4,390.15	3/4	4,063.80	3/4	3,722.31	3/4	3,367.18	3/4	3,009.17	3/4	2,650.05
3	3	3	3	3	3	3	4,702.20	3	4,383.52	3	4,056.85	3	3,715.04	3	3,359.73	3	3,001.69	3	2,642.57
1/4		1/4		1/4		1/4	4,694.75	1/4	4,376.86	1/4	4,049.87	1/4	3,707.75	1/4	3,352.28	1/4	2,994.21	1/4	2,635.08
1/2		1/2		1/2		1/2	4,687.30	1/2	4,370.20	1/2	4,042.90	1/2	3,700.46	1/2	3,344.83	1/2	2,986.73	1/2	2,627.60
3/4		3/4		3/4		3/4	4,679.85	3/4	4,363.54	3/4	4,035.92	3/4	3,693.17	3/4	3,337.38	3/4	2,979.25	3/4	2,620.12
4	4	4	4	4	4	4	4,672.40	4	4,356.88	4	4,028.95	4	3,685.88	4	3,329.93	4	2,971.76	4	2,612.64
1/4		1/4		1/4		1/4	4,665.35	1/4	4,350.20	1/4	4,021.95	1/4	3,678.57	1/4	3,322.48	1/4	2,964.28	1/4	2,605.16
1/2		1/2		1/2		1/2	4,658.30	1/2	4,343.51	1/2	4,014.95	1/2	3,671.25	1/2	3,315.03	1/2	2,956.80	1/2	2,597.67
3/4		3/4		3/4		3/4	4,651.24	3/4	4,336.82	3/4	4,007.95	3/4	3,663.93	3/4	3,307.58	3/4	2,949.32	3/4	2,590.19
5	5	5	5	5	5	5	4,644.19	5	4,330.14	5	4,000.94	5	3,656.61	5	3,300.13	5	2,941.84	5	2,582.71
1/4		1/4		1/4		1/4	4,637.79	1/4	4,323.42	1/4	3,993.92	1/4	3,649.27	1/4	3,292.68	1/4	2,934.36	1/4	2,575.23
1/2		1/2		1/2		1/2	4,631.40	1/2	4,316.71	1/2	3,986.89	1/2	3,641.93	1/2	3,285.23	1/2	2,926.87	1/2	2,567.75
3/4		3/4		3/4		3/4	4,625.00	3/4	4,310.00	3/4	3,979.86	3/4	3,634.59	3/4	3,277.78	3/4	2,919.39	3/4	2,560.27
6	6	6	6	6	6	6	4,618.60	6	4,303.29	6	3,972.83	6	3,627.24	6	3,270.33	6	2,911.91	6	2,552.78
1/4		1/4		1/4		1/4	4,612.18	1/4	4,296.55	1/4	3,965.78	1/4	3,619.87	1/4	3,262.88	1/4	2,904.43	1/4	2,545.30
1/2		1/2		1/2		1/2	4,605.75	1/2	4,289.81	1/2	3,958.72	1/2	3,612.50	1/2	3,255.43	1/2	2,896.95	1/2	2,537.82
3/4		3/4		3/4		3/4	4,599.33	3/4	4,283.07	3/4	3,951.67	3/4	3,605.13	3/4	3,247.98	3/4	2,889.46	3/4	2,530.34
7	7	7	7	7	7	7	4,592.90	7	4,276.33	7	3,944.61	7	3,597.76	7	3,240.53	7	2,881.98	7	2,522.86
1/4		1/4		1/4		1/4	4,586.45	1/4	4,269.56	1/4	3,937.53	1/4	3,590.37	1/4	3,233.08	1/4	2,874.50	1/4	2,515.37
1/2		1/2		1/2		1/2	4,580.00	1/2	4,262.79	1/2	3,930.45	1/2	3,582.97	1/2	3,225.63	1/2	2,867.02	1/2	2,507.89
3/4		3/4		3/4		3/4	4,573.55	3/4	4,256.03	3/4	3,923.37	3/4	3,575.58	3/4	3,218.18	3/4	2,859.54	3/4	2,500.41
8	8	8	8	8	8	8	4,567.10	8	4,249.26	8	3,916.29	8	3,568.18	8	3,210.73	8	2,852.06	8	2,492.93
1/4		1/4		1/4		1/4	4,560.62	1/4	4,242.47	1/4	3,909.18	1/4	3,560.76	1/4	3,203.28	1/4	2,844.57	1/4	2,485.45
1/2		1/2		1/2		1/2	4,554.14	1/2	4,235.68	1/2	3,902.07	1/2	3,553.33	1/2	3,195.83	1/2	2,837.09	1/2	2,477.97
3/4		3/4		3/4		3/4	4,547.66	3/4	4,228.88	3/4	3,894.97	3/4	3,545.91	3/4	3,188.38	3/4	2,829.61	3/4	2,470.48
9	9	9	9	9	9	9	4,541.18	9	4,222.09	9	3,887.86	9	3,538.49	9	3,180.93	9	2,822.13	9	2,463.00
1/4		1/4		1/4		1/4	4,534.68	1/4	4,215.27	1/4	3,880.72	1/4	3,531.05	1/4	3,173.48	1/4	2,814.65	1/4	2,455.52
1/2		1/2		1/2		1/2	4,528.17	1/2	4,208.45	1/2	3,873.59	1/2	3,523.60	1/2	3,166.03	1/2	2,807.16	1/2	2,448.04
3/4		3/4		3/4		3/4	4,521.67	3/4	4,201.63	3/4	3,866.45	3/4	3,516.16	3/4	3,158.58	3/4	2,799.68	3/4	2,440.56
10	10	10	10	10	10	10	4,515.16	10	4,194.81	10	3,859.32	10	3,508.72	10	3,151.13	10	2,792.20	10	2,433.07
1/4		1/4		1/4		1/4	4,508.63	1/4	4,187.97	1/4	3,852.16	1/4	3,501.27	1/4	3,143.68	1/4	2,784.72	1/4	2,425.59
1/2		1/2		1/2		1/2	4,502.10	1/2	4,181.12	1/2	3,845.00	1/2	3,493.82	1/2	3,136.24	1/2	2,777.24	1/2	2,418.11
3/4		3/4		3/4		3/4	4,495.57	3/4	4,174.27	3/4	3,837.84	3/4	3,486.37	3/4	3,128.79	3/4	2,769.76	3/4	2,410.63
11	11	11	11	11	11	11	4,489.04	11	4,167.42	11	3,830.68	11	3,478.92	11	3,121.34	11	2,762.27	11	2,403.15
1/4		1/4		1/4		1/4	4,482.48	1/4	4,160.55	1/4	3,823.49	1/4	3,471.47	1/4	3,113.87	1/4	2,754.79	1/4	2,395.67
1/2		1/2		1/2		1/2	4,475.92	1/2	4,153.68	1/2	3,816.30	1/2	3,464.02	1/2	3,106.40	1/2	2,747.31	1/2	2,388.18
3/4		3/4		3/4		3/4	4,469.36	3/4	4,146.81	3/4	3,809.11	3/4	3,456.57	3/4	3,098.94	3/4	2,739.83	3/4	2,380.70

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 29129"

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	2,373.22	0	2,014.09	0	1,654.97	0	1,304.19	0	959.25	0	602.09	0	242.98	0		0		0	
1/4	2,365.74	1/4	2,006.61	1/4	1,647.49	1/4	1,296.99	1/4	952.07	1/4	594.61	1/4	235.50	1/4		1/4		1/4	
1/2	2,358.26	1/2	1,999.13	1/2	1,640.00	1/2	1,289.79	1/2	944.89	1/2	587.13	1/2	228.01	1/2		1/2		1/2	
3/4	2,350.78	3/4	1,991.65	3/4	1,632.52	3/4	1,282.59	3/4	937.71	3/4	579.65	3/4	220.53	3/4		3/4		3/4	
1	2,343.29	1	1,984.17	1	1,625.04	1	1,275.39	1	930.53	1	572.17	1	213.05	1		1		1	
1/4	2,335.81	1/4	1,976.69	1/4	1,617.56	1/4	1,268.19	1/4	923.24	1/4	564.69	1/4	205.57	1/4		1/4		1/4	
1/2	2,328.33	1/2	1,969.20	1/2	1,610.08	1/2	1,260.99	1/2	915.94	1/2	557.20	1/2	198.09	1/2		1/2		1/2	
3/4	2,320.85	3/4	1,961.72	3/4	1,602.59	3/4	1,253.79	3/4	908.65	3/4	549.72	3/4	190.61	3/4		3/4		3/4	
2	2,313.37	2	1,954.24	2	1,595.11	2	1,246.60	2	901.36	2	542.24	2	183.13	2		2		2	
1/4	2,305.88	1/4	1,946.76	1/4	1,587.63	1/4	1,239.40	1/4	893.88	1/4	534.76	1/4	175.66	1/4		1/4		1/4	
1/2	2,298.40	1/2	1,939.28	1/2	1,580.15	1/2	1,232.20	1/2	886.39	1/2	527.28	1/2	168.19	1/2		1/2		1/2	
3/4	2,290.92	3/4	1,931.79	3/4	1,572.67	3/4	1,225.00	3/4	878.91	3/4	519.80	3/4	160.71	3/4		3/4		3/4	
3	2,283.44	3	1,924.31	3	1,565.19	3	1,217.80	3	871.43	3	512.31	3	153.24	3		3		3	
1/4	2,275.96	1/4	1,916.83	1/4	1,557.70	1/4	1,210.61	1/4	863.95	1/4	504.83	1/4	145.78	1/4		1/4		1/4	
1/2	2,268.48	1/2	1,909.35	1/2	1,550.22	1/2	1,203.41	1/2	856.47	1/2	497.35	1/2	138.32	1/2		1/2		1/2	
3/4	2,260.99	3/4	1,901.87	3/4	1,542.74	3/4	1,196.22	3/4	848.99	3/4	489.87	3/4	130.85	3/4		3/4		3/4	
4	2,253.51	4	1,894.39	4	1,535.26	4	1,189.02	4	841.50	4	482.39	4	123.39	4		4		4	
1/4	2,246.03	1/4	1,886.90	1/4	1,527.88	1/4	1,181.84	1/4	834.02	1/4	474.91	1/4	115.95	1/4		1/4		1/4	
1/2	2,238.55	1/2	1,879.42	1/2	1,520.51	1/2	1,174.65	1/2	826.54	1/2	467.42	1/2	108.50	1/2		1/2		1/2	
3/4	2,231.07	3/4	1,871.94	3/4	1,513.13	3/4	1,167.46	3/4	819.06	3/4	459.94	3/4	101.06	3/4		3/4		3/4	
5	2,223.58	5	1,864.46	5	1,505.76	5	1,160.28	5	811.58	5	452.46	5	93.62	5		5		5	
1/4	2,216.10	1/4	1,856.98	1/4	1,498.56	1/4	1,153.10	1/4	804.10	1/4	444.98	1/4	86.20	1/4		1/4		1/4	
1/2	2,208.62	1/2	1,849.49	1/2	1,491.36	1/2	1,145.91	1/2	796.62	1/2	437.50	1/2	78.79	1/2		1/2		1/2	
3/4	2,201.14	3/4	1,842.01	3/4	1,484.16	3/4	1,138.73	3/4	789.13	3/4	430.02	3/4	71.38	3/4		3/4		3/4	
6	2,193.66	6	1,834.53	6	1,476.96	6	1,131.54	6	781.65	6	422.54	6	63.97	6		6		6	
1/4	2,186.18	1/4	1,827.05	1/4	1,469.76	1/4	1,124.37	1/4	774.17	1/4	415.05	1/4	57.01	1/4		1/4		1/4	
1/2	2,178.69	1/2	1,819.57	1/2	1,462.56	1/2	1,117.19	1/2	766.69	1/2	407.57	1/2	50.06	1/2		1/2		1/2	
3/4	2,171.21	3/4	1,812.09	3/4	1,455.36	3/4	1,110.01	3/4	759.21	3/4	400.09	3/4	43.11	3/4		3/4		3/4	
7	2,163.73	7	1,804.60	7	1,448.16	7	1,102.83	7	751.73	7	392.61	7	36.15	7		7		7	
1/4	2,156.25	1/4	1,797.12	1/4	1,440.97	1/4	1,095.65	1/4	744.24	1/4	385.13	1/4	30.86	1/4		1/4		1/4	
1/2	2,148.77	1/2	1,789.64	1/2	1,433.77	1/2	1,088.47	1/2	736.76	1/2	377.65	1/2	25.56	1/2		1/2		1/2	
3/4	2,141.28	3/4	1,782.16	3/4	1,426.57	3/4	1,081.29	3/4	729.28	3/4	370.16	3/4	20.26	3/4		3/4		3/4	
8	2,133.80	8	1,774.68	8	1,419.37	8	1,074.11	8	721.80	8	362.68	8	14.97	8		8		8	
1/4	2,126.32	1/4	1,767.19	1/4	1,412.17	1/4	1,066.93	1/4	714.32	1/4	355.20	1/4		1/4		1/4		1/4	
1/2	2,118.84	1/2	1,759.71	1/2	1,404.97	1/2	1,059.75	1/2	706.84	1/2	347.72	1/2		1/2		1/2		1/2	
3/4	2,111.36	3/4	1,752.23	3/4	1,397.77	3/4	1,052.58	3/4	699.35	3/4	340.24	3/4		3/4		3/4		3/4	
9	2,103.88	9	1,744.75	9	1,390.57	9	1,045.40	9	691.87	9	332.76	9		9		9		9	
1/4	2,096.39	1/4	1,737.27	1/4	1,383.37	1/4	1,038.22	1/4	684.39	1/4	325.27	1/4		1/4		1/4		1/4	
1/2	2,088.91	1/2	1,729.79	1/2	1,376.18	1/2	1,031.04	1/2	676.91	1/2	317.79	1/2		1/2		1/2		1/2	
3/4	2,081.43	3/4	1,722.30	3/4	1,368.98	3/4	1,023.86	3/4	669.43	3/4	310.31	3/4		3/4		3/4		3/4	
10	2,073.95	10	1,714.82	10	1,361.78	10	1,016.68	10	661.95	10	302.83	10		10		10		10	
1/4	2,066.47	1/4	1,707.34	1/4	1,354.58	1/4	1,009.50	1/4	654.46	1/4	295.35	1/4		1/4		1/4		1/4	
1/2	2,058.98	1/2	1,699.86	1/2	1,347.38	1/2	1,002.32	1/2	646.98	1/2	287.87	1/2		1/2		1/2		1/2	
3/4	2,051.50	3/4	1,692.38	3/4	1,340.18	3/4	995.14	3/4	639.50	3/4	280.38	3/4		3/4		3/4		3/4	
11	2,044.02	11	1,684.89	11	1,332.98	11	987.96	11	632.02	11	272.90	11		11		11		11	
1/4	2,036.54	1/4	1,677.41	1/4	1,325.78	1/4	980.79	1/4	624.54	1/4	265.42	1/4		1/4		1/4		1/4	
1/2	2,029.06	1/2	1,669.93	1/2	1,318.58	1/2	973.61	1/2	617.06	1/2	257.94	1/2		1/2		1/2		1/2	
3/4	2,021.58	3/4	1,662.45	3/4	1,311.39	3/4	966.43	3/4	609.58	3/4	250.46	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/15/2015 CL
CALCULATED: 01/15/2015 CL
PRINTED: 01/15/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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



BARGE "KIRBY 29129"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	4,789.08	0	4,472.12	0	4,148.73	0	3,810.21	0	3,457.07	0	3,099.53	0	2,740.52
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	1/4	2,733.04
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	1/2	2,725.57
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	3/4	2,718.09
1	1	1	1	1	1	1	4,766.17	1	4,445.75	1	4,121.09	1	3,781.31	1	3,427.29	1	3,069.61	1	2,710.61
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	1/4	2,703.13
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	1/2	2,695.65
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	3/4	2,688.17
2	2	2	2	2	2	2	4,739.04	2	4,419.28	2	4,093.36	2	3,752.31	2	3,397.50	2	3,039.69	2	2,680.69
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	1/4	2,673.21
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	1/2	2,665.73
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	3/4	2,658.25
3	3	3	3	3	3	3	4,709.69	3	4,392.71	3	4,065.53	3	3,723.21	3	3,367.71	3	3,009.77	3	2,650.77
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	1/4	2,643.29
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	1/2	2,635.81
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	3/4	2,628.34
4	4	4	4	4	4	4	4,680.70	4	4,366.02	4	4,037.58	4	3,694.01	4	3,337.92	4	2,979.86	4	2,620.86
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	1/4	2,613.38
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	1/2	2,605.90
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	3/4	2,598.42
5	5	5	5	5	5	5	4,653.81	5	4,339.24	5	4,009.53	5	3,664.70	5	3,308.13	5	2,949.94	5	2,590.94
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	1/4	2,583.46
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	1/2	2,575.98
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	3/4	2,568.50
6	6	6	6	6	6	6	4,628.17	6	4,312.34	6	3,981.38	6	3,635.29	6	3,278.35	6	2,920.02	6	2,561.02
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	1/4	2,553.54
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	1/2	2,546.06
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	3/4	2,538.59
7	7	7	7	7	7	7	4,602.43	7	4,285.34	7	3,953.12	7	3,605.77	7	3,248.56	7	2,890.11	7	2,531.11
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	1/4	2,523.63
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	1/2	2,516.15
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	3/4	2,508.67
8	8	8	8	8	8	8	4,576.58	8	4,258.23	8	3,924.75	8	3,576.14	8	3,218.77	8	2,860.19	8	2,501.19
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	1/4	2,493.71
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	1/2	2,486.23
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	3/4	2,478.75
9	9	9	9	9	9	9	4,550.62	9	4,231.02	9	3,896.28	9	3,546.42	9	3,188.98	9	2,830.27	9	2,471.27
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	1/4	2,463.79
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	1/2	2,456.31
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	3/4	2,448.83
10	10	10	10	10	10	10	4,524.56	10	4,203.69	10	3,867.70	10	3,516.65	10	3,159.19	10	2,800.36	10	2,441.36
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	1/4	2,433.88
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	1/2	2,426.40
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	3/4	2,418.92
11	11	11	11	11	11	11	4,498.39	11	4,176.27	11	3,839.01	11	3,486.86	11	3,129.39	11	2,770.44	11	2,411.44
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	1/4	2,403.96
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	1/2	2,396.48
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	3/4	2,389.00

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 29129"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,381.52	0	2,022.52	0	1,663.52	0	1,304.52	0	945.80	0	586.92	0	227.93	0		0		0	
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		1/4	
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		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		3/4	
1	2,351.61	1	1,992.60	1	1,633.60	1	1,274.60	1	915.94	1	557.00	1	198.02	1		1		1	
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		1/4	
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		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		3/4	
2	2,321.69	2	1,962.69	2	1,603.69	2	1,244.68	2	886.06	2	527.09	2	168.13	2		2		2	
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		1/4	
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		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		3/4	
3	2,291.77	3	1,932.77	3	1,573.77	3	1,214.77	3	856.16	3	497.17	3	138.27	3		3		3	
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		1/4	
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		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		3/4	
4	2,261.85	4	1,902.85	4	1,543.85	4	1,184.85	4	826.24	4	467.25	4	108.47	4		4		4	
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		1/4	
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		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		3/4	
5	2,231.94	5	1,872.94	5	1,513.93	5	1,154.93	5	796.33	5	437.34	5	78.76	5		5		5	
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		1/4	
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		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		3/4	
6	2,202.02	6	1,843.02	6	1,484.02	6	1,125.03	6	766.41	6	407.42	6	50.04	6		6		6	
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		1/4	
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		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		3/4	
7	2,172.10	7	1,813.10	7	1,454.10	7	1,095.14	7	736.50	7	377.51	7	25.55	7		7		7	
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		1/4	
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		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		3/4	
8	2,142.19	8	1,783.19	8	1,424.18	8	1,065.28	8	706.58	8	347.59	8		8		8		8	
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		1/4	
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		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		3/4	
9	2,112.27	9	1,753.27	9	1,394.27	9	1,035.41	9	676.66	9	317.68	9		9		9		9	
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		1/4	
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		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		3/4	
10	2,082.35	10	1,723.35	10	1,364.35	10	1,005.54	10	646.75	10	287.76	10		10		10		10	
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		1/4	
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		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		3/4	
11	2,052.44	11	1,693.44	11	1,334.43	11	975.67	11	616.83	11	257.85	11		11		11		11	
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		1/4		1/4	
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		1/2		1/2	
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		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/15/2015 CL
CALCULATED: 01/15/2015 CL
PRINTED: 01/15/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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



BARGE "KIRBY 29129"

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	0	0	0	4,349.17	0	4,108.75	0	3,862.82	0	3,604.91	0	3,335.34	0	2,983.64	0	2,627.89
1/4		1/4		1/4		1/4	4,344.54	1/4	4,103.75	1/4	3,857.56	1/4	3,599.42	1/4	3,329.64	1/4	2,976.23	1/4	2,620.47
1/2		1/2		1/2		1/2	4,339.92	1/2	4,098.75	1/2	3,852.31	1/2	3,593.92	1/2	3,323.95	1/2	2,968.82	1/2	2,613.06
3/4		3/4		3/4		3/4	4,335.77	3/4	4,093.73	3/4	3,847.04	3/4	3,588.40	3/4	3,316.54	3/4	2,961.41	3/4	2,605.65
1	1	1	1	1	1	1	4,331.63	1	4,088.72	1	3,841.77	1	3,582.87	1	3,309.12	1	2,954.00	1	2,598.24
1/4		1/4		1/4		1/4	4,327.49	1/4	4,083.70	1/4	3,836.50	1/4	3,577.35	1/4	3,301.71	1/4	2,946.58	1/4	2,590.83
1/2		1/2		1/2		1/2	4,323.34	1/2	4,078.68	1/2	3,831.23	1/2	3,571.83	1/2	3,294.29	1/2	2,939.17	1/2	2,583.42
3/4		3/4		3/4		3/4	4,318.00	3/4	4,073.64	3/4	3,825.95	3/4	3,566.29	3/4	3,286.88	3/4	2,931.76	3/4	2,576.00
2	2	2	2	2	2	2	4,312.65	2	4,068.60	2	3,820.66	2	3,560.75	2	3,279.46	2	2,924.35	2	2,568.59
1/4		1/4		1/4		1/4	4,307.30	1/4	4,063.56	1/4	3,815.37	1/4	3,555.21	1/4	3,272.05	1/4	2,916.94	1/4	2,561.18
1/2		1/2		1/2		1/2	4,301.96	1/2	4,058.52	1/2	3,810.08	1/2	3,549.67	1/2	3,264.63	1/2	2,909.53	1/2	2,553.77
3/4		3/4		3/4		3/4	4,296.27	3/4	4,053.46	3/4	3,804.77	3/4	3,544.12	3/4	3,257.22	3/4	2,902.11	3/4	2,546.36
3	3	3	3	3	3	3	4,290.57	3	4,048.40	3	3,799.46	3	3,538.56	3	3,249.80	3	2,894.70	3	2,538.95
1/4		1/4		1/4		1/4	4,284.88	1/4	4,043.34	1/4	3,794.15	1/4	3,533.00	1/4	3,242.39	1/4	2,887.29	1/4	2,531.53
1/2		1/2		1/2		1/2	4,279.19	1/2	4,038.28	1/2	3,788.84	1/2	3,527.44	1/2	3,234.97	1/2	2,879.88	1/2	2,524.12
3/4		3/4		3/4		3/4	4,273.49	3/4	4,033.20	3/4	3,783.51	3/4	3,521.86	3/4	3,227.56	3/4	2,872.47	3/4	2,516.71
4	4	4	4	4	4	4	4,267.80	4	4,028.12	4	3,778.18	4	3,516.28	4	3,220.14	4	2,865.06	4	2,509.30
1/4		1/4		1/4		1/4	4,262.10	1/4	4,023.03	1/4	3,772.85	1/4	3,510.70	1/4	3,212.73	1/4	2,857.64	1/4	2,501.89
1/2		1/2		1/2		1/2	4,256.41	1/2	4,017.95	1/2	3,767.52	1/2	3,505.12	1/2	3,205.32	1/2	2,850.23	1/2	2,494.48
3/4		3/4		3/4		3/4	4,251.56	3/4	4,012.85	3/4	3,762.17	3/4	3,499.52	3/4	3,197.93	3/4	2,842.82	3/4	2,487.06
5	5	5	5	5	5	5	4,246.70	5	4,007.75	5	3,756.82	5	3,493.92	5	3,190.54	5	2,835.41	5	2,479.65
1/4		1/4		1/4		1/4	4,241.85	1/4	4,002.65	1/4	3,751.46	1/4	3,488.32	1/4	3,183.15	1/4	2,828.00	1/4	2,472.24
1/2		1/2		1/2		1/2	4,236.99	1/2	3,997.55	1/2	3,746.11	1/2	3,482.72	1/2	3,175.77	1/2	2,820.59	1/2	2,464.83
3/4		3/4		3/4		3/4	4,232.12	3/4	3,992.42	3/4	3,740.74	3/4	3,477.10	3/4	3,168.38	3/4	2,813.18	3/4	2,457.42
6	6	6	6	6	6	6	4,227.25	6	3,987.30	6	3,735.37	6	3,471.47	6	3,160.99	6	2,805.76	6	2,450.01
1/4		1/4		1/4		1/4	4,222.38	1/4	3,982.17	1/4	3,730.00	1/4	3,465.85	1/4	3,153.60	1/4	2,798.35	1/4	2,442.60
1/2		1/2		1/2		1/2	4,217.50	1/2	3,977.05	1/2	3,724.62	1/2	3,460.23	1/2	3,146.22	1/2	2,790.94	1/2	2,435.18
3/4		3/4		3/4		3/4	4,212.61	3/4	3,971.91	3/4	3,719.23	3/4	3,454.59	3/4	3,138.83	3/4	2,783.53	3/4	2,427.77
7	7	7	7	7	7	7	4,207.71	7	3,966.76	7	3,713.84	7	3,448.94	7	3,131.44	7	2,776.12	7	2,420.36
1/4		1/4		1/4		1/4	4,202.81	1/4	3,961.62	1/4	3,708.44	1/4	3,443.30	1/4	3,124.05	1/4	2,768.71	1/4	2,412.95
1/2		1/2		1/2		1/2	4,197.92	1/2	3,956.48	1/2	3,703.05	1/2	3,437.66	1/2	3,116.67	1/2	2,761.29	1/2	2,405.54
3/4		3/4		3/4		3/4	4,193.00	3/4	3,951.31	3/4	3,697.63	3/4	3,432.00	3/4	3,109.28	3/4	2,753.88	3/4	2,398.13
8	8	8	8	8	8	8	4,188.09	8	3,946.14	8	3,692.22	8	3,426.33	8	3,101.89	8	2,746.47	8	2,390.71
1/4		1/4		1/4		1/4	4,183.17	1/4	3,940.98	1/4	3,686.81	1/4	3,420.67	1/4	3,094.50	1/4	2,739.06	1/4	2,383.30
1/2		1/2		1/2		1/2	4,178.26	1/2	3,935.81	1/2	3,681.39	1/2	3,415.00	1/2	3,087.12	1/2	2,731.65	1/2	2,375.89
3/4		3/4		3/4		3/4	4,173.32	3/4	3,930.62	3/4	3,675.96	3/4	3,409.32	3/4	3,079.73	3/4	2,724.24	3/4	2,368.48
9	9	9	9	9	9	9	4,168.38	9	3,925.44	9	3,670.52	9	3,403.63	9	3,072.34	9	2,716.82	9	2,361.07
1/4		1/4		1/4		1/4	4,163.44	1/4	3,920.25	1/4	3,665.08	1/4	3,397.95	1/4	3,064.95	1/4	2,709.41	1/4	2,353.65
1/2		1/2		1/2		1/2	4,158.50	1/2	3,915.07	1/2	3,659.65	1/2	3,392.27	1/2	3,057.57	1/2	2,702.00	1/2	2,346.24
3/4		3/4		3/4		3/4	4,153.54	3/4	3,909.86	3/4	3,654.19	3/4	3,386.57	3/4	3,050.18	3/4	2,694.59	3/4	2,338.83
10	10	10	10	10	10	10	4,148.59	10	3,904.65	10	3,648.74	10	3,380.88	10	3,042.79	10	2,687.18	10	2,331.42
1/4		1/4		1/4		1/4	4,143.63	1/4	3,899.44	1/4	3,643.28	1/4	3,375.19	1/4	3,035.40	1/4	2,679.77	1/4	2,324.01
1/2		1/2		1/2		1/2	4,138.67	1/2	3,894.23	1/2	3,637.83	1/2	3,369.50	1/2	3,028.02	1/2	2,672.35	1/2	2,316.59
3/4		3/4		3/4		3/4	4,133.69	3/4	3,889.00	3/4	3,632.35	3/4	3,363.80	3/4	3,020.63	3/4	2,664.94	3/4	2,309.18
11	11	11	11	11	11	11	4,128.71	11	3,883.77	11	3,626.87	11	3,358.11	11	3,013.24	11	2,657.53	11	2,301.77
1/4		1/4		1/4		1/4	4,123.73	1/4	3,878.55	1/4	3,621.39	1/4	3,352.42	1/4	3,005.85	1/4	2,650.12	1/4	2,294.36
1/2		1/2		1/2		1/2	4,358.42	1/2	4,118.74	1/2	3,873.32	1/2	3,615.91	1/2	3,346.72	1/2	2,998.47	1/2	2,286.95
3/4		3/4		3/4		3/4	4,353.79	3/4	4,113.75	3/4	3,868.07	3/4	3,610.41	3/4	3,341.03	3/4	2,991.05	3/4	2,279.53

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 29129"

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	2,272.12	0	1,915.92	0	1,560.67	0	1,204.80	0	861.22	0	504.91	0	148.39	0		0		0	
1/4	2,264.71	1/4	1,908.49	1/4	1,553.27	1/4	1,197.64	1/4	853.81	1/4	497.48	1/4	140.97	1/4		1/4		1/4	
1/2	2,257.30	1/2	1,901.07	1/2	1,545.87	1/2	1,190.49	1/2	846.40	1/2	490.05	1/2	133.54	1/2		1/2		1/2	
3/4	2,249.89	3/4	1,893.67	3/4	1,538.45	3/4	1,183.33	3/4	839.00	3/4	482.63	3/4	126.11	3/4		3/4		3/4	
1	2,242.47	1	1,886.27	1	1,531.02	1	1,176.17	1	831.59	1	475.20	1	118.69	1		1		1	
1/4	2,235.06	1/4	1,878.87	1/4	1,523.59	1/4	1,169.01	1/4	824.18	1/4	467.77	1/4	111.26	1/4		1/4		1/4	
1/2	2,227.65	1/2	1,871.47	1/2	1,516.17	1/2	1,161.85	1/2	816.78	1/2	460.35	1/2	103.83	1/2		1/2		1/2	
3/4	2,220.24	3/4	1,864.07	3/4	1,508.74	3/4	1,154.69	3/4	809.37	3/4	452.92	3/4	96.72	3/4		3/4		3/4	
2	2,212.82	2	1,856.67	2	1,501.32	2	1,147.53	2	801.96	2	445.49	2	89.61	2		2		2	
1/4	2,205.41	1/4	1,849.27	1/4	1,493.89	1/4	1,140.38	1/4	794.56	1/4	438.06	1/4	82.49	1/4		1/4		1/4	
1/2	2,198.00	1/2	1,841.87	1/2	1,486.46	1/2	1,133.22	1/2	787.15	1/2	430.64	1/2	75.38	1/2		1/2		1/2	
3/4	2,190.59	3/4	1,834.47	3/4	1,479.04	3/4	1,126.06	3/4	779.72	3/4	423.21	3/4	69.21	3/4		3/4		3/4	
3	2,183.18	3	1,827.07	3	1,471.61	3	1,118.90	3	772.30	3	415.78	3	63.03	3		3		3	
1/4	2,175.76	1/4	1,819.67	1/4	1,464.18	1/4	1,111.74	1/4	764.87	1/4	408.35	1/4	56.86	1/4		1/4		1/4	
1/2	2,168.35	1/2	1,812.27	1/2	1,456.76	1/2	1,104.58	1/2	757.44	1/2	400.93	1/2	50.68	1/2		1/2		1/2	
3/4	2,160.94	3/4	1,804.87	3/4	1,449.33	3/4	1,097.42	3/4	750.01	3/4	393.50	3/4	45.77	3/4		3/4		3/4	
4	2,153.53	4	1,797.47	4	1,441.91	4	1,090.27	4	742.59	4	386.07	4	40.85	4		4		4	
1/4	2,146.12	1/4	1,790.07	1/4	1,434.48	1/4	1,083.11	1/4	735.16	1/4	378.64	1/4	35.93	1/4		1/4		1/4	
1/2	2,138.70	1/2	1,782.67	1/2	1,427.05	1/2	1,075.95	1/2	727.73	1/2	371.22	1/2	31.01	1/2		1/2		1/2	
3/4	2,131.28	3/4	1,775.27	3/4	1,419.63	3/4	1,068.80	3/4	720.30	3/4	363.79	3/4	27.35	3/4		3/4		3/4	
5	2,123.85	5	1,767.87	5	1,412.20	5	1,061.66	5	712.88	5	356.36	5	23.69	5		5		5	
1/4	2,116.43	1/4	1,760.47	1/4	1,404.78	1/4	1,054.51	1/4	705.45	1/4	348.93	1/4	20.03	1/4		1/4		1/4	
1/2	2,109.00	1/2	1,753.07	1/2	1,397.35	1/2	1,047.37	1/2	698.02	1/2	341.51	1/2	16.37	1/2		1/2		1/2	
3/4	2,101.57	3/4	1,745.67	3/4	1,389.92	3/4	1,040.22	3/4	690.59	3/4	334.08	3/4		3/4		3/4		3/4	
6	2,094.15	6	1,738.27	6	1,382.50	6	1,033.08	6	683.17	6	326.65	6		6		6		6	
1/4	2,086.72	1/4	1,730.87	1/4	1,375.07	1/4	1,025.94	1/4	675.74	1/4	319.22	1/4		1/4		1/4		1/4	
1/2	2,079.29	1/2	1,723.47	1/2	1,367.64	1/2	1,018.79	1/2	668.31	1/2	311.80	1/2		1/2		1/2		1/2	
3/4	2,071.87	3/4	1,716.07	3/4	1,360.22	3/4	1,011.65	3/4	660.88	3/4	304.37	3/4		3/4		3/4		3/4	
7	2,064.44	7	1,708.67	7	1,352.79	7	1,004.51	7	653.46	7	296.94	7		7		7		7	
1/4	2,057.02	1/4	1,701.27	1/4	1,345.37	1/4	997.37	1/4	646.03	1/4	289.51	1/4		1/4		1/4		1/4	
1/2	2,049.59	1/2	1,693.87	1/2	1,337.94	1/2	990.23	1/2	638.60	1/2	282.09	1/2		1/2		1/2		1/2	
3/4	2,042.16	3/4	1,686.47	3/4	1,330.51	3/4	983.09	3/4	631.18	3/4	274.66	3/4		3/4		3/4		3/4	
8	2,034.74	8	1,679.07	8	1,323.09	8	975.95	8	623.75	8	267.23	8		8		8		8	
1/4	2,027.31	1/4	1,671.67	1/4	1,315.66	1/4	968.81	1/4	616.32	1/4	259.81	1/4		1/4		1/4		1/4	
1/2	2,019.89	1/2	1,664.27	1/2	1,308.23	1/2	961.68	1/2	608.89	1/2	252.38	1/2		1/2		1/2		1/2	
3/4	2,012.46	3/4	1,656.87	3/4	1,300.81	3/4	954.54	3/4	601.47	3/4	244.95	3/4		3/4		3/4		3/4	
9	2,005.03	9	1,649.47	9	1,293.38	9	947.40	9	594.04	9	237.52	9		9		9		9	
1/4	1,997.61	1/4	1,642.07	1/4	1,285.96	1/4	940.27	1/4	586.61	1/4	230.10	1/4		1/4		1/4		1/4	
1/2	1,990.18	1/2	1,634.67	1/2	1,278.53	1/2	933.13	1/2	579.18	1/2	222.67	1/2		1/2		1/2		1/2	
3/4	1,982.76	3/4	1,627.27	3/4	1,271.10	3/4	925.99	3/4	571.76	3/4	215.24	3/4		3/4		3/4		3/4	
10	1,975.33	10	1,619.87	10	1,263.68	10	918.85	10	564.33	10	207.81	10		10		10		10	
1/4	1,967.90	1/4	1,612.47	1/4	1,256.25	1/4	911.72	1/4	556.90	1/4	200.39	1/4		1/4		1/4		1/4	
1/2	1,960.48	1/2	1,605.07	1/2	1,248.83	1/2	904.58	1/2	549.47	1/2	192.96	1/2		1/2		1/2		1/2	
3/4	1,953.05	3/4	1,597.67	3/4	1,241.40	3/4	897.44	3/4	542.05	3/4	185.53	3/4		3/4		3/4		3/4	
11	1,945.62	11	1,590.27	11	1,233.97	11	890.30	11	534.62	11	178.10	11		11		11		11	
1/4	1,938.20	1/4	1,582.87	1/4	1,226.55	1/4	883.17	1/4	527.19	1/4	170.68	1/4		1/4		1/4		1/4	
1/2	1,930.77	1/2	1,575.47	1/2	1,219.12	1/2	876.03	1/2	519.76	1/2	163.25	1/2		1/2		1/2		1/2	
3/4	1,923.35	3/4	1,568.07	3/4	1,211.66	3/4	868.62	3/4	512.34	3/4	155.82	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/15/2015 CL
CALCULATED: 01/15/2015 CL
PRINTED: 01/15/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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



BARGE "KIRBY 29129"

3 STBD 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	0	0	0	4,378.11	0	4,136.47	0	3,889.32	0	3,630.19	0	3,359.35	0	3,005.62	0	2,648.45
1/4		1/4		1/4		1/4	4,373.46	1/4	4,131.45	1/4	3,884.04	1/4	3,624.66	1/4	3,353.63	1/4	2,998.18	1/4	2,641.01
1/2		1/2		1/2		1/2	4,368.80	1/2	4,126.42	1/2	3,878.77	1/2	3,619.14	1/2	3,347.91	1/2	2,990.74	1/2	2,633.57
3/4		3/4		3/4		3/4	4,364.64	3/4	4,121.38	3/4	3,873.47	3/4	3,613.59	3/4	3,340.46	3/4	2,983.30	3/4	2,626.13
1	1	1	1	1	1	1	4,360.47	1	4,116.34	1	3,868.18	1	3,608.05	1	3,333.02	1	2,975.86	1	2,618.69
1/4		1/4		1/4		1/4	4,356.30	1/4	4,111.29	1/4	3,862.88	1/4	3,602.50	1/4	3,325.58	1/4	2,968.41	1/4	2,611.25
1/2		1/2		1/2		1/2	4,352.13	1/2	4,106.25	1/2	3,857.59	1/2	3,596.95	1/2	3,318.14	1/2	2,960.97	1/2	2,603.81
3/4		3/4		3/4		3/4	4,346.76	3/4	4,101.19	3/4	3,852.28	3/4	3,591.38	3/4	3,310.70	3/4	2,953.53	3/4	2,596.36
2	2	2	2	2	2	2	4,341.39	2	4,096.12	2	3,846.96	2	3,585.82	2	3,303.26	2	2,946.09	2	2,588.92
1/4		1/4		1/4		1/4	4,336.02	1/4	4,091.05	1/4	3,841.65	1/4	3,580.25	1/4	3,295.82	1/4	2,938.65	1/4	2,581.48
1/2		1/2		1/2		1/2	4,330.65	1/2	4,085.99	1/2	3,836.34	1/2	3,574.69	1/2	3,288.38	1/2	2,931.21	1/2	2,574.04
3/4		3/4		3/4		3/4	4,324.93	3/4	4,080.90	3/4	3,831.00	3/4	3,569.11	3/4	3,280.94	3/4	2,923.77	3/4	2,566.60
3	3	3	3	3	3	3	4,319.21	3	4,075.82	3	3,825.66	3	3,563.52	3	3,273.50	3	2,916.33	3	2,559.16
1/4		1/4		1/4		1/4	4,313.49	1/4	4,070.73	1/4	3,820.33	1/4	3,557.94	1/4	3,266.05	1/4	2,908.89	1/4	2,551.72
1/2		1/2		1/2		1/2	4,307.77	1/2	4,065.65	1/2	3,814.99	1/2	3,552.35	1/2	3,258.61	1/2	2,901.45	1/2	2,544.28
3/4		3/4		3/4		3/4	4,302.05	3/4	4,060.54	3/4	3,809.64	3/4	3,546.75	3/4	3,251.17	3/4	2,894.00	3/4	2,536.84
4	4	4	4	4	4	4	4,296.33	4	4,055.43	4	3,804.28	4	3,541.14	4	3,243.73	4	2,886.56	4	2,529.40
1/4		1/4		1/4		1/4	4,290.61	1/4	4,050.33	1/4	3,798.92	1/4	3,535.53	1/4	3,236.29	1/4	2,879.12	1/4	2,521.95
1/2		1/2		1/2		1/2	4,284.89	1/2	4,045.22	1/2	3,793.57	1/2	3,529.93	1/2	3,228.85	1/2	2,871.68	1/2	2,514.51
3/4		3/4		3/4		3/4	4,280.01	3/4	4,040.09	3/4	3,788.19	3/4	3,524.30	3/4	3,221.41	3/4	2,864.24	3/4	2,507.07
5	5	5	5	5	5	5	4,275.13	5	4,034.97	5	3,782.81	5	3,518.68	5	3,213.97	5	2,856.80	5	2,499.63
1/4		1/4		1/4		1/4	4,270.25	1/4	4,029.84	1/4	3,777.43	1/4	3,513.05	1/4	3,206.53	1/4	2,849.36	1/4	2,492.19
1/2		1/2		1/2		1/2	4,265.38	1/2	4,024.71	1/2	3,772.06	1/2	3,507.42	1/2	3,199.09	1/2	2,841.92	1/2	2,484.75
3/4		3/4		3/4		3/4	4,260.48	3/4	4,019.56	3/4	3,766.66	3/4	3,501.77	3/4	3,191.64	3/4	2,834.48	3/4	2,477.31
6	6	6	6	6	6	6	4,255.58	6	4,014.41	6	3,761.26	6	3,496.13	6	3,184.20	6	2,827.04	6	2,469.87
1/4		1/4		1/4		1/4	4,250.68	1/4	4,009.26	1/4	3,755.87	1/4	3,490.48	1/4	3,176.76	1/4	2,819.59	1/4	2,462.43
1/2		1/2		1/2		1/2	4,245.78	1/2	4,004.11	1/2	3,750.47	1/2	3,484.83	1/2	3,169.32	1/2	2,812.15	1/2	2,454.99
3/4		3/4		3/4		3/4	4,240.86	3/4	3,998.95	3/4	3,745.05	3/4	3,479.16	3/4	3,161.88	3/4	2,804.71	3/4	2,447.54
7	7	7	7	7	7	7	4,235.94	7	3,993.78	7	3,739.63	7	3,473.49	7	3,154.44	7	2,797.27	7	2,440.10
1/4		1/4		1/4		1/4	4,231.02	1/4	3,988.61	1/4	3,734.21	1/4	3,467.83	1/4	3,147.00	1/4	2,789.83	1/4	2,432.66
1/2		1/2		1/2		1/2	4,226.09	1/2	3,983.44	1/2	3,728.79	1/2	3,462.16	1/2	3,139.56	1/2	2,782.39	1/2	2,425.22
3/4		3/4		3/4		3/4	4,221.15	3/4	3,978.25	3/4	3,723.35	3/4	3,456.47	3/4	3,132.12	3/4	2,774.95	3/4	2,417.78
8	8	8	8	8	8	8	4,216.21	8	3,973.05	8	3,717.91	8	3,450.78	8	3,124.68	8	2,767.51	8	2,410.34
1/4		1/4		1/4		1/4	4,211.28	1/4	3,967.86	1/4	3,712.47	1/4	3,445.09	1/4	3,117.23	1/4	2,760.07	1/4	2,402.90
1/2		1/2		1/2		1/2	4,206.34	1/2	3,962.67	1/2	3,707.03	1/2	3,439.39	1/2	3,109.79	1/2	2,752.63	1/2	2,395.46
3/4		3/4		3/4		3/4	4,201.37	3/4	3,957.46	3/4	3,701.57	3/4	3,433.68	3/4	3,102.35	3/4	2,745.18	3/4	2,388.02
9	9	9	9	9	9	9	4,196.41	9	3,952.25	9	3,696.11	9	3,427.98	9	3,094.91	9	2,737.74	9	2,380.58
1/4		1/4		1/4		1/4	4,191.44	1/4	3,947.04	1/4	3,690.64	1/4	3,422.27	1/4	3,087.47	1/4	2,730.30	1/4	2,373.13
1/2		1/2		1/2		1/2	4,186.48	1/2	3,941.83	1/2	3,685.18	1/2	3,416.56	1/2	3,080.03	1/2	2,722.86	1/2	2,365.69
3/4		3/4		3/4		3/4	4,181.49	3/4	3,936.59	3/4	3,679.70	3/4	3,410.83	3/4	3,072.59	3/4	2,715.42	3/4	2,358.25
10	10	10	10	10	10	10	4,176.51	10	3,931.36	10	3,674.22	10	3,405.11	10	3,065.15	10	2,707.98	10	2,350.81
1/4		1/4		1/4		1/4	4,171.53	1/4	3,926.12	1/4	3,668.74	1/4	3,399.39	1/4	3,057.71	1/4	2,700.54	1/4	2,343.37
1/2		1/2		1/2		1/2	4,166.55	1/2	3,920.89	1/2	3,663.26	1/2	3,393.67	1/2	3,050.27	1/2	2,693.10	1/2	2,335.93
3/4		3/4		3/4		3/4	4,161.54	3/4	3,915.63	3/4	3,657.75	3/4	3,387.95	3/4	3,042.82	3/4	2,685.66	3/4	2,328.49
11	11	11	11	11	11	11	4,156.53	11	3,910.38	11	3,652.24	11	3,382.23	11	3,035.38	11	2,678.22	11	2,321.05
1/4		1/4		1/4		1/4	4,151.53	1/4	3,905.13	1/4	3,646.74	1/4	3,376.51	1/4	3,027.94	1/4	2,670.77	1/4	2,313.61
1/2		1/2		1/2		1/2	4,387.41	1/2	4,146.52	1/2	3,899.88	1/2	3,641.23	1/2	3,370.79	1/2	3,020.50	1/2	2,663.33
3/4		3/4		3/4		3/4	4,382.76	3/4	4,141.49	3/4	3,894.60	3/4	3,635.71	3/4	3,365.07	3/4	3,013.06	3/4	2,655.89

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 29129"

3 STBD 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	2,291.28	0	1,934.12	0	1,576.95	0	1,219.78	0	862.87	0	505.83	0	148.67	0		0		0	
1/4	2,283.84	1/4	1,926.67	1/4	1,569.51	1/4	1,212.34	1/4	855.44	1/4	498.39	1/4	141.23	1/4		1/4		1/4	
1/2	2,276.40	1/2	1,919.23	1/2	1,562.07	1/2	1,204.90	1/2	848.02	1/2	490.95	1/2	133.79	1/2		1/2		1/2	
3/4	2,268.96	3/4	1,911.79	3/4	1,554.62	3/4	1,197.46	3/4	840.59	3/4	483.51	3/4	126.35	3/4		3/4		3/4	
1	2,261.52	1	1,904.35	1	1,547.18	1	1,190.02	1	833.16	1	476.07	1	118.91	1		1		1	
1/4	2,254.08	1/4	1,896.91	1/4	1,539.74	1/4	1,182.57	1/4	825.73	1/4	468.63	1/4	111.47	1/4		1/4		1/4	
1/2	2,246.64	1/2	1,889.47	1/2	1,532.30	1/2	1,175.13	1/2	818.30	1/2	461.19	1/2	104.03	1/2		1/2		1/2	
3/4	2,239.20	3/4	1,882.03	3/4	1,524.86	3/4	1,167.69	3/4	810.87	3/4	453.75	3/4	96.91	3/4		3/4		3/4	
2	2,231.76	2	1,874.59	2	1,517.42	2	1,160.25	2	803.44	2	446.31	2	89.78	2		2		2	
1/4	2,224.31	1/4	1,867.15	1/4	1,509.98	1/4	1,152.81	1/4	796.01	1/4	438.87	1/4	82.65	1/4		1/4		1/4	
1/2	2,216.87	1/2	1,859.71	1/2	1,502.54	1/2	1,145.37	1/2	788.58	1/2	431.42	1/2	75.53	1/2		1/2		1/2	
3/4	2,209.43	3/4	1,852.26	3/4	1,495.10	3/4	1,137.93	3/4	781.14	3/4	423.98	3/4	69.34	3/4		3/4		3/4	
3	2,201.99	3	1,844.82	3	1,487.66	3	1,130.49	3	773.70	3	416.54	3	63.15	3		3		3	
1/4	2,194.55	1/4	1,837.38	1/4	1,480.21	1/4	1,123.05	1/4	766.26	1/4	409.10	1/4	56.97	1/4		1/4		1/4	
1/2	2,187.11	1/2	1,829.94	1/2	1,472.77	1/2	1,115.61	1/2	758.82	1/2	401.66	1/2	50.78	1/2		1/2		1/2	
3/4	2,179.67	3/4	1,822.50	3/4	1,465.33	3/4	1,108.16	3/4	751.38	3/4	394.22	3/4	45.85	3/4		3/4		3/4	
4	2,172.23	4	1,815.06	4	1,457.89	4	1,100.72	4	743.94	4	386.78	4	40.91	4		4		4	
1/4	2,164.79	1/4	1,807.62	1/4	1,450.45	1/4	1,093.28	1/4	736.50	1/4	379.34	1/4	35.98	1/4		1/4		1/4	
1/2	2,157.35	1/2	1,800.18	1/2	1,443.01	1/2	1,085.84	1/2	729.06	1/2	371.90	1/2	31.05	1/2		1/2		1/2	
3/4	2,149.90	3/4	1,792.74	3/4	1,435.57	3/4	1,078.40	3/4	721.62	3/4	364.46	3/4	27.38	3/4		3/4		3/4	
5	2,142.46	5	1,785.30	5	1,428.13	5	1,070.96	5	714.17	5	357.02	5	23.71	5		5		5	
1/4	2,135.02	1/4	1,777.85	1/4	1,420.69	1/4	1,063.52	1/4	706.73	1/4	349.58	1/4	20.04	1/4		1/4		1/4	
1/2	2,127.58	1/2	1,770.41	1/2	1,413.25	1/2	1,056.08	1/2	699.29	1/2	342.13	1/2	16.37	1/2		1/2		1/2	
3/4	2,120.14	3/4	1,762.97	3/4	1,405.80	3/4	1,048.64	3/4	691.85	3/4	334.69	3/4		3/4		3/4		3/4	
6	2,112.70	6	1,755.53	6	1,398.36	6	1,041.20	6	684.41	6	327.25	6		6		6		6	
1/4	2,105.26	1/4	1,748.09	1/4	1,390.92	1/4	1,033.75	1/4	676.97	1/4	319.81	1/4		1/4		1/4		1/4	
1/2	2,097.82	1/2	1,740.65	1/2	1,383.48	1/2	1,026.31	1/2	669.53	1/2	312.37	1/2		1/2		1/2		1/2	
3/4	2,090.38	3/4	1,733.21	3/4	1,376.04	3/4	1,018.88	3/4	662.09	3/4	304.93	3/4		3/4		3/4		3/4	
7	2,082.94	7	1,725.77	7	1,368.60	7	1,011.46	7	654.65	7	297.49	7		7		7		7	
1/4	2,075.49	1/4	1,718.33	1/4	1,361.16	1/4	1,004.03	1/4	647.21	1/4	290.05	1/4		1/4		1/4		1/4	
1/2	2,068.05	1/2	1,710.89	1/2	1,353.72	1/2	996.60	1/2	639.77	1/2	282.61	1/2		1/2		1/2		1/2	
3/4	2,060.61	3/4	1,703.44	3/4	1,346.28	3/4	989.17	3/4	632.33	3/4	275.17	3/4		3/4		3/4		3/4	
8	2,053.17	8	1,696.00	8	1,338.84	8	981.74	8	624.89	8	267.73	8		8		8		8	
1/4	2,045.73	1/4	1,688.56	1/4	1,331.39	1/4	974.31	1/4	617.44	1/4	260.29	1/4		1/4		1/4		1/4	
1/2	2,038.29	1/2	1,681.12	1/2	1,323.95	1/2	966.88	1/2	610.00	1/2	252.85	1/2		1/2		1/2		1/2	
3/4	2,030.85	3/4	1,673.68	3/4	1,316.51	3/4	959.45	3/4	602.56	3/4	245.40	3/4		3/4		3/4		3/4	
9	2,023.41	9	1,666.24	9	1,309.07	9	952.02	9	595.12	9	237.96	9		9		9		9	
1/4	2,015.97	1/4	1,658.80	1/4	1,301.63	1/4	944.59	1/4	587.68	1/4	230.52	1/4		1/4		1/4		1/4	
1/2	2,008.53	1/2	1,651.36	1/2	1,294.19	1/2	937.16	1/2	580.24	1/2	223.08	1/2		1/2		1/2		1/2	
3/4	2,001.08	3/4	1,643.92	3/4	1,286.75	3/4	929.74	3/4	572.80	3/4	215.64	3/4		3/4		3/4		3/4	
10	1,993.64	10	1,636.48	10	1,279.31	10	922.31	10	565.36	10	208.20	10		10		10		10	
1/4	1,986.20	1/4	1,629.03	1/4	1,271.87	1/4	914.88	1/4	557.92	1/4	200.76	1/4		1/4		1/4		1/4	
1/2	1,978.76	1/2	1,621.59	1/2	1,264.43	1/2	907.45	1/2	550.48	1/2	193.32	1/2		1/2		1/2		1/2	
3/4	1,971.32	3/4	1,614.15	3/4	1,256.98	3/4	900.02	3/4	543.04	3/4	185.88	3/4		3/4		3/4		3/4	
11	1,963.88	11	1,606.71	11	1,249.54	11	892.59	11	535.60	11	178.44	11		11		11		11	
1/4	1,956.44	1/4	1,599.27	1/4	1,242.10	1/4	885.16	1/4	528.15	1/4	171.00	1/4		1/4		1/4		1/4	
1/2	1,949.00	1/2	1,591.83	1/2	1,234.66	1/2	877.73	1/2	520.71	1/2	163.56	1/2		1/2		1/2		1/2	
3/4	1,941.56	3/4	1,584.39	3/4	1,227.22	3/4	870.30	3/4	513.27	3/4	156.11	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/15/2015 CL
CALCULATED: 01/15/2015 CL
PRINTED: 01/15/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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