



BARGE "KIRBY 29127"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 261'-00"

December 19, 2014

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29127"

1 PORT 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	4,951.96	0	4,619.84	0	4,281.10	0	3,925.89	0	3,554.73	0	3,178.75	0	2,801.23
1/4		1/4		1/4		1/4	4,946.58	1/4	4,612.95	1/4	4,273.87	1/4	3,918.32	1/4	3,546.90	1/4	3,170.89	1/4	2,793.37
1/2		1/2		1/2		1/2	4,941.21	1/2	4,606.07	1/2	4,266.64	1/2	3,910.74	1/2	3,539.07	1/2	3,163.02	1/2	2,785.50
3/4		3/4		3/4		3/4	4,934.54	3/4	4,599.16	3/4	4,259.38	3/4	3,903.14	3/4	3,531.24	3/4	3,155.16	3/4	2,777.64
1	1	1	1	1	1	1	4,927.87	1	4,592.25	1	4,252.13	1	3,895.53	1	3,523.41	1	3,147.29	1	2,769.77
1/4		1/4		1/4		1/4	4,921.20	1/4	4,585.33	1/4	4,244.87	1/4	3,887.93	1/4	3,515.58	1/4	3,139.43	1/4	2,761.91
1/2		1/2		1/2		1/2	4,914.54	1/2	4,578.42	1/2	4,237.62	1/2	3,880.33	1/2	3,507.75	1/2	3,131.56	1/2	2,754.04
3/4		3/4		3/4		3/4	4,906.94	3/4	4,571.48	3/4	4,230.33	3/4	3,872.70	3/4	3,499.92	3/4	3,123.70	3/4	2,746.18
2	2	2	2	2	2	2	4,899.33	2	4,564.54	2	4,223.05	2	3,865.07	2	3,492.09	2	3,115.83	2	2,738.31
1/4		1/4		1/4		1/4	4,891.73	1/4	4,557.60	1/4	4,215.76	1/4	3,857.44	1/4	3,484.26	1/4	3,107.97	1/4	2,730.45
1/2		1/2		1/2		1/2	4,884.13	1/2	4,550.66	1/2	4,208.48	1/2	3,849.81	1/2	3,476.43	1/2	3,100.10	1/2	2,722.58
3/4		3/4		3/4		3/4	4,876.30	3/4	4,543.69	3/4	4,201.17	3/4	3,842.16	3/4	3,468.60	3/4	3,092.24	3/4	2,714.72
3	3	3	3	3	3	3	4,868.47	3	4,536.72	3	4,193.85	3	3,834.50	3	3,460.77	3	3,084.37	3	2,706.85
1/4		1/4		1/4		1/4	4,860.64	1/4	4,529.75	1/4	4,186.54	1/4	3,826.85	1/4	3,452.94	1/4	3,076.51	1/4	2,698.99
1/2		1/2		1/2		1/2	4,852.81	1/2	4,522.78	1/2	4,179.23	1/2	3,819.19	1/2	3,445.11	1/2	3,068.64	1/2	2,691.12
3/4		3/4		3/4		3/4	4,845.41	3/4	4,515.78	3/4	4,171.88	3/4	3,811.50	3/4	3,437.28	3/4	3,060.78	3/4	2,683.26
4	4	4	4	4	4	4	4,838.02	4	4,508.78	4	4,164.54	4	3,803.82	4	3,429.45	4	3,052.91	4	2,675.39
1/4		1/4		1/4		1/4	4,830.62	1/4	4,501.78	1/4	4,157.20	1/4	3,796.13	1/4	3,421.62	1/4	3,045.05	1/4	2,667.53
1/2		1/2		1/2		1/2	4,823.22	1/2	4,494.78	1/2	4,149.86	1/2	3,788.45	1/2	3,413.79	1/2	3,037.18	1/2	2,659.66
3/4		3/4		3/4		3/4	4,816.54	3/4	4,487.76	3/4	4,142.49	3/4	3,780.73	3/4	3,405.96	3/4	3,029.32	3/4	2,651.80
5	5	5	5	5	5	5	4,809.85	5	4,480.73	5	4,135.12	5	3,773.02	5	3,398.13	5	3,021.45	5	2,643.93
1/4		1/4		1/4		1/4	4,803.17	1/4	4,473.70	1/4	4,127.75	1/4	3,765.30	1/4	3,390.30	1/4	3,013.59	1/4	2,636.07
1/2		1/2		1/2		1/2	4,796.48	1/2	4,466.67	1/2	4,120.37	1/2	3,757.59	1/2	3,382.47	1/2	3,005.72	1/2	2,628.20
3/4		3/4		3/4		3/4	4,789.77	3/4	4,459.62	3/4	4,112.97	3/4	3,749.85	3/4	3,374.64	3/4	2,997.86	3/4	2,620.34
6	6	6	6	6	6	6	4,783.06	6	4,452.56	6	4,105.58	6	3,742.10	6	3,366.81	6	2,989.99	6	2,612.47
1/4		1/4		1/4		1/4	4,776.34	1/4	4,445.50	1/4	4,098.18	1/4	3,734.36	1/4	3,358.98	1/4	2,982.13	1/4	2,604.61
1/2		1/2		1/2		1/2	4,769.63	1/2	4,438.45	1/2	4,090.78	1/2	3,726.62	1/2	3,351.15	1/2	2,974.26	1/2	2,596.74
3/4		3/4		3/4		3/4	4,762.89	3/4	4,431.36	3/4	4,083.35	3/4	3,718.85	3/4	3,343.32	3/4	2,966.40	3/4	2,588.88
7	7	7	7	7	7	7	4,756.14	7	4,424.27	7	4,075.92	7	3,711.07	7	3,335.49	7	2,958.53	7	2,581.01
1/4		1/4		1/4		1/4	4,749.40	1/4	4,417.19	1/4	4,068.49	1/4	3,703.30	1/4	3,327.66	1/4	2,950.67	1/4	2,573.15
1/2		1/2		1/2		1/2	4,742.66	1/2	4,410.10	1/2	4,061.06	1/2	3,695.53	1/2	3,319.83	1/2	2,942.80	1/2	2,565.28
3/4		3/4		3/4		3/4	4,735.88	3/4	4,402.99	3/4	4,053.60	3/4	3,687.73	3/4	3,312.00	3/4	2,934.94	3/4	2,557.42
8	8	8	8	8	8	8	4,729.11	8	4,395.87	8	4,046.15	8	3,679.93	8	3,304.17	8	2,927.07	8	2,549.55
1/4		1/4		1/4		1/4	4,722.34	1/4	4,388.76	1/4	4,038.69	1/4	3,672.13	1/4	3,296.34	1/4	2,919.21	1/4	2,541.69
1/2		1/2		1/2		1/2	4,715.57	1/2	4,381.64	1/2	4,031.23	1/2	3,664.33	1/2	3,288.51	1/2	2,911.34	1/2	2,533.82
3/4		3/4		3/4		3/4	4,708.77	3/4	4,374.50	3/4	4,023.74	3/4	3,656.50	3/4	3,280.68	3/4	2,903.48	3/4	2,525.96
9	9	9	9	9	9	9	4,701.97	9	4,367.36	9	4,016.26	9	3,648.68	9	3,272.85	9	2,895.61	9	2,518.09
1/4		1/4		1/4		1/4	4,695.17	1/4	4,360.21	1/4	4,008.77	1/4	3,640.86	1/4	3,265.02	1/4	2,887.75	1/4	2,510.23
1/2		1/2		1/2		1/2	4,688.36	1/2	4,353.07	1/2	4,001.28	1/2	3,633.04	1/2	3,257.19	1/2	2,879.88	1/2	2,502.36
3/4		3/4		3/4		3/4	4,681.53	3/4	4,345.89	3/4	3,993.77	3/4	3,625.21	3/4	3,249.36	3/4	2,872.02	3/4	2,494.50
10	10	10	10	10	10	10	4,674.70	10	4,338.72	10	3,986.25	10	3,617.38	10	3,241.53	10	2,864.15	10	2,486.63
1/4		1/4		1/4		1/4	4,667.87	1/4	4,331.55	1/4	3,978.73	1/4	3,609.55	1/4	3,233.70	1/4	2,856.29	1/4	2,478.77
1/2		1/2		1/2		1/2	4,661.05	1/2	4,324.37	1/2	3,971.22	1/2	3,601.72	1/2	3,225.87	1/2	2,848.42	1/2	2,470.90
3/4		3/4		3/4		3/4	4,654.19	3/4	4,317.17	3/4	3,963.67	3/4	3,593.89	3/4	3,218.02	3/4	2,840.56	3/4	2,463.04
11	11	11	11	11	11	11	4,647.33	11	4,309.97	11	3,956.13	11	3,586.05	11	3,210.17	11	2,832.69	11	2,455.17
1/4		1/4		1/4		1/4	4,640.47	1/4	4,302.77	1/4	3,948.58	1/4	3,578.22	1/4	3,202.33	1/4	2,824.83	1/4	2,447.31
1/2		1/2		1/2		1/2	4,633.60	1/2	4,295.57	1/2	3,941.04	1/2	3,570.39	1/2	3,194.48	1/2	2,816.96	1/2	2,439.44
3/4		3/4		3/4		3/4	4,626.72	3/4	4,288.34	3/4	3,933.46	3/4	3,562.56	3/4	3,186.62	3/4	2,809.10	3/4	2,431.58

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 29127"

1 PORT 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	2,423.71	0	2,046.19	0	1,668.67	0	1,292.49	0	915.79	0	538.30	0	189.20	0		0		0	
1/4	2,415.85	1/4	2,038.33	1/4	1,660.81	1/4	1,284.67	1/4	907.92	1/4	530.44	1/4	182.58	1/4		1/4		1/4	
1/2	2,407.98	1/2	2,030.46	1/2	1,652.94	1/2	1,276.86	1/2	900.06	1/2	522.59	1/2	175.96	1/2		1/2		1/2	
3/4	2,400.12	3/4	2,022.60	3/4	1,645.08	3/4	1,269.04	3/4	892.19	3/4	514.78	3/4	169.45	3/4		3/4		3/4	
1	2,392.25	1	2,014.73	1	1,637.21	1	1,261.23	1	884.33	1	506.98	1	162.94	1		1		1	
1/4	2,384.39	1/4	2,006.87	1/4	1,629.35	1/4	1,253.41	1/4	876.46	1/4	499.17	1/4	156.43	1/4		1/4		1/4	
1/2	2,376.52	1/2	1,999.00	1/2	1,621.48	1/2	1,245.60	1/2	868.60	1/2	491.36	1/2	149.92	1/2		1/2		1/2	
3/4	2,368.66	3/4	1,991.14	3/4	1,613.62	3/4	1,237.78	3/4	860.73	3/4	483.65	3/4	143.53	3/4		3/4		3/4	
2	2,360.79	2	1,983.27	2	1,605.75	2	1,229.96	2	852.87	2	475.93	2	137.13	2		2		2	
1/4	2,352.93	1/4	1,975.41	1/4	1,597.89	1/4	1,222.15	1/4	845.00	1/4	468.22	1/4	130.74	1/4		1/4		1/4	
1/2	2,345.06	1/2	1,967.54	1/2	1,590.02	1/2	1,214.33	1/2	837.14	1/2	460.50	1/2	124.34	1/2		1/2		1/2	
3/4	2,337.20	3/4	1,959.68	3/4	1,582.16	3/4	1,206.52	3/4	829.28	3/4	452.90	3/4	118.07	3/4		3/4		3/4	
3	2,329.33	3	1,951.81	3	1,574.29	3	1,198.70	3	821.41	3	445.29	3	111.79	3		3		3	
1/4	2,321.47	1/4	1,943.95	1/4	1,566.43	1/4	1,190.89	1/4	813.55	1/4	437.69	1/4	105.52	1/4		1/4		1/4	
1/2	2,313.60	1/2	1,936.08	1/2	1,558.56	1/2	1,183.07	1/2	805.68	1/2	430.08	1/2	99.25	1/2		1/2		1/2	
3/4	2,305.74	3/4	1,928.22	3/4	1,550.71	3/4	1,175.24	3/4	797.82	3/4	422.59	3/4	93.10	3/4		3/4		3/4	
4	2,297.87	4	1,920.35	4	1,542.85	4	1,167.40	4	789.95	4	415.09	4	86.96	4		4		4	
1/4	2,290.01	1/4	1,912.49	1/4	1,535.00	1/4	1,159.57	1/4	782.09	1/4	407.59	1/4	80.81	1/4		1/4		1/4	
1/2	2,282.14	1/2	1,904.62	1/2	1,527.15	1/2	1,151.73	1/2	774.22	1/2	400.10	1/2	74.67	1/2		1/2		1/2	
3/4	2,274.28	3/4	1,896.76	3/4	1,519.31	3/4	1,143.87	3/4	766.36	3/4	392.71	3/4	68.66	3/4		3/4		3/4	
5	2,266.41	5	1,888.89	5	1,511.48	5	1,136.00	5	758.49	5	385.32	5	62.66	5		5		5	
1/4	2,258.55	1/4	1,881.03	1/4	1,503.64	1/4	1,128.14	1/4	750.63	1/4	377.94	1/4	56.66	1/4		1/4		1/4	
1/2	2,250.68	1/2	1,873.16	1/2	1,495.80	1/2	1,120.27	1/2	742.76	1/2	370.55	1/2	50.65	1/2		1/2		1/2	
3/4	2,242.82	3/4	1,865.30	3/4	1,487.97	3/4	1,112.41	3/4	734.90	3/4	363.27	3/4	45.24	3/4		3/4		3/4	
6	2,234.95	6	1,857.43	6	1,480.14	6	1,104.54	6	727.03	6	356.00	6	39.83	6		6		6	
1/4	2,227.09	1/4	1,849.57	1/4	1,472.31	1/4	1,096.68	1/4	719.17	1/4	348.72	1/4	34.42	1/4		1/4		1/4	
1/2	2,219.22	1/2	1,841.70	1/2	1,464.48	1/2	1,088.81	1/2	711.30	1/2	341.44	1/2	29.01	1/2		1/2		1/2	
3/4	2,211.36	3/4	1,833.84	3/4	1,456.66	3/4	1,080.95	3/4	703.44	3/4	334.27	3/4	25.05	3/4		3/4		3/4	
7	2,203.49	7	1,825.97	7	1,448.84	7	1,073.08	7	695.57	7	327.10	7	21.09	7		7		7	
1/4	2,195.63	1/4	1,818.11	1/4	1,441.01	1/4	1,065.22	1/4	687.71	1/4	319.94	1/4	17.13	1/4		1/4		1/4	
1/2	2,187.76	1/2	1,810.24	1/2	1,433.19	1/2	1,057.35	1/2	679.84	1/2	312.77	1/2	13.17	1/2		1/2		1/2	
3/4	2,179.90	3/4	1,802.38	3/4	1,425.37	3/4	1,049.49	3/4	671.98	3/4	305.71	3/4		3/4		3/4		3/4	
8	2,172.03	8	1,794.51	8	1,417.55	8	1,041.62	8	664.11	8	298.65	8		8		8		8	
1/4	2,164.17	1/4	1,786.65	1/4	1,409.73	1/4	1,033.76	1/4	656.25	1/4	291.59	1/4		1/4		1/4		1/4	
1/2	2,156.30	1/2	1,778.78	1/2	1,401.91	1/2	1,025.90	1/2	648.38	1/2	284.53	1/2		1/2		1/2		1/2	
3/4	2,148.44	3/4	1,770.92	3/4	1,394.09	3/4	1,018.03	3/4	640.52	3/4	277.58	3/4		3/4		3/4		3/4	
9	2,140.57	9	1,763.05	9	1,386.28	9	1,010.17	9	632.66	9	270.63	9		9		9		9	
1/4	2,132.71	1/4	1,755.19	1/4	1,378.46	1/4	1,002.30	1/4	624.79	1/4	263.68	1/4		1/4		1/4		1/4	
1/2	2,124.84	1/2	1,747.32	1/2	1,370.65	1/2	994.44	1/2	616.93	1/2	256.73	1/2		1/2		1/2		1/2	
3/4	2,116.98	3/4	1,739.46	3/4	1,362.83	3/4	986.57	3/4	609.06	3/4	249.89	3/4		3/4		3/4		3/4	
10	2,109.11	10	1,731.59	10	1,355.02	10	978.71	10	601.20	10	243.05	10		10		10		10	
1/4	2,101.25	1/4	1,723.73	1/4	1,347.20	1/4	970.84	1/4	593.33	1/4	236.21	1/4		1/4		1/4		1/4	
1/2	2,093.38	1/2	1,715.86	1/2	1,339.38	1/2	962.98	1/2	585.47	1/2	229.37	1/2		1/2		1/2		1/2	
3/4	2,085.52	3/4	1,708.00	3/4	1,331.57	3/4	955.11	3/4	577.60	3/4	222.64	3/4		3/4		3/4		3/4	
11	2,077.65	11	1,700.13	11	1,323.75	11	947.25	11	569.74	11	215.91	11		11		11		11	
1/4	2,069.79	1/4	1,692.27	1/4	1,315.94	1/4	939.38	1/4	561.87	1/4	209.18	1/4		1/4		1/4		1/4	
1/2	2,061.92	1/2	1,684.40	1/2	1,308.12	1/2	931.52	1/2	554.01	1/2	202.45	1/2		1/2		1/2		1/2	
3/4	2,054.06	3/4	1,676.54	3/4	1,300.31	3/4	923.65	3/4	546.15	3/4	195.83	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2014 CL
CALCULATED: 12/19/2014 CL
PRINTED: 12/19/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2014

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



BARGE "KIRBY 29127"

1 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	4,952.58	0	4,620.54	0	4,281.88	0	3,926.75	0	3,555.68	0	3,179.79	0	2,802.36
1/4		1/4		1/4		1/4	4,947.21	1/4	4,613.66	1/4	4,274.65	1/4	3,919.18	1/4	3,547.86	1/4	3,171.93	1/4	2,794.50
1/2		1/2		1/2		1/2	4,941.84	1/2	4,606.78	1/2	4,267.42	1/2	3,911.61	1/2	3,540.03	1/2	3,164.07	1/2	2,786.63
3/4		3/4		3/4		3/4	4,935.17	3/4	4,599.87	3/4	4,260.17	3/4	3,904.01	3/4	3,532.20	3/4	3,156.20	3/4	2,778.77
1		1		1		1	4,928.50	1	4,592.96	1	4,252.92	1	3,896.40	1	3,524.37	1	3,148.34	1	2,770.91
1/4		1/4		1/4		1/4	4,921.84	1/4	4,586.05	1/4	4,245.66	1/4	3,888.80	1/4	3,516.54	1/4	3,140.48	1/4	2,763.04
1/2		1/2		1/2		1/2	4,915.17	1/2	4,579.14	1/2	4,238.41	1/2	3,881.20	1/2	3,508.71	1/2	3,132.61	1/2	2,755.18
3/4		3/4		3/4		3/4	4,907.57	3/4	4,572.20	3/4	4,231.13	3/4	3,873.57	3/4	3,500.89	3/4	3,124.75	3/4	2,747.32
2		2		2		2	4,899.97	2	4,565.26	2	4,223.84	2	3,865.95	2	3,493.06	2	3,116.89	2	2,739.45
1/4		1/4		1/4		1/4	4,892.37	1/4	4,558.32	1/4	4,216.56	1/4	3,858.32	1/4	3,485.23	1/4	3,109.02	1/4	2,731.59
1/2		1/2		1/2		1/2	4,884.77	1/2	4,551.38	1/2	4,209.28	1/2	3,850.69	1/2	3,477.40	1/2	3,101.16	1/2	2,723.73
3/4		3/4		3/4		3/4	4,876.95	3/4	4,544.41	3/4	4,201.97	3/4	3,843.04	3/4	3,469.57	3/4	3,093.30	3/4	2,715.86
3		3		3		3	4,869.12	3	4,537.44	3	4,194.65	3	3,835.39	3	3,461.74	3	3,085.43	3	2,708.00
1/4		1/4		1/4		1/4	4,861.29	1/4	4,530.47	1/4	4,187.34	1/4	3,827.73	1/4	3,453.92	1/4	3,077.57	1/4	2,700.14
1/2		1/2		1/2		1/2	4,853.46	1/2	4,523.50	1/2	4,180.03	1/2	3,820.08	1/2	3,446.09	1/2	3,069.71	1/2	2,692.27
3/4		3/4		3/4		3/4	4,846.07	3/4	4,516.51	3/4	4,172.69	3/4	3,812.39	3/4	3,438.26	3/4	3,061.85	3/4	2,684.41
4		4		4		4	4,838.67	4	4,509.51	4	4,165.35	4	3,804.71	4	3,430.43	4	3,053.98	4	2,676.55
1/4		1/4		1/4		1/4	4,831.27	1/4	4,502.51	1/4	4,158.01	1/4	3,797.03	1/4	3,422.60	1/4	3,046.12	1/4	2,668.69
1/2		1/2		1/2		1/2	4,823.88	1/2	4,495.51	1/2	4,150.67	1/2	3,789.34	1/2	3,414.77	1/2	3,038.26	1/2	2,660.82
3/4		3/4		3/4		3/4	4,817.19	3/4	4,488.49	3/4	4,143.30	3/4	3,781.63	3/4	3,406.95	3/4	3,030.39	3/4	2,652.96
5		5		5		5	4,810.51	5	4,481.46	5	4,135.93	5	3,773.92	5	3,399.12	5	3,022.53	5	2,645.10
1/4		1/4		1/4		1/4	4,803.83	1/4	4,474.44	1/4	4,128.56	1/4	3,766.21	1/4	3,391.29	1/4	3,014.67	1/4	2,637.23
1/2		1/2		1/2		1/2	4,797.14	1/2	4,467.41	1/2	4,121.19	1/2	3,758.49	1/2	3,383.46	1/2	3,006.80	1/2	2,629.37
3/4		3/4		3/4		3/4	4,790.43	3/4	4,460.36	3/4	4,113.79	3/4	3,750.75	3/4	3,375.63	3/4	2,998.94	3/4	2,621.51
6		6		6		6	4,783.72	6	4,453.30	6	4,106.40	6	3,743.01	6	3,367.80	6	2,991.08	6	2,613.64
1/4		1/4		1/4		1/4	4,777.01	1/4	4,446.25	1/4	4,099.00	1/4	3,735.27	1/4	3,359.97	1/4	2,983.21	1/4	2,605.78
1/2		1/2		1/2		1/2	4,770.30	1/2	4,439.19	1/2	4,091.60	1/2	3,727.53	1/2	3,352.15	1/2	2,975.35	1/2	2,597.92
3/4		3/4		3/4		3/4	4,763.56	3/4	4,432.11	3/4	4,084.17	3/4	3,719.76	3/4	3,344.32	3/4	2,967.49	3/4	2,590.05
7		7		7		7	4,756.81	7	4,425.02	7	4,076.75	7	3,711.99	7	3,336.49	7	2,959.62	7	2,582.19
1/4		1/4		1/4		1/4	4,750.07	1/4	4,417.94	1/4	4,069.32	1/4	3,704.22	1/4	3,328.66	1/4	2,951.76	1/4	2,574.33
1/2		1/2		1/2		1/2	4,743.33	1/2	4,410.85	1/2	4,061.89	1/2	3,696.45	1/2	3,320.83	1/2	2,943.90	1/2	2,566.46
3/4		3/4		3/4		3/4	4,736.56	3/4	4,403.74	3/4	4,054.44	3/4	3,688.65	3/4	3,313.00	3/4	2,936.03	3/4	2,558.60
8		8		8		8	4,729.79	8	4,396.63	8	4,046.98	8	3,680.85	8	3,305.18	8	2,928.17	8	2,550.74
1/4		1/4		1/4		1/4	4,723.02	1/4	4,389.51	1/4	4,039.53	1/4	3,673.05	1/4	3,297.35	1/4	2,920.31	1/4	2,542.87
1/2		1/2		1/2		1/2	4,716.25	1/2	4,382.40	1/2	4,032.07	1/2	3,665.25	1/2	3,289.52	1/2	2,912.44	1/2	2,535.01
3/4		3/4		3/4		3/4	4,709.45	3/4	4,375.26	3/4	4,024.58	3/4	3,657.43	3/4	3,281.69	3/4	2,904.58	3/4	2,527.15
9		9		9		9	4,702.65	9	4,368.12	9	4,017.10	9	3,649.61	9	3,273.86	9	2,896.72	9	2,519.28
1/4		1/4		1/4		1/4	4,695.85	1/4	4,360.97	1/4	4,009.61	1/4	3,641.79	1/4	3,266.03	1/4	2,888.85	1/4	2,511.42
1/2		1/2		1/2		1/2	4,689.05	1/2	4,353.83	1/2	4,002.13	1/2	3,633.97	1/2	3,258.21	1/2	2,880.99	1/2	2,503.56
3/4		3/4		3/4		3/4	4,682.22	3/4	4,346.66	3/4	3,994.61	3/4	3,626.14	3/4	3,250.38	3/4	2,873.13	3/4	2,495.69
10		10		10		10	4,675.39	10	4,339.49	10	3,987.10	10	3,618.31	10	3,242.55	10	2,865.27	10	2,487.83
1/4		1/4		1/4		1/4	4,668.57	1/4	4,332.32	1/4	3,979.59	1/4	3,610.48	1/4	3,234.72	1/4	2,857.40	1/4	2,479.97
1/2		1/2		1/2		1/2	4,661.74	1/2	4,325.15	1/2	3,972.07	1/2	3,602.65	1/2	3,226.89	1/2	2,849.54	1/2	2,472.11
3/4		3/4		3/4		3/4	4,654.88	3/4	4,317.95	3/4	3,964.53	3/4	3,594.83	3/4	3,219.05	3/4	2,841.68	3/4	2,464.24
11		11		11		11	4,648.02	11	4,310.75	11	3,956.98	11	3,587.00	11	3,211.21	11	2,833.81	11	2,456.38
1/4		1/4		1/4		1/4	4,641.16	1/4	4,303.55	1/4	3,949.44	1/4	3,579.17	1/4	3,203.36	1/4	2,825.95	1/4	2,448.52
1/2		1/2		1/2		1/2	4,634.30	1/2	4,296.35	1/2	3,941.90	1/2	3,571.34	1/2	3,195.52	1/2	2,818.09	1/2	2,440.65
3/4		3/4		3/4		3/4	4,627.42	3/4	4,289.12	3/4	3,934.32	3/4	3,563.51	3/4	3,187.66	3/4	2,810.22	3/4	2,432.79

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "KIRBY 29127"

**1 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	2,424.93	0	2,047.49	0	1,670.06	0	1,292.63	0	915.48	0	538.17	0	189.16	0		0		0	
1/4	2,417.06	1/4	2,039.63	1/4	1,662.20	1/4	1,284.76	1/4	907.62	1/4	530.32	1/4	182.54	1/4		1/4		1/4	
1/2	2,409.20	1/2	2,031.77	1/2	1,654.33	1/2	1,276.90	1/2	899.77	1/2	522.47	1/2	175.92	1/2		1/2		1/2	
3/4	2,401.34	3/4	2,023.90	3/4	1,646.47	3/4	1,269.04	3/4	891.92	3/4	514.66	3/4	169.41	3/4		3/4		3/4	
1	2,393.47	1	2,016.04	1	1,638.61	1	1,261.17	1	884.07	1	506.86	1	162.90	1		1		1	
1/4	2,385.61	1/4	2,008.18	1/4	1,630.74	1/4	1,253.31	1/4	876.22	1/4	499.05	1/4	156.39	1/4		1/4		1/4	
1/2	2,377.75	1/2	2,000.31	1/2	1,622.88	1/2	1,245.45	1/2	868.37	1/2	491.25	1/2	149.88	1/2		1/2		1/2	
3/4	2,369.88	3/4	1,992.45	3/4	1,615.02	3/4	1,237.58	3/4	860.51	3/4	483.54	3/4	143.49	3/4		3/4		3/4	
2	2,362.02	2	1,984.59	2	1,607.15	2	1,229.72	2	852.66	2	475.82	2	137.10	2		2		2	
1/4	2,354.16	1/4	1,976.72	1/4	1,599.29	1/4	1,221.86	1/4	844.80	1/4	468.11	1/4	130.71	1/4		1/4		1/4	
1/2	2,346.29	1/2	1,968.86	1/2	1,591.43	1/2	1,213.99	1/2	836.95	1/2	460.40	1/2	124.31	1/2		1/2		1/2	
3/4	2,338.43	3/4	1,961.00	3/4	1,583.56	3/4	1,206.13	3/4	829.08	3/4	452.79	3/4	118.04	3/4		3/4		3/4	
3	2,330.57	3	1,953.13	3	1,575.70	3	1,198.27	3	821.22	3	445.19	3	111.77	3		3		3	
1/4	2,322.70	1/4	1,945.27	1/4	1,567.84	1/4	1,190.40	1/4	813.36	1/4	437.59	1/4	105.50	1/4		1/4		1/4	
1/2	2,314.84	1/2	1,937.41	1/2	1,559.97	1/2	1,182.54	1/2	805.50	1/2	429.98	1/2	99.22	1/2		1/2		1/2	
3/4	2,306.98	3/4	1,929.54	3/4	1,552.11	3/4	1,174.68	3/4	797.63	3/4	422.49	3/4	93.08	3/4		3/4		3/4	
4	2,299.11	4	1,921.68	4	1,544.25	4	1,166.81	4	789.77	4	414.99	4	86.94	4		4		4	
1/4	2,291.25	1/4	1,913.82	1/4	1,536.38	1/4	1,158.95	1/4	781.91	1/4	407.50	1/4	80.79	1/4		1/4		1/4	
1/2	2,283.39	1/2	1,905.95	1/2	1,528.52	1/2	1,151.09	1/2	774.04	1/2	400.01	1/2	74.65	1/2		1/2		1/2	
3/4	2,275.53	3/4	1,898.09	3/4	1,520.66	3/4	1,143.22	3/4	766.18	3/4	392.62	3/4	68.65	3/4		3/4		3/4	
5	2,267.66	5	1,890.23	5	1,512.79	5	1,135.36	5	758.32	5	385.24	5	62.65	5		5		5	
1/4	2,259.80	1/4	1,882.37	1/4	1,504.93	1/4	1,127.50	1/4	750.45	1/4	377.85	1/4	56.64	1/4		1/4		1/4	
1/2	2,251.94	1/2	1,874.50	1/2	1,497.07	1/2	1,119.63	1/2	742.59	1/2	370.47	1/2	50.64	1/2		1/2		1/2	
3/4	2,244.07	3/4	1,866.64	3/4	1,489.21	3/4	1,111.78	3/4	734.73	3/4	363.19	3/4	45.23	3/4		3/4		3/4	
6	2,236.21	6	1,858.78	6	1,481.34	6	1,103.92	6	726.87	6	355.91	6	39.82	6		6		6	
1/4	2,228.35	1/4	1,850.91	1/4	1,473.48	1/4	1,096.06	1/4	719.00	1/4	348.64	1/4	34.41	1/4		1/4		1/4	
1/2	2,220.48	1/2	1,843.05	1/2	1,465.62	1/2	1,088.20	1/2	711.14	1/2	341.36	1/2	29.00	1/2		1/2		1/2	
3/4	2,212.62	3/4	1,835.19	3/4	1,457.75	3/4	1,080.35	3/4	703.28	3/4	334.20	3/4	25.05	3/4		3/4		3/4	
7	2,204.76	7	1,827.32	7	1,449.89	7	1,072.50	7	695.41	7	327.03	7	21.09	7		7		7	
1/4	2,196.89	1/4	1,819.46	1/4	1,442.03	1/4	1,064.65	1/4	687.55	1/4	319.86	1/4	17.13	1/4		1/4		1/4	
1/2	2,189.03	1/2	1,811.60	1/2	1,434.16	1/2	1,056.80	1/2	679.69	1/2	312.70	1/2	13.17	1/2		1/2		1/2	
3/4	2,181.17	3/4	1,803.73	3/4	1,426.30	3/4	1,048.94	3/4	671.82	3/4	305.64	3/4		3/4		3/4		3/4	
8	2,173.30	8	1,795.87	8	1,418.44	8	1,041.09	8	663.96	8	298.58	8		8		8		8	
1/4	2,165.44	1/4	1,788.01	1/4	1,410.57	1/4	1,033.24	1/4	656.10	1/4	291.52	1/4		1/4		1/4		1/4	
1/2	2,157.58	1/2	1,780.14	1/2	1,402.71	1/2	1,025.39	1/2	648.24	1/2	284.47	1/2		1/2		1/2		1/2	
3/4	2,149.71	3/4	1,772.28	3/4	1,394.85	3/4	1,017.54	3/4	640.37	3/4	277.52	3/4		3/4		3/4		3/4	
9	2,141.85	9	1,764.42	9	1,386.98	9	1,009.69	9	632.51	9	270.57	9		9		9		9	
1/4	2,133.99	1/4	1,756.55	1/4	1,379.12	1/4	1,001.84	1/4	624.65	1/4	263.62	1/4		1/4		1/4		1/4	
1/2	2,126.12	1/2	1,748.69	1/2	1,371.26	1/2	993.99	1/2	616.78	1/2	256.67	1/2		1/2		1/2		1/2	
3/4	2,118.26	3/4	1,740.83	3/4	1,363.39	3/4	986.14	3/4	608.92	3/4	249.84	3/4		3/4		3/4		3/4	
10	2,110.40	10	1,732.96	10	1,355.53	10	978.28	10	601.06	10	243.00	10		10		10		10	
1/4	2,102.53	1/4	1,725.10	1/4	1,347.67	1/4	970.43	1/4	593.19	1/4	236.16	1/4		1/4		1/4		1/4	
1/2	2,094.67	1/2	1,717.24	1/2	1,339.80	1/2	962.58	1/2	585.33	1/2	229.32	1/2		1/2		1/2		1/2	
3/4	2,086.81	3/4	1,709.37	3/4	1,331.94	3/4	954.73	3/4	577.47	3/4	222.59	3/4		3/4		3/4		3/4	
11	2,078.95	11	1,701.51	11	1,324.08	11	946.88	11	569.61	11	215.86	11		11		11		11	
1/4	2,071.08	1/4	1,693.65	1/4	1,316.21	1/4	939.03	1/4	561.74	1/4	209.13	1/4		1/4		1/4		1/4	
1/2	2,063.22	1/2	1,685.79	1/2	1,308.35	1/2	931.18	1/2	553.88	1/2	202.40	1/2		1/2		1/2		1/2	
3/4	2,055.36	3/4	1,677.92	3/4	1,300.49	3/4	923.33	3/4	546.03	3/4	195.78	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2014 CL
CALCULATED: 12/19/2014 CL
PRINTED: 12/19/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2014

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



BARGE "KIRBY 29127"

2 PORT 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	0	0	0	0	4,455.67	0	4,132.52	0	3,794.24	0	3,441.25	0	3,083.62	0	2,724.53
1/4		1/4		1/4		1/4	4,766.13	1/4	4,449.09	1/4	4,125.62	1/4	3,787.03	1/4	3,433.80	1/4	3,076.13	1/4	2,717.05
1/2		1/2		1/2		1/2	4,761.02	1/2	4,442.51	1/2	4,118.72	1/2	3,779.81	1/2	3,426.35	1/2	3,068.65	1/2	2,709.57
3/4		3/4		3/4		3/4	4,755.90	3/4	4,435.93	3/4	4,111.82	3/4	3,772.60	3/4	3,418.90	3/4	3,061.17	3/4	2,702.09
1	1	1	1	1	1	1	4,749.56	1	4,429.33	1	4,104.90	1	3,765.36	1	3,411.45	1	3,053.69	1	2,694.61
1/4		1/4		1/4		1/4	4,743.22	1/4	4,422.72	1/4	4,097.98	1/4	3,758.12	1/4	3,404.00	1/4	3,046.21	1/4	2,687.13
1/2		1/2		1/2		1/2	4,736.88	1/2	4,416.12	1/2	4,091.06	1/2	3,750.88	1/2	3,396.56	1/2	3,038.73	1/2	2,679.65
3/4		3/4		3/4		3/4	4,730.53	3/4	4,409.51	3/4	4,084.14	3/4	3,743.64	3/4	3,389.11	3/4	3,031.25	3/4	2,672.17
2	2	2	2	2	2	2	4,723.31	2	4,402.88	2	4,077.19	2	3,736.37	2	3,381.66	2	3,023.77	2	2,664.69
1/4		1/4		1/4		1/4	4,716.08	1/4	4,396.24	1/4	4,070.24	1/4	3,729.11	1/4	3,374.21	1/4	3,016.29	1/4	2,657.20
1/2		1/2		1/2		1/2	4,708.85	1/2	4,389.61	1/2	4,063.30	1/2	3,721.85	1/2	3,366.76	1/2	3,008.81	1/2	2,649.72
3/4		3/4		3/4		3/4	4,701.62	3/4	4,382.98	3/4	4,056.35	3/4	3,714.58	3/4	3,359.31	3/4	3,001.33	3/4	2,642.24
3	3	3	3	3	3	3	4,694.17	3	4,376.32	3	4,049.37	3	3,707.29	3	3,351.86	3	2,993.84	3	2,634.76
1/4		1/4		1/4		1/4	4,686.72	1/4	4,369.66	1/4	4,042.40	1/4	3,700.01	1/4	3,344.41	1/4	2,986.36	1/4	2,627.28
1/2		1/2		1/2		1/2	4,679.27	1/2	4,363.00	1/2	4,035.43	1/2	3,692.72	1/2	3,336.97	1/2	2,978.88	1/2	2,619.80
3/4		3/4		3/4		3/4	4,671.82	3/4	4,356.34	3/4	4,028.45	3/4	3,685.43	3/4	3,329.52	3/4	2,971.40	3/4	2,612.32
4	4	4	4	4	4	4	4,664.77	4	4,349.66	4	4,021.45	4	3,678.11	4	3,322.07	4	2,963.92	4	2,604.84
1/4		1/4		1/4		1/4	4,657.72	1/4	4,342.97	1/4	4,014.45	1/4	3,670.80	1/4	3,314.62	1/4	2,956.44	1/4	2,597.36
1/2		1/2		1/2		1/2	4,650.67	1/2	4,336.29	1/2	4,007.45	1/2	3,663.48	1/2	3,307.17	1/2	2,948.96	1/2	2,589.88
3/4		3/4		3/4		3/4	4,643.62	3/4	4,329.60	3/4	4,000.45	3/4	3,656.16	3/4	3,299.72	3/4	2,941.48	3/4	2,582.40
5	5	5	5	5	5	5	4,637.22	5	4,322.89	5	3,993.42	5	3,648.82	5	3,292.27	5	2,934.00	5	2,574.91
1/4		1/4		1/4		1/4	4,630.82	1/4	4,316.18	1/4	3,986.40	1/4	3,641.48	1/4	3,284.82	1/4	2,926.52	1/4	2,567.43
1/2		1/2		1/2		1/2	4,624.43	1/2	4,309.47	1/2	3,979.37	1/2	3,634.14	1/2	3,277.38	1/2	2,919.04	1/2	2,559.95
3/4		3/4		3/4		3/4	4,618.03	3/4	4,302.75	3/4	3,972.34	3/4	3,626.80	3/4	3,269.93	3/4	2,911.56	3/4	2,552.47
6	6	6	6	6	6	6	4,611.61	6	4,296.01	6	3,965.29	6	3,619.43	6	3,262.48	6	2,904.07	6	2,544.99
1/4		1/4		1/4		1/4	4,605.18	1/4	4,289.28	1/4	3,958.23	1/4	3,612.06	1/4	3,255.03	1/4	2,896.59	1/4	2,537.51
1/2		1/2		1/2		1/2	4,598.76	1/2	4,282.54	1/2	3,951.18	1/2	3,604.69	1/2	3,247.58	1/2	2,889.11	1/2	2,530.03
3/4		3/4		3/4		3/4	4,592.34	3/4	4,275.80	3/4	3,944.13	3/4	3,597.32	3/4	3,240.13	3/4	2,881.63	3/4	2,522.55
7	7	7	7	7	7	7	4,585.88	7	4,269.03	7	3,937.05	7	3,589.92	7	3,232.68	7	2,874.15	7	2,515.07
1/4		1/4		1/4		1/4	4,579.43	1/4	4,262.27	1/4	3,929.97	1/4	3,582.53	1/4	3,225.23	1/4	2,866.67	1/4	2,507.59
1/2		1/2		1/2		1/2	4,572.98	1/2	4,255.50	1/2	3,922.89	1/2	3,575.13	1/2	3,217.78	1/2	2,859.19	1/2	2,500.11
3/4		3/4		3/4		3/4	4,566.53	3/4	4,248.74	3/4	3,915.81	3/4	3,567.74	3/4	3,210.34	3/4	2,851.71	3/4	2,492.62
8	8	8	8	8	8	8	4,560.05	8	4,241.95	8	3,908.70	8	3,560.32	8	3,202.89	8	2,844.23	8	2,485.14
1/4		1/4		1/4		1/4	4,553.58	1/4	4,235.15	1/4	3,901.59	1/4	3,552.90	1/4	3,195.44	1/4	2,836.75	1/4	2,477.66
1/2		1/2		1/2		1/2	4,547.10	1/2	4,228.36	1/2	3,894.49	1/2	3,545.47	1/2	3,187.99	1/2	2,829.27	1/2	2,470.18
3/4		3/4		3/4		3/4	4,540.62	3/4	4,221.57	3/4	3,887.38	3/4	3,538.05	3/4	3,180.54	3/4	2,821.78	3/4	2,462.70
9	9	9	9	9	9	9	4,534.12	9	4,214.75	9	3,880.25	9	3,530.61	9	3,173.09	9	2,814.30	9	2,455.22
1/4		1/4		1/4		1/4	4,527.61	1/4	4,207.93	1/4	3,873.11	1/4	3,523.17	1/4	3,165.64	1/4	2,806.82	1/4	2,447.74
1/2		1/2		1/2		1/2	4,521.11	1/2	4,201.11	1/2	3,865.98	1/2	3,515.73	1/2	3,158.19	1/2	2,799.34	1/2	2,440.26
3/4		3/4		3/4		3/4	4,514.61	3/4	4,194.29	3/4	3,858.84	3/4	3,508.29	3/4	3,150.75	3/4	2,791.86	3/4	2,432.78
10	10	10	10	10	10	10	4,508.08	10	4,187.45	10	3,851.68	10	3,500.84	10	3,143.30	10	2,784.38	10	2,425.30
1/4		1/4		1/4		1/4	4,501.55	1/4	4,180.60	1/4	3,844.52	1/4	3,493.39	1/4	3,135.85	1/4	2,776.90	1/4	2,417.82
1/2		1/2		1/2		1/2	4,495.01	1/2	4,173.76	1/2	3,837.36	1/2	3,485.94	1/2	3,128.40	1/2	2,769.42	1/2	2,410.33
3/4		3/4		3/4		3/4	4,488.48	3/4	4,166.91	3/4	3,830.20	3/4	3,478.49	3/4	3,120.95	3/4	2,761.94	3/4	2,402.85
11	11	11	11	11	11	11	4,481.93	11	4,160.04	11	3,823.02	11	3,471.04	11	3,113.49	11	2,754.46	11	2,395.37
1/4		1/4		1/4		1/4	4,475.37	1/4	4,153.17	1/4	3,815.83	1/4	3,463.60	1/4	3,106.02	1/4	2,746.98	1/4	2,387.89
1/2		1/2		1/2		1/2	4,468.81	1/2	4,146.30	1/2	3,808.64	1/2	3,456.15	1/2	3,098.56	1/2	2,739.49	1/2	2,380.41
3/4		3/4		3/4		3/4	4,462.25	3/4	4,139.42	3/4	3,801.45	3/4	3,448.70	3/4	3,091.10	3/4	2,732.01	3/4	2,372.93

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

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



BARGE "KIRBY 29127"

2 PORT 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	2,365.45	0	2,006.37	0	1,647.28	0	1,296.83	0	951.95	0	594.54	0	235.47	0		0		0	
1/4	2,357.97	1/4	1,998.89	1/4	1,639.80	1/4	1,289.63	1/4	944.77	1/4	587.06	1/4	227.99	1/4		1/4		1/4	
1/2	2,350.49	1/2	1,991.40	1/2	1,632.32	1/2	1,282.43	1/2	937.60	1/2	579.58	1/2	220.51	1/2		1/2		1/2	
3/4	2,343.01	3/4	1,983.92	3/4	1,624.84	3/4	1,275.23	3/4	930.42	3/4	572.10	3/4	213.02	3/4		3/4		3/4	
1	2,335.53	1	1,976.44	1	1,617.36	1	1,268.04	1	923.13	1	564.62	1	205.55	1		1		1	
1/4	2,328.04	1/4	1,968.96	1/4	1,609.88	1/4	1,260.84	1/4	915.83	1/4	557.14	1/4	198.07	1/4		1/4		1/4	
1/2	2,320.56	1/2	1,961.48	1/2	1,602.40	1/2	1,253.64	1/2	908.54	1/2	549.66	1/2	190.59	1/2		1/2		1/2	
3/4	2,313.08	3/4	1,954.00	3/4	1,594.92	3/4	1,246.44	3/4	901.25	3/4	542.17	3/4	183.11	3/4		3/4		3/4	
2	2,305.60	2	1,946.52	2	1,587.44	2	1,239.24	2	893.77	2	534.69	2	175.64	2		2		2	
1/4	2,298.12	1/4	1,939.04	1/4	1,579.95	1/4	1,232.05	1/4	886.29	1/4	527.21	1/4	168.17	1/4		1/4		1/4	
1/2	2,290.64	1/2	1,931.56	1/2	1,572.47	1/2	1,224.85	1/2	878.81	1/2	519.73	1/2	160.69	1/2		1/2		1/2	
3/4	2,283.16	3/4	1,924.08	3/4	1,564.99	3/4	1,217.65	3/4	871.33	3/4	512.25	3/4	153.22	3/4		3/4		3/4	
3	2,275.68	3	1,916.60	3	1,557.51	3	1,210.46	3	863.85	3	504.77	3	145.76	3		3		3	
1/4	2,268.20	1/4	1,909.11	1/4	1,550.03	1/4	1,203.26	1/4	856.36	1/4	497.29	1/4	138.30	1/4		1/4		1/4	
1/2	2,260.72	1/2	1,901.63	1/2	1,542.55	1/2	1,196.07	1/2	848.88	1/2	489.81	1/2	130.84	1/2		1/2		1/2	
3/4	2,253.24	3/4	1,894.15	3/4	1,535.07	3/4	1,188.88	3/4	841.40	3/4	482.33	3/4	123.38	3/4		3/4		3/4	
4	2,245.75	4	1,886.67	4	1,527.69	4	1,181.69	4	833.92	4	474.85	4	115.93	4		4		4	
1/4	2,238.27	1/4	1,879.19	1/4	1,520.32	1/4	1,174.51	1/4	826.44	1/4	467.37	1/4	108.49	1/4		1/4		1/4	
1/2	2,230.79	1/2	1,871.71	1/2	1,512.94	1/2	1,167.32	1/2	818.96	1/2	459.89	1/2	101.05	1/2		1/2		1/2	
3/4	2,223.31	3/4	1,864.23	3/4	1,505.57	3/4	1,160.14	3/4	811.48	3/4	452.41	3/4	93.61	3/4		3/4		3/4	
5	2,215.83	5	1,856.75	5	1,498.37	5	1,152.95	5	804.00	5	444.93	5	86.19	5		5		5	
1/4	2,208.35	1/4	1,849.27	1/4	1,491.17	1/4	1,145.77	1/4	796.52	1/4	437.45	1/4	78.78	1/4		1/4		1/4	
1/2	2,200.87	1/2	1,841.79	1/2	1,483.98	1/2	1,138.59	1/2	789.04	1/2	429.96	1/2	71.37	1/2		1/2		1/2	
3/4	2,193.39	3/4	1,834.31	3/4	1,476.78	3/4	1,131.40	3/4	781.56	3/4	422.48	3/4	63.96	3/4		3/4		3/4	
6	2,185.91	6	1,826.82	6	1,469.58	6	1,124.23	6	774.08	6	415.00	6	57.01	6		6		6	
1/4	2,178.43	1/4	1,819.34	1/4	1,462.38	1/4	1,117.05	1/4	766.60	1/4	407.52	1/4	50.05	1/4		1/4		1/4	
1/2	2,170.95	1/2	1,811.86	1/2	1,455.18	1/2	1,109.87	1/2	759.12	1/2	400.04	1/2	43.10	1/2		1/2		1/2	
3/4	2,163.47	3/4	1,804.38	3/4	1,447.99	3/4	1,102.69	3/4	751.63	3/4	392.56	3/4	36.15	3/4		3/4		3/4	
7	2,155.98	7	1,796.90	7	1,440.79	7	1,095.51	7	744.15	7	385.08	7	30.85	7		7		7	
1/4	2,148.50	1/4	1,789.42	1/4	1,433.59	1/4	1,088.34	1/4	736.67	1/4	377.60	1/4	25.56	1/4		1/4		1/4	
1/2	2,141.02	1/2	1,781.94	1/2	1,426.39	1/2	1,081.16	1/2	729.19	1/2	370.12	1/2	20.26	1/2		1/2		1/2	
3/4	2,133.54	3/4	1,774.46	3/4	1,419.19	3/4	1,073.98	3/4	721.71	3/4	362.64	3/4	14.96	3/4		3/4		3/4	
8	2,126.06	8	1,766.98	8	1,412.00	8	1,066.80	8	714.23	8	355.16	8		8		8		8	
1/4	2,118.58	1/4	1,759.50	1/4	1,404.80	1/4	1,059.62	1/4	706.75	1/4	347.68	1/4		1/4		1/4		1/4	
1/2	2,111.10	1/2	1,752.02	1/2	1,397.60	1/2	1,052.45	1/2	699.27	1/2	340.20	1/2		1/2		1/2		1/2	
3/4	2,103.62	3/4	1,744.53	3/4	1,390.40	3/4	1,045.27	3/4	691.79	3/4	332.72	3/4		3/4		3/4		3/4	
9	2,096.14	9	1,737.05	9	1,383.20	9	1,038.09	9	684.31	9	325.23	9		9		9		9	
1/4	2,088.66	1/4	1,729.57	1/4	1,376.01	1/4	1,030.91	1/4	676.83	1/4	317.75	1/4		1/4		1/4		1/4	
1/2	2,081.18	1/2	1,722.09	1/2	1,368.81	1/2	1,023.73	1/2	669.35	1/2	310.27	1/2		1/2		1/2		1/2	
3/4	2,073.69	3/4	1,714.61	3/4	1,361.61	3/4	1,016.55	3/4	661.87	3/4	302.79	3/4		3/4		3/4		3/4	
10	2,066.21	10	1,707.13	10	1,354.41	10	1,009.38	10	654.39	10	295.31	10		10		10		10	
1/4	2,058.73	1/4	1,699.65	1/4	1,347.21	1/4	1,002.20	1/4	646.90	1/4	287.83	1/4		1/4		1/4		1/4	
1/2	2,051.25	1/2	1,692.17	1/2	1,340.02	1/2	995.02	1/2	639.42	1/2	280.35	1/2		1/2		1/2		1/2	
3/4	2,043.77	3/4	1,684.69	3/4	1,332.82	3/4	987.84	3/4	631.94	3/4	272.87	3/4		3/4		3/4		3/4	
11	2,036.29	11	1,677.21	11	1,325.62	11	980.66	11	624.46	11	265.39	11		11		11		11	
1/4	2,028.81	1/4	1,669.73	1/4	1,318.42	1/4	973.49	1/4	616.98	1/4	257.91	1/4		1/4		1/4		1/4	
1/2	2,021.33	1/2	1,662.24	1/2	1,311.22	1/2	966.31	1/2	609.50	1/2	250.43	1/2		1/2		1/2		1/2	
3/4	2,013.85	3/4	1,654.76	3/4	1,304.03	3/4	959.13	3/4	602.02	3/4	242.95	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2014 CL
CALCULATED: 12/19/2014 CL
PRINTED: 12/19/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2014

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



BARGE "KIRBY 29127"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,492.93	0	4,170.41	0	3,832.76	0	3,480.26	0	3,122.69	0	2,763.63
1/4		1/4		1/4		1/4		1/4	4,486.37	1/4	4,163.54	1/4	3,825.57	1/4	3,472.81	1/4	3,115.24	1/4	2,756.15
1/2		1/2		1/2		1/2		1/2	4,479.79	1/2	4,156.64	1/2	3,818.36	1/2	3,465.37	1/2	3,107.76	1/2	2,748.67
3/4		3/4		3/4		3/4		3/4	4,790.24	3/4	4,473.21	3/4	4,149.74	3/4	3,811.14	3/4	3,457.92	3/4	3,100.28
1		1		1		1		1	4,785.13	1	4,466.63	1	4,142.84	1	3,803.93	1	3,450.47	1	3,092.79
1/4		1/4		1/4		1/4		1/4	4,780.02	1/4	4,460.05	1/4	4,135.94	1/4	3,796.72	1/4	3,443.02	1/4	3,085.31
1/2		1/2		1/2		1/2		1/2	4,773.68	1/2	4,453.44	1/2	4,129.02	1/2	3,789.48	1/2	3,435.57	1/2	3,077.83
3/4		3/4		3/4		3/4		3/4	4,767.34	3/4	4,446.84	3/4	4,122.10	3/4	3,782.24	3/4	3,428.12	3/4	3,070.35
2		2		2		2		2	4,760.99	2	4,440.23	2	4,115.18	2	3,774.99	2	3,420.67	2	3,062.87
1/4		1/4		1/4		1/4		1/4	4,754.65	1/4	4,433.63	1/4	4,108.26	1/4	3,767.75	1/4	3,413.22	1/4	3,055.39
1/2		1/2		1/2		1/2		1/2	4,747.42	1/2	4,426.99	1/2	4,101.31	1/2	3,760.49	1/2	3,405.78	1/2	3,047.91
3/4		3/4		3/4		3/4		3/4	4,740.19	3/4	4,420.36	3/4	4,094.36	3/4	3,753.23	3/4	3,398.33	3/4	3,040.43
3		3		3		3		3	4,732.97	3	4,413.73	3	4,087.41	3	3,745.96	3	3,390.88	3	3,032.95
1/4		1/4		1/4		1/4		1/4	4,725.74	1/4	4,407.10	1/4	4,080.47	1/4	3,738.70	1/4	3,383.43	1/4	3,025.46
1/2		1/2		1/2		1/2		1/2	4,718.29	1/2	4,400.44	1/2	4,073.49	1/2	3,731.41	1/2	3,375.98	1/2	3,017.98
3/4		3/4		3/4		3/4		3/4	4,710.84	3/4	4,393.78	3/4	4,066.52	3/4	3,724.12	3/4	3,368.53	3/4	3,010.50
4		4		4		4		4	4,703.39	4	4,387.12	4	4,059.54	4	3,716.83	4	3,361.08	4	3,003.02
1/4		1/4		1/4		1/4		1/4	4,695.94	1/4	4,380.46	1/4	4,052.57	1/4	3,709.54	1/4	3,353.63	1/4	2,995.54
1/2		1/2		1/2		1/2		1/2	4,688.89	1/2	4,373.78	1/2	4,045.57	1/2	3,702.23	1/2	3,346.18	1/2	2,988.06
3/4		3/4		3/4		3/4		3/4	4,681.84	3/4	4,367.09	3/4	4,038.57	3/4	3,694.91	3/4	3,338.74	3/4	2,980.58
5		5		5		5		5	4,674.79	5	4,360.40	5	4,031.57	5	3,687.60	5	3,331.29	5	2,973.10
1/4		1/4		1/4		1/4		1/4	4,667.74	1/4	4,353.72	1/4	4,024.57	1/4	3,680.28	1/4	3,323.84	1/4	2,965.62
1/2		1/2		1/2		1/2		1/2	4,661.34	1/2	4,347.01	1/2	4,017.54	1/2	3,672.94	1/2	3,316.39	1/2	2,958.14
3/4		3/4		3/4		3/4		3/4	4,654.94	3/4	4,340.29	3/4	4,010.51	3/4	3,665.60	3/4	3,308.94	3/4	2,950.65
6		6		6		6		6	4,648.54	6	4,333.58	6	4,003.48	6	3,658.25	6	3,301.49	6	2,943.17
1/4		1/4		1/4		1/4		1/4	4,642.15	1/4	4,326.87	1/4	3,996.46	1/4	3,650.91	1/4	3,294.04	1/4	2,935.69
1/2		1/2		1/2		1/2		1/2	4,635.72	1/2	4,320.13	1/2	3,989.40	1/2	3,643.54	1/2	3,286.59	1/2	2,928.21
3/4		3/4		3/4		3/4		3/4	4,629.30	3/4	4,313.39	3/4	3,982.35	3/4	3,636.17	3/4	3,279.15	3/4	2,920.73
7		7		7		7		7	4,622.88	7	4,306.65	7	3,975.30	7	3,628.81	7	3,271.70	7	2,913.25
1/4		1/4		1/4		1/4		1/4	4,616.45	1/4	4,299.92	1/4	3,968.24	1/4	3,621.44	1/4	3,264.25	1/4	2,905.77
1/2		1/2		1/2		1/2		1/2	4,610.00	1/2	4,293.15	1/2	3,961.16	1/2	3,614.04	1/2	3,256.80	1/2	2,898.29
3/4		3/4		3/4		3/4		3/4	4,603.55	3/4	4,286.38	3/4	3,954.08	3/4	3,606.65	3/4	3,249.35	3/4	2,890.81
8		8		8		8		8	4,597.10	8	4,279.62	8	3,947.00	8	3,599.25	8	3,241.90	8	2,883.33
1/4		1/4		1/4		1/4		1/4	4,590.65	1/4	4,272.85	1/4	3,939.92	1/4	3,591.86	1/4	3,234.45	1/4	2,875.84
1/2		1/2		1/2		1/2		1/2	4,584.17	1/2	4,266.06	1/2	3,932.82	1/2	3,584.43	1/2	3,227.00	1/2	2,868.36
3/4		3/4		3/4		3/4		3/4	4,577.69	3/4	4,259.27	3/4	3,925.71	3/4	3,577.01	3/4	3,219.56	3/4	2,860.88
9		9		9		9		9	4,571.22	9	4,252.48	9	3,918.60	9	3,569.59	9	3,212.11	9	2,853.40
1/4		1/4		1/4		1/4		1/4	4,564.74	1/4	4,245.68	1/4	3,911.50	1/4	3,562.17	1/4	3,204.66	1/4	2,845.92
1/2		1/2		1/2		1/2		1/2	4,558.24	1/2	4,238.87	1/2	3,904.36	1/2	3,554.73	1/2	3,197.21	1/2	2,838.44
3/4		3/4		3/4		3/4		3/4	4,551.73	3/4	4,232.05	3/4	3,897.23	3/4	3,547.29	3/4	3,189.76	3/4	2,830.96
10		10		10		10		10	4,545.23	10	4,225.23	10	3,890.09	10	3,539.85	10	3,182.31	10	2,823.48
1/4		1/4		1/4		1/4		1/4	4,538.72	1/4	4,218.41	1/4	3,882.96	1/4	3,532.40	1/4	3,174.86	1/4	2,816.00
1/2		1/2		1/2		1/2		1/2	4,532.19	1/2	4,211.57	1/2	3,875.80	1/2	3,524.96	1/2	3,167.41	1/2	2,808.52
3/4		3/4		3/4		3/4		3/4	4,525.66	3/4	4,204.72	3/4	3,868.64	3/4	3,517.51	3/4	3,159.96	3/4	2,801.03
11		11		11		11		11	4,519.13	11	4,197.87	11	3,861.48	11	3,510.06	11	3,152.52	11	2,793.55
1/4		1/4		1/4		1/4		1/4	4,512.60	1/4	4,191.03	1/4	3,854.32	1/4	3,502.61	1/4	3,145.07	1/4	2,786.07
1/2		1/2		1/2		1/2		1/2	4,506.04	1/2	4,184.16	1/2	3,847.13	1/2	3,495.16	1/2	3,137.61	1/2	2,778.59
3/4		3/4		3/4		3/4		3/4	4,499.49	3/4	4,177.28	3/4	3,839.95	3/4	3,487.71	3/4	3,130.15	3/4	2,771.11

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 29127"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,404.54	0	2,045.45	0	1,686.37	0	1,327.28	0	968.44	0	609.50	0	250.43	0		0		0	
1/4	2,397.06	1/4	2,037.97	1/4	1,678.88	1/4	1,319.80	1/4	960.97	1/4	602.02	1/4	242.95	1/4		1/4		1/4	
1/2	2,389.58	1/2	2,030.49	1/2	1,671.40	1/2	1,312.32	1/2	953.50	1/2	594.54	1/2	235.47	1/2		1/2		1/2	
3/4	2,382.10	3/4	2,023.01	3/4	1,663.92	3/4	1,304.83	3/4	946.03	3/4	587.06	3/4	227.99	3/4		3/4		3/4	
1	2,374.62	1	2,015.53	1	1,656.44	1	1,297.35	1	938.56	1	579.58	1	220.51	1		1		1	
1/4	2,367.14	1/4	2,008.05	1/4	1,648.96	1/4	1,289.87	1/4	931.10	1/4	572.10	1/4	213.02	1/4		1/4		1/4	
1/2	2,359.66	1/2	2,000.57	1/2	1,641.48	1/2	1,282.39	1/2	923.63	1/2	564.62	1/2	205.55	1/2		1/2		1/2	
3/4	2,352.17	3/4	1,993.09	3/4	1,634.00	3/4	1,274.91	3/4	916.16	3/4	557.14	3/4	198.07	3/4		3/4		3/4	
2	2,344.69	2	1,985.61	2	1,626.52	2	1,267.43	2	908.69	2	549.66	2	190.59	2		2		2	
1/4	2,337.21	1/4	1,978.12	1/4	1,619.04	1/4	1,259.95	1/4	901.22	1/4	542.17	1/4	183.11	1/4		1/4		1/4	
1/2	2,329.73	1/2	1,970.64	1/2	1,611.56	1/2	1,252.47	1/2	893.75	1/2	534.69	1/2	175.64	1/2		1/2		1/2	
3/4	2,322.25	3/4	1,963.16	3/4	1,604.07	3/4	1,244.99	3/4	886.27	3/4	527.21	3/4	168.17	3/4		3/4		3/4	
3	2,314.77	3	1,955.68	3	1,596.59	3	1,237.51	3	878.80	3	519.73	3	160.69	3		3		3	
1/4	2,307.29	1/4	1,948.20	1/4	1,589.11	1/4	1,230.02	1/4	871.33	1/4	512.25	1/4	153.22	1/4		1/4		1/4	
1/2	2,299.81	1/2	1,940.72	1/2	1,581.63	1/2	1,222.54	1/2	863.85	1/2	504.77	1/2	145.76	1/2		1/2		1/2	
3/4	2,292.33	3/4	1,933.24	3/4	1,574.15	3/4	1,215.06	3/4	856.36	3/4	497.29	3/4	138.30	3/4		3/4		3/4	
4	2,284.85	4	1,925.76	4	1,566.67	4	1,207.58	4	848.88	4	489.81	4	130.84	4		4		4	
1/4	2,277.36	1/4	1,918.28	1/4	1,559.19	1/4	1,200.10	1/4	841.40	1/4	482.33	1/4	123.38	1/4		1/4		1/4	
1/2	2,269.88	1/2	1,910.80	1/2	1,551.71	1/2	1,192.62	1/2	833.92	1/2	474.85	1/2	115.93	1/2		1/2		1/2	
3/4	2,262.40	3/4	1,903.31	3/4	1,544.23	3/4	1,185.14	3/4	826.44	3/4	467.37	3/4	108.49	3/4		3/4		3/4	
5	2,254.92	5	1,895.83	5	1,536.75	5	1,177.66	5	818.96	5	459.89	5	101.05	5		5		5	
1/4	2,247.44	1/4	1,888.35	1/4	1,529.26	1/4	1,170.18	1/4	811.48	1/4	452.41	1/4	93.61	1/4		1/4		1/4	
1/2	2,239.96	1/2	1,880.87	1/2	1,521.78	1/2	1,162.70	1/2	804.00	1/2	444.93	1/2	86.19	1/2		1/2		1/2	
3/4	2,232.48	3/4	1,873.39	3/4	1,514.30	3/4	1,155.21	3/4	796.52	3/4	437.45	3/4	78.78	3/4		3/4		3/4	
6	2,225.00	6	1,865.91	6	1,506.82	6	1,147.73	6	789.04	6	429.96	6	71.37	6		6		6	
1/4	2,217.52	1/4	1,858.43	1/4	1,499.34	1/4	1,140.25	1/4	781.56	1/4	422.48	1/4	63.96	1/4		1/4		1/4	
1/2	2,210.04	1/2	1,850.95	1/2	1,491.86	1/2	1,132.78	1/2	774.08	1/2	415.00	1/2	57.01	1/2		1/2		1/2	
3/4	2,202.55	3/4	1,843.47	3/4	1,484.38	3/4	1,125.30	3/4	766.60	3/4	407.52	3/4	50.05	3/4		3/4		3/4	
7	2,195.07	7	1,835.99	7	1,476.90	7	1,117.82	7	759.12	7	400.04	7	43.10	7		7		7	
1/4	2,187.59	1/4	1,828.50	1/4	1,469.42	1/4	1,110.35	1/4	751.63	1/4	392.56	1/4	36.15	1/4		1/4		1/4	
1/2	2,180.11	1/2	1,821.02	1/2	1,461.94	1/2	1,102.88	1/2	744.15	1/2	385.08	1/2	30.85	1/2		1/2		1/2	
3/4	2,172.63	3/4	1,813.54	3/4	1,454.45	3/4	1,095.41	3/4	736.67	3/4	377.60	3/4	25.56	3/4		3/4		3/4	
8	2,165.15	8	1,806.06	8	1,446.97	8	1,087.94	8	729.19	8	370.12	8	20.26	8		8		8	
1/4	2,157.67	1/4	1,798.58	1/4	1,439.49	1/4	1,080.47	1/4	721.71	1/4	362.64	1/4	14.96	1/4		1/4		1/4	
1/2	2,150.19	1/2	1,791.10	1/2	1,432.01	1/2	1,073.00	1/2	714.23	1/2	355.16	1/2		1/2		1/2		1/2	
3/4	2,142.71	3/4	1,783.62	3/4	1,424.53	3/4	1,065.53	3/4	706.75	3/4	347.68	3/4		3/4		3/4		3/4	
9	2,135.23	9	1,776.14	9	1,417.05	9	1,058.07	9	699.27	9	340.20	9		9		9		9	
1/4	2,127.74	1/4	1,768.66	1/4	1,409.57	1/4	1,050.60	1/4	691.79	1/4	332.72	1/4		1/4		1/4		1/4	
1/2	2,120.26	1/2	1,761.18	1/2	1,402.09	1/2	1,043.13	1/2	684.31	1/2	325.23	1/2		1/2		1/2		1/2	
3/4	2,112.78	3/4	1,753.69	3/4	1,394.61	3/4	1,035.66	3/4	676.83	3/4	317.75	3/4		3/4		3/4		3/4	
10	2,105.30	10	1,746.21	10	1,387.13	10	1,028.19	10	669.35	10	310.27	10		10		10		10	
1/4	2,097.82	1/4	1,738.73	1/4	1,379.64	1/4	1,020.72	1/4	661.87	1/4	302.79	1/4		1/4		1/4		1/4	
1/2	2,090.34	1/2	1,731.25	1/2	1,372.16	1/2	1,013.25	1/2	654.39	1/2	295.31	1/2		1/2		1/2		1/2	
3/4	2,082.86	3/4	1,723.77	3/4	1,364.68	3/4	1,005.78	3/4	646.90	3/4	287.83	3/4		3/4		3/4		3/4	
11	2,075.38	11	1,716.29	11	1,357.20	11	998.32	11	639.42	11	280.35	11		11		11		11	
1/4	2,067.90	1/4	1,708.81	1/4	1,349.72	1/4	990.85	1/4	631.94	1/4	272.87	1/4		1/4		1/4		1/4	
1/2	2,060.42	1/2	1,701.33	1/2	1,342.24	1/2	983.38	1/2	624.46	1/2	265.39	1/2		1/2		1/2		1/2	
3/4	2,052.93	3/4	1,693.85	3/4	1,334.76	3/4	975.91	3/4	616.98	3/4	257.91	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2014 CL
CALCULATED: 12/19/2014 CL
PRINTED: 12/19/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2014

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



BARGE "KIRBY 29127"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,280.64	0	1,924.28	0	1,568.84	0	1,212.55	0	869.05	0	512.59	0	155.90	0		0		0	
1/4	2,273.23	1/4	1,916.85	1/4	1,561.43	1/4	1,205.39	1/4	861.64	1/4	505.16	1/4	148.47	1/4		1/4		1/4	
1/2	2,265.81	1/2	1,909.42	1/2	1,554.03	1/2	1,198.23	1/2	854.23	1/2	497.73	1/2	141.04	1/2		1/2		1/2	
3/4	2,258.39	3/4	1,901.99	3/4	1,546.63	3/4	1,191.07	3/4	846.82	3/4	490.30	3/4	133.60	3/4		3/4		3/4	
1	2,250.98	1	1,894.59	1	1,539.20	1	1,183.90	1	839.41	1	482.87	1	126.17	1		1		1	
1/4	2,243.56	1/4	1,887.19	1/4	1,531.77	1/4	1,176.74	1/4	832.00	1/4	475.43	1/4	118.74	1/4		1/4		1/4	
1/2	2,236.15	1/2	1,879.78	1/2	1,524.34	1/2	1,169.58	1/2	824.59	1/2	468.00	1/2	111.31	1/2		1/2		1/2	
3/4	2,228.73	3/4	1,872.38	3/4	1,516.91	3/4	1,162.42	3/4	817.18	3/4	460.57	3/4	103.88	3/4		3/4		3/4	
2	2,221.32	2	1,864.98	2	1,509.48	2	1,155.26	2	809.77	2	453.14	2	96.77	2		2		2	
1/4	2,213.90	1/4	1,857.57	1/4	1,502.05	1/4	1,148.09	1/4	802.36	1/4	445.71	1/4	89.65	1/4		1/4		1/4	
1/2	2,206.48	1/2	1,850.17	1/2	1,494.62	1/2	1,140.93	1/2	794.95	1/2	438.28	1/2	82.53	1/2		1/2		1/2	
3/4	2,199.07	3/4	1,842.77	3/4	1,487.19	3/4	1,133.77	3/4	787.54	3/4	430.85	3/4	75.42	3/4		3/4		3/4	
3	2,191.65	3	1,835.36	3	1,479.76	3	1,126.61	3	780.11	3	423.42	3	69.24	3		3		3	
1/4	2,184.24	1/4	1,827.96	1/4	1,472.33	1/4	1,119.44	1/4	772.68	1/4	415.99	1/4	63.06	1/4		1/4		1/4	
1/2	2,176.82	1/2	1,820.55	1/2	1,464.90	1/2	1,112.28	1/2	765.25	1/2	408.56	1/2	56.89	1/2		1/2		1/2	
3/4	2,169.41	3/4	1,813.15	3/4	1,457.47	3/4	1,105.12	3/4	757.82	3/4	401.12	3/4	50.71	3/4		3/4		3/4	
4	2,161.99	4	1,805.75	4	1,450.04	4	1,097.96	4	750.39	4	393.69	4	45.79	4		4		4	
1/4	2,154.57	1/4	1,798.34	1/4	1,442.61	1/4	1,090.80	1/4	742.95	1/4	386.26	1/4	40.87	1/4		1/4		1/4	
1/2	2,147.16	1/2	1,790.94	1/2	1,435.18	1/2	1,083.63	1/2	735.52	1/2	378.83	1/2	35.94	1/2		1/2		1/2	
3/4	2,139.74	3/4	1,783.54	3/4	1,427.75	3/4	1,076.47	3/4	728.09	3/4	371.40	3/4	31.02	3/4		3/4		3/4	
5	2,132.31	5	1,776.13	5	1,420.32	5	1,069.32	5	720.66	5	363.97	5	27.36	5		5		5	
1/4	2,124.88	1/4	1,768.73	1/4	1,412.89	1/4	1,062.18	1/4	713.23	1/4	356.54	1/4	23.70	1/4		1/4		1/4	
1/2	2,117.45	1/2	1,761.33	1/2	1,405.46	1/2	1,055.03	1/2	705.80	1/2	349.11	1/2	20.04	1/2		1/2		1/2	
3/4	2,110.02	3/4	1,753.92	3/4	1,398.03	3/4	1,047.88	3/4	698.37	3/4	341.68	3/4	16.38	3/4		3/4		3/4	
6	2,102.60	6	1,746.52	6	1,390.60	6	1,040.73	6	690.94	6	334.24	6		6		6		6	
1/4	2,095.17	1/4	1,739.12	1/4	1,383.17	1/4	1,033.58	1/4	683.51	1/4	326.81	1/4		1/4		1/4		1/4	
1/2	2,087.74	1/2	1,731.71	1/2	1,375.74	1/2	1,026.44	1/2	676.07	1/2	319.38	1/2		1/2		1/2		1/2	
3/4	2,080.31	3/4	1,724.31	3/4	1,368.31	3/4	1,019.29	3/4	668.64	3/4	311.95	3/4		3/4		3/4		3/4	
7	2,072.88	7	1,716.91	7	1,360.88	7	1,012.14	7	661.21	7	304.52	7		7		7		7	
1/4	2,065.45	1/4	1,709.50	1/4	1,353.45	1/4	1,005.00	1/4	653.78	1/4	297.09	1/4		1/4		1/4		1/4	
1/2	2,058.02	1/2	1,702.10	1/2	1,346.02	1/2	997.85	1/2	646.35	1/2	289.66	1/2		1/2		1/2		1/2	
3/4	2,050.59	3/4	1,694.70	3/4	1,338.59	3/4	990.71	3/4	638.92	3/4	282.23	3/4		3/4		3/4		3/4	
8	2,043.16	8	1,687.29	8	1,331.16	8	983.57	8	631.49	8	274.80	8		8		8		8	
1/4	2,035.73	1/4	1,679.89	1/4	1,323.73	1/4	976.43	1/4	624.06	1/4	267.36	1/4		1/4		1/4		1/4	
1/2	2,028.30	1/2	1,672.48	1/2	1,316.30	1/2	969.29	1/2	616.63	1/2	259.93	1/2		1/2		1/2		1/2	
3/4	2,020.87	3/4	1,665.08	3/4	1,308.87	3/4	962.15	3/4	609.19	3/4	252.50	3/4		3/4		3/4		3/4	
9	2,013.44	9	1,657.68	9	1,301.44	9	955.01	9	601.76	9	245.07	9		9		9		9	
1/4	2,006.01	1/4	1,650.27	1/4	1,294.01	1/4	947.86	1/4	594.33	1/4	237.64	1/4		1/4		1/4		1/4	
1/2	1,998.58	1/2	1,642.87	1/2	1,286.58	1/2	940.72	1/2	586.90	1/2	230.21	1/2		1/2		1/2		1/2	
3/4	1,991.15	3/4	1,635.47	3/4	1,279.15	3/4	933.58	3/4	579.47	3/4	222.78	3/4		3/4		3/4		3/4	
10	1,983.72	10	1,628.06	10	1,271.72	10	926.44	10	572.04	10	215.35	10		10		10		10	
1/4	1,976.29	1/4	1,620.66	1/4	1,264.29	1/4	919.30	1/4	564.61	1/4	207.92	1/4		1/4		1/4		1/4	
1/2	1,968.86	1/2	1,613.26	1/2	1,256.86	1/2	912.16	1/2	557.18	1/2	200.48	1/2		1/2		1/2		1/2	
3/4	1,961.43	3/4	1,605.85	3/4	1,249.43	3/4	905.02	3/4	549.75	3/4	193.05	3/4		3/4		3/4		3/4	
11	1,954.00	11	1,598.45	11	1,242.00	11	897.88	11	542.31	11	185.62	11		11		11		11	
1/4	1,946.57	1/4	1,591.05	1/4	1,234.57	1/4	890.74	1/4	534.88	1/4	178.19	1/4		1/4		1/4		1/4	
1/2	1,939.14	1/2	1,583.64	1/2	1,227.14	1/2	883.60	1/2	527.45	1/2	170.76	1/2		1/2		1/2		1/2	
3/4	1,931.71	3/4	1,576.24	3/4	1,219.71	3/4	876.46	3/4	520.02	3/4	163.33	3/4		3/4		3/4		3/4	

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Pearland, Texas 77588
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BARGE "KIRBY 29127"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	4,384.89	0	4,143.51	0	3,896.50	0	3,637.48	0	3,366.73	0	3,014.55	0	2,657.20
1/4		1/4		1/4		1/4	4,380.24	1/4	4,138.48	1/4	3,891.22	1/4	3,631.96	1/4	3,361.00	1/4	3,007.10	1/4	2,649.76
1/2		1/2		1/2		1/2	4,375.59	1/2	4,133.46	1/2	3,885.94	1/2	3,626.43	1/2	3,355.28	1/2	2,999.66	1/2	2,642.31
3/4		3/4		3/4		3/4	4,370.93	3/4	4,128.43	3/4	3,880.66	3/4	3,620.90	3/4	3,349.56	3/4	2,992.21	3/4	2,634.87
1	1	1	1	1	1	1	4,366.76	1	4,123.39	1	3,875.36	1	3,615.35	1	3,342.12	1	2,984.77	1	2,627.42
1/4		1/4		1/4		1/4	4,362.59	1/4	4,118.34	1/4	3,870.06	1/4	3,609.80	1/4	3,334.67	1/4	2,977.32	1/4	2,619.98
1/2		1/2		1/2		1/2	4,358.42	1/2	4,113.30	1/2	3,864.76	1/2	3,604.25	1/2	3,327.23	1/2	2,969.88	1/2	2,612.53
3/4		3/4		3/4		3/4	4,354.25	3/4	4,108.25	3/4	3,859.47	3/4	3,598.70	3/4	3,319.78	3/4	2,962.44	3/4	2,605.09
2	2	2	2	2	2	2	4,348.88	2	4,103.18	2	3,854.15	2	3,593.13	2	3,312.34	2	2,954.99	2	2,597.65
1/4		1/4		1/4		1/4	4,343.50	1/4	4,098.12	1/4	3,848.84	1/4	3,587.57	1/4	3,304.89	1/4	2,947.55	1/4	2,590.20
1/2		1/2		1/2		1/2	4,338.13	1/2	4,093.05	1/2	3,843.52	1/2	3,582.00	1/2	3,297.45	1/2	2,940.10	1/2	2,582.76
3/4		3/4		3/4		3/4	4,332.75	3/4	4,087.98	3/4	3,838.20	3/4	3,576.43	3/4	3,290.00	3/4	2,932.66	3/4	2,575.31
3	3	3	3	3	3	3	4,327.03	3	4,082.89	3	3,832.87	3	3,570.84	3	3,282.56	3	2,925.21	3	2,567.87
1/4		1/4		1/4		1/4	4,321.31	1/4	4,077.81	1/4	3,827.53	1/4	3,565.26	1/4	3,275.11	1/4	2,917.77	1/4	2,560.42
1/2		1/2		1/2		1/2	4,315.59	1/2	4,072.72	1/2	3,822.19	1/2	3,559.67	1/2	3,267.67	1/2	2,910.32	1/2	2,552.98
3/4		3/4		3/4		3/4	4,309.87	3/4	4,067.63	3/4	3,816.85	3/4	3,554.08	3/4	3,260.22	3/4	2,902.88	3/4	2,545.53
4	4	4	4	4	4	4	4,304.15	4	4,062.52	4	3,811.49	4	3,548.47	4	3,252.78	4	2,895.43	4	2,538.09
1/4		1/4		1/4		1/4	4,298.42	1/4	4,057.41	1/4	3,806.13	1/4	3,542.87	1/4	3,245.33	1/4	2,887.99	1/4	2,530.64
1/2		1/2		1/2		1/2	4,292.70	1/2	4,052.30	1/2	3,800.78	1/2	3,537.26	1/2	3,237.89	1/2	2,880.54	1/2	2,523.20
3/4		3/4		3/4		3/4	4,286.98	3/4	4,047.19	3/4	3,795.42	3/4	3,531.65	3/4	3,230.44	3/4	2,873.10	3/4	2,515.75
5	5	5	5	5	5	5	4,282.10	5	4,042.06	5	3,790.04	5	3,526.02	5	3,223.00	5	2,865.65	5	2,508.31
1/4		1/4		1/4		1/4	4,277.22	1/4	4,036.93	1/4	3,784.66	1/4	3,520.39	1/4	3,215.56	1/4	2,858.21	1/4	2,500.86
1/2		1/2		1/2		1/2	4,272.34	1/2	4,031.80	1/2	3,779.28	1/2	3,514.76	1/2	3,208.11	1/2	2,850.77	1/2	2,493.42
3/4		3/4		3/4		3/4	4,267.45	3/4	4,026.67	3/4	3,773.89	3/4	3,509.13	3/4	3,200.67	3/4	2,843.32	3/4	2,485.97
6	6	6	6	6	6	6	4,262.55	6	4,021.52	6	3,768.49	6	3,503.48	6	3,193.22	6	2,835.88	6	2,478.53
1/4		1/4		1/4		1/4	4,257.65	1/4	4,016.37	1/4	3,763.09	1/4	3,497.83	1/4	3,185.78	1/4	2,828.43	1/4	2,471.09
1/2		1/2		1/2		1/2	4,252.75	1/2	4,011.22	1/2	3,757.70	1/2	3,492.18	1/2	3,178.33	1/2	2,820.99	1/2	2,463.64
3/4		3/4		3/4		3/4	4,247.85	3/4	4,006.06	3/4	3,752.30	3/4	3,486.53	3/4	3,170.89	3/4	2,813.54	3/4	2,456.20
7	7	7	7	7	7	7	4,242.93	7	4,000.89	7	3,746.87	7	3,480.86	7	3,163.44	7	2,806.10	7	2,448.75
1/4		1/4		1/4		1/4	4,238.00	1/4	3,995.72	1/4	3,741.45	1/4	3,475.19	1/4	3,156.00	1/4	2,798.65	1/4	2,441.31
1/2		1/2		1/2		1/2	4,233.08	1/2	3,990.55	1/2	3,736.03	1/2	3,469.51	1/2	3,148.55	1/2	2,791.21	1/2	2,433.86
3/4		3/4		3/4		3/4	4,228.15	3/4	3,985.38	3/4	3,730.60	3/4	3,463.84	3/4	3,141.11	3/4	2,783.76	3/4	2,426.42
8	8	8	8	8	8	8	4,223.21	8	3,980.19	8	3,725.16	8	3,458.15	8	3,133.66	8	2,776.32	8	2,418.97
1/4		1/4		1/4		1/4	4,218.27	1/4	3,974.99	1/4	3,719.72	1/4	3,452.46	1/4	3,126.22	1/4	2,768.87	1/4	2,411.53
1/2		1/2		1/2		1/2	4,213.33	1/2	3,969.80	1/2	3,714.28	1/2	3,446.76	1/2	3,118.77	1/2	2,761.43	1/2	2,404.08
3/4		3/4		3/4		3/4	4,208.38	3/4	3,964.60	3/4	3,708.84	3/4	3,441.07	3/4	3,111.33	3/4	2,753.98	3/4	2,396.64
9	9	9	9	9	9	9	4,203.42	9	3,959.39	9	3,703.37	9	3,435.36	9	3,103.88	9	2,746.54	9	2,389.19
1/4		1/4		1/4		1/4	4,198.45	1/4	3,954.17	1/4	3,697.91	1/4	3,429.65	1/4	3,096.44	1/4	2,739.09	1/4	2,381.75
1/2		1/2		1/2		1/2	4,193.48	1/2	3,948.96	1/2	3,692.44	1/2	3,423.93	1/2	3,089.00	1/2	2,731.65	1/2	2,374.30
3/4		3/4		3/4		3/4	4,188.51	3/4	3,943.75	3/4	3,686.97	3/4	3,418.22	3/4	3,081.55	3/4	2,724.21	3/4	2,366.86
10	10	10	10	10	10	10	4,183.53	10	3,938.51	10	3,681.49	10	3,412.50	10	3,074.11	10	2,717.76	10	2,359.41
1/4		1/4		1/4		1/4	4,178.55	1/4	3,933.27	1/4	3,676.01	1/4	3,406.78	1/4	3,066.66	1/4	2,709.32	1/4	2,351.97
1/2		1/2		1/2		1/2	4,173.56	1/2	3,928.03	1/2	3,670.52	1/2	3,401.06	1/2	3,059.22	1/2	2,701.87	1/2	2,344.53
3/4		3/4		3/4		3/4	4,168.58	3/4	3,922.80	3/4	3,665.04	3/4	3,395.33	3/4	3,051.77	3/4	2,694.43	3/4	2,337.08
11	11	11	11	11	11	11	4,163.57	11	3,917.54	11	3,659.53	11	3,389.61	11	3,044.33	11	2,686.98	11	2,329.64
1/4		1/4		1/4		1/4	4,158.56	1/4	3,912.29	1/4	3,654.02	1/4	3,383.89	1/4	3,036.88	1/4	2,679.54	1/4	2,322.19
1/2		1/2		1/2		1/2	4,153.55	1/2	3,907.03	1/2	3,648.52	1/2	3,378.17	1/2	3,029.44	1/2	2,672.09	1/2	2,314.75
3/4		3/4		3/4		3/4	4,389.54	3/4	4,148.54	3/4	3,901.78	3/4	3,643.01	3/4	3,372.45	3/4	3,021.99	3/4	2,664.65

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "KIRBY 29127"

**3 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,299.86	0	1,942.51	0	1,585.17	0	1,227.82	0	870.73	0	513.53	0	156.19	0		0		0	
1/4	2,292.41	1/4	1,935.07	1/4	1,577.72	1/4	1,220.38	1/4	863.30	1/4	506.08	1/4	148.75	1/4		1/4		1/4	
1/2	2,284.97	1/2	1,927.62	1/2	1,570.28	1/2	1,212.93	1/2	855.87	1/2	498.64	1/2	141.30	1/2		1/2		1/2	
3/4	2,277.52	3/4	1,920.18	3/4	1,562.83	3/4	1,205.49	3/4	848.43	3/4	491.19	3/4	133.86	3/4		3/4		3/4	
1	2,270.08	1	1,912.73	1	1,555.39	1	1,198.04	1	841.00	1	483.75	1	126.41	1		1		1	
1/4	2,262.63	1/4	1,905.29	1/4	1,547.94	1/4	1,190.60	1/4	833.57	1/4	476.30	1/4	118.97	1/4		1/4		1/4	
1/2	2,255.19	1/2	1,897.84	1/2	1,540.50	1/2	1,183.15	1/2	826.14	1/2	468.86	1/2	111.53	1/2		1/2		1/2	
3/4	2,247.74	3/4	1,890.40	3/4	1,533.05	3/4	1,175.71	3/4	818.70	3/4	461.42	3/4	104.08	3/4		3/4		3/4	
2	2,240.30	2	1,882.95	2	1,525.61	2	1,168.26	2	811.27	2	453.97	2	96.95	2		2		2	
1/4	2,232.85	1/4	1,875.51	1/4	1,518.16	1/4	1,160.82	1/4	803.84	1/4	446.53	1/4	89.82	1/4		1/4		1/4	
1/2	2,225.41	1/2	1,868.06	1/2	1,510.72	1/2	1,153.37	1/2	796.41	1/2	439.08	1/2	82.69	1/2		1/2		1/2	
3/4	2,217.97	3/4	1,860.62	3/4	1,503.27	3/4	1,145.93	3/4	788.97	3/4	431.64	3/4	75.56	3/4		3/4		3/4	
3	2,210.52	3	1,853.18	3	1,495.83	3	1,138.48	3	781.53	3	424.19	3	69.37	3		3		3	
1/4	2,203.08	1/4	1,845.73	1/4	1,488.38	1/4	1,131.04	1/4	774.08	1/4	416.75	1/4	63.18	1/4		1/4		1/4	
1/2	2,195.63	1/2	1,838.29	1/2	1,480.94	1/2	1,123.59	1/2	766.64	1/2	409.30	1/2	56.99	1/2		1/2		1/2	
3/4	2,188.19	3/4	1,830.84	3/4	1,473.50	3/4	1,116.15	3/4	759.20	3/4	401.86	3/4	50.80	3/4		3/4		3/4	
4	2,180.74	4	1,823.40	4	1,466.05	4	1,108.71	4	751.75	4	394.41	4	45.87	4		4		4	
1/4	2,173.30	1/4	1,815.95	1/4	1,458.61	1/4	1,101.26	1/4	744.31	1/4	386.97	1/4	40.93	1/4		1/4		1/4	
1/2	2,165.85	1/2	1,808.51	1/2	1,451.16	1/2	1,093.82	1/2	736.86	1/2	379.53	1/2	36.00	1/2		1/2		1/2	
3/4	2,158.41	3/4	1,801.06	3/4	1,443.72	3/4	1,086.37	3/4	729.42	3/4	372.08	3/4	31.06	3/4		3/4		3/4	
5	2,150.96	5	1,793.62	5	1,436.27	5	1,078.93	5	721.97	5	364.64	5	27.39	5		5		5	
1/4	2,143.52	1/4	1,786.17	1/4	1,428.83	1/4	1,071.48	1/4	714.53	1/4	357.19	1/4	23.72	1/4		1/4		1/4	
1/2	2,136.07	1/2	1,778.73	1/2	1,421.38	1/2	1,064.04	1/2	707.08	1/2	349.75	1/2	20.05	1/2		1/2		1/2	
3/4	2,128.63	3/4	1,771.28	3/4	1,413.94	3/4	1,056.59	3/4	699.64	3/4	342.30	3/4	16.38	3/4		3/4		3/4	
6	2,121.18	6	1,763.84	6	1,406.49	6	1,049.15	6	692.19	6	334.86	6		6		6		6	
1/4	2,113.74	1/4	1,756.39	1/4	1,399.05	1/4	1,041.70	1/4	684.75	1/4	327.41	1/4		1/4		1/4		1/4	
1/2	2,106.30	1/2	1,748.95	1/2	1,391.60	1/2	1,034.26	1/2	677.31	1/2	319.97	1/2		1/2		1/2		1/2	
3/4	2,098.85	3/4	1,741.50	3/4	1,384.16	3/4	1,026.81	3/4	669.86	3/4	312.53	3/4		3/4		3/4		3/4	
7	2,091.41	7	1,734.06	7	1,376.71	7	1,019.38	7	662.42	7	305.08	7		7		7		7	
1/4	2,083.96	1/4	1,726.62	1/4	1,369.27	1/4	1,011.95	1/4	654.97	1/4	297.64	1/4		1/4		1/4		1/4	
1/2	2,076.52	1/2	1,719.17	1/2	1,361.83	1/2	1,004.52	1/2	647.53	1/2	290.19	1/2		1/2		1/2		1/2	
3/4	2,069.07	3/4	1,711.73	3/4	1,354.38	3/4	997.08	3/4	640.08	3/4	282.75	3/4		3/4		3/4		3/4	
8	2,061.63	8	1,704.28	8	1,346.94	8	989.65	8	632.64	8	275.30	8		8		8		8	
1/4	2,054.18	1/4	1,696.84	1/4	1,339.49	1/4	982.22	1/4	625.19	1/4	267.86	1/4		1/4		1/4		1/4	
1/2	2,046.74	1/2	1,689.39	1/2	1,332.05	1/2	974.79	1/2	617.75	1/2	260.41	1/2		1/2		1/2		1/2	
3/4	2,039.29	3/4	1,681.95	3/4	1,324.60	3/4	967.35	3/4	610.31	3/4	252.97	3/4		3/4		3/4		3/4	
9	2,031.85	9	1,674.50	9	1,317.16	9	959.92	9	602.86	9	245.52	9		9		9		9	
1/4	2,024.40	1/4	1,667.06	1/4	1,309.71	1/4	952.49	1/4	595.42	1/4	238.08	1/4		1/4		1/4		1/4	
1/2	2,016.96	1/2	1,659.61	1/2	1,302.27	1/2	945.06	1/2	587.97	1/2	230.64	1/2		1/2		1/2		1/2	
3/4	2,009.51	3/4	1,652.17	3/4	1,294.82	3/4	937.62	3/4	580.53	3/4	223.19	3/4		3/4		3/4		3/4	
10	2,002.07	10	1,644.72	10	1,287.38	10	930.19	10	573.08	10	215.75	10		10		10		10	
1/4	1,994.62	1/4	1,637.28	1/4	1,279.93	1/4	922.76	1/4	565.64	1/4	208.30	1/4		1/4		1/4		1/4	
1/2	1,987.18	1/2	1,629.83	1/2	1,272.49	1/2	915.33	1/2	558.19	1/2	200.86	1/2		1/2		1/2		1/2	
3/4	1,979.74	3/4	1,622.39	3/4	1,265.04	3/4	907.89	3/4	550.75	3/4	193.41	3/4		3/4		3/4		3/4	
11	1,972.29	11	1,614.94	11	1,257.60	11	900.46	11	543.30	11	185.97	11		11		11		11	
1/4	1,964.85	1/4	1,607.50	1/4	1,250.15	1/4	893.03	1/4	535.86	1/4	178.52	1/4		1/4		1/4		1/4	
1/2	1,957.40	1/2	1,600.06	1/2	1,242.71	1/2	885.60	1/2	528.42	1/2	171.08	1/2		1/2		1/2		1/2	
3/4	1,949.96	3/4	1,592.61	3/4	1,235.27	3/4	878.16	3/4	520.97	3/4	163.64	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2014 CL
CALCULATED: 12/19/2014 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2014

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