



BARGE "KIRBY 28147"

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

(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 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 236'-06"

June 7, 2012

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28147"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,215.38		3,926.38		3,623.08		3,305.84		2,976.27		2,644.52		2,312.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,209.47	1/4	3,920.22	1/4	3,616.60	1/4	3,299.08	1/4	2,969.36	1/4	2,637.61	1/4	2,305.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,203.55	1/2	3,914.06	1/2	3,610.12	1/2	3,292.31	1/2	2,962.45	1/2	2,630.69	1/2	2,298.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,197.63	3/4	3,907.90	3/4	3,603.64	3/4	3,285.55	3/4	2,955.54	3/4	2,623.78	3/4	2,291.99
1	1	1	1	1	1	1	4,191.71	1	3,901.73	1	3,597.16	1	3,278.79	1	2,948.63	1	2,616.87	1	2,285.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,185.78	1/4	3,895.55	1/4	3,590.65	1/4	3,272.00	1/4	2,941.72	1/4	2,609.96	1/4	2,278.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,179.84	1/2	3,889.36	1/2	3,584.15	1/2	3,265.21	1/2	2,934.80	1/2	2,603.05	1/2	2,271.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,173.90	3/4	3,883.17	3/4	3,577.65	3/4	3,258.42	3/4	2,927.89	3/4	2,596.14	3/4	2,264.34
2	2	2	2	2	2	2	4,167.96	2	3,876.98	2	3,571.15	2	3,251.63	2	2,920.98	2	2,589.22	2	2,257.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,161.99	1/4	3,870.77	1/4	3,564.62	1/4	3,244.82	1/4	2,914.07	1/4	2,582.31	1/4	2,250.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,156.03	1/2	3,864.56	1/2	3,558.10	1/2	3,238.01	1/2	2,907.16	1/2	2,575.40	1/2	2,243.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,150.06	3/4	3,858.35	3/4	3,551.57	3/4	3,231.20	3/4	2,900.25	3/4	2,568.49	3/4	2,236.69
3	3	3	3	3	3	3	4,144.09	3	3,852.14	3	3,545.05	3	3,224.39	3	2,893.34	3	2,561.58	3	2,229.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,138.14	1/4	3,845.87	1/4	3,538.50	1/4	3,217.56	1/4	2,886.42	1/4	2,554.67	1/4	2,222.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,132.19	1/2	3,839.60	1/2	3,531.95	1/2	3,210.73	1/2	2,879.51	1/2	2,547.76	1/2	2,215.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,126.23	3/4	3,833.34	3/4	3,525.40	3/4	3,203.90	3/4	2,872.60	3/4	2,540.84	3/4	2,209.04
4	4	4	4	4	4	4	4,120.28	4	3,827.07	4	3,518.84	4	3,197.07	4	2,865.69	4	2,533.93	4	2,202.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,114.31	1/4	3,820.78	1/4	3,512.27	1/4	3,190.21	1/4	2,858.78	1/4	2,527.02	1/4	2,195.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,108.33	1/2	3,814.49	1/2	3,505.70	1/2	3,183.35	1/2	2,851.87	1/2	2,520.11	1/2	2,188.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,102.35	3/4	3,808.19	3/4	3,499.13	3/4	3,176.49	3/4	2,844.95	3/4	2,513.20	3/4	2,181.39
5	5	5	5	5	5	5	4,096.38	5	3,801.90	5	3,492.55	5	3,169.63	5	2,838.04	5	2,506.29	5	2,174.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,090.38	1/4	3,795.59	1/4	3,485.95	1/4	3,162.75	1/4	2,831.13	1/4	2,499.37	1/4	2,167.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,084.38	1/2	3,789.27	1/2	3,479.35	1/2	3,155.87	1/2	2,824.22	1/2	2,492.46	1/2	2,160.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,078.38	3/4	3,782.96	3/4	3,472.75	3/4	3,148.99	3/4	2,817.31	3/4	2,485.55	3/4	2,153.73
6	6	6	6	6	6	6	4,072.37	6	3,776.64	6	3,466.15	6	3,142.11	6	2,810.40	6	2,478.64	6	2,146.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,365.14	1/4	4,066.35	1/4	3,770.30	1/4	3,459.52	1/4	3,135.21	1/4	2,803.48	1/4	2,471.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,359.95	1/2	4,060.33	1/2	3,763.96	1/2	3,452.90	1/2	3,128.31	1/2	2,796.57	1/2	2,464.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,354.77	3/4	4,054.30	3/4	3,757.61	3/4	3,446.28	3/4	3,121.41	3/4	2,789.66	3/4	2,457.90
7	7	7	7	7	7	7	4,349.58	7	4,048.28	7	3,751.27	7	3,439.66	7	3,114.51	7	2,782.75	7	2,450.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,342.67	1/4	4,042.23	1/4	3,744.91	1/4	3,433.02	1/4	3,107.59	1/4	2,775.84	1/4	2,444.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,335.75	1/2	4,036.18	1/2	3,738.54	1/2	3,426.38	1/2	3,100.68	1/2	2,768.93	1/2	2,437.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,328.84	3/4	4,030.13	3/4	3,732.18	3/4	3,419.73	3/4	3,093.77	3/4	2,762.01	3/4	2,430.25
8	8	8	8	8	8	8	4,321.93	8	4,024.08	8	3,725.82	8	3,413.09	8	3,086.86	8	2,755.10	8	2,423.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,315.02	1/4	4,018.01	1/4	3,719.43	1/4	3,406.42	1/4	3,079.95	1/4	2,748.19	1/4	2,416.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,308.10	1/2	4,011.93	1/2	3,713.05	1/2	3,399.75	1/2	3,073.04	1/2	2,741.28	1/2	2,409.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,301.19	3/4	4,005.86	3/4	3,706.66	3/4	3,393.08	3/4	3,066.13	3/4	2,734.37	3/4	2,402.60
9	9	9	9	9	9	9	4,294.28	9	3,999.79	9	3,700.28	9	3,386.41	9	3,059.21	9	2,727.46	9	2,395.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,287.36	1/4	3,993.70	1/4	3,693.87	1/4	3,379.72	1/4	3,052.30	1/4	2,720.55	1/4	2,388.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,280.45	1/2	3,987.61	1/2	3,687.46	1/2	3,373.03	1/2	3,045.39	1/2	2,713.63	1/2	2,381.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,273.54	3/4	3,981.52	3/4	3,681.04	3/4	3,366.34	3/4	3,038.48	3/4	2,706.72	3/4	2,374.95
10	10	10	10	10	10	10	4,266.62	10	3,975.43	10	3,674.63	10	3,359.65	10	3,031.57	10	2,699.81	10	2,368.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,259.71	1/4	3,969.31	1/4	3,668.20	1/4	3,352.93	1/4	3,024.66	1/4	2,692.90	1/4	2,361.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,252.80	1/2	3,963.18	1/2	3,661.76	1/2	3,346.22	1/2	3,017.74	1/2	2,685.99	1/2	2,354.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,245.89	3/4	3,957.06	3/4	3,655.33	3/4	3,339.51	3/4	3,010.83	3/4	2,679.08	3/4	2,347.30
11	11	11	11	11	11	11	4,238.97	11	3,950.94	11	3,648.90	11	3,332.79	11	3,003.92	11	2,672.16	11	2,340.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,233.08	1/4	3,944.80	1/4	3,642.44	1/4	3,326.06	1/4	2,997.01	1/4	2,665.25	1/4	2,333.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,227.18	1/2	3,938.66	1/2	3,635.99	1/2	3,319.32	1/2	2,990.10	1/2	2,658.34	1/2	2,326.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,221.28	3/4	3,932.52	3/4	3,629.54	3/4	3,312.58	3/4	2,983.19	3/4	2,651.43	3/4	2,319.65

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 37'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 28147"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,980.91	0	1,649.08	0	1,317.26	0	985.77	0	669.15	0	375.64	0	105.75	0		0		0	
1/4	1,974.00	1/4	1,642.17	1/4	1,310.35	1/4	978.94	1/4	662.81	1/4	369.79	1/4	100.40	1/4		1/4		1/4	
1/2	1,967.08	1/2	1,635.26	1/2	1,303.43	1/2	972.11	1/2	656.47	1/2	363.94	1/2	95.04	1/2		1/2		1/2	
3/4	1,960.17	3/4	1,628.35	3/4	1,296.52	3/4	965.28	3/4	650.13	3/4	358.09	3/4	89.68	3/4		3/4		3/4	
1	1,953.26	1	1,621.43	1	1,289.61	1	958.45	1	643.79	1	352.24	1	84.33	1		1		1	
1/4	1,946.34	1/4	1,614.52	1/4	1,282.70	1/4	951.67	1/4	637.49	1/4	346.44	1/4	79.02	1/4		1/4		1/4	
1/2	1,939.43	1/2	1,607.61	1/2	1,275.78	1/2	944.90	1/2	631.19	1/2	340.63	1/2	73.71	1/2		1/2		1/2	
3/4	1,932.52	3/4	1,600.69	3/4	1,268.87	3/4	938.12	3/4	624.89	3/4	334.83	3/4	68.40	3/4		3/4		3/4	
2	1,925.60	2	1,593.78	2	1,261.96	2	931.35	2	618.59	2	329.02	2	63.09	2		2		2	
1/4	1,918.69	1/4	1,586.87	1/4	1,255.04	1/4	924.61	1/4	612.33	1/4	323.25	1/4	57.81	1/4		1/4		1/4	
1/2	1,911.78	1/2	1,579.95	1/2	1,248.13	1/2	917.88	1/2	606.07	1/2	317.49	1/2	52.54	1/2		1/2		1/2	
3/4	1,904.87	3/4	1,573.04	3/4	1,241.22	3/4	911.14	3/4	599.81	3/4	311.72	3/4	47.27	3/4		3/4		3/4	
3	1,897.95	3	1,566.13	3	1,234.30	3	904.41	3	593.56	3	305.95	3	41.99	3		3		3	
1/4	1,891.04	1/4	1,559.22	1/4	1,227.39	1/4	897.71	1/4	587.34	1/4	300.23	1/4	37.63	1/4		1/4		1/4	
1/2	1,884.13	1/2	1,552.30	1/2	1,220.48	1/2	891.02	1/2	581.12	1/2	294.50	1/2	33.27	1/2		1/2		1/2	
3/4	1,877.21	3/4	1,545.39	3/4	1,213.57	3/4	884.33	3/4	574.91	3/4	288.78	3/4	28.90	3/4		3/4		3/4	
4	1,870.30	4	1,538.48	4	1,206.65	4	877.63	4	568.69	4	283.05	4	24.54	4		4		4	
1/4	1,863.39	1/4	1,531.56	1/4	1,199.74	1/4	870.98	1/4	562.51	1/4	277.37	1/4	21.94	1/4		1/4		1/4	
1/2	1,856.47	1/2	1,524.65	1/2	1,192.83	1/2	864.33	1/2	556.33	1/2	271.68	1/2	19.34	1/2		1/2		1/2	
3/4	1,849.56	3/4	1,517.74	3/4	1,185.91	3/4	857.67	3/4	550.16	3/4	266.00	3/4	16.75	3/4		3/4		3/4	
5	1,842.65	5	1,510.82	5	1,179.00	5	851.02	5	543.98	5	260.31	5	14.15	5		5		5	
1/4	1,835.74	1/4	1,503.91	1/4	1,172.09	1/4	844.41	1/4	537.85	1/4	254.67	1/4		1/4		1/4		1/4	
1/2	1,828.82	1/2	1,497.00	1/2	1,165.17	1/2	837.80	1/2	531.71	1/2	249.03	1/2		1/2		1/2		1/2	
3/4	1,821.91	3/4	1,490.09	3/4	1,158.26	3/4	831.19	3/4	525.58	3/4	243.39	3/4		3/4		3/4		3/4	
6	1,815.00	6	1,483.17	6	1,151.35	6	824.58	6	519.44	6	237.75	6		6		6		6	
1/4	1,808.08	1/4	1,476.26	1/4	1,144.44	1/4	818.01	1/4	513.35	1/4	232.14	1/4		1/4		1/4		1/4	
1/2	1,801.17	1/2	1,469.35	1/2	1,137.52	1/2	811.43	1/2	507.25	1/2	226.54	1/2		1/2		1/2		1/2	
3/4	1,794.26	3/4	1,462.43	3/4	1,130.61	3/4	804.86	3/4	501.16	3/4	220.93	3/4		3/4		3/4		3/4	
7	1,787.34	7	1,455.52	7	1,123.70	7	798.29	7	495.06	7	215.33	7		7		7		7	
1/4	1,780.43	1/4	1,448.61	1/4	1,116.78	1/4	791.76	1/4	489.01	1/4	209.77	1/4		1/4		1/4		1/4	
1/2	1,773.52	1/2	1,441.69	1/2	1,109.87	1/2	785.23	1/2	482.96	1/2	204.21	1/2		1/2		1/2		1/2	
3/4	1,766.61	3/4	1,434.78	3/4	1,102.96	3/4	778.70	3/4	476.90	3/4	198.65	3/4		3/4		3/4		3/4	
8	1,759.69	8	1,427.87	8	1,096.04	8	772.17	8	470.85	8	193.09	8		8		8		8	
1/4	1,752.78	1/4	1,420.96	1/4	1,089.13	1/4	765.69	1/4	464.84	1/4	187.57	1/4		1/4		1/4		1/4	
1/2	1,745.87	1/2	1,414.04	1/2	1,082.22	1/2	759.20	1/2	458.83	1/2	182.05	1/2		1/2		1/2		1/2	
3/4	1,738.95	3/4	1,407.13	3/4	1,075.31	3/4	752.71	3/4	452.81	3/4	176.52	3/4		3/4		3/4		3/4	
9	1,732.04	9	1,400.22	9	1,068.40	9	746.22	9	446.80	9	171.00	9		9		9		9	
1/4	1,725.13	1/4	1,393.30	1/4	1,061.49	1/4	739.76	1/4	440.83	1/4	165.52	1/4		1/4		1/4		1/4	
1/2	1,718.21	1/2	1,386.39	1/2	1,054.59	1/2	733.29	1/2	434.86	1/2	160.05	1/2		1/2		1/2		1/2	
3/4	1,711.30	3/4	1,379.48	3/4	1,047.69	3/4	726.83	3/4	428.89	3/4	154.57	3/4		3/4		3/4		3/4	
10	1,704.39	10	1,372.56	10	1,040.78	10	720.37	10	422.92	10	149.09	10		10		10		10	
1/4	1,697.48	1/4	1,365.65	1/4	1,033.89	1/4	713.94	1/4	416.99	1/4	143.65	1/4		1/4		1/4		1/4	
1/2	1,690.56	1/2	1,358.74	1/2	1,027.01	1/2	707.52	1/2	411.06	1/2	138.21	1/2		1/2		1/2		1/2	
3/4	1,683.65	3/4	1,351.83	3/4	1,020.12	3/4	701.10	3/4	405.13	3/4	132.77	3/4		3/4		3/4		3/4	
11	1,676.74	11	1,344.91	11	1,013.23	11	694.67	11	399.19	11	127.33	11		11		11		11	
1/4	1,669.82	1/4	1,338.00	1/4	1,006.37	1/4	688.29	1/4	393.31	1/4	121.93	1/4		1/4		1/4		1/4	
1/2	1,662.91	1/2	1,331.09	1/2	999.50	1/2	681.91	1/2	387.42	1/2	116.54	1/2		1/2		1/2		1/2	
3/4	1,656.00	3/4	1,324.17	3/4	992.64	3/4	675.53	3/4	381.53	3/4	111.15	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2012 CL - SW
CALCULATED: 06/07/2012 CL
PRINTED: 06/07/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "KIRBY 28147"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,212.49		3,923.57		3,620.35		3,303.19		2,973.71		2,642.03		2,310.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,206.58	1/4	3,917.41	1/4	3,613.87	1/4	3,296.43	1/4	2,966.80	1/4	2,635.12	1/4	2,303.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,200.66	1/2	3,911.25	1/2	3,607.39	1/2	3,289.67	1/2	2,959.89	1/2	2,628.21	1/2	2,296.51		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,194.75	3/4	3,905.09	3/4	3,600.91	3/4	3,282.91	3/4	2,952.98	3/4	2,621.30	3/4	2,289.60		
1	1	1	1	1	1	1	4,188.83	1	3,898.93	1	3,594.43	1	3,276.15	1	2,946.07	1	2,614.39	1	2,282.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,182.89	1/4	3,892.74	1/4	3,587.93	1/4	3,269.36	1/4	2,939.16	1/4	2,607.48	1/4	2,275.78		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,176.95	1/2	3,886.55	1/2	3,581.43	1/2	3,262.57	1/2	2,932.25	1/2	2,600.57	1/2	2,268.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,171.02	3/4	3,880.36	3/4	3,574.93	3/4	3,255.78	3/4	2,925.34	3/4	2,593.66	3/4	2,261.95		
2	2	2	2	2	2	2	4,165.08	2	3,874.18	2	3,568.42	2	3,248.99	2	2,918.43	2	2,586.75	2	2,255.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,159.11	1/4	3,867.97	1/4	3,561.90	1/4	3,242.18	1/4	2,911.52	1/4	2,579.84	1/4	2,248.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,153.15	1/2	3,861.76	1/2	3,555.38	1/2	3,235.38	1/2	2,904.61	1/2	2,572.93	1/2	2,241.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,147.19	3/4	3,855.55	3/4	3,548.86	3/4	3,228.57	3/4	2,897.70	3/4	2,566.02	3/4	2,234.31		
3	3	3	3	3	3	3	4,141.22	3	3,849.34	3	3,542.33	3	3,221.76	3	2,890.79	3	2,559.11	3	2,227.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,135.27	1/4	3,843.08	1/4	3,535.78	1/4	3,214.93	1/4	2,883.88	1/4	2,552.20	1/4	2,220.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,129.32	1/2	3,836.81	1/2	3,529.24	1/2	3,208.10	1/2	2,876.97	1/2	2,545.29	1/2	2,213.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,123.37	3/4	3,830.55	3/4	3,522.69	3/4	3,201.27	3/4	2,870.06	3/4	2,538.38	3/4	2,206.66		
4	4	4	4	4	4	4	4,117.41	4	3,824.28	4	3,516.14	4	3,194.45	4	2,863.15	4	2,531.47	4	2,199.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,111.44	1/4	3,817.99	1/4	3,509.57	1/4	3,187.59	1/4	2,856.24	1/4	2,524.56	1/4	2,192.84		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,105.47	1/2	3,811.70	1/2	3,503.00	1/2	3,180.73	1/2	2,849.33	1/2	2,517.65	1/2	2,185.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,099.49	3/4	3,805.41	3/4	3,496.42	3/4	3,173.87	3/4	2,842.42	3/4	2,510.74	3/4	2,179.02		
5	5	5	5	5	5	5	4,093.52	5	3,799.12	5	3,489.85	5	3,167.01	5	2,835.51	5	2,503.83	5	2,172.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,087.52	1/4	3,792.81	1/4	3,483.25	1/4	3,160.14	1/4	2,828.60	1/4	2,496.92	1/4	2,165.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,081.52	1/2	3,786.49	1/2	3,476.65	1/2	3,153.26	1/2	2,821.69	1/2	2,490.01	1/2	2,158.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,075.52	3/4	3,780.18	3/4	3,470.05	3/4	3,146.38	3/4	2,814.78	3/4	2,483.10	3/4	2,151.38		
6	6	6	6	6	6	6	4,069.52	6	3,773.87	6	3,463.45	6	3,139.50	6	2,807.87	6	2,476.19	6	2,144.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,063.50	1/4	3,767.53	1/4	3,456.83	1/4	3,132.60	1/4	2,800.96	1/4	2,469.28	1/4	2,137.55		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,357.02	1/2	4,057.48	1/2	3,761.18	1/2	3,450.21	1/2	3,125.70	1/2	2,794.05	1/2	2,462.37	1/2	2,130.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,351.84	3/4	4,051.46	3/4	3,754.84	3/4	3,443.60	3/4	3,118.80	3/4	2,787.14	3/4	2,455.46	3/4	2,123.73
7	7	7	7	7	7	7	4,346.65	7	4,045.43	7	3,748.50	7	3,436.98	7	3,111.90	7	2,780.23	7	2,448.55	7	2,116.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,339.74	1/4	4,039.38	1/4	3,742.14	1/4	3,430.34	1/4	3,104.99	1/4	2,773.32	1/4	2,441.64	1/4	2,109.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,332.83	1/2	4,033.33	1/2	3,735.78	1/2	3,423.69	1/2	3,098.08	1/2	2,766.41	1/2	2,434.73	1/2	2,103.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,325.92	3/4	4,027.28	3/4	3,729.42	3/4	3,417.05	3/4	3,091.17	3/4	2,759.50	3/4	2,427.82	3/4	2,096.09
8	8	8	8	8	8	8	4,319.01	8	4,021.23	8	3,723.06	8	3,410.41	8	3,084.26	8	2,752.59	8	2,420.91	8	2,089.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,312.10	1/4	4,015.17	1/4	3,716.67	1/4	3,403.74	1/4	3,077.35	1/4	2,745.68	1/4	2,414.00	1/4	2,082.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,305.19	1/2	4,009.10	1/2	3,710.29	1/2	3,397.07	1/2	3,070.44	1/2	2,738.77	1/2	2,407.09	1/2	2,075.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,298.28	3/4	4,003.03	3/4	3,703.91	3/4	3,390.41	3/4	3,063.53	3/4	2,731.86	3/4	2,400.18	3/4	2,068.44
9	9	9	9	9	9	9	4,291.36	9	3,996.96	9	3,697.53	9	3,383.74	9	3,056.62	9	2,724.95	9	2,393.26	9	2,061.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,284.45	1/4	3,990.87	1/4	3,691.11	1/4	3,377.05	1/4	3,049.71	1/4	2,718.04	1/4	2,386.35	1/4	2,054.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,277.54	1/2	3,984.78	1/2	3,684.70	1/2	3,370.36	1/2	3,042.80	1/2	2,711.13	1/2	2,379.44	1/2	2,047.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,270.63	3/4	3,978.69	3/4	3,678.29	3/4	3,363.67	3/4	3,035.89	3/4	2,704.22	3/4	2,372.53	3/4	2,040.80
10	10	10	10	10	10	10	4,263.72	10	3,972.60	10	3,671.88	10	3,356.98	10	3,028.98	10	2,697.31	10	2,365.62	10	2,033.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,256.81	1/4	3,966.48	1/4	3,665.45	1/4	3,350.27	1/4	3,022.07	1/4	2,690.40	1/4	2,358.71	1/4	2,026.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,249.90	1/2	3,960.36	1/2	3,659.02	1/2	3,343.56	1/2	3,015.16	1/2	2,683.49	1/2	2,351.80	1/2	2,020.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,242.99	3/4	3,954.24	3/4	3,652.59	3/4	3,336.85	3/4	3,008.25	3/4	2,676.58	3/4	2,344.89	3/4	2,013.15
11	11	11	11	11	11	11	4,236.08	11	3,948.12	11	3,646.16	11	3,330.14	11	3,001.34	11	2,669.67	11	2,337.98	11	2,006.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,230.18	1/4	3,941.98	1/4	3,639.71	1/4	3,323.40	1/4	2,994.43	1/4	2,662.76	1/4	2,331.06	1/4	1,999.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,224.28	1/2	3,935.85	1/2	3,633.25	1/2	3,316.66	1/2	2,987.53	1/2	2,655.85	1/2	2,324.15	1/2	1,992.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,218.39	3/4	3,929.71	3/4	3,626.80	3/4	3,309.92	3/4	2,980.62	3/4	2,648.94	3/4	2,317.24	3/4	1,985.51

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 37'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28147"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,978.60	0	1,646.87	0	1,315.13	0	983.85	0	668.96	0	375.53	0	105.72	0		0		0	
1/4	1,971.69	1/4	1,639.95	1/4	1,308.22	1/4	977.06	1/4	662.62	1/4	369.69	1/4	100.37	1/4		1/4		1/4	
1/2	1,964.78	1/2	1,633.04	1/2	1,301.31	1/2	970.27	1/2	656.28	1/2	363.84	1/2	95.01	1/2		1/2		1/2	
3/4	1,957.86	3/4	1,626.13	3/4	1,294.40	3/4	963.47	3/4	649.94	3/4	357.99	3/4	89.66	3/4		3/4		3/4	
1	1,950.95	1	1,619.22	1	1,287.49	1	956.68	1	643.60	1	352.14	1	84.30	1		1		1	
1/4	1,944.04	1/4	1,612.31	1/4	1,280.58	1/4	949.94	1/4	637.31	1/4	346.34	1/4	78.99	1/4		1/4		1/4	
1/2	1,937.13	1/2	1,605.40	1/2	1,273.67	1/2	943.21	1/2	631.01	1/2	340.53	1/2	73.69	1/2		1/2		1/2	
3/4	1,930.22	3/4	1,598.49	3/4	1,266.75	3/4	936.48	3/4	624.71	3/4	334.73	3/4	68.38	3/4		3/4		3/4	
2	1,923.31	2	1,591.58	2	1,259.84	2	929.74	2	618.42	2	328.93	2	63.07	2		2		2	
1/4	1,916.40	1/4	1,584.67	1/4	1,252.93	1/4	923.05	1/4	612.16	1/4	323.16	1/4	57.80	1/4		1/4		1/4	
1/2	1,909.49	1/2	1,577.75	1/2	1,246.02	1/2	916.35	1/2	605.90	1/2	317.39	1/2	52.52	1/2		1/2		1/2	
3/4	1,902.58	3/4	1,570.84	3/4	1,239.11	3/4	909.66	3/4	599.64	3/4	311.63	3/4	47.25	3/4		3/4		3/4	
3	1,895.66	3	1,563.93	3	1,232.20	3	902.96	3	593.39	3	305.86	3	41.98	3		3		3	
1/4	1,888.75	1/4	1,557.02	1/4	1,225.29	1/4	896.31	1/4	587.17	1/4	300.14	1/4	37.62	1/4		1/4		1/4	
1/2	1,881.84	1/2	1,550.11	1/2	1,218.38	1/2	889.66	1/2	580.96	1/2	294.42	1/2	33.26	1/2		1/2		1/2	
3/4	1,874.93	3/4	1,543.20	3/4	1,211.47	3/4	883.00	3/4	574.74	3/4	288.70	3/4	28.89	3/4		3/4		3/4	
4	1,868.02	4	1,536.29	4	1,204.55	4	876.35	4	568.53	4	282.97	4	24.53	4		4		4	
1/4	1,861.11	1/4	1,529.38	1/4	1,197.64	1/4	869.74	1/4	562.35	1/4	277.29	1/4	21.93	1/4		1/4		1/4	
1/2	1,854.20	1/2	1,522.47	1/2	1,190.73	1/2	863.13	1/2	556.18	1/2	271.61	1/2	19.34	1/2		1/2		1/2	
3/4	1,847.29	3/4	1,515.55	3/4	1,183.82	3/4	856.51	3/4	550.00	3/4	265.92	3/4	16.74	3/4		3/4		3/4	
5	1,840.38	5	1,508.64	5	1,176.91	5	849.90	5	543.83	5	260.24	5	14.14	5		5		5	
1/4	1,833.46	1/4	1,501.73	1/4	1,170.00	1/4	843.33	1/4	537.69	1/4	254.60	1/4		1/4		1/4		1/4	
1/2	1,826.55	1/2	1,494.82	1/2	1,163.09	1/2	836.76	1/2	531.56	1/2	248.96	1/2		1/2		1/2		1/2	
3/4	1,819.64	3/4	1,487.91	3/4	1,156.18	3/4	830.19	3/4	525.43	3/4	243.32	3/4		3/4		3/4		3/4	
6	1,812.73	6	1,481.00	6	1,149.27	6	823.62	6	519.30	6	237.68	6		6		6		6	
1/4	1,805.82	1/4	1,474.09	1/4	1,142.35	1/4	817.09	1/4	513.20	1/4	232.08	1/4		1/4		1/4		1/4	
1/2	1,798.91	1/2	1,467.18	1/2	1,135.44	1/2	810.56	1/2	507.11	1/2	226.47	1/2		1/2		1/2		1/2	
3/4	1,792.00	3/4	1,460.27	3/4	1,128.53	3/4	804.03	3/4	501.02	3/4	220.87	3/4		3/4		3/4		3/4	
7	1,785.09	7	1,453.35	7	1,121.62	7	797.50	7	494.92	7	215.27	7		7		7		7	
1/4	1,778.18	1/4	1,446.44	1/4	1,114.71	1/4	791.01	1/4	488.87	1/4	209.71	1/4		1/4		1/4		1/4	
1/2	1,771.27	1/2	1,439.53	1/2	1,107.80	1/2	784.52	1/2	482.82	1/2	204.15	1/2		1/2		1/2		1/2	
3/4	1,764.35	3/4	1,432.62	3/4	1,100.89	3/4	778.03	3/4	476.77	3/4	198.59	3/4		3/4		3/4		3/4	
8	1,757.44	8	1,425.71	8	1,093.98	8	771.54	8	470.72	8	193.04	8		8		8		8	
1/4	1,750.53	1/4	1,418.80	1/4	1,087.07	1/4	765.09	1/4	464.71	1/4	187.52	1/4		1/4		1/4		1/4	
1/2	1,743.62	1/2	1,411.89	1/2	1,080.16	1/2	758.64	1/2	458.70	1/2	181.99	1/2		1/2		1/2		1/2	
3/4	1,736.71	3/4	1,404.98	3/4	1,073.25	3/4	752.19	3/4	452.68	3/4	176.47	3/4		3/4		3/4		3/4	
9	1,729.80	9	1,398.07	9	1,066.34	9	745.74	9	446.67	9	170.95	9		9		9		9	
1/4	1,722.89	1/4	1,391.15	1/4	1,059.44	1/4	739.32	1/4	440.70	1/4	165.48	1/4		1/4		1/4		1/4	
1/2	1,715.98	1/2	1,384.24	1/2	1,052.53	1/2	732.89	1/2	434.74	1/2	160.00	1/2		1/2		1/2		1/2	
3/4	1,709.07	3/4	1,377.33	3/4	1,045.63	3/4	726.47	3/4	428.77	3/4	154.53	3/4		3/4		3/4		3/4	
10	1,702.15	10	1,370.42	10	1,038.73	10	720.04	10	422.80	10	149.05	10		10		10		10	
1/4	1,695.24	1/4	1,363.51	1/4	1,031.84	1/4	713.65	1/4	416.87	1/4	143.61	1/4		1/4		1/4		1/4	
1/2	1,688.33	1/2	1,356.60	1/2	1,024.96	1/2	707.26	1/2	410.94	1/2	138.17	1/2		1/2		1/2		1/2	
3/4	1,681.42	3/4	1,349.69	3/4	1,018.07	3/4	700.87	3/4	405.01	3/4	132.73	3/4		3/4		3/4		3/4	
11	1,674.51	11	1,342.78	11	1,011.18	11	694.48	11	399.08	11	127.29	11		11		11		11	
1/4	1,667.60	1/4	1,335.87	1/4	1,004.35	1/4	688.10	1/4	393.19	1/4	121.90	1/4		1/4		1/4		1/4	
1/2	1,660.69	1/2	1,328.95	1/2	997.52	1/2	681.72	1/2	387.31	1/2	116.51	1/2		1/2		1/2		1/2	
3/4	1,653.78	3/4	1,322.04	3/4	990.69	3/4	675.34	3/4	381.42	3/4	111.11	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2012 CL - SW
CALCULATED: 06/07/2012 CL
PRINTED: 06/07/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 28147"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	5,104.10	0	4,766.99	0	4,412.42	0	4,041.15	0	3,655.47	0	3,267.21	0	2,878.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,097.17	1/4	4,759.81	1/4	4,404.83	1/4	4,033.24	1/4	3,647.38	1/4	3,259.13	1/4	2,870.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,090.24	1/2	4,752.63	1/2	4,397.25	1/2	4,025.33	1/2	3,639.29	1/2	3,251.04	1/2	2,862.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,083.32	3/4	4,745.45	3/4	4,389.66	3/4	4,017.42	3/4	3,631.21	3/4	3,242.95	3/4	2,854.64		
1		1		1		1	5,076.39	1	4,738.27	1	4,382.08	1	4,009.51	1	3,623.12	1	3,232.86	1	2,846.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,069.44	1/4	4,731.05	1/4	4,374.47	1/4	4,001.56	1/4	3,615.03	1/4	3,226.77	1/4	2,838.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,062.49	1/2	4,723.84	1/2	4,366.86	1/2	3,993.61	1/2	3,606.94	1/2	3,218.68	1/2	2,830.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,055.54	3/4	4,716.63	3/4	4,359.25	3/4	3,985.66	3/4	3,598.85	3/4	3,210.59	3/4	2,822.27		
2		2		2		2	5,048.59	2	4,709.42	2	4,351.64	2	3,977.71	2	3,590.76	2	3,202.50	2	2,814.18		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,041.60	1/4	4,702.18	1/4	4,344.00	1/4	3,969.75	1/4	3,582.67	1/4	3,194.42	1/4	2,806.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,034.62	1/2	4,694.95	1/2	4,336.37	1/2	3,961.78	1/2	3,574.59	1/2	3,186.33	1/2	2,798.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,027.64	3/4	4,687.71	3/4	4,328.73	3/4	3,953.81	3/4	3,566.50	3/4	3,178.24	3/4	2,789.91		
3		3		3		3	5,020.66	3	4,680.47	3	4,321.10	3	3,945.84	3	3,558.41	3	3,170.15	3	2,781.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,013.72	1/4	4,673.14	1/4	4,313.43	1/4	3,937.85	1/4	3,550.32	1/4	3,162.06	1/4	2,773.72		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,006.78	1/2	4,665.81	1/2	4,305.76	1/2	3,929.85	1/2	3,542.23	1/2	3,153.97	1/2	2,765.63		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,999.85	3/4	4,658.47	3/4	4,298.10	3/4	3,921.86	3/4	3,534.14	3/4	3,145.88	3/4	2,757.54		
4		4		4		4	4,992.91	4	4,651.14	4	4,290.43	4	3,913.86	4	3,526.05	4	3,137.80	4	2,749.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,985.95	1/4	4,643.78	1/4	4,282.74	1/4	3,905.84	1/4	3,517.96	1/4	3,129.71	1/4	2,741.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,978.98	1/2	4,636.41	1/2	4,275.05	1/2	3,897.81	1/2	3,509.88	1/2	3,121.62	1/2	2,733.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,972.02	3/4	4,629.05	3/4	4,267.36	3/4	3,889.78	3/4	3,501.79	3/4	3,113.53	3/4	2,725.18		
5		5		5		5	4,965.06	5	4,621.68	5	4,259.66	5	3,881.75	5	3,493.70	5	3,105.44	5	2,717.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,958.07	1/4	4,614.29	1/4	4,251.94	1/4	3,873.70	1/4	3,485.61	1/4	3,097.35	1/4	2,709.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,951.07	1/2	4,606.91	1/2	4,244.21	1/2	3,865.65	1/2	3,477.52	1/2	3,089.26	1/2	2,700.90		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,944.08	3/4	4,599.52	3/4	4,236.49	3/4	3,857.60	3/4	3,469.43	3/4	3,081.17	3/4	2,692.81		
6		6		6		6	4,937.09	6	4,592.13	6	4,228.76	6	3,849.55	6	3,461.34	6	3,073.09	6	2,684.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,930.07	1/4	4,584.70	1/4	4,221.01	1/4	3,841.47	1/4	3,453.25	1/4	3,065.00	1/4	2,676.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,273.30	1/2	4,923.05	1/2	4,577.28	1/2	4,213.26	1/2	3,833.40	1/2	3,445.17	1/2	3,056.91	1/2	2,668.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,267.23	3/4	4,916.03	3/4	4,569.85	3/4	4,205.52	3/4	3,825.32	3/4	3,437.08	3/4	3,048.82	3/4	2,660.45
7		7		7		7	5,261.16	7	4,909.01	7	4,562.43	7	4,197.77	7	3,817.25	7	3,428.99	7	3,040.73	7	2,652.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,253.07	1/4	4,901.96	1/4	4,554.98	1/4	4,189.99	1/4	3,809.16	1/4	3,420.90	1/4	3,032.64	1/4	2,644.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,244.98	1/2	4,894.91	1/2	4,547.54	1/2	4,182.22	1/2	3,801.07	1/2	3,412.81	1/2	3,024.55	1/2	2,636.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,236.89	3/4	4,887.86	3/4	4,540.09	3/4	4,174.45	3/4	3,792.98	3/4	3,404.72	3/4	3,016.46	3/4	2,628.08
8		8		8		8	5,228.80	8	4,880.81	8	4,532.65	8	4,166.67	8	3,784.89	8	3,396.63	8	3,008.37	8	2,619.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,220.71	1/4	4,873.74	1/4	4,525.18	1/4	4,158.87	1/4	3,776.80	1/4	3,388.54	1/4	3,000.28	1/4	2,611.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,212.62	1/2	4,866.67	1/2	4,517.70	1/2	4,151.06	1/2	3,768.71	1/2	3,380.46	1/2	2,992.18	1/2	2,603.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,204.53	3/4	4,859.59	3/4	4,510.23	3/4	4,143.25	3/4	3,760.63	3/4	3,372.37	3/4	2,984.09	3/4	2,595.72
9		9		9		9	5,196.43	9	4,852.52	9	4,502.76	9	4,135.45	9	3,752.54	9	3,364.28	9	2,976.00	9	2,587.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,188.34	1/4	4,845.42	1/4	4,495.26	1/4	4,127.62	1/4	3,744.45	1/4	3,356.19	1/4	2,967.91	1/4	2,579.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,180.25	1/2	4,838.32	1/2	4,487.75	1/2	4,119.79	1/2	3,736.36	1/2	3,348.10	1/2	2,959.82	1/2	2,571.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,172.16	3/4	4,831.23	3/4	4,480.25	3/4	4,111.96	3/4	3,728.27	3/4	3,340.01	3/4	2,951.73	3/4	2,563.36
10		10		10		10	5,164.07	10	4,824.13	10	4,472.74	10	4,104.13	10	3,720.18	10	3,331.92	10	2,943.64	10	2,555.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,155.98	1/4	4,817.00	1/4	4,465.21	1/4	4,096.27	1/4	3,712.09	1/4	3,323.84	1/4	2,935.55	1/4	2,547.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,147.89	1/2	4,809.87	1/2	4,457.69	1/2	4,088.41	1/2	3,704.00	1/2	3,315.75	1/2	2,927.46	1/2	2,539.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,139.80	3/4	4,802.74	3/4	4,450.16	3/4	4,080.56	3/4	3,695.92	3/4	3,307.66	3/4	2,919.36	3/4	2,530.99
11		11		11		11	5,131.71	11	4,795.60	11	4,442.63	11	4,072.70	11	3,687.83	11	3,299.57	11	2,911.27	11	2,522.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,124.80	1/4	4,788.45	1/4	4,435.08	1/4	4,064.82	1/4	3,679.74	1/4	3,291.48	1/4	2,903.18	1/4	2,514.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,117.90	1/2	4,781.30	1/2	4,427.52	1/2	4,056.93	1/2	3,671.65	1/2	3,283.39	1/2	2,895.09	1/2	2,506.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,111.00	3/4	4,774.14	3/4	4,419.97	3/4	4,049.04	3/4	3,663.56	3/4	3,275.30	3/4	2,887.00	3/4	2,498.63

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 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28147"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,490.54	0	2,102.16	0	1,713.79	0	1,325.42	0	937.04	0	549.54	0	161.58	0		0		0	
1/4	2,482.44	1/4	2,094.07	1/4	1,705.70	1/4	1,317.33	1/4	928.95	1/4	541.45	1/4	153.50	1/4	1/4	1/4		1/4	1/4
1/2	2,474.35	1/2	2,085.98	1/2	1,697.61	1/2	1,309.24	1/2	920.86	1/2	533.37	1/2	145.42	1/2	1/2	1/2		1/2	1/2
3/4	2,466.26	3/4	2,077.89	3/4	1,689.52	3/4	1,301.14	3/4	912.77	3/4	525.29	3/4	137.33	3/4	3/4	3/4		3/4	3/4
1	2,458.17	1	2,069.80	1	1,681.43	1	1,293.05	1	904.68	1	517.21	1	129.25	1	1	1		1	1
1/4	2,450.08	1/4	2,061.71	1/4	1,673.33	1/4	1,284.96	1/4	896.60	1/4	509.13	1/4	121.17	1/4	1/4	1/4		1/4	1/4
1/2	2,441.99	1/2	2,053.62	1/2	1,665.24	1/2	1,276.87	1/2	888.52	1/2	501.04	1/2	113.09	1/2	1/2	1/2		1/2	1/2
3/4	2,433.90	3/4	2,045.53	3/4	1,657.15	3/4	1,268.78	3/4	880.44	3/4	492.96	3/4	105.01	3/4	3/4	3/4		3/4	3/4
2	2,425.81	2	2,037.43	2	1,649.06	2	1,260.69	2	872.36	2	484.88	2	96.92	2	2	2		2	2
1/4	2,417.72	1/4	2,029.34	1/4	1,640.97	1/4	1,252.60	1/4	864.30	1/4	476.80	1/4	88.84	1/4	1/4	1/4		1/4	1/4
1/2	2,409.63	1/2	2,021.25	1/2	1,632.88	1/2	1,244.51	1/2	856.23	1/2	468.71	1/2	80.76	1/2	1/2	1/2		1/2	1/2
3/4	2,401.53	3/4	2,013.16	3/4	1,624.79	3/4	1,236.42	3/4	848.16	3/4	460.63	3/4	72.68	3/4	3/4	3/4		3/4	3/4
3	2,393.44	3	2,005.07	3	1,616.70	3	1,228.32	3	840.10	3	452.55	3	64.59	3	3	3		3	3
1/4	2,385.35	1/4	1,996.98	1/4	1,608.61	1/4	1,220.23	1/4	832.03	1/4	444.47	1/4	57.52	1/4	1/4	1/4		1/4	1/4
1/2	2,377.26	1/2	1,988.89	1/2	1,600.52	1/2	1,212.14	1/2	823.96	1/2	436.38	1/2	50.45	1/2	1/2	1/2		1/2	1/2
3/4	2,369.17	3/4	1,980.80	3/4	1,592.42	3/4	1,204.05	3/4	815.90	3/4	428.30	3/4	43.38	3/4	3/4	3/4		3/4	3/4
4	2,361.08	4	1,972.71	4	1,584.33	4	1,195.96	4	807.83	4	420.22	4	36.31	4	4	4		4	4
1/4	2,352.99	1/4	1,964.61	1/4	1,576.24	1/4	1,187.87	1/4	799.76	1/4	412.14	1/4	31.26	1/4	1/4	1/4		1/4	1/4
1/2	2,344.90	1/2	1,956.52	1/2	1,568.15	1/2	1,179.78	1/2	791.70	1/2	404.05	1/2	26.21	1/2	1/2	1/2		1/2	1/2
3/4	2,336.81	3/4	1,948.43	3/4	1,560.06	3/4	1,171.69	3/4	783.63	3/4	395.97	3/4	21.16	3/4	3/4	3/4		3/4	3/4
5	2,328.71	5	1,940.34	5	1,551.97	5	1,163.60	5	775.56	5	387.89	5	16.11	5	5	5		5	5
1/4	2,320.62	1/4	1,932.25	1/4	1,543.88	1/4	1,155.50	1/4	767.50	1/4	379.81	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,312.53	1/2	1,924.16	1/2	1,535.79	1/2	1,147.41	1/2	759.43	1/2	371.72	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,304.44	3/4	1,916.07	3/4	1,527.70	3/4	1,139.32	3/4	751.36	3/4	363.64	3/4		3/4	3/4	3/4		3/4	3/4
6	2,296.35	6	1,907.98	6	1,519.60	6	1,131.23	6	743.30	6	355.56	6		6	6	6		6	6
1/4	2,288.26	1/4	1,899.89	1/4	1,511.51	1/4	1,123.14	1/4	735.23	1/4	347.48	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,280.17	1/2	1,891.79	1/2	1,503.42	1/2	1,115.05	1/2	727.16	1/2	339.39	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,272.08	3/4	1,883.70	3/4	1,495.33	3/4	1,106.96	3/4	719.10	3/4	331.31	3/4		3/4	3/4	3/4		3/4	3/4
7	2,263.99	7	1,875.61	7	1,487.24	7	1,098.87	7	711.03	7	323.23	7		7	7	7		7	7
1/4	2,255.89	1/4	1,867.52	1/4	1,479.15	1/4	1,090.78	1/4	702.96	1/4	315.15	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,247.80	1/2	1,859.43	1/2	1,471.06	1/2	1,082.68	1/2	694.90	1/2	307.07	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,239.71	3/4	1,851.34	3/4	1,462.97	3/4	1,074.59	3/4	686.83	3/4	298.98	3/4		3/4	3/4	3/4		3/4	3/4
8	2,231.62	8	1,843.25	8	1,454.88	8	1,066.50	8	678.76	8	290.90	8		8	8	8		8	8
1/4	2,223.53	1/4	1,835.16	1/4	1,446.78	1/4	1,058.41	1/4	670.70	1/4	282.82	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,215.44	1/2	1,827.07	1/2	1,438.69	1/2	1,050.32	1/2	662.63	1/2	274.74	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,207.35	3/4	1,818.97	3/4	1,430.60	3/4	1,042.23	3/4	654.57	3/4	266.65	3/4		3/4	3/4	3/4		3/4	3/4
9	2,199.26	9	1,810.88	9	1,422.51	9	1,034.14	9	646.50	9	258.57	9		9	9	9		9	9
1/4	2,191.17	1/4	1,802.79	1/4	1,414.42	1/4	1,026.05	1/4	638.42	1/4	250.49	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,183.07	1/2	1,794.70	1/2	1,406.33	1/2	1,017.96	1/2	630.35	1/2	242.41	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,174.98	3/4	1,786.61	3/4	1,398.24	3/4	1,009.86	3/4	622.27	3/4	234.32	3/4		3/4	3/4	3/4		3/4	3/4
10	2,166.89	10	1,778.52	10	1,390.15	10	1,001.77	10	614.20	10	226.24	10		10	10	10		10	10
1/4	2,158.80	1/4	1,770.43	1/4	1,382.06	1/4	993.68	1/4	606.11	1/4	218.16	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,150.71	1/2	1,762.34	1/2	1,373.96	1/2	985.59	1/2	598.03	1/2	210.08	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,142.62	3/4	1,754.25	3/4	1,365.87	3/4	977.50	3/4	589.95	3/4	201.99	3/4		3/4	3/4	3/4		3/4	3/4
11	2,134.53	11	1,746.15	11	1,357.78	11	969.41	11	581.87	11	193.91	11		11	11	11		11	11
1/4	2,126.44	1/4	1,738.06	1/4	1,349.69	1/4	961.32	1/4	573.78	1/4	185.83	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,118.35	1/2	1,729.97	1/2	1,341.60	1/2	953.23	1/2	565.70	1/2	177.75	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,110.25	3/4	1,721.88	3/4	1,333.51	3/4	945.14	3/4	557.62	3/4	169.66	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2012 CL - SW
CALCULATED: 06/07/2012 CL
PRINTED: 06/07/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "KIRBY 28147"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							5,091.76		4,754.53		4,399.84		4,028.46		3,642.66		3,254.28		2,865.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,084.83	1/4	4,747.35	1/4	4,392.26	1/4	4,020.55	1/4	3,634.57	1/4	3,246.19	1/4	2,857.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,077.90	1/2	4,740.16	1/2	4,384.67	1/2	4,012.63	1/2	3,626.48	1/2	3,238.10	1/2	2,849.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,070.97	3/4	4,732.98	3/4	4,377.08	3/4	4,004.72	3/4	3,618.39	3/4	3,230.01	3/4	2,841.57
1	1	1	1	1	1	1	5,064.04	1	4,725.80	1	4,369.49	1	3,996.80	1	3,610.30	1	3,221.91	1	2,833.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,057.09	1/4	4,718.59	1/4	4,361.88	1/4	3,988.85	1/4	3,602.21	1/4	3,213.82	1/4	2,825.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,050.14	1/2	4,711.37	1/2	4,354.27	1/2	3,980.90	1/2	3,594.11	1/2	3,205.73	1/2	2,817.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,043.18	3/4	4,704.16	3/4	4,346.66	3/4	3,972.95	3/4	3,586.02	3/4	3,197.64	3/4	2,809.20
2	2	2	2	2	2	2	5,036.23	2	4,696.94	2	4,339.04	2	3,965.00	2	3,577.93	2	3,189.55	2	2,801.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,029.24	1/4	4,689.70	1/4	4,331.41	1/4	3,957.03	1/4	3,569.84	1/4	3,181.46	1/4	2,793.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,022.26	1/2	4,682.47	1/2	4,323.77	1/2	3,949.06	1/2	3,561.75	1/2	3,173.37	1/2	2,784.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,015.27	3/4	4,675.23	3/4	4,316.13	3/4	3,941.09	3/4	3,553.66	3/4	3,165.28	3/4	2,776.83
3	3	3	3	3	3	3	5,008.29	3	4,667.99	3	4,308.49	3	3,933.12	3	3,545.57	3	3,157.18	3	2,768.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,001.35	1/4	4,660.65	1/4	4,300.82	1/4	3,925.12	1/4	3,537.48	1/4	3,149.09	1/4	2,760.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,994.41	1/2	4,653.32	1/2	4,293.16	1/2	3,917.13	1/2	3,529.38	1/2	3,141.00	1/2	2,752.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,987.47	3/4	4,645.98	3/4	4,285.49	3/4	3,909.13	3/4	3,521.29	3/4	3,132.91	3/4	2,744.45
4	4	4	4	4	4	4	4,980.53	4	4,638.65	4	4,277.82	4	3,901.13	4	3,513.20	4	3,124.82	4	2,736.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,973.57	1/4	4,631.28	1/4	4,270.12	1/4	3,893.10	1/4	3,505.11	1/4	3,116.73	1/4	2,728.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,966.60	1/2	4,623.91	1/2	4,262.43	1/2	3,885.07	1/2	3,497.02	1/2	3,108.64	1/2	2,720.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,959.64	3/4	4,616.55	3/4	4,254.74	3/4	3,877.04	3/4	3,488.93	3/4	3,100.55	3/4	2,712.08
5	5	5	5	5	5	5	4,952.67	5	4,609.18	5	4,247.04	5	3,869.01	5	3,480.84	5	3,092.45	5	2,703.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,945.68	1/4	4,601.79	1/4	4,239.31	1/4	3,860.96	1/4	3,472.75	1/4	3,084.36	1/4	2,695.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,938.68	1/2	4,594.40	1/2	4,231.58	1/2	3,852.91	1/2	3,464.65	1/2	3,076.27	1/2	2,687.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,931.69	3/4	4,587.00	3/4	4,223.86	3/4	3,844.85	3/4	3,456.56	3/4	3,068.18	3/4	2,679.70
6	6	6	6	6	6	6	4,924.69	6	4,579.61	6	4,216.13	6	3,836.80	6	3,448.47	6	3,060.09	6	2,671.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,917.67	1/4	4,572.19	1/4	4,208.38	1/4	3,828.72	1/4	3,440.38	1/4	3,052.00	1/4	2,663.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,261.01	1/2	4,910.65	1/2	4,564.76	1/2	4,200.63	1/2	3,820.64	1/2	3,432.29	1/2	3,043.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,254.94	3/4	4,903.63	3/4	4,557.33	3/4	4,192.88	3/4	3,812.57	3/4	3,424.20	3/4	3,035.81
7	7	7	7	7	7	7	4,896.61	7	4,549.91	7	4,185.13	7	3,804.49	7	3,416.11	7	3,027.72	7	2,639.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,248.87	1/4	4,889.55	1/4	4,542.46	1/4	4,177.35	1/4	3,796.40	1/4	3,408.01	1/4	3,019.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,240.78	1/2	4,882.50	1/2	4,535.01	1/2	4,169.57	1/2	3,788.31	1/2	3,399.92	1/2	3,011.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,232.69	3/4	4,875.45	3/4	4,527.56	3/4	4,161.80	3/4	3,780.21	3/4	3,391.83	3/4	3,003.44
8	8	8	8	8	8	8	4,875.45	8	4,527.56	8	4,161.80	8	3,780.21	8	3,391.83	8	3,003.44	8	2,614.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,224.59	1/4	4,868.39	1/4	4,520.11	1/4	4,154.02	1/4	3,772.12	1/4	3,383.74	1/4	2,995.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,216.50	1/2	4,861.32	1/2	4,512.64	1/2	4,146.21	1/2	3,764.03	1/2	3,375.65	1/2	2,987.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,208.41	3/4	4,854.24	3/4	4,505.16	3/4	4,138.40	3/4	3,755.94	3/4	3,367.56	3/4	2,979.16
9	9	9	9	9	9	9	4,847.17	9	4,497.69	9	4,130.59	9	3,747.85	9	3,359.47	9	2,971.07	9	2,582.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,192.22	1/4	4,840.09	1/4	4,490.22	1/4	4,122.78	1/4	3,739.76	1/4	3,351.38	1/4	2,962.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,184.13	1/2	4,832.99	1/2	4,482.71	1/2	4,114.95	1/2	3,731.67	1/2	3,343.28	1/2	2,954.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,176.03	3/4	4,825.89	3/4	4,475.20	3/4	4,107.12	3/4	3,723.58	3/4	3,335.19	3/4	2,946.79
10	10	10	10	10	10	10	4,818.79	10	4,467.70	10	4,099.29	10	3,715.48	10	3,327.10	10	2,938.70	10	2,550.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,167.94	1/4	4,811.69	1/4	4,460.19	1/4	4,091.45	1/4	3,707.39	1/4	3,319.01	1/4	2,930.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,159.85	1/2	4,804.56	1/2	4,452.66	1/2	4,083.60	1/2	3,699.30	1/2	3,310.92	1/2	2,922.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,151.75	3/4	4,797.43	3/4	4,445.13	3/4	4,075.74	3/4	3,691.21	3/4	3,302.83	3/4	2,914.41
11	11	11	11	11	11	11	4,790.29	11	4,437.60	11	4,067.88	11	3,683.12	11	3,294.74	11	2,906.32	11	2,517.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,143.66	1/4	4,783.16	1/4	4,430.07	1/4	4,060.02	1/4	3,675.03	1/4	3,286.65	1/4	2,898.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,135.56	1/2	4,776.00	1/2	4,422.51	1/2	4,052.13	1/2	3,666.94	1/2	3,278.55	1/2	2,890.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,127.47	3/4	4,768.84	3/4	4,414.96	3/4	4,044.24	3/4	3,658.85	3/4	3,270.46	3/4	2,882.04
12	12	12	12	12	12	12	4,761.69	12	4,407.40	12	4,036.35	12	3,650.75	12	3,262.37	12	2,873.95	12	2,485.46

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 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28147"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,477.37	0	2,088.88	0	1,700.39	0	1,311.90	0	924.02	0	550.61	0	162.17	0		0		0	
1/4	2,469.27	1/4	2,080.78	1/4	1,692.30	1/4	1,303.81	1/4	916.24	1/4	542.52	1/4	154.08	1/4	1/4	1/4		1/4	1/4
1/2	2,461.18	1/2	2,072.69	1/2	1,684.20	1/2	1,295.71	1/2	908.46	1/2	534.43	1/2	145.98	1/2	1/2	1/2		1/2	1/2
3/4	2,453.09	3/4	2,064.60	3/4	1,676.11	3/4	1,287.62	3/4	900.67	3/4	526.34	3/4	137.89	3/4	3/4	3/4		3/4	3/4
1	2,444.99	1	2,056.50	1	1,668.02	1	1,279.53	1	892.89	1	518.24	1	129.80	1	1	1		1	1
1/4	2,436.90	1/4	2,048.41	1/4	1,659.92	1/4	1,271.43	1/4	885.12	1/4	510.15	1/4	121.71	1/4	1/4	1/4		1/4	1/4
1/2	2,428.80	1/2	2,040.32	1/2	1,651.83	1/2	1,263.34	1/2	877.35	1/2	502.06	1/2	113.61	1/2	1/2	1/2		1/2	1/2
3/4	2,420.71	3/4	2,032.22	3/4	1,643.74	3/4	1,255.25	3/4	869.58	3/4	493.97	3/4	105.52	3/4	3/4	3/4		3/4	3/4
2	2,412.62	2	2,024.13	2	1,635.64	2	1,247.15	2	861.81	2	485.87	2	97.43	2	2	2		2	2
1/4	2,404.52	1/4	2,016.04	1/4	1,627.55	1/4	1,239.06	1/4	854.05	1/4	477.78	1/4	89.34	1/4	1/4	1/4		1/4	1/4
1/2	2,396.43	1/2	2,007.94	1/2	1,619.45	1/2	1,230.97	1/2	846.29	1/2	469.69	1/2	81.24	1/2	1/2	1/2		1/2	1/2
3/4	2,388.34	3/4	1,999.85	3/4	1,611.36	3/4	1,222.87	3/4	838.53	3/4	461.60	3/4	73.15	3/4	3/4	3/4		3/4	3/4
3	2,380.24	3	1,991.76	3	1,603.27	3	1,214.78	3	830.77	3	453.50	3	65.06	3	3	3		3	3
1/4	2,372.15	1/4	1,983.66	1/4	1,595.17	1/4	1,206.69	1/4	823.01	1/4	445.41	1/4	57.98	1/4	1/4	1/4		1/4	1/4
1/2	2,364.06	1/2	1,975.57	1/2	1,587.08	1/2	1,198.59	1/2	815.25	1/2	437.32	1/2	50.89	1/2	1/2	1/2		1/2	1/2
3/4	2,355.96	3/4	1,967.48	3/4	1,578.99	3/4	1,190.50	3/4	807.50	3/4	429.23	3/4	43.81	3/4	3/4	3/4		3/4	3/4
4	2,347.87	4	1,959.38	4	1,570.89	4	1,182.41	4	799.74	4	421.13	4	36.73	4	4	4		4	4
1/4	2,339.78	1/4	1,951.29	1/4	1,562.80	1/4	1,174.31	1/4	791.98	1/4	413.04	1/4	31.67	1/4	1/4	1/4		1/4	1/4
1/2	2,331.68	1/2	1,943.19	1/2	1,554.71	1/2	1,166.22	1/2	784.22	1/2	404.95	1/2	26.61	1/2	1/2	1/2		1/2	1/2
3/4	2,323.59	3/4	1,935.10	3/4	1,546.61	3/4	1,158.13	3/4	776.46	3/4	396.86	3/4	21.55	3/4	3/4	3/4		3/4	3/4
5	2,315.50	5	1,927.01	5	1,538.52	5	1,150.03	5	768.70	5	388.76	5	16.50	5	5	5		5	5
1/4	2,307.40	1/4	1,918.91	1/4	1,530.43	1/4	1,141.94	1/4	760.94	1/4	380.67	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,299.31	1/2	1,910.82	1/2	1,522.33	1/2	1,133.84	1/2	753.18	1/2	372.58	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,291.22	3/4	1,902.73	3/4	1,514.24	3/4	1,125.75	3/4	745.42	3/4	364.49	3/4		3/4	3/4	3/4		3/4	3/4
6	2,283.12	6	1,894.63	6	1,506.15	6	1,117.66	6	737.66	6	356.39	6		6	6	6		6	6
1/4	2,275.03	1/4	1,886.54	1/4	1,498.05	1/4	1,109.56	1/4	729.90	1/4	348.30	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,266.93	1/2	1,878.45	1/2	1,489.96	1/2	1,101.47	1/2	722.14	1/2	340.21	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,258.84	3/4	1,870.35	3/4	1,481.87	3/4	1,093.38	3/4	714.38	3/4	332.11	3/4		3/4	3/4	3/4		3/4	3/4
7	2,250.75	7	1,862.26	7	1,473.77	7	1,085.28	7	706.62	7	324.02	7		7	7	7		7	7
1/4	2,242.65	1/4	1,854.17	1/4	1,465.68	1/4	1,077.19	1/4	698.87	1/4	315.93	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,234.56	1/2	1,846.07	1/2	1,457.58	1/2	1,069.10	1/2	691.11	1/2	307.84	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,226.47	3/4	1,837.98	3/4	1,449.49	3/4	1,061.00	3/4	683.35	3/4	299.74	3/4		3/4	3/4	3/4		3/4	3/4
8	2,218.37	8	1,829.89	8	1,441.40	8	1,052.91	8	675.60	8	291.65	8		8	8	8		8	8
1/4	2,210.28	1/4	1,821.79	1/4	1,433.30	1/4	1,044.82	1/4	667.84	1/4	283.56	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,202.19	1/2	1,813.70	1/2	1,425.21	1/2	1,036.72	1/2	660.08	1/2	275.47	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,194.09	3/4	1,805.61	3/4	1,417.12	3/4	1,028.63	3/4	652.32	3/4	267.37	3/4		3/4	3/4	3/4		3/4	3/4
9	2,186.00	9	1,797.51	9	1,409.02	9	1,020.54	9	644.57	9	259.28	9		9	9	9		9	9
1/4	2,177.91	1/4	1,789.42	1/4	1,400.93	1/4	1,012.44	1/4	636.80	1/4	251.19	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,169.81	1/2	1,781.32	1/2	1,392.84	1/2	1,004.35	1/2	629.03	1/2	243.10	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,161.72	3/4	1,773.23	3/4	1,384.74	3/4	996.26	3/4	621.27	3/4	235.00	3/4		3/4	3/4	3/4		3/4	3/4
10	2,153.63	10	1,765.14	10	1,376.65	10	988.16	10	613.50	10	226.91	10		10	10	10		10	10
1/4	2,145.53	1/4	1,757.04	1/4	1,368.56	1/4	980.07	1/4	605.72	1/4	218.82	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,137.44	1/2	1,748.95	1/2	1,360.46	1/2	971.97	1/2	597.93	1/2	210.73	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,129.35	3/4	1,740.86	3/4	1,352.37	3/4	963.88	3/4	590.15	3/4	202.63	3/4		3/4	3/4	3/4		3/4	3/4
11	2,121.25	11	1,732.76	11	1,344.28	11	955.79	11	582.37	11	194.54	11		11	11	11		11	11
1/4	2,113.16	1/4	1,724.67	1/4	1,336.18	1/4	947.85	1/4	574.43	1/4	186.45	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,105.06	1/2	1,716.58	1/2	1,328.09	1/2	939.91	1/2	566.49	1/2	178.36	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,096.97	3/4	1,708.48	3/4	1,320.00	3/4	931.96	3/4	558.55	3/4	170.26	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2012 CL - SW
CALCULATED: 06/07/2012 CL
PRINTED: 06/07/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "KIRBY 28147"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,502.01		4,245.57		3,976.26		3,694.49		3,399.55		3,043.04		2,681.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,496.75	1/4	4,240.10	1/4	3,970.51	1/4	3,688.49	1/4	3,392.72	1/4	3,035.50	1/4	2,673.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,491.49	1/2	4,234.63	1/2	3,964.75	1/2	3,682.48	1/2	3,385.88	1/2	3,027.97	1/2	2,666.41		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,486.24	3/4	4,229.17	3/4	3,959.00	3/4	3,676.48	3/4	3,379.05	3/4	3,020.44	3/4	2,658.87		
1	1	1	1	1	1	1	4,480.98	1	4,223.70	1	3,953.24	1	3,670.47	1	3,372.21	1	3,012.91	1	2,651.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,475.71	1/4	4,218.21	1/4	3,947.46	1/4	3,664.44	1/4	3,365.10	1/4	3,005.38	1/4	2,643.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,470.43	1/2	4,212.72	1/2	3,941.69	1/2	3,658.41	1/2	3,357.98	1/2	2,997.84	1/2	2,636.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,465.16	3/4	4,207.23	3/4	3,935.91	3/4	3,652.38	3/4	3,350.87	3/4	2,990.31	3/4	2,628.74		
2	2	2	2	2	2	2	4,459.88	2	4,201.74	2	3,930.14	2	3,646.35	2	3,343.75	2	2,982.78	2	2,621.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,454.58	1/4	4,196.23	1/4	3,924.34	1/4	3,640.30	1/4	3,336.36	1/4	2,975.25	1/4	2,613.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,449.28	1/2	4,190.72	1/2	3,918.55	1/2	3,634.25	1/2	3,328.97	1/2	2,967.72	1/2	2,606.14		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,443.98	3/4	4,185.21	3/4	3,912.75	3/4	3,628.20	3/4	3,321.58	3/4	2,960.18	3/4	2,598.61		
3	3	3	3	3	3	3	4,438.68	3	4,179.71	3	3,906.96	3	3,622.16	3	3,314.19	3	2,952.65	3	2,591.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,433.40	1/4	4,174.14	1/4	3,901.14	1/4	3,616.09	1/4	3,306.66	1/4	2,945.12	1/4	2,583.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,428.12	1/2	4,168.57	1/2	3,895.32	1/2	3,610.02	1/2	3,299.12	1/2	2,937.59	1/2	2,576.01		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,422.84	3/4	4,163.01	3/4	3,889.50	3/4	3,603.96	3/4	3,291.59	3/4	2,930.06	3/4	2,568.47		
4	4	4	4	4	4	4	4,417.56	4	4,157.44	4	3,883.68	4	3,597.89	4	3,284.06	4	2,922.52	4	2,560.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,412.26	1/4	4,151.85	1/4	3,877.85	1/4	3,591.80	1/4	3,276.53	1/4	2,914.99	1/4	2,553.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,406.96	1/2	4,146.27	1/2	3,872.01	1/2	3,585.70	1/2	3,269.00	1/2	2,907.46	1/2	2,545.87		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,401.66	3/4	4,140.68	3/4	3,866.17	3/4	3,579.61	3/4	3,261.46	3/4	2,899.93	3/4	2,538.34		
5	5	5	5	5	5	5	4,396.36	5	4,135.09	5	3,860.33	5	3,573.52	5	3,253.93	5	2,892.40	5	2,530.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,391.04	1/4	4,129.48	1/4	3,854.47	1/4	3,567.41	1/4	3,246.40	1/4	2,884.86	1/4	2,523.27		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,385.71	1/2	4,123.87	1/2	3,848.61	1/2	3,561.30	1/2	3,238.87	1/2	2,877.33	1/2	2,515.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,380.39	3/4	4,118.26	3/4	3,842.74	3/4	3,555.19	3/4	3,231.34	3/4	2,869.80	3/4	2,508.21		
6	6	6	6	6	6	6	4,375.07	6	4,112.65	6	3,836.88	6	3,549.08	6	3,223.80	6	2,862.27	6	2,500.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,369.72	1/4	4,107.02	1/4	3,831.00	1/4	3,542.95	1/4	3,216.27	1/4	2,854.74	1/4	2,493.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,630.42	1/2	4,364.38	1/2	4,101.39	1/2	3,825.12	1/2	3,536.82	1/2	3,208.74	1/2	2,847.20	1/2	2,485.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,625.81	3/4	4,359.04	3/4	4,095.75	3/4	3,819.24	3/4	3,530.69	3/4	3,201.21	3/4	2,839.67	3/4	2,478.07
7	7	7	7	7	7	7	4,621.20	7	4,353.69	7	4,090.12	7	3,813.36	7	3,524.56	7	3,193.68	7	2,832.14	7	2,470.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,615.06	1/4	4,348.33	1/4	4,084.47	1/4	3,807.46	1/4	3,518.42	1/4	3,186.14	1/4	2,824.61	1/4	2,463.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,608.92	1/2	4,342.96	1/2	4,078.81	1/2	3,801.56	1/2	3,512.28	1/2	3,178.61	1/2	2,817.07	1/2	2,455.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,602.78	3/4	4,337.59	3/4	4,073.16	3/4	3,795.66	3/4	3,506.14	3/4	3,171.08	3/4	2,809.54	3/4	2,447.94
8	8	8	8	8	8	8	4,596.64	8	4,332.22	8	4,067.51	8	3,789.76	8	3,500.00	8	3,163.55	8	2,802.01	8	2,440.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,590.50	1/4	4,326.84	1/4	4,061.84	1/4	3,783.83	1/4	3,493.87	1/4	3,156.02	1/4	2,794.47	1/4	2,432.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,584.36	1/2	4,321.45	1/2	4,056.17	1/2	3,777.91	1/2	3,487.73	1/2	3,148.48	1/2	2,786.94	1/2	2,425.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,578.22	3/4	4,316.07	3/4	4,050.50	3/4	3,771.98	3/4	3,481.59	3/4	3,140.95	3/4	2,779.41	3/4	2,417.81
9	9	9	9	9	9	9	4,572.08	9	4,310.68	9	4,044.83	9	3,766.06	9	3,475.45	9	3,133.42	9	2,771.87	9	2,410.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,565.94	1/4	4,305.28	1/4	4,039.14	1/4	3,760.11	1/4	3,469.31	1/4	3,125.89	1/4	2,764.34	1/4	2,402.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,559.80	1/2	4,299.88	1/2	4,033.44	1/2	3,754.17	1/2	3,463.17	1/2	3,118.36	1/2	2,756.81	1/2	2,395.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,553.66	3/4	4,294.47	3/4	4,027.74	3/4	3,748.23	3/4	3,457.03	3/4	3,110.82	3/4	2,749.27	3/4	2,387.67
10	10	10	10	10	10	10	4,547.52	10	4,289.07	10	4,022.05	10	3,742.29	10	3,450.89	10	3,103.29	10	2,741.74	10	2,380.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,541.38	1/4	4,283.64	1/4	4,016.34	1/4	3,736.32	1/4	3,444.61	1/4	3,095.76	1/4	2,734.21	1/4	2,372.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,535.24	1/2	4,278.21	1/2	4,010.62	1/2	3,730.36	1/2	3,438.34	1/2	3,088.23	1/2	2,726.67	1/2	2,365.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,529.10	3/4	4,272.78	3/4	4,004.91	3/4	3,724.40	3/4	3,432.06	3/4	3,080.70	3/4	2,719.14	3/4	2,357.54
11	11	11	11	11	11	11	4,522.96	11	4,267.35	11	3,999.20	11	3,718.44	11	3,425.78	11	3,073.16	11	2,711.61	11	2,350.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,517.72	1/4	4,261.91	1/4	3,993.46	1/4	3,712.45	1/4	3,419.22	1/4	3,065.63	1/4	2,704.07	1/4	2,342.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,512.48	1/2	4,256.46	1/2	3,987.73	1/2	3,706.47	1/2	3,412.67	1/2	3,058.10	1/2	2,696.54	1/2	2,334.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,507.24	3/4	4,251.01	3/4	3,982.00	3/4	3,700.48	3/4	3,406.11	3/4	3,050.57	3/4	2,689.01	3/4	2,327.41

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 41'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28147"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,319.87		1,958.28		1,596.68		1,235.08		874.27		512.69		151.11								
1/4	2,312.34	1/4	1,950.74	1/4	1,589.14	1/4	1,227.55	1/4	866.74	1/4	505.16	1/4	143.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,304.81	1/2	1,943.21	1/2	1,581.61	1/2	1,220.01	1/2	859.21	1/2	497.62	1/2	136.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,297.27	3/4	1,935.68	3/4	1,574.08	3/4	1,212.48	3/4	851.68	3/4	490.09	3/4	128.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,289.74	1	1,928.14	1	1,566.54	1	1,204.95	1	844.14	1	482.56	1	120.97	1	1	1	1	1	1	1	1
1/4	2,282.21	1/4	1,920.61	1/4	1,559.01	1/4	1,197.41	1/4	836.61	1/4	475.03	1/4	113.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,274.68	1/2	1,913.08	1/2	1,551.48	1/2	1,189.88	1/2	829.08	1/2	467.49	1/2	105.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,267.14	3/4	1,905.54	3/4	1,543.94	3/4	1,182.35	3/4	821.54	3/4	459.96	3/4	98.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,259.61	2	1,898.01	2	1,536.41	2	1,174.81	2	814.01	2	452.43	2	90.84	2	2	2	2	2	2	2	2
1/4	2,252.08	1/4	1,890.48	1/4	1,528.88	1/4	1,167.28	1/4	806.48	1/4	444.89	1/4	83.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,244.54	1/2	1,882.94	1/2	1,521.35	1/2	1,159.75	1/2	798.94	1/2	437.36	1/2	75.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,237.01	3/4	1,875.41	3/4	1,513.81	3/4	1,152.21	3/4	791.41	3/4	429.83	3/4	68.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,229.48	3	1,867.88	3	1,506.28	3	1,144.68	3	783.88	3	422.29	3	60.71	3	3	3	3	3	3	3	3
1/4	2,221.94	1/4	1,860.34	1/4	1,498.75	1/4	1,137.15	1/4	776.35	1/4	414.76	1/4	54.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,214.41	1/2	1,852.81	1/2	1,491.21	1/2	1,129.61	1/2	768.81	1/2	407.23	1/2	47.53	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,206.88	3/4	1,845.28	3/4	1,483.68	3/4	1,122.08	3/4	761.28	3/4	399.70	3/4	40.93	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,199.34	4	1,837.74	4	1,476.15	4	1,114.55	4	753.75	4	392.16	4	34.34	4	4	4	4	4	4	4	4
1/4	2,191.81	1/4	1,830.21	1/4	1,468.61	1/4	1,107.04	1/4	746.21	1/4	384.63	1/4	29.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,184.28	1/2	1,822.68	1/2	1,461.08	1/2	1,099.53	1/2	738.68	1/2	377.10	1/2	24.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,176.74	3/4	1,815.14	3/4	1,453.55	3/4	1,092.02	3/4	731.15	3/4	369.56	3/4	20.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,169.21	5	1,807.61	5	1,446.01	5	1,084.51	5	723.61	5	362.03	5	15.51	5	5	5	5	5	5	5	5
1/4	2,161.68	1/4	1,800.08	1/4	1,438.48	1/4	1,077.00	1/4	716.08	1/4	354.50	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,154.14	1/2	1,792.54	1/2	1,430.95	1/2	1,069.50	1/2	708.55	1/2	346.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,146.61	3/4	1,785.01	3/4	1,423.41	3/4	1,061.99	3/4	701.02	3/4	339.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	2,139.08	6	1,777.48	6	1,415.88	6	1,054.48	6	693.48	6	331.90	6		6	6	6	6	6	6	6	6
1/4	2,131.54	1/4	1,769.94	1/4	1,408.35	1/4	1,046.97	1/4	685.95	1/4	324.37	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,124.01	1/2	1,762.41	1/2	1,400.81	1/2	1,039.46	1/2	678.42	1/2	316.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,116.48	3/4	1,754.88	3/4	1,393.28	3/4	1,031.95	3/4	670.88	3/4	309.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	2,108.94	7	1,747.34	7	1,385.75	7	1,024.44	7	663.35	7	301.77	7		7	7	7	7	7	7	7	7
1/4	2,101.41	1/4	1,739.81	1/4	1,378.21	1/4	1,016.94	1/4	655.82	1/4	294.23	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,093.88	1/2	1,732.28	1/2	1,370.68	1/2	1,009.43	1/2	648.28	1/2	286.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,086.34	3/4	1,724.74	3/4	1,363.15	3/4	1,001.92	3/4	640.75	3/4	279.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	2,078.81	8	1,717.21	8	1,355.61	8	994.41	8	633.22	8	271.63	8		8	8	8	8	8	8	8	8
1/4	2,071.28	1/4	1,709.68	1/4	1,348.08	1/4	986.90	1/4	625.69	1/4	264.10	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,063.74	1/2	1,702.14	1/2	1,340.55	1/2	979.39	1/2	618.15	1/2	256.57	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,056.21	3/4	1,694.61	3/4	1,333.01	3/4	971.89	3/4	610.62	3/4	249.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	2,048.68	9	1,687.08	9	1,325.48	9	964.38	9	603.09	9	241.50	9		9	9	9	9	9	9	9	9
1/4	2,041.14	1/4	1,679.54	1/4	1,317.95	1/4	956.87	1/4	595.55	1/4	233.97	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,033.61	1/2	1,672.01	1/2	1,310.41	1/2	949.36	1/2	588.02	1/2	226.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,026.08	3/4	1,664.48	3/4	1,302.88	3/4	941.85	3/4	580.49	3/4	218.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	2,018.54	10	1,656.94	10	1,295.35	10	934.34	10	572.95	10	211.37	10		10	10	10	10	10	10	10	10
1/4	2,011.01	1/4	1,649.41	1/4	1,287.81	1/4	926.83	1/4	565.42	1/4	203.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,003.48	1/2	1,641.88	1/2	1,280.28	1/2	919.33	1/2	557.89	1/2	196.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,995.94	3/4	1,634.34	3/4	1,272.75	3/4	911.82	3/4	550.36	3/4	188.77	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,988.41	11	1,626.81	11	1,265.21	11	904.31	11	542.82	11	181.24	11		11	11	11	11	11	11	11	11
1/4	1,980.88	1/4	1,619.28	1/4	1,257.68	1/4	896.80	1/4	535.29	1/4	173.71	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,973.34	1/2	1,611.74	1/2	1,250.15	1/2	889.29	1/2	527.76	1/2	166.17	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,965.81	3/4	1,604.21	3/4	1,242.61	3/4	881.78	3/4	520.22	3/4	158.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28147"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,480.65		4,224.14		3,954.75		3,672.90		3,377.87		3,021.76		2,660.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,475.39	1/4	4,218.67	1/4	3,949.00	1/4	3,666.89	1/4	3,371.03	1/4	3,014.24	1/4	2,653.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,470.14	1/2	4,213.20	1/2	3,943.24	1/2	3,660.89	1/2	3,364.20	1/2	3,006.72	1/2	2,645.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,464.88	3/4	4,207.73	3/4	3,937.48	3/4	3,654.88	3/4	3,357.36	3/4	2,999.20	3/4	2,638.20		
1	1	1	1	1	1	1	4,459.62	1	4,202.26	1	3,931.72	1	3,648.87	1	3,350.52	1	2,991.68	1	2,630.68		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,454.34	1/4	4,196.77	1/4	3,925.94	1/4	3,642.84	1/4	3,343.40	1/4	2,984.16	1/4	2,623.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,449.07	1/2	4,191.28	1/2	3,920.17	1/2	3,636.81	1/2	3,336.29	1/2	2,976.64	1/2	2,615.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,443.79	3/4	4,185.79	3/4	3,914.39	3/4	3,630.77	3/4	3,329.17	3/4	2,969.12	3/4	2,608.12		
2	2	2	2	2	2	2	4,438.51	2	4,180.30	2	3,908.61	2	3,624.74	2	3,322.06	2	2,961.60	2	2,600.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,433.21	1/4	4,174.79	1/4	3,902.81	1/4	3,618.69	1/4	3,314.66	1/4	2,954.08	1/4	2,593.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,427.91	1/2	4,169.28	1/2	3,897.02	1/2	3,612.64	1/2	3,307.27	1/2	2,946.56	1/2	2,585.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,422.61	3/4	4,163.77	3/4	3,891.22	3/4	3,606.59	3/4	3,299.88	3/4	2,939.04	3/4	2,578.03		
3	3	3	3	3	3	3	4,417.31	3	4,158.25	3	3,885.43	3	3,600.54	3	3,292.49	3	2,931.52	3	2,570.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,412.03	1/4	4,152.69	1/4	3,879.61	1/4	3,594.47	1/4	3,284.96	1/4	2,924.00	1/4	2,562.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,406.75	1/2	4,147.12	1/2	3,873.79	1/2	3,588.40	1/2	3,277.44	1/2	2,916.48	1/2	2,555.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,401.46	3/4	4,141.55	3/4	3,867.97	3/4	3,582.33	3/4	3,269.92	3/4	2,908.95	3/4	2,547.95		
4	4	4	4	4	4	4	4,396.18	4	4,135.99	4	3,862.15	4	3,576.27	4	3,262.40	4	2,901.43	4	2,540.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,390.88	1/4	4,130.40	1/4	3,856.31	1/4	3,570.17	1/4	3,254.88	1/4	2,893.91	1/4	2,532.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,385.58	1/2	4,124.81	1/2	3,850.47	1/2	3,564.08	1/2	3,247.36	1/2	2,886.39	1/2	2,525.38		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,380.28	3/4	4,119.21	3/4	3,844.63	3/4	3,557.98	3/4	3,239.84	3/4	2,878.87	3/4	2,517.86		
5	5	5	5	5	5	5	4,374.97	5	4,113.62	5	3,838.79	5	3,551.89	5	3,232.32	5	2,871.35	5	2,510.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,369.65	1/4	4,108.01	1/4	3,832.92	1/4	3,545.77	1/4	3,224.80	1/4	2,863.83	1/4	2,502.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,364.32	1/2	4,102.40	1/2	3,827.06	1/2	3,539.66	1/2	3,217.28	1/2	2,856.31	1/2	2,495.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,359.00	3/4	4,096.79	3/4	3,821.19	3/4	3,533.55	3/4	3,209.76	3/4	2,848.79	3/4	2,487.78		
6	6	6	6	6	6	6	4,353.67	6	4,091.18	6	3,815.33	6	3,527.44	6	3,202.24	6	2,841.27	6	2,480.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,348.33	1/4	4,085.55	1/4	3,809.44	1/4	3,521.31	1/4	3,194.72	1/4	2,833.75	1/4	2,472.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,609.10	1/2	4,342.98	1/2	4,079.91	1/2	3,803.56	1/2	3,515.18	1/2	3,187.20	1/2	2,826.23	1/2	2,465.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,604.49	3/4	4,337.64	3/4	4,074.28	3/4	3,797.68	3/4	3,509.05	3/4	3,179.68	3/4	2,818.71	3/4	2,457.70
7	7	7	7	7	7	7	4,599.88	7	4,332.30	7	4,068.64	7	3,791.80	7	3,502.91	7	3,172.16	7	2,811.19	7	2,450.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,593.74	1/4	4,326.93	1/4	4,062.99	1/4	3,785.90	1/4	3,496.77	1/4	3,164.64	1/4	2,803.67	1/4	2,442.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,587.60	1/2	4,321.56	1/2	4,057.33	1/2	3,779.99	1/2	3,490.63	1/2	3,157.12	1/2	2,796.15	1/2	2,435.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,581.45	3/4	4,316.19	3/4	4,051.68	3/4	3,774.09	3/4	3,484.49	3/4	3,149.60	3/4	2,788.63	3/4	2,427.63
8	8	8	8	8	8	8	4,575.31	8	4,310.82	8	4,046.03	8	3,768.19	8	3,478.35	8	3,142.08	8	2,781.11	8	2,420.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,569.17	1/4	4,305.43	1/4	4,040.36	1/4	3,762.26	1/4	3,472.21	1/4	3,134.56	1/4	2,773.59	1/4	2,412.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,563.03	1/2	4,300.05	1/2	4,034.68	1/2	3,756.34	1/2	3,466.07	1/2	3,127.04	1/2	2,766.06	1/2	2,405.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,556.89	3/4	4,294.66	3/4	4,029.01	3/4	3,750.41	3/4	3,459.93	3/4	3,119.52	3/4	2,758.54	3/4	2,397.56
9	9	9	9	9	9	9	4,550.74	9	4,289.27	9	4,023.34	9	3,744.48	9	3,453.79	9	3,112.00	9	2,751.02	9	2,390.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,544.60	1/4	4,283.87	1/4	4,017.64	1/4	3,738.54	1/4	3,447.65	1/4	3,104.48	1/4	2,743.50	1/4	2,382.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,538.46	1/2	4,278.46	1/2	4,011.95	1/2	3,732.59	1/2	3,441.51	1/2	3,096.96	1/2	2,735.98	1/2	2,375.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,532.32	3/4	4,273.06	3/4	4,006.25	3/4	3,726.65	3/4	3,435.37	3/4	3,089.44	3/4	2,728.46	3/4	2,367.49
10	10	10	10	10	10	10	4,526.18	10	4,267.65	10	4,000.55	10	3,720.71	10	3,429.23	10	3,081.92	10	2,720.94	10	2,359.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,520.03	1/4	4,262.22	1/4	3,994.84	1/4	3,714.74	1/4	3,422.95	1/4	3,074.40	1/4	2,713.42	1/4	2,352.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,513.89	1/2	4,256.79	1/2	3,989.12	1/2	3,708.78	1/2	3,416.67	1/2	3,066.88	1/2	2,705.89	1/2	2,344.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,507.75	3/4	4,251.36	3/4	3,983.41	3/4	3,702.81	3/4	3,410.39	3/4	3,059.36	3/4	2,698.37	3/4	2,337.42
11	11	11	11	11	11	11	4,501.61	11	4,245.93	11	3,977.69	11	3,696.85	11	3,404.11	11	3,051.84	11	2,690.85	11	2,329.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,496.37	1/4	4,240.48	1/4	3,971.96	1/4	3,690.86	1/4	3,397.55	1/4	3,044.32	1/4	2,683.33	1/4	2,322.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,491.13	1/2	4,235.03	1/2	3,966.22	1/2	3,684.88	1/2	3,390.99	1/2	3,036.80	1/2	2,675.81	1/2	2,314.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,485.89	3/4	4,229.58	3/4	3,960.49	3/4	3,678.89	3/4	3,384.43	3/4	3,029.28	3/4	2,668.29	3/4	2,307.35

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 41'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28147"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,299.83	0	1,940.08	0	1,580.86	0	1,219.79	0	865.50	0	512.08	0	151.14	0		0		0	
1/4	2,292.31	1/4	1,932.62	1/4	1,573.33	1/4	1,212.40	1/4	858.12	1/4	504.62	1/4	143.61	1/4	1/4	1/4		1/4	
1/2	2,284.78	1/2	1,925.17	1/2	1,565.81	1/2	1,205.02	1/2	850.73	1/2	497.17	1/2	136.07	1/2	1/2	1/2		1/2	
3/4	2,277.26	3/4	1,917.71	3/4	1,558.29	3/4	1,197.63	3/4	843.35	3/4	489.71	3/4	128.54	3/4	3/4	3/4		3/4	
1	2,269.74	1	1,910.25	1	1,550.77	1	1,190.25	1	835.96	1	482.26	1	121.00	1	1	1		1	
1/4	2,262.22	1/4	1,902.80	1/4	1,543.24	1/4	1,182.86	1/4	828.58	1/4	474.74	1/4	113.47	1/4	1/4	1/4		1/4	
1/2	2,254.69	1/2	1,895.34	1/2	1,535.72	1/2	1,175.48	1/2	821.20	1/2	467.21	1/2	105.93	1/2	1/2	1/2		1/2	
3/4	2,247.17	3/4	1,887.88	3/4	1,528.20	3/4	1,168.09	3/4	813.82	3/4	459.69	3/4	98.40	3/4	3/4	3/4		3/4	
2	2,239.65	2	1,880.43	2	1,520.68	2	1,160.70	2	806.44	2	452.17	2	90.86	2	2	2		2	
1/4	2,232.13	1/4	1,872.97	1/4	1,513.16	1/4	1,153.32	1/4	799.07	1/4	444.64	1/4	83.33	1/4	1/4	1/4		1/4	
1/2	2,224.61	1/2	1,865.51	1/2	1,505.63	1/2	1,145.93	1/2	791.71	1/2	437.12	1/2	75.79	1/2	1/2	1/2		1/2	
3/4	2,217.08	3/4	1,858.06	3/4	1,498.11	3/4	1,138.55	3/4	784.34	3/4	429.60	3/4	68.26	3/4	3/4	3/4		3/4	
3	2,209.56	3	1,850.60	3	1,490.59	3	1,131.16	3	776.98	3	422.07	3	60.72	3	3	3		3	
1/4	2,202.04	1/4	1,843.15	1/4	1,483.07	1/4	1,123.78	1/4	769.62	1/4	414.55	1/4	54.13	1/4	1/4	1/4		1/4	
1/2	2,194.52	1/2	1,835.69	1/2	1,475.54	1/2	1,116.39	1/2	762.27	1/2	407.03	1/2	47.54	1/2	1/2	1/2		1/2	
3/4	2,186.99	3/4	1,828.23	3/4	1,468.02	3/4	1,109.01	3/4	754.92	3/4	399.50	3/4	40.94	3/4	3/4	3/4		3/4	
4	2,179.47	4	1,820.78	4	1,460.50	4	1,101.62	4	747.57	4	391.98	4	34.35	4	4	4		4	
1/4	2,171.95	1/4	1,813.32	1/4	1,452.98	1/4	1,094.24	1/4	740.21	1/4	384.46	1/4	29.64	1/4	1/4	1/4		1/4	
1/2	2,164.43	1/2	1,805.86	1/2	1,445.46	1/2	1,086.86	1/2	732.86	1/2	376.93	1/2	24.93	1/2	1/2	1/2		1/2	
3/4	2,156.91	3/4	1,798.41	3/4	1,437.93	3/4	1,079.48	3/4	725.51	3/4	369.41	3/4	20.22	3/4	3/4	3/4		3/4	
5	2,149.38	5	1,790.95	5	1,430.41	5	1,072.11	5	718.16	5	361.89	5	15.51	5	5	5		5	
1/4	2,141.86	1/4	1,783.49	1/4	1,422.89	1/4	1,064.73	1/4	710.80	1/4	354.36	1/4		1/4	1/4	1/4		1/4	
1/2	2,134.34	1/2	1,776.04	1/2	1,415.37	1/2	1,057.35	1/2	703.45	1/2	346.84	1/2		1/2	1/2	1/2		1/2	
3/4	2,126.82	3/4	1,768.58	3/4	1,407.84	3/4	1,049.97	3/4	696.10	3/4	339.32	3/4		3/4	3/4	3/4		3/4	
6	2,119.30	6	1,761.12	6	1,400.32	6	1,042.59	6	688.74	6	331.79	6		6	6	6		6	
1/4	2,111.77	1/4	1,753.67	1/4	1,392.80	1/4	1,035.21	1/4	681.39	1/4	324.27	1/4		1/4	1/4	1/4		1/4	
1/2	2,104.25	1/2	1,746.21	1/2	1,385.28	1/2	1,027.83	1/2	674.03	1/2	316.75	1/2		1/2	1/2	1/2		1/2	
3/4	2,096.73	3/4	1,738.76	3/4	1,377.76	3/4	1,020.46	3/4	666.68	3/4	309.23	3/4		3/4	3/4	3/4		3/4	
7	2,089.21	7	1,731.30	7	1,370.23	7	1,013.08	7	659.33	7	301.70	7		7	7	7		7	
1/4	2,081.75	1/4	1,723.78	1/4	1,362.71	1/4	1,005.70	1/4	651.97	1/4	294.18	1/4		1/4	1/4	1/4		1/4	
1/2	2,074.29	1/2	1,716.25	1/2	1,355.19	1/2	998.32	1/2	644.62	1/2	286.66	1/2		1/2	1/2	1/2		1/2	
3/4	2,066.84	3/4	1,708.73	3/4	1,347.67	3/4	990.94	3/4	637.26	3/4	279.13	3/4		3/4	3/4	3/4		3/4	
8	2,059.38	8	1,701.21	8	1,340.14	8	983.56	8	629.91	8	271.61	8		8	8	8		8	
1/4	2,051.92	1/4	1,693.69	1/4	1,332.62	1/4	976.18	1/4	622.56	1/4	264.09	1/4		1/4	1/4	1/4		1/4	
1/2	2,044.47	1/2	1,686.17	1/2	1,325.10	1/2	968.81	1/2	615.20	1/2	256.56	1/2		1/2	1/2	1/2		1/2	
3/4	2,037.01	3/4	1,678.64	3/4	1,317.58	3/4	961.43	3/4	607.85	3/4	249.04	3/4		3/4	3/4	3/4		3/4	
9	2,029.56	9	1,671.12	9	1,310.06	9	954.05	9	600.50	9	241.52	9		9	9	9		9	
1/4	2,022.10	1/4	1,663.60	1/4	1,302.53	1/4	946.67	1/4	593.14	1/4	233.99	1/4		1/4	1/4	1/4		1/4	
1/2	2,014.64	1/2	1,656.08	1/2	1,295.01	1/2	939.29	1/2	585.79	1/2	226.47	1/2		1/2	1/2	1/2		1/2	
3/4	2,007.19	3/4	1,648.55	3/4	1,287.49	3/4	931.91	3/4	578.43	3/4	218.95	3/4		3/4	3/4	3/4		3/4	
10	1,999.73	10	1,641.03	10	1,279.97	10	924.53	10	571.08	10	211.42	10		10	10	10		10	
1/4	1,992.27	1/4	1,633.51	1/4	1,272.44	1/4	917.15	1/4	563.71	1/4	203.89	1/4		1/4	1/4	1/4		1/4	
1/2	1,984.82	1/2	1,625.99	1/2	1,264.92	1/2	909.78	1/2	556.35	1/2	196.35	1/2		1/2	1/2	1/2		1/2	
3/4	1,977.36	3/4	1,618.47	3/4	1,257.40	3/4	902.40	3/4	548.98	3/4	188.82	3/4		3/4	3/4	3/4		3/4	
11	1,969.90	11	1,610.94	11	1,249.88	11	895.02	11	541.61	11	181.28	11		11	11	11		11	
1/4	1,962.45	1/4	1,603.42	1/4	1,242.36	1/4	887.64	1/4	534.23	1/4	173.75	1/4		1/4	1/4	1/4		1/4	
1/2	1,954.99	1/2	1,595.90	1/2	1,234.83	1/2	880.26	1/2	526.85	1/2	166.21	1/2		1/2	1/2	1/2		1/2	
3/4	1,947.53	3/4	1,588.38	3/4	1,227.31	3/4	872.88	3/4	519.46	3/4	158.68	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2012 CL - SW
CALCULATED: 06/07/2012 CL
PRINTED: 06/07/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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