BARGE "KIRBY 28085"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-7/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

LENGTH BETWEEN DRAFT MARKS: 241'-03"

September 22, 2006

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net

BARGE "KIRBY 28085"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,512.75	0	4,180.57	0	3,824.64	0	3,458.72	0	3,092.78	0	2,726.85
1/4		1/4		1/4		1/4	4,831.15	1/4	4,506.07	1/4	4,173.36	1/4	3,817.02	1/4	3,451.09	1/4	3,085.16	1/4	2,719.23
1/2		1/2		1/2		1/2	4,825.52	1/2	4,499.38	1/2	4,166.15	1/2	3,809.40	1/2	3,443.47	1/2	3,077.54	1/2	2,711.60
3/4		3/4		3/4		3/4	4,819.89	3/4	4,492.70	3/4	4,158.95	3/4	3,801.78	3/4	3,435.84	3/4	3,069.91	3/4	2,703.98
1		1		1		1	4,813.06	1	4,485.99	1	4,151.70	1	3,794.15	1	3,428.22	1	3,062.29	1	2,696.36
1/4		1/4		1/4		1/4	4,806.24	1/4	4,479.27	1/4	4,144.46	1/4	3,786.53	1/4	3,420.60	1/4	3,054.66	1/4	2,688.73
1/2		1/2		1/2		1/2	4,799.42	1/2	4,472.56	1/2	4,137.21	1/2	3,778.91	1/2	3,412.97	1/2	3,047.04	1/2	2,681.11
3/4		3/4		3/4		3/4	4,792.59	3/4	4,465.84	3/4	4,129.97	3/4	3,771.28	3/4	3,405.35	3/4	3,039.42	3/4	2,673.48
2		2		2		2	4,785.13	2	4,459.09	2	4,122.68	2	3,763.66	2	3,397.73	2	3,031.79	2	2,665.86
1/4		1/4		1/4		1/4	4,777.67	1/4	4,452.34	1/4	4,115.40	1/4	3,756.04	1/4	3,390.10	1/4	3,024.17	1/4	2,658.24
1/2		1/2		1/2		1/2	4,770.21	1/2	4,445.59	1/2	4,108.12	1/2	3,748.41	1/2	3,382.48	1/2	3,016.55	1/2	2,650.61
3/4		3/4		3/4		3/4	4,762.75	3/4	4,438.84	3/4	4,100.84	3/4	3,740.79	3/4	3,374.86	3/4	3,008.92	3/4	2,642.99
3		3		3		3	4,755.22	3	4,432.06	3	4,093.52	3	3,733.17	3	3,367.23	3	3,001.30	3	2,635.37
1/4		1/4		1/4		1/4	4,747.68	1/4	4,425.27	1/4	4,086.20	1/4	3,725.54	1/4	3,359.61	1/4	2,993.68	1/4	2,627.74
1/2		1/2		1/2		1/2	4,740.14	1/2	4,418.48	1/2	4,078.88	1/2	3,717.92	1/2	3,351.99	1/2	2,986.05	1/2	2,620.12
3/4		3/4		3/4		3/4	4,732.60	3/4	4,411.70	3/4	4,071.56	3/4	3,710.29	3/4	3,344.36	3/4	2,978.43	3/4	2,612.50
4		4		4		4	4,725.34	4	4,404.87	4	4,064.21	4	3,702.67	4	3,336.74	4	2,970.81	4	2,604.87
1/4		1/4		1/4		1/4	4,718.08	1/4	4,398.05	1/4	4,056.86	1/4	3,695.05	1/4	3,329.11	1/4	2,963.18	1/4	2,597.25
1/2		1/2		1/2		1/2	4,710.82	1/2	4,391.22	1/2	4,049.51	1/2	3,687.42	1/2	3,321.49	1/2	2,955.56	1/2	2,589.63
3/4		3/4		3/4		3/4	4,703.56	3/4	4,384.40	3/4	4,042.16	3/4	3,679.80	3/4	3,313.87	3/4	2,947.93	3/4	2,582.00
5		5		5		5	4,696.85	5	4,377.54	5	4,034.78	5	3,672.18	5	3,306.24	5	2,940.31	5	2,574.38
1/4		1/4		1/4		1/4	4,690.14	1/4	4,370.67	1/4	4,027.39	1/4	3,664.55	1/4	3,298.62	1/4	2,932.69	1/4	2,566.75
1/2		1/2		1/2		1/2	4,683.42	1/2	4,363.81	1/2	4,020.01	1/2	3,656.93	1/2	3,291.00	1/2	2,925.06	1/2	2,559.13
3/4		3/4		3/4		3/4	4,676.71	3/4	4,356.95	3/4	4,012.62	3/4	3,649.31	3/4	3,283.37	3/4	2,917.44	3/4	2,551.51
6		6		6		6	4,670.25	6	4,350.05	6	4,005.20	6	3,641.68	6	3,275.75	6	2,909.82	6	2,543.88
1/4		1/4		1/4		1/4	4,663.79	1/4	4,343.15	1/4	3,997.78	1/4	3,634.06	1/4	3,268.13	1/4	2,902.19	1/4	2,536.26
1/2		1/2		1/2		1/2	4,657.33	1/2	4,336.25	1/2	3,990.35	1/2	3,626.43	1/2	3,260.50	1/2	2,894.57	1/2	2,528.64
3/4		3/4		3/4		3/4	4,650.87	3/4	4,329.35	3/4	3,982.93	3/4	3,618.81	3/4	3,252.88	3/4	2,886.95	3/4	2,521.01
7		7		7		7	4,644.38	7	4,322.40	7	3,975.47	7	3,611.19	7	3,245.25	7	2,879.32	7	2,513.39
1/4		1/4		1/4		1/4	4,637.88	1/4	4,315.44	1/4	3,968.01	1/4	3,603.56	1/4	3,237.63	1/4	2,871.70	1/4	2,505.77
1/2		1/2		1/2		1/2	4,631.38	1/2	4,308.48	1/2	3,960.55	1/2	3,595.94	1/2	3,230.01	1/2	2,864.07	1/2	2,498.14
3/4		3/4		3/4		3/4	4,624.88	3/4	4,301.52	3/4	3,953.09	3/4	3,588.32	3/4	3,222.38	3/4	2,856.45	3/4	2,490.52
8		8		8		8	4,618.35	8	4,294.49	8	3,945.59	8	3,580.69	8	3,214.76	8	2,848.83	8	2,482.89
1/4		1/4		1/4		1/4	4,611.81	1/4	4,287.45	1/4	3,938.10	1/4	3,573.07	1/4	3,207.14	1/4	2,841.20	1/4	2,475.27
1/2		1/2		1/2		1/2	4,605.28	1/2	4,280.41	1/2	3,930.60	1/2	3,565.45	1/2	3,199.51	1/2	2,833.58	1/2	2,467.65
3/4		3/4		3/4		3/4	4,598.74	3/4	4,273.37	3/4	3,923.10	3/4	3,557.82	3/4	3,191.89	3/4	2,825.96	3/4	2,460.02
9		9		9		9	4,592.17	9	4,266.28	9	3,915.57	9	3,550.20	9	3,184.27	9	2,818.33	9	2,452.40
1/4		1/4		1/4		1/4	4,585.60	1/4	4,259.18	1/4	3,908.03	1/4	3,542.58	1/4	3,176.64	1/4	2,810.71	1/4	2,444.78
1/2		1/2		1/2		1/2	4,579.03	1/2	4,252.09	1/2	3,900.50	1/2	3,534.95	1/2	3,169.02	1/2	2,803.09	1/2	2,437.15
3/4		3/4		3/4		3/4	4,572.46	3/4	4,244.99	3/4	3,892.96	3/4	3,527.33	3/4	3,161.40	3/4	2,795.46	3/4	2,429.53
10		10		10		10	4,565.85	10	4,237.86	10	3,885.39	10	3,519.70	10	3,153.77	10	2,787.84	10	2,421.91
1/4		1/4		1/4		1/4	4,559.24	1/4	4,230.73	1/4	3,877.82	1/4	3,512.08	1/4	3,146.15	1/4	2,780.22	1/4	2,414.28
1/2		1/2		1/2		1/2	4,552.63	1/2	4,223.59	1/2	3,870.25	1/2	3,504.46	1/2	3,138.52	1/2	2,772.59	1/2	2,406.66
3/4		3/4		3/4		3/4	4,546.02	3/4	4,216.46	3/4	3,862.67	3/4	3,496.83	3/4	3,130.90	3/4	2,764.97	3/4	2,399.04
11		11		11		11	4,539.37	11	4,209.29	11	3,855.07	11	3,489.21	11	3,123.28	11	2,757.34	11	2,391.41
1/4		1/4		1/4		1/4	4,532.72	1/4	4,202.12	1/4	3,847.47	1/4	3,481.59	1/4	3,115.65	1/4	2,749.72	1/4	2,383.79
1/2		1/2		1/2		1/2	4,526.08	1/2	4,194.95	1/2	3,839.86	1/2	3,473.96	1/2	3,108.03	1/2	2,742.10	1/2	2,376.16
3/4		3/4		3/4		3/4	4,519.43	3/4	4,187.78	3/4	3,832.26	3/4	3,466.34	3/4	3,100.41	3/4	2,734.47	3/4	2,368.54

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 53'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 28085"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	2,360.92	0	1,994.99	0	1,629.04	0	1,263.75	0	899.91	0	534.34	0	188.02	0		0		0	
1/4	2,353.29	1/4	1,987.36	1/4	1,621.42	1/4	1,256.12	1/4	892.34	1/4	526.71	1/4	181.33	1/4		1/4		1/4	
1/2	2,345.67	1/2	1,979.74	1/2	1,613.79	1/2	1,248.50	1/2	884.78	1/2	519.09	1/2	174.64	1/2		1/2		1/2	
3/4	2,338.05	3/4	1,972.12	3/4	1,606.17	3/4	1,240.88	3/4	877.21	3/4	511.47	3/4	167.95	3/4		3/4		3/4	
1	2,330.42	1	1,964.49	1	1,598.55	1	1,233.25	1	869.62	1	503.86	1	161.34	1		1		1	
1/4	2,322.80	1/4	1,956.87	1/4	1,590.92	1/4	1,225.63	1/4	862.04	1/4	496.26	1/4	154.74	1/4		1/4		1/4	
1/2	2,315.18	1/2	1,949.25	1/2	1,583.30	1/2	1,218.00	1/2	854.46	1/2	488.66	1/2	148.13	1/2		1/2		1/2	
3/4	2,307.55	3/4	1,941.62	3/4	1,575.67	3/4	1,210.38	3/4	846.88	3/4	481.05	3/4	141.53	3/4		3/4		3/4	
2	2,299.93	2	1,934.00	2	1,568.05	2	1,202.77	2	839.27	2	473.51	2	135.02	2		2		2	
1/4	2,292.30	1/4	1,926.37	1/4	1,560.43	1/4	1,195.16	1/4	831.66	1/4	465.97	1/4	128.50	1/4		1/4		1/4	
1/2	2,284.68	1/2	1,918.75	1/2	1,552.80	1/2	1,187.55	1/2	824.05	1/2	458.43	1/2	121.99	1/2		1/2		1/2	
3/4	2,277.06	3/4	1,911.13	3/4	1,545.18	3/4	1,179.94	3/4	816.44	3/4	450.89	3/4	115.48	3/4		3/4		3/4	
3	2,269.43	3	1,903.50	3	1,537.56	3	1,172.36	3	808.82	3	443.44	3	109.06	3		3		3	
1/4	2,261.81	1/4	1,895.88	1/4	1,529.93	1/4	1,164.77	1/4	801.19	1/4	435.98	1/4	102.65	1/4		1/4		1/4	
1/2	2,254.19	1/2	1,888.25	1/2	1,522.31	1/2	1,157.19	1/2	793.57	1/2	428.53	1/2	96.23	1/2		1/2		1/2	
3/4	2,246.56	3/4	1,880.63	3/4	1,514.68	3/4	1,149.61	3/4	785.94	3/4	421.07	3/4	89.81	3/4		3/4		3/4	
4	2,238.94	4	1,873.01	4	1,507.06	4	1,142.04	4	778.32	4	413.70	4	83.50	4		4		4	
1/4	2,231.32	1/4	1,865.38	1/4	1,499.44	1/4	1,134.47	1/4	770.69	1/4	406.33	1/4	77.19	1/4		1/4		1/4	
1/2	2,223.69	1/2	1,857.76	1/2	1,491.81	1/2	1,126.90	1/2	763.07	1/2	398.96	1/2	70.88	1/2		1/2		1/2	
3/4	2,216.07	3/4	1,850.14	3/4	1,484.19	3/4	1,119.33	3/4	755.45	3/4	391.59	3/4	64.57	3/4		3/4		3/4	
5	2,208.45	5	1,842.51	5	1,476.58	5	1,111.77	5	747.82	5	384.31	5	58.37	5		5		5	
1/4	2,200.82	1/4	1,834.89	1/4	1,468.97	1/4	1,104.20	1/4	740.20	1/4	377.02	1/4	52.18	1/4		1/4		1/4	
1/2	2,193.20	1/2	1,827.26	1/2	1,461.36	1/2	1,096.64	1/2	732.57	1/2	369.73	1/2	45.99	1/2		1/2		1/2	
3/4	2,185.57	3/4	1,819.64	3/4	1,453.75	3/4	1,089.07	3/4	724.95	3/4	362.45	3/4	39.80	3/4		3/4		3/4	
6	2,177.95	6	1,812.02	6	1,446.15	6	1,081.50	6	717.32	6	355.25	6	34.30	6		6		6	
1/4	2,170.33	1/4	1,804.39	1/4	1,438.56	1/4	1,073.94	1/4	709.70	1/4	348.05	1/4	28.80	1/4		1/4		1/4	
1/2	2,162.70	1/2	1,796.77	1/2	1,430.96	1/2	1,066.37	1/2	702.08	1/2	340.85	1/2	23.30	1/2		1/2		1/2	
3/4	2,155.08	3/4	1,789.14	3/4	1,423.36	3/4	1,058.80	3/4	694.45	3/4	333.65	3/4	17.80	3/4		3/4		3/4	
7	2,147.46	7	1,781.52	7	1,415.77	7	1,051.24	7	686.83	7	326.53	7	14.25	7		7		7	
1/4	2,139.83	1/4	1,773.90	1/4	1,408.17	1/4	1,043.67	1/4	679.20	1/4	319.41	1/4	10.69	1/4		1/4		1/4	
1/2	2,132.21	1/2	1,766.27	1/2	1,400.57	1/2	1,036.11	1/2	671.58	1/2	312.30	1/2	7.14	1/2		1/2		1/2	
3/4	2,124.59	3/4	1,758.65	3/4	1,392.98	3/4	1,028.54	3/4	663.96	3/4	305.18	3/4	3.58	3/4		3/4		3/4	
8	2,116.96	8	1,751.02	8	1,385.38	8	1,020.97	8	656.33	8	298.15	8		8		8		8	
1/4	2,109.34	1/4	1,743.40	1/4	1,377.78	1/4	1,013.41	1/4	648.71	1/4	291.12	1/4		1/4		1/4		1/4	
1/2	2,101.71	1/2	1,735.78	1/2	1,370.19	1/2	1,005.84	1/2	641.08	1/2	284.09	1/2		1/2		1/2		1/2	
3/4	2,094.09	3/4	1,728.15	3/4	1,362.59	3/4	998.27	3/4	633.46	3/4	277.06	3/4		3/4		3/4		3/4	
9	2,086.47	9	1,720.53	9	1,354.99	9	990.71	9	625.83	9	270.11	9		9		9		9	
1/4	2,078.84	1/4	1,712.91	1/4	1,347.40	1/4	983.14	1/4	618.21	1/4	263.16	1/4		1/4		1/4		1/4	
1/2	2,071.22	1/2	1,705.28	1/2	1,339.80	1/2	975.58	1/2	610.59	1/2	256.22	1/2		1/2		1/2		1/2	
3/4	2,063.60	3/4	1,697.66	3/4	1,332.20	3/4	968.01	3/4	602.96	3/4	249.27	3/4		3/4		3/4		3/4	
10	2,055.97	10	1,690.03	10	1,324.61	10	960.44	10	595.34	10	242.41	10		10		10		10	
1/4	2,048.35	1/4	1,682.41	1/4	1,317.01	1/4	952.88	1/4	587.71	1/4	235.55	1/4		1/4		1/4		1/4	
1/2	2,040.73	1/2	1,674.79	1/2	1,309.41	1/2	945.31	1/2	580.09	1/2	228.69	1/2		1/2		1/2		1/2	
3/4	2,033.10	3/4	1,667.16	3/4	1,301.82	3/4	937.74	3/4	572.46	3/4	221.82	3/4		3/4		3/4		3/4	
11	2,025.48	11	1,659.54	11	1,294.21	11	930.18	11	564.84	11	215.05	11		11		11		11	
1/4	2,017.86	1/4	1,651.91	1/4	1,286.59	1/4	922.61	1/4	557.21	1/4	208.27	1/4		1/4		1/4		1/4	
1/2	2,010.23	1/2	1,644.29	1/2	1,278.98	1/2	915.05	1/2	549.59	1/2	201.49	1/2		1/2		1/2		1/2	
3/4	2,002.61	3/4	1,636.67	3/4	1,271.37	3/4	907.48	3/4	541.96	3/4	194.72	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2006 CL - SW
CALCULATED: 09/22/2006 CL
PRINTED: 09/22/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2006

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

BARGE "KIRBY 28085"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	4,527.46	0	4,196.33	0	3,841.25	0	3,475.35	0	3,109.42	0	2,743.48
1/4		1/4		1/4		1/4		1/4	4,520.81	1/4	4,189.16	1/4	3,833.64	1/4	3,467.73	1/4	3,101.79	1/4	2,735.86
1/2		1/2		1/2		1/2		1/2	4,514.13	1/2	4,181.95	1/2	3,826.02	1/2	3,460.10	1/2	3,094.17	1/2	2,728.24
3/4		3/4		3/4		3/4		3/4	4,507.45	3/4	4,174.75	3/4	3,818.40	3/4	3,452.48	3/4	3,086.55	3/4	2,720.61
1		1		1		1		1	4,500.76	1	4,167.54	1	3,810.78	1	3,444.85	1	3,078.92	1	2,712.99
1/4		1/4		1/4		1/4	4,821.26	1/4	4,494.08	1/4	4,160.33	1/4	3,803.16	1/4	3,437.23	1/4	3,071.30	1/4	2,705.37
1/2		1/2		1/2		1/2	4,814.44	1/2	4,487.37	1/2	4,153.09	1/2	3,795.54	1/2	3,429.61	1/2	3,063.67	1/2	2,697.74
3/4		3/4		3/4		3/4	4,807.61	3/4	4,480.65	3/4	4,145.84	3/4	3,787.92	3/4	3,421.98	3/4	3,056.05	3/4	2,690.12
2		2		2		2	4,800.79	2	4,473.94	2	4,138.59	2	3,780.29	2	3,414.36	2	3,048.43	2	2,682.49
1/4		1/4		1/4		1/4	4,793.97	1/4	4,467.22	1/4	4,131.35	1/4	3,772.67	1/4	3,406.74	1/4	3,040.80	1/4	2,674.87
1/2		1/2		1/2		1/2	4,786.51	1/2	4,460.47	1/2	4,124.07	1/2	3,765.05	1/2	3,399.11	1/2	3,033.18	1/2	2,667.25
3/4		3/4		3/4		3/4	4,779.05	3/4	4,453.72	3/4	4,116.78	3/4	3,757.42	3/4	3,391.49	3/4	3,025.56	3/4	2,659.62
3		3		3		3	4,771.59	3	4,446.97	3	4,109.50	3	3,749.80	3	3,383.87	3	3,017.93	3	2,652.00
1/4		1/4		1/4		1/4	4,764.13	1/4	4,440.23	1/4	4,102.22	1/4	3,742.17	1/4	3,376.24	1/4	3,010.31	1/4	2,644.38
1/2		1/2		1/2		1/2	4,756.59	1/2	4,433.44	1/2	4,094.90	1/2	3,734.55	1/2	3,368.62	1/2	3,002.69	1/2	2,636.75
3/4		3/4		3/4		3/4	4,749.05	3/4	4,426.65	3/4	4,087.58	3/4	3,726.93	3/4	3,360.99	3/4	2,995.06	3/4	2,629.13
4		4		4		4	4,741.51	4	4,419.86	4	4,080.27	4	3,719.30	4	3,353.37	4	2,987.44	4	2,621.51
1/4		1/4		1/4		1/4	4,733.97	1/4	4,413.08	1/4	4,072.95	1/4	3,711.68	1/4	3,345.75	1/4	2,979.81	1/4	2,613.88
1/2		1/2		1/2		1/2	4,726.71	1/2	4,406.25	1/2	4,065.60	1/2	3,704.06	1/2	3,338.12	1/2	2,972.19	1/2	2,606.26
3/4		3/4		3/4		3/4	4,719.45	3/4	4,399.43	3/4	4,058.25	3/4	3,696.43	3/4	3,330.50	3/4	2,964.57	3/4	2,598.63
5		5		5		5	4,712.19	5	4,392.60	5	4,050.90	5	3,688.81	5	3,322.88	5	2,956.94	5	2,591.01
1/4		1/4		1/4		1/4	4,704.93	1/4	4,385.78	1/4	4,043.55	1/4	3,681.19	1/4	3,315.25	1/4	2,949.32	1/4	2,583.39
1/2		1/2		1/2		1/2	4,698.22	1/2	4,378.92	1/2	4,036.16	1/2	3,673.56	1/2	3,307.63	1/2	2,941.70	1/2	2,575.76
3/4		3/4		3/4		3/4	4,691.51	3/4	4,372.06	3/4	4,028.78	3/4	3,665.94	3/4	3,300.01	3/4	2,934.07	3/4	2,568.14
6		6		6		6	4,684.80	6	4,365.19	6	4,021.39	6	3,658.32	6	3,292.38	6	2,926.45	6	2,560.52
1/4		1/4		1/4		1/4	4,678.09	1/4	4,358.33	1/4	4,014.01	1/4	3,650.69	1/4	3,284.76	1/4	2,918.83	1/4	2,552.89
1/2		1/2		1/2		1/2	4,671.63	1/2	4,351.43	1/2	4,006.58	1/2	3,643.07	1/2	3,277.14	1/2	2,911.20	1/2	2,545.27
3/4		3/4		3/4		3/4	4,665.17	3/4	4,344.53	3/4	3,999.16	3/4	3,635.44	3/4	3,269.51	3/4	2,903.58	3/4	2,537.65
7		7		7		7	4,658.71	7	4,337.64	7	3,991.74	7	3,627.82	7	3,261.89	7	2,895.96	7	2,530.02
1/4		1/4		1/4		1/4	4,652.25	1/4	4,330.74	1/4	3,984.32	1/4	3,620.20	1/4	3,254.26	1/4	2,888.33	1/4	2,522.40
1/2		1/2		1/2		1/2	4,645.75	1/2	4,323.78	1/2	3,976.86	1/2	3,612.57	1/2	3,246.64	1/2	2,880.71	1/2	2,514.78
3/4		3/4		3/4		3/4	4,639.26	3/4	4,316.82	3/4	3,969.40	3/4	3,604.95	3/4	3,239.02	3/4	2,873.08	3/4	2,507.15
8		8		8		8	4,632.76	8	4,309.86	8	3,961.94	8	3,597.33	8	3,231.39	8	2,865.46	8	2,499.53
1/4		1/4		1/4		1/4	4,626.26	1/4	4,302.91	1/4	3,954.48	1/4	3,589.70	1/4	3,223.77	1/4	2,857.84	1/4	2,491.90
1/2		1/2		1/2		1/2	4,619.73	1/2	4,295.87	1/2	3,946.98	1/2	3,582.08	1/2	3,216.15	1/2	2,850.21	1/2	2,484.28
3/4		3/4		3/4		3/4	4,613.19	3/4	4,288.83	3/4	3,939.48	3/4	3,574.46	3/4	3,208.52	3/4	2,842.59	3/4	2,476.66
9		9		9		9	4,606.66	9	4,281.79	9	3,931.98	9	3,566.83	9	3,200.90	9	2,834.97	9	2,469.03
1/4		1/4		1/4		1/4	4,600.12	1/4	4,274.76	1/4	3,924.49	1/4	3,559.21	1/4	3,193.28	1/4	2,827.34	1/4	2,461.41
1/2		1/2		1/2		1/2	4,593.55	1/2	4,267.66	1/2	3,916.95	1/2	3,551.58	1/2	3,185.65	1/2	2,819.72	1/2	2,453.79
3/4		3/4		3/4		3/4	4,586.98	3/4	4,260.57	3/4	3,909.42	3/4	3,543.96	3/4	3,178.03	3/4	2,812.10	3/4	2,446.16
10		10		10		10	4,580.41	10	4,253.47	10	3,901.88	10	3,536.34	10	3,170.40	10	2,804.47	10	2,438.54
1/4		1/4		1/4		1/4	4,573.83	1/4	4,246.37	1/4	3,894.35	1/4	3,528.71	1/4	3,162.78	1/4	2,796.85	1/4	2,430.92
1/2		1/2		1/2		1/2	4,567.23	1/2	4,239.24	1/2	3,886.77	1/2	3,521.09	1/2	3,155.16	1/2	2,789.22	1/2	2,423.29
3/4		3/4		3/4		3/4	4,560.62	3/4	4,232.11	3/4	3,879.20	3/4	3,513.47	3/4	3,147.53	3/4	2,781.60	3/4	2,415.67
11		11		11		11	4,554.01	11	4,224.98	11	3,871.63	11	3,505.84	11	3,139.91	11	2,773.98	11	2,408.04
1/4		1/4		1/4		1/4	4,547.40	1/4	4,217.84	1/4	3,864.06	1/4	3,498.22	1/4	3,132.29	1/4	2,766.35	1/4	2,400.42
1/2		1/2		1/2		1/2	4,540.75	1/2	4,210.67	1/2	3,856.45	1/2	3,490.60	1/2	3,124.66	1/2	2,758.73	1/2	2,392.80
3/4		3/4		3/4		3/4	4,534.10	3/4	4,203.50	3/4	3,848.85	3/4	3,482.97	3/4	3,117.04	3/4	2,751.11	3/4	2,385.17

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 53'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 28085"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	2,377.55	0	2,011.62	0	1,645.68	0	1,280.37	0	915.36	0	549.58	0	201.49	0		0		0	
1/4	2,369.93	1/4	2,003.99	1/4	1,638.05	1/4	1,272.76	1/4	907.76	1/4	541.96	1/4	194.71	1/4		1/4		1/4	
1/2	2,362.30	1/2	1,996.37	1/2	1,630.43	1/2	1,265.14	1/2	900.16	1/2	534.33	1/2	188.02	1/2		1/2		1/2	
3/4	2,354.68	3/4	1,988.75	3/4	1,622.80	3/4	1,257.51	3/4	892.57	3/4	526.71	3/4	181.33	3/4		3/4		3/4	
1	2,347.06	1	1,981.13	1	1,615.18	1	1,249.89	1	884.97	1	519.08	1	174.63	1		1		1	
1/4	2,339.43	1/4	1,973.50	1/4	1,607.56	1/4	1,242.26	1/4	877.37	1/4	511.46	1/4	167.94	1/4		1/4		1/4	
1/2	2,331.81	1/2	1,965.88	1/2	1,599.93	1/2	1,234.64	1/2	869.76	1/2	503.85	1/2	161.34	1/2		1/2		1/2	
3/4	2,324.19	3/4	1,958.26	3/4	1,592.31	3/4	1,227.01	3/4	862.15	3/4	496.25	3/4	154.73	3/4		3/4		3/4	
2	2,316.56	2	1,950.63	2	1,584.68	2	1,219.39	2	854.54	2	488.65	2	148.13	2		2		2	
1/4	2,308.94	1/4	1,943.01	1/4	1,577.06	1/4	1,211.76	1/4	846.93	1/4	481.04	1/4	141.52	1/4		1/4		1/4	
1/2	2,301.31	1/2	1,935.38	1/2	1,569.44	1/2	1,204.14	1/2	839.30	1/2	473.50	1/2	135.01	1/2		1/2		1/2	
3/4	2,293.69	3/4	1,927.76	3/4	1,561.81	3/4	1,196.51	3/4	831.68	3/4	465.96	3/4	128.50	3/4		3/4		3/4	
3	2,286.07	3	1,920.14	3	1,554.19	3	1,188.89	3	824.06	3	458.42	3	121.99	3		3		3	
1/4	2,278.44	1/4	1,912.51	1/4	1,546.57	1/4	1,181.27	1/4	816.43	1/4	450.89	1/4	115.47	1/4		1/4		1/4	
1/2	2,270.82	1/2	1,904.89	1/2	1,538.94	1/2	1,173.65	1/2	808.81	1/2	443.43	1/2	109.06	1/2		1/2		1/2	
3/4	2,263.20	3/4	1,897.26	3/4	1,531.32	3/4	1,166.04	3/4	801.18	3/4	435.97	3/4	102.64	3/4		3/4		3/4	
4	2,255.57	4	1,889.64	4	1,523.69	4	1,158.43	4	793.56	4	428.52	4	96.23	4		4		4	
1/4	2,247.95	1/4	1,882.02	1/4	1,516.07	1/4	1,150.82	1/4	785.93	1/4	421.06	1/4	89.81	1/4		1/4		1/4	
1/2	2,240.33	1/2	1,874.39	1/2	1,508.45	1/2	1,143.22	1/2	778.31	1/2	413.69	1/2	83.50	1/2		1/2		1/2	
3/4	2,232.70	3/4	1,866.77	3/4	1,500.82	3/4	1,135.62	3/4	770.69	3/4	406.32	3/4	77.19	3/4		3/4		3/4	
5	2,225.08	5	1,859.14	5	1,493.20	5	1,128.03	5	763.06	5	398.95	5	70.88	5		5		5	
1/4	2,217.45	1/4	1,851.52	1/4	1,485.57	1/4	1,120.43	1/4	755.44	1/4	391.58	1/4	64.56	1/4		1/4		1/4	
1/2	2,209.83	1/2	1,843.90	1/2	1,477.96	1/2	1,112.84	1/2	747.81	1/2	384.30	1/2	58.37	1/2		1/2		1/2	
3/4	2,202.21	3/4	1,836.27	3/4	1,470.35	3/4	1,105.24	3/4	740.19	3/4	377.01	3/4	52.18	3/4		3/4		3/4	
6	2,194.58	6	1,828.65	6	1,462.74	6	1,097.64	6	732.56	6	369.73	6	45.99	6		6		6	
1/4	2,186.96	1/4	1,821.03	1/4	1,455.13	1/4	1,090.05	1/4	724.94	1/4	362.44	1/4	39.79	1/4		1/4		1/4	
1/2	2,179.34	1/2	1,813.40	1/2	1,447.54	1/2	1,082.45	1/2	717.32	1/2	355.24	1/2	34.29	1/2		1/2		1/2	
3/4	2,171.71	3/4	1,805.78	3/4	1,439.94	3/4	1,074.86	3/4	709.69	3/4	348.04	3/4	28.80	3/4		3/4		3/4	
7	2,164.09	7	1,798.15	7	1,432.34	7	1,067.26	7	702.07	7	340.84	7	23.30	7		7		7	
1/4	2,156.47	1/4	1,790.53	1/4	1,424.75	1/4	1,059.67	1/4	694.44	1/4	333.64	1/4	17.80	1/4		1/4		1/4	
1/2	2,148.84	1/2	1,782.91	1/2	1,417.15	1/2	1,052.07	1/2	686.82	1/2	326.52	1/2	14.25	1/2		1/2		1/2	
3/4	2,141.22	3/4	1,775.28	3/4	1,409.56	3/4	1,044.48	3/4	679.20	3/4	319.41	3/4	10.69	3/4		3/4		3/4	
8	2,133.60	8	1,767.66	8	1,401.96	8	1,036.88	8	671.57	8	312.29	8	7.14	8		8		8	
1/4	2,125.97	1/4	1,760.03	1/4	1,394.36	1/4	1,029.29	1/4	663.95	1/4	305.17	1/4	3.58	1/4		1/4		1/4	
1/2	2,118.35	1/2	1,752.41	1/2	1,386.77	1/2	1,021.69	1/2	656.32	1/2	298.14	1/2		1/2		1/2		1/2	
3/4	2,110.72	3/4	1,744.79	3/4	1,379.17	3/4	1,014.10	3/4	648.70	3/4	291.11	3/4		3/4		3/4		3/4	
9	2,103.10	9	1,737.16	9	1,371.57	9	1,006.50	9	641.07	9	284.08	9		9		9		9	
1/4	2,095.48	1/4	1,729.54	1/4	1,363.98	1/4	998.91	1/4	633.45	1/4	277.05	1/4		1/4		1/4		1/4	
1/2	2,087.85	1/2	1,721.91	1/2	1,356.38	1/2	991.31	1/2	625.83	1/2	270.10	1/2		1/2		1/2		1/2	
3/4	2,080.23	3/4	1,714.29	3/4	1,348.78	3/4	983.72	3/4	618.20	3/4	263.16	3/4		3/4		3/4		3/4	
10	2,072.61	10	1,706.67	10	1,341.19	10	976.12	10	610.58	10	256.21	10		10		10		10	
1/4	2,064.98	1/4	1,699.04	1/4	1,333.59	1/4	968.52	1/4	602.95	1/4	249.26	1/4		1/4		1/4		1/4	
1/2	2,057.36	1/2	1,691.42	1/2	1,325.99	1/2	960.93	1/2	595.33	1/2	242.40	1/2		1/2		1/2		1/2	
3/4	2,049.74	3/4	1,683.80	3/4	1,318.40	3/4	953.33	3/4	587.70	3/4	235.54	3/4		3/4		3/4		3/4	
11	2,042.11	11	1,676.17	11	1,310.80	11	945.74	11	580.08	11	228.68	11		11		11		11	
1/4	2,034.49	1/4	1,668.55	1/4	1,303.20	1/4	938.14	1/4	572.45	1/4	221.82	1/4		1/4		1/4		1/4	
1/2	2,026.86	1/2	1,660.92	1/2	1,295.59	1/2	930.55	1/2	564.83	1/2	215.04	1/2		1/2		1/2		1/2	
3/4	2,019.24	3/4	1,653.30	3/4	1,287.98	3/4	922.95	3/4	557.21	3/4	208.26	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2006 CL - SW
CALCULATED: 09/22/2006 CL
PRINTED: 09/22/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2006

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

BARGE "KIRBY 28085"

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,543.01	0	4,213.29	0	3,859.84	0	3,496.04	0	3,132.24	0	2,768.44
1/4		1/4		1/4		1/4		1/4	4,536.36	1/4	4,206.12	1/4	3,852.26	1/4	3,488.46	1/4	3,124.66	1/4	2,760.86
1/2		1/2		1/2		1/2		1/2	4,529.72	1/2	4,198.96	1/2	3,844.68	1/2	3,480.89	1/2	3,117.08	1/2	2,753.28
3/4		3/4		3/4		3/4	4,847.30	3/4	4,523.08	3/4	4,191.79	3/4	3,837.11	3/4	3,473.31	3/4	3,109.50	3/4	2,745.70
1		1		1		1	4,841.70	1	4,516.43	1	4,184.63	1	3,829.53	1	3,465.73	1	3,101.93	1	2,738.12
1/4		1/4		1/4		1/4	4,834.92	1/4	4,509.76	1/4	4,177.42	1/4	3,821.95	1/4	3,458.15	1/4	3,094.35	1/4	2,730.54
1/2		1/2		1/2		1/2	4,828.14	1/2	4,503.08	1/2	4,170.22	1/2	3,814.37	1/2	3,450.57	1/2	3,086.77	1/2	2,722.97
3/4		3/4		3/4		3/4	4,821.35	3/4	4,496.41	3/4	4,163.02	3/4	3,806.79	3/4	3,442.99	3/4	3,079.19	3/4	2,715.39
2		2		2		2	4,814.57	2	4,489.73	2	4,155.81	2	3,799.21	2	3,435.41	2	3,071.61	2	2,707.81
1/4		1/4		1/4		1/4	4,807.15	1/4	4,483.02	1/4	4,148.57	1/4	3,791.63	1/4	3,427.83	1/4	3,064.03	1/4	2,700.23
1/2		1/2		1/2		1/2	4,799.74	1/2	4,476.31	1/2	4,141.33	1/2	3,784.05	1/2	3,420.25	1/2	3,056.45	1/2	2,692.65
3/4		3/4		3/4		3/4	4,792.32	3/4	4,469.60	3/4	4,134.09	3/4	3,776.47	3/4	3,412.67	3/4	3,048.87	3/4	2,685.07
3		3		3		3	4,784.90	3	4,462.89	3	4,126.85	3	3,768.90	3	3,405.09	3	3,041.29	3	2,677.49
1/4		1/4		1/4		1/4	4,777.41	1/4	4,456.15	1/4	4,119.58	1/4	3,761.32	1/4	3,397.51	1/4	3,033.71	1/4	2,669.91
1/2		1/2		1/2		1/2	4,769.92	1/2	4,449.40	1/2	4,112.30	1/2	3,753.74	1/2	3,389.94	1/2	3,026.13	1/2	2,662.33
3/4		3/4		3/4		3/4	4,762.42	3/4	4,442.65	3/4	4,105.03	3/4	3,746.16	3/4	3,382.36	3/4	3,018.55	3/4	2,654.75
4		4		4		4	4,754.93	4	4,435.90	4	4,097.75	4	3,738.58	4	3,374.78	4	3,010.98	4	2,647.17
1/4		1/4		1/4		1/4	4,747.71	1/4	4,429.12	1/4	4,090.45	1/4	3,731.00	1/4	3,367.20	1/4	3,003.40	1/4	2,639.59
1/2		1/2		1/2		1/2	4,740.49	1/2	4,422.33	1/2	4,083.14	1/2	3,723.42	1/2	3,359.62	1/2	2,995.82	1/2	2,632.02
3/4		3/4		3/4		3/4	4,733.27	3/4	4,415.55	3/4	4,075.83	3/4	3,715.84	3/4	3,352.04	3/4	2,988.24	3/4	2,624.44
5		5		5		5	4,726.06	5	4,408.77	5	4,068.52	5	3,708.26	5	3,344.46	5	2,980.66	5	2,616.86
1/4		1/4		1/4		1/4	4,719.38	1/4	4,401.94	1/4	4,061.18	1/4	3,700.68	1/4	3,336.88	1/4	2,973.08	1/4	2,609.28
1/2		1/2		1/2		1/2	4,712.71	1/2	4,395.12	1/2	4,053.84	1/2	3,693.10	1/2	3,329.30	1/2	2,965.50	1/2	2,601.70
3/4		3/4		3/4		3/4	4,706.04	3/4	4,388.30	3/4	4,046.49	3/4	3,685.52	3/4	3,321.72	3/4	2,957.92	3/4	2,594.12
6		6		6		6	4,699.37	6	4,381.48	6	4,039.15	6	3,677.94	6	3,314.14	6	2,950.34	6	2,586.54
1/4		1/4		1/4		1/4	4,692.95	1/4	4,374.62	1/4	4,031.77	1/4	3,670.37	1/4	3,306.56	1/4	2,942.76	1/4	2,578.96
1/2		1/2		1/2		1/2	4,686.52	1/2	4,367.76	1/2	4,024.39	1/2	3,662.79	1/2	3,298.98	1/2	2,935.18	1/2	2,571.38
3/4		3/4		3/4		3/4	4,680.10	3/4	4,360.90	3/4	4,017.01	3/4	3,655.21	3/4	3,291.41	3/4	2,927.60	3/4	2,563.80
7		7		7		7	4,673.68	7	4,354.04	7	4,009.63	7	3,647.63	7	3,283.83	7	2,920.02	7	2,556.22
1/4		1/4		1/4		1/4	4,667.22	1/4	4,347.13	1/4	4,002.22	1/4	3,640.05	1/4	3,276.25	1/4	2,912.45	1/4	2,548.64
1/2		1/2		1/2		1/2	4,660.76	1/2	4,340.21	1/2	3,994.80	1/2	3,632.47	1/2	3,268.67	1/2	2,904.87	1/2	2,541.06
3/4		3/4		3/4		3/4	4,654.30	3/4	4,333.29	3/4	3,987.38	3/4	3,624.89	3/4	3,261.09	3/4	2,897.29	3/4	2,533.49
8		8		8		8	4,647.84	8	4,326.38	8	3,979.97	8	3,617.31	8	3,253.51	8	2,889.71	8	2,525.91
1/4		1/4		1/4		1/4	4,641.35	1/4	4,319.38	1/4	3,972.51	1/4	3,609.73	1/4	3,245.93	1/4	2,882.13	1/4	2,518.33
1/2		1/2		1/2		1/2	4,634.85	1/2	4,312.38	1/2	3,965.06	1/2	3,602.15	1/2	3,238.35	1/2	2,874.55	1/2	2,510.75
3/4		3/4		3/4		3/4	4,628.35	3/4	4,305.39	3/4	3,957.61	3/4	3,594.57	3/4	3,230.77	3/4	2,866.97	3/4	2,503.17
9		9		9		9	4,621.86	9	4,298.39	9	3,950.15	9	3,586.99	9	3,223.19	9	2,859.39	9	2,495.59
1/4		1/4		1/4		1/4	4,615.32	1/4	4,291.34	1/4	3,942.66	1/4	3,579.42	1/4	3,215.61	1/4	2,851.81	1/4	2,488.01
1/2		1/2		1/2		1/2	4,608.79	1/2	4,284.28	1/2	3,935.17	1/2	3,571.84	1/2	3,208.03	1/2	2,844.23	1/2	2,480.43
3/4		3/4		3/4		3/4	4,602.26	3/4	4,277.23	3/4	3,927.68	3/4	3,564.26	3/4	3,200.46	3/4	2,836.65	3/4	2,472.85
10		10		10		10	4,595.72	10	4,270.17	10	3,920.19	10	3,556.68	10	3,192.88	10	2,829.07	10	2,465.27
1/4		1/4		1/4		1/4	4,589.15	1/4	4,263.08	1/4	3,912.66	1/4	3,549.10	1/4	3,185.30	1/4	2,821.50	1/4	2,457.69
1/2		1/2		1/2		1/2	4,582.58	1/2	4,255.99	1/2	3,905.13	1/2	3,541.52	1/2	3,177.72	1/2	2,813.92	1/2	2,450.11
3/4		3/4		3/4		3/4	4,576.01	3/4	4,248.90	3/4	3,897.60	3/4	3,533.94	3/4	3,170.14	3/4	2,806.34	3/4	2,442.54
11		11		11		11	4,569.44	11	4,241.81	11	3,890.07	11	3,526.36	11	3,162.56	11	2,798.76	11	2,434.96
1/4		1/4		1/4		1/4	4,562.83	1/4	4,234.68	1/4	3,882.52	1/4	3,518.78	1/4	3,154.98	1/4	2,791.18	1/4	2,427.38
1/2		1/2		1/2		1/2	4,556.22	1/2	4,227.55	1/2	3,874.96	1/2	3,511.20	1/2	3,147.40	1/2	2,783.60	1/2	2,419.80
3/4		3/4		3/4		3/4	4,549.61	3/4	4,220.42	3/4	3,867.40	3/4	3,503.62	3/4	3,139.82	3/4	2,776.02	3/4	2,412.22

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'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 28085"

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,404.64	0	2,040.84	0	1,677.02	0	1,317.09	0	965.68	0	606.23	0	242.38	0		0		0	
1/4	2,397.06	1/4	2,033.26	1/4	1,669.44	1/4	1,309.51	1/4	958.43	1/4	598.65	1/4	234.80	1/4		1/4		1/4	
1/2	2,389.48	1/2	2,025.68	1/2	1,661.86	1/2	1,301.93	1/2	951.18	1/2	591.07	1/2	227.22	1/2		1/2		1/2	
3/4	2,381.90	3/4	2,018.10	3/4	1,654.29	3/4	1,294.35	3/4	943.93	3/4	583.49	3/4	219.64	3/4		3/4		3/4	
1	2,374.32	1	2,010.52	1	1,646.71	1	1,286.77	1	936.68	1	575.91	1	212.06	1		1		1	
1/4	2,366.74	1/4	2,002.94	1/4	1,639.13	1/4	1,279.19	1/4	929.41	1/4	568.33	1/4	204.48	1/4		1/4		1/4	
1/2	2,359.16	1/2	1,995.36	1/2	1,631.55	1/2	1,271.61	1/2	922.15	1/2	560.75	1/2	196.90	1/2		1/2		1/2	
3/4	2,351.58	3/4	1,987.78	3/4	1,623.97	3/4	1,264.03	3/4	914.88	3/4	553.17	3/4	189.33	3/4		3/4		3/4	
2	2,344.01	2	1,980.20	2	1,616.39	2	1,256.45	2	907.62	2	545.59	2	181.75	2		2		2	
1/4	2,336.43	1/4	1,972.62	1/4	1,608.81	1/4	1,249.02	1/4	900.34	1/4	538.01	1/4	174.18	1/4		1/4		1/4	
1/2	2,328.85	1/2	1,965.04	1/2	1,601.23	1/2	1,241.59	1/2	893.06	1/2	530.43	1/2	166.61	1/2		1/2		1/2	
3/4	2,321.27	3/4	1,957.46	3/4	1,593.65	3/4	1,234.17	3/4	885.78	3/4	522.85	3/4	159.04	3/4		3/4		3/4	
3	2,313.69	3	1,949.88	3	1,586.07	3	1,226.74	3	878.50	3	515.27	3	151.47	3		3		3	
1/4	2,306.11	1/4	1,942.30	1/4	1,578.49	1/4	1,219.47	1/4	871.07	1/4	507.69	1/4	143.91	1/4		1/4		1/4	
1/2	2,298.53	1/2	1,934.72	1/2	1,570.91	1/2	1,212.20	1/2	863.64	1/2	500.11	1/2	136.35	1/2		1/2		1/2	
3/4	2,290.95	3/4	1,927.14	3/4	1,563.33	3/4	1,204.94	3/4	856.22	3/4	492.53	3/4	128.79	3/4		3/4		3/4	
4	2,283.37	4	1,919.56	4	1,555.75	4	1,197.67	4	848.79	4	484.94	4	121.23	4		4		4	
1/4	2,275.79	1/4	1,911.99	1/4	1,548.25	1/4	1,190.42	1/4	841.21	1/4	477.36	1/4	113.69	1/4		1/4		1/4	
1/2	2,268.21	1/2	1,904.41	1/2	1,540.76	1/2	1,183.17	1/2	833.63	1/2	469.78	1/2	106.15	1/2		1/2		1/2	
3/4	2,260.63	3/4	1,896.83	3/4	1,533.26	3/4	1,175.92	3/4	826.05	3/4	462.20	3/4	98.62	3/4		3/4		3/4	
5	2,253.06	5	1,889.25	5	1,525.76	5	1,168.66	5	818.47	5	454.62	5	91.08	5		5		5	
1/4	2,245.48	1/4	1,881.67	1/4	1,518.34	1/4	1,161.42	1/4	810.89	1/4	447.04	1/4	83.57	1/4		1/4		1/4	
1/2	2,237.90	1/2	1,874.09	1/2	1,510.92	1/2	1,154.17	1/2	803.31	1/2	439.46	1/2	76.07	1/2		1/2		1/2	
3/4	2,230.32	3/4	1,866.51	3/4	1,503.51	3/4	1,146.92	3/4	795.73	3/4	431.88	3/4	68.56	3/4		3/4		3/4	
6	2,222.74	6	1,858.93	6	1,496.09	6	1,139.67	6	788.15	6	424.30	6	61.06	6		6		6	
1/4	2,215.16	1/4	1,851.35	1/4	1,488.67	1/4	1,132.42	1/4	780.57	1/4	416.72	1/4	54.16	1/4		1/4		1/4	
1/2	2,207.58	1/2	1,843.77	1/2	1,481.26	1/2	1,125.17	1/2	772.99	1/2	409.14	1/2	47.26	1/2		1/2		1/2	
3/4	2,200.00	3/4	1,836.19	3/4	1,473.84	3/4	1,117.92	3/4	765.41	3/4	401.56	3/4	40.36	3/4		3/4		3/4	
7	2,192.42	7	1,828.61	7	1,466.42	7	1,110.67	7	757.83	7	393.98	7	33.46	7		7		7	
1/4	2,184.84	1/4	1,821.03	1/4	1,459.00	1/4	1,103.42	1/4	750.25	1/4	386.40	1/4	28.41	1/4		1/4		1/4	
1/2	2,177.26	1/2	1,813.45	1/2	1,451.59	1/2	1,096.17	1/2	742.67	1/2	378.82	1/2	23.36	1/2		1/2		1/2	
3/4	2,169.68	3/4	1,805.87	3/4	1,444.17	3/4	1,088.92	3/4	735.09	3/4	371.24	3/4	18.31	3/4		3/4		3/4	
8	2,162.10	8	1,798.29	8	1,436.75	8	1,081.67	8	727.51	8	363.66	8	13.26	8		8		8	
1/4	2,154.53	1/4	1,790.71	1/4	1,429.33	1/4	1,074.42	1/4	719.93	1/4	356.08	1/4		1/4		1/4		1/4	
1/2	2,146.95	1/2	1,783.14	1/2	1,421.92	1/2	1,067.17	1/2	712.35	1/2	348.50	1/2		1/2		1/2		1/2	
3/4	2,139.37	3/4	1,775.56	3/4	1,414.50	3/4	1,059.93	3/4	704.77	3/4	340.92	3/4		3/4		3/4		3/4	
9	2,131.79	9	1,767.98	9	1,407.08	9	1,052.68	9	697.19	9	333.34	9		9		9		9	
1/4	2,124.21	1/4	1,760.40	1/4	1,399.66	1/4	1,045.43	1/4	689.61	1/4	325.76	1/4		1/4		1/4		1/4	
1/2	2,116.63	1/2	1,752.82	1/2	1,392.25	1/2	1,038.18	1/2	682.03	1/2	318.18	1/2		1/2		1/2		1/2	
3/4	2,109.05	3/4	1,745.24	3/4	1,384.83	3/4	1,030.93	3/4	674.45	3/4	310.60	3/4		3/4		3/4		3/4	
10	2,101.47	10	1,737.66	10	1,377.41	10	1,023.68	10	666.87	10	303.02	10		10		10		10	
1/4	2,093.89	1/4	1,730.08	1/4	1,369.91	1/4	1,016.43	1/4	659.29	1/4	295.44	1/4		1/4		1/4		1/4	
1/2	2,086.31	1/2	1,722.50	1/2	1,362.41	1/2	1,009.18	1/2	651.71	1/2	287.86	1/2		1/2		1/2		1/2	
3/4	2,078.73	3/4	1,714.92	3/4	1,354.91	3/4	1,001.93	3/4	644.13	3/4	280.28	3/4		3/4		3/4		3/4	
11	2,071.15	11	1,707.34	11	1,347.41	11	994.68	11	636.55	11	272.70	11		11		11		11	
1/4	2,063.58	1/4	1,699.76	1/4	1,339.83	1/4	987.43	1/4	628.97	1/4	265.12	1/4		1/4		1/4		1/4	
1/2	2,056.00	1/2	1,692.18	1/2	1,332.25	1/2	980.18	1/2	621.39	1/2	257.54	1/2		1/2		1/2		1/2	
3/4	2,048.42	3/4	1,684.60	3/4	1,324.67	3/4	972.93	3/4	613.81	3/4	249.96	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2006 CL - SW
CALCULATED: 09/22/2006 CL
PRINTED: 09/22/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2006

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "KIRBY 28085"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,552.05	0	4,221.80	0	3,867.94	0	3,504.14	0	3,140.34	0	2,776.54
1/4		1/4		1/4		1/4		1/4	4,545.40	1/4	4,214.64	1/4	3,860.36	1/4	3,496.56	1/4	3,132.76	1/4	2,768.96
1/2		1/2		1/2		1/2		1/2	4,538.76	1/2	4,207.47	1/2	3,852.78	1/2	3,488.98	1/2	3,125.18	1/2	2,761.38
3/4		3/4		3/4		3/4	4,857.40	3/4	4,532.12	3/4	4,200.31	3/4	3,845.21	3/4	3,481.41	3/4	3,117.60	3/4	2,753.80
1		1		1		1	4,850.61	1	4,525.44	1	4,193.10	1	3,837.63	1	3,473.83	1	3,110.02	1	2,746.22
1/4		1/4		1/4		1/4	4,843.83	1/4	4,518.77	1/4	4,185.90	1/4	3,830.05	1/4	3,466.25	1/4	3,102.45	1/4	2,738.64
1/2		1/2		1/2		1/2	4,837.04	1/2	4,512.09	1/2	4,178.70	1/2	3,822.47	1/2	3,458.67	1/2	3,094.87	1/2	2,731.06
3/4		3/4		3/4		3/4	4,830.26	3/4	4,505.42	3/4	4,171.49	3/4	3,814.89	3/4	3,451.09	3/4	3,087.29	3/4	2,723.49
2		2		2		2	4,822.84	2	4,498.71	2	4,164.25	2	3,807.31	2	3,443.51	2	3,079.71	2	2,715.91
1/4		1/4		1/4		1/4	4,815.42	1/4	4,492.00	1/4	4,157.01	1/4	3,799.73	1/4	3,435.93	1/4	3,072.13	1/4	2,708.33
1/2		1/2		1/2		1/2	4,808.01	1/2	4,485.29	1/2	4,149.77	1/2	3,792.15	1/2	3,428.35	1/2	3,064.55	1/2	2,700.75
3/4		3/4		3/4		3/4	4,800.59	3/4	4,478.57	3/4	4,142.53	3/4	3,784.57	3/4	3,420.77	3/4	3,056.97	3/4	2,693.17
3		3		3		3	4,793.10	3	4,471.83	3	4,135.26	3	3,776.99	3	3,413.19	3	3,049.39	3	2,685.59
1/4		1/4		1/4		1/4	4,785.60	1/4	4,465.08	1/4	4,127.98	1/4	3,769.42	1/4	3,405.61	1/4	3,041.81	1/4	2,678.01
1/2		1/2		1/2		1/2	4,778.11	1/2	4,458.33	1/2	4,120.71	1/2	3,761.84	1/2	3,398.03	1/2	3,034.23	1/2	2,670.43
3/4		3/4		3/4		3/4	4,770.61	3/4	4,451.58	3/4	4,113.43	3/4	3,754.26	3/4	3,390.46	3/4	3,026.65	3/4	2,662.85
4		4		4		4	4,763.40	4	4,444.80	4	4,106.12	4	3,746.68	4	3,382.88	4	3,019.07	4	2,655.27
1/4		1/4		1/4		1/4	4,756.18	1/4	4,438.02	1/4	4,098.82	1/4	3,739.10	1/4	3,375.30	1/4	3,011.50	1/4	2,647.69
1/2		1/2		1/2		1/2	4,748.96	1/2	4,431.23	1/2	4,091.51	1/2	3,731.52	1/2	3,367.72	1/2	3,003.92	1/2	2,640.11
3/4		3/4		3/4		3/4	4,741.74	3/4	4,424.45	3/4	4,084.20	3/4	3,723.94	3/4	3,360.14	3/4	2,996.34	3/4	2,632.54
5		5		5		5	4,735.07	5	4,417.63	5	4,076.86	5	3,716.36	5	3,352.56	5	2,988.76	5	2,624.96
1/4		1/4		1/4		1/4	4,728.40	1/4	4,410.80	1/4	4,069.52	1/4	3,708.78	1/4	3,344.98	1/4	2,981.18	1/4	2,617.38
1/2		1/2		1/2		1/2	4,721.73	1/2	4,403.98	1/2	4,062.17	1/2	3,701.20	1/2	3,337.40	1/2	2,973.60	1/2	2,609.80
3/4		3/4		3/4		3/4	4,715.06	3/4	4,397.16	3/4	4,054.83	3/4	3,693.62	3/4	3,329.82	3/4	2,966.02	3/4	2,602.22
6		6		6		6	4,708.63	6	4,390.30	6	4,047.45	6	3,686.04	6	3,322.24	6	2,958.44	6	2,594.64
1/4		1/4		1/4		1/4	4,702.21	1/4	4,383.44	1/4	4,040.07	1/4	3,678.46	1/4	3,314.66	1/4	2,950.86	1/4	2,587.06
1/2		1/2		1/2		1/2	4,695.79	1/2	4,376.58	1/2	4,032.69	1/2	3,670.89	1/2	3,307.08	1/2	2,943.28	1/2	2,579.48
3/4		3/4		3/4		3/4	4,689.37	3/4	4,369.73	3/4	4,025.31	3/4	3,663.31	3/4	3,299.50	3/4	2,935.70	3/4	2,571.90
7		7		7		7	4,682.91	7	4,362.81	7	4,017.90	7	3,655.73	7	3,291.93	7	2,928.12	7	2,564.32
1/4		1/4		1/4		1/4	4,676.45	1/4	4,355.89	1/4	4,010.48	1/4	3,648.15	1/4	3,284.35	1/4	2,920.54	1/4	2,556.74
1/2		1/2		1/2		1/2	4,669.99	1/2	4,348.97	1/2	4,003.06	1/2	3,640.57	1/2	3,276.77	1/2	2,912.97	1/2	2,549.16
3/4		3/4		3/4		3/4	4,663.53	3/4	4,342.06	3/4	3,995.65	3/4	3,632.99	3/4	3,269.19	3/4	2,905.39	3/4	2,541.58
8		8		8		8	4,657.03	8	4,335.06	8	3,988.19	8	3,625.41	8	3,261.61	8	2,897.81	8	2,534.01
1/4		1/4		1/4		1/4	4,650.53	1/4	4,328.06	1/4	3,980.74	1/4	3,617.83	1/4	3,254.03	1/4	2,890.23	1/4	2,526.43
1/2		1/2		1/2		1/2	4,644.04	1/2	4,321.07	1/2	3,973.28	1/2	3,610.25	1/2	3,246.45	1/2	2,882.65	1/2	2,518.85
3/4		3/4		3/4		3/4	4,637.54	3/4	4,314.07	3/4	3,965.83	3/4	3,602.67	3/4	3,238.87	3/4	2,875.07	3/4	2,511.27
9		9		9		9	4,631.01	9	4,307.02	9	3,958.34	9	3,595.09	9	3,231.29	9	2,867.49	9	2,503.69
1/4		1/4		1/4		1/4	4,624.47	1/4	4,299.96	1/4	3,950.85	1/4	3,587.51	1/4	3,223.71	1/4	2,859.91	1/4	2,496.11
1/2		1/2		1/2		1/2	4,617.94	1/2	4,292.91	1/2	3,943.36	1/2	3,579.94	1/2	3,216.13	1/2	2,852.33	1/2	2,488.53
3/4		3/4		3/4		3/4	4,611.41	3/4	4,285.85	3/4	3,935.87	3/4	3,572.36	3/4	3,208.55	3/4	2,844.75	3/4	2,480.95
10		10		10		10	4,604.84	10	4,278.76	10	3,928.34	10	3,564.78	10	3,200.98	10	2,837.17	10	2,473.37
1/4		1/4		1/4		1/4	4,598.26	1/4	4,271.67	1/4	3,920.81	1/4	3,557.20	1/4	3,193.40	1/4	2,829.59	1/4	2,465.79
1/2		1/2		1/2		1/2	4,591.69	1/2	4,264.58	1/2	3,913.28	1/2	3,549.62	1/2	3,185.82	1/2	2,822.02	1/2	2,458.21
3/4		3/4		3/4		3/4	4,585.12	3/4	4,257.49	3/4	3,905.75	3/4	3,542.04	3/4	3,178.24	3/4	2,814.44	3/4	2,450.63
11		11		11		11	4,578.51	11	4,250.36	11	3,898.19	11	3,534.46	11	3,170.66	11	2,806.86	11	2,443.06
1/4		1/4		1/4		1/4	4,571.91	1/4	4,243.23	1/4	3,890.63	1/4	3,526.88	1/4	3,163.08	1/4	2,799.28	1/4	2,435.48
1/2		1/2		1/2		1/2	4,565.30	1/2	4,236.10	1/2	3,883.08	1/2	3,519.30	1/2	3,155.50	1/2	2,791.70	1/2	2,427.90
3/4		3/4		3/4		3/4	4,558.69	3/4	4,228.97	3/4	3,875.52	3/4	3,511.72	3/4	3,147.92	3/4	2,784.12	3/4	2,420.32

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'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 28085"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	2,412.74	0	2,048.94	0	1,685.12	0	1,325.19	0	962.35	0	598.65	0	234.80	0		0		0	
1/4	2,405.16	1/4	2,041.36	1/4	1,677.54	1/4	1,317.61	1/4	954.80	1/4	591.07	1/4	227.22	1/4		1/4		1/4	
1/2	2,397.58	1/2	2,033.78	1/2	1,669.96	1/2	1,310.03	1/2	947.25	1/2	583.49	1/2	219.64	1/2		1/2		1/2	
3/4	2,390.00	3/4	2,026.20	3/4	1,662.38	3/4	1,302.45	3/4	939.69	3/4	575.91	3/4	212.06	3/4		3/4		3/4	
1	2,382.42	1	2,018.62	1	1,654.81	1	1,294.87	1	932.13	1	568.33	1	204.48	1		1		1	
1/4	2,374.84	1/4	2,011.04	1/4	1,647.23	1/4	1,287.29	1/4	924.56	1/4	560.75	1/4	196.90	1/4		1/4		1/4	
1/2	2,367.26	1/2	2,003.46	1/2	1,639.65	1/2	1,279.71	1/2	916.99	1/2	553.17	1/2	189.33	1/2		1/2		1/2	
3/4	2,359.68	3/4	1,995.88	3/4	1,632.07	3/4	1,272.13	3/4	909.42	3/4	545.59	3/4	181.75	3/4		3/4		3/4	
2	2,352.10	2	1,988.30	2	1,624.49	2	1,264.55	2	901.84	2	538.01	2	174.18	2		2		2	
1/4	2,344.53	1/4	1,980.72	1/4	1,616.91	1/4	1,256.97	1/4	894.26	1/4	530.43	1/4	166.61	1/4		1/4		1/4	
1/2	2,336.95	1/2	1,973.14	1/2	1,609.33	1/2	1,249.39	1/2	886.68	1/2	522.85	1/2	159.04	1/2		1/2		1/2	
3/4	2,329.37	3/4	1,965.56	3/4	1,601.75	3/4	1,241.81	3/4	879.10	3/4	515.27	3/4	151.47	3/4		3/4		3/4	
3	2,321.79	3	1,957.98	3	1,594.17	3	1,234.24	3	871.52	3	507.69	3	143.91	3		3		3	
1/4	2,314.21	1/4	1,950.40	1/4	1,586.59	1/4	1,226.68	1/4	863.94	1/4	500.11	1/4	136.35	1/4		1/4		1/4	
1/2	2,306.63	1/2	1,942.82	1/2	1,579.01	1/2	1,219.11	1/2	856.36	1/2	492.53	1/2	128.79	1/2		1/2		1/2	
3/4	2,299.05	3/4	1,935.24	3/4	1,571.43	3/4	1,211.54	3/4	848.78	3/4	484.94	3/4	121.23	3/4		3/4		3/4	
4	2,291.47	4	1,927.66	4	1,563.93	4	1,203.99	4	841.21	4	477.36	4	113.69	4		4		4	
1/4	2,283.89	1/4	1,920.08	1/4	1,556.44	1/4	1,196.44	1/4	833.63	1/4	469.78	1/4	106.15	1/4		1/4		1/4	
1/2	2,276.31	1/2	1,912.51	1/2	1,548.94	1/2	1,188.88	1/2	826.05	1/2	462.20	1/2	98.62	1/2		1/2		1/2	
3/4	2,268.73	3/4	1,904.93	3/4	1,541.44	3/4	1,181.33	3/4	818.47	3/4	454.62	3/4	91.08	3/4		3/4		3/4	
5	2,261.15	5	1,897.35	5	1,534.02	5	1,173.78	5	810.89	5	447.04	5	83.57	5		5		5	
1/4	2,253.58	1/4	1,889.77	1/4	1,526.60	1/4	1,166.23	1/4	803.31	1/4	439.46	1/4	76.07	1/4		1/4		1/4	
1/2	2,246.00	1/2	1,882.19	1/2	1,519.19	1/2	1,158.68	1/2	795.73	1/2	431.88	1/2	68.56	1/2		1/2		1/2	
3/4	2,238.42	3/4	1,874.61	3/4	1,511.77	3/4	1,151.13	3/4	788.15	3/4	424.30	3/4	61.06	3/4		3/4		3/4	
6	2,230.84	6	1,867.03	6	1,504.35	6	1,143.58	6	780.57	6	416.72	6	54.16	6		6		6	
1/4	2,223.26	1/4	1,859.45	1/4	1,496.93	1/4	1,136.03	1/4	772.99	1/4	409.14	1/4	47.26	1/4		1/4		1/4	
1/2	2,215.68	1/2	1,851.87	1/2	1,489.52	1/2	1,128.47	1/2	765.41	1/2	401.56	1/2	40.36	1/2		1/2		1/2	
3/4	2,208.10	3/4	1,844.29	3/4	1,482.10	3/4	1,120.92	3/4	757.83	3/4	393.98	3/4	33.46	3/4		3/4		3/4	
7	2,200.52	7	1,836.71	7	1,474.68	7	1,113.37	7	750.25	7	386.40	7	28.41	7		7		7	
1/4	2,192.94	1/4	1,829.13	1/4	1,467.27	1/4	1,105.82	1/4	742.67	1/4	378.82	1/4	23.36	1/4		1/4		1/4	
1/2	2,185.36	1/2	1,821.55	1/2	1,459.85	1/2	1,098.27	1/2	735.09	1/2	371.24	1/2	18.31	1/2		1/2		1/2	
3/4	2,177.78	3/4	1,813.97	3/4	1,452.43	3/4	1,090.72	3/4	727.51	3/4	363.66	3/4	13.26	3/4		3/4		3/4	
8	2,170.20	8	1,806.39	8	1,445.01	8	1,083.17	8	719.93	8	356.08	8		8		8		8	
1/4	2,162.62	1/4	1,798.81	1/4	1,437.60	1/4	1,075.62	1/4	712.35	1/4	348.50	1/4		1/4		1/4		1/4	
1/2	2,155.05	1/2	1,791.23	1/2	1,430.18	1/2	1,068.07	1/2	704.77	1/2	340.92	1/2		1/2		1/2		1/2	
3/4	2,147.47	3/4	1,783.66	3/4	1,422.76	3/4	1,060.52	3/4	697.19	3/4	333.34	3/4		3/4		3/4		3/4	
9	2,139.89	9	1,776.08	9	1,415.34	9	1,052.97	9	689.61	9	325.76	9		9		9		9	
1/4	2,132.31	1/4	1,768.50	1/4	1,407.92	1/4	1,045.41	1/4	682.03	1/4	318.18	1/4		1/4		1/4		1/4	
1/2	2,124.73	1/2	1,760.92	1/2	1,400.51	1/2	1,037.86	1/2	674.45	1/2	310.60	1/2		1/2		1/2		1/2	
3/4	2,117.15	3/4	1,753.34	3/4	1,393.09	3/4	1,030.31	3/4	666.87	3/4	303.02	3/4		3/4		3/4		3/4	
10	2,109.57	10	1,745.76	10	1,385.59	10	1,022.76	10	659.29	10	295.44	10		10		10		10	
1/4	2,101.99	1/4	1,738.18	1/4	1,378.09	1/4	1,015.21	1/4	651.71	1/4	287.86	1/4		1/4		1/4		1/4	
1/2	2,094.41	1/2	1,730.60	1/2	1,370.59	1/2	1,007.66	1/2	644.13	1/2	280.28	1/2		1/2		1/2		1/2	
3/4	2,086.83	3/4	1,723.02	3/4	1,363.09	3/4	1,000.11	3/4	636.55	3/4	272.70	3/4		3/4		3/4		3/4	
11	2,079.25	11	1,715.44	11	1,355.51	11	992.56	11	628.97	11	265.12	11		11		11		11	
1/4	2,071.67	1/4	1,707.86	1/4	1,347.93	1/4	985.01	1/4	621.39	1/4	257.54	1/4		1/4		1/4		1/4	
1/2	2,064.10	1/2	1,700.28	1/2	1,340.35	1/2	977.46	1/2	613.81	1/2	249.96	1/2		1/2		1/2		1/2	
3/4	2,056.52	3/4	1,692.70	3/4	1,332.77	3/4	969.91	3/4	606.23	3/4	242.38	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2006 CL - SW
CALCULATED: 09/22/2006 CL
PRINTED: 09/22/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2006

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

BARGE "KIRBY 28085"

3 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,217.43	0	3,956.88	0	3,682.34	0	3,402.24	0	3,041.57	0	2,677.90
1/4		1/4		1/4		1/4		1/4	4,212.13	1/4	3,951.27	1/4	3,676.50	1/4	3,395.52	1/4	3,033.99	1/4	2,670.33
1/2		1/2		1/2		1/2	4,461.78	1/2	4,206.84	1/2	3,945.66	1/2	3,670.67	1/2	3,388.80	1/2	3,026.42	1/2	2,662.75
3/4		3/4		3/4		3/4	4,457.05	3/4	4,201.55	3/4	3,940.04	3/4	3,664.84	3/4	3,382.09	3/4	3,018.84	3/4	2,655.17
1		1		1		1	4,452.32	1	4,196.25	1	3,934.43	1	3,659.00	1	3,375.37	1	3,011.26	1	2,647.60
1/4		1/4		1/4		1/4	4,447.28	1/4	4,190.94	1/4	3,928.80	1/4	3,653.17	1/4	3,367.78	1/4	3,003.69	1/4	2,640.02
1/2		1/2		1/2		1/2	4,442.24	1/2	4,185.63	1/2	3,923.16	1/2	3,647.33	1/2	3,360.18	1/2	2,996.11	1/2	2,632.44
3/4		3/4		3/4		3/4	4,437.20	3/4	4,180.32	3/4	3,917.53	3/4	3,641.50	3/4	3,352.58	3/4	2,988.54	3/4	2,624.87
2		2		2		2	4,432.16	2	4,175.01	2	3,911.89	2	3,635.66	2	3,344.99	2	2,980.96	2	2,617.29
1/4		1/4		1/4		1/4	4,426.49	1/4	4,169.68	1/4	3,906.24	1/4	3,629.83	1/4	3,337.39	1/4	2,973.38	1/4	2,609.72
1/2		1/2		1/2		1/2	4,420.82	1/2	4,164.35	1/2	3,900.59	1/2	3,623.99	1/2	3,329.79	1/2	2,965.81	1/2	2,602.14
3/4		3/4		3/4		3/4	4,415.14	3/4	4,159.02	3/4	3,894.93	3/4	3,618.15	3/4	3,322.20	3/4	2,958.23	3/4	2,594.56
3		3		3		3	4,409.47	3	4,153.69	3	3,889.28	3	3,612.32	3	3,314.60	3	2,950.65	3	2,586.99
1/4		1/4		1/4		1/4	4,403.72	1/4	4,148.34	1/4	3,883.61	1/4	3,606.48	1/4	3,307.00	1/4	2,943.08	1/4	2,579.41
1/2		1/2		1/2		1/2	4,397.97	1/2	4,142.99	1/2	3,877.94	1/2	3,600.65	1/2	3,299.41	1/2	2,935.50	1/2	2,571.83
3/4		3/4		3/4		3/4	4,392.22	3/4	4,137.64	3/4	3,872.26	3/4	3,594.81	3/4	3,291.81	3/4	2,927.92	3/4	2,564.26
4		4		4		4	4,386.47	4	4,132.29	4	3,866.59	4	3,588.98	4	3,284.22	4	2,920.35	4	2,556.68
1/4		1/4		1/4		1/4	4,380.86	1/4	4,126.92	1/4	3,860.90	1/4	3,583.14	1/4	3,276.62	1/4	2,912.77	1/4	2,549.10
1/2		1/2		1/2		1/2	4,375.26	1/2	4,121.55	1/2	3,855.21	1/2	3,577.30	1/2	3,269.02	1/2	2,905.20	1/2	2,541.53
3/4		3/4		3/4		3/4	4,369.66	3/4	4,116.18	3/4	3,849.52	3/4	3,571.47	3/4	3,261.43	3/4	2,897.62	3/4	2,533.95
5		5		5		5	4,364.06	5	4,110.82	5	3,843.83	5	3,565.63	5	3,253.83	5	2,890.04	5	2,526.38
1/4		1/4		1/4		1/4	4,358.75	1/4	4,105.43	1/4	3,838.13	1/4	3,559.80	1/4	3,246.23	1/4	2,882.47	1/4	2,518.80
1/2		1/2		1/2		1/2	4,353.44	1/2	4,100.04	1/2	3,832.42	1/2	3,553.96	1/2	3,238.64	1/2	2,874.89	1/2	2,511.22
3/4		3/4		3/4		3/4	4,348.13	3/4	4,094.65	3/4	3,826.71	3/4	3,548.13	3/4	3,231.04	3/4	2,867.31	3/4	2,503.65
6		6		6		6	4,342.82	6	4,089.26	6	3,821.00	6	3,542.29	6	3,223.44	6	2,859.74	6	2,496.07
1/4		1/4		1/4		1/4	4,337.65	1/4	4,083.85	1/4	3,815.27	1/4	3,536.46	1/4	3,215.86	1/4	2,852.16	1/4	2,488.49
1/2		1/2		1/2		1/2	4,332.47	1/2	4,078.44	1/2	3,809.54	1/2	3,530.62	1/2	3,208.27	1/2	2,844.58	1/2	2,480.92
3/4		3/4		3/4		3/4	4,327.30	3/4	4,073.03	3/4	3,803.82	3/4	3,524.78	3/4	3,200.68	3/4	2,837.01	3/4	2,473.34
7		7		7		7	4,322.12	7	4,067.62	7	3,798.09	7	3,518.95	7	3,193.10	7	2,829.43	7	2,465.76
1/4		1/4		1/4		1/4	4,316.93	1/4	4,062.17	1/4	3,792.34	1/4	3,513.11	1/4	3,185.52	1/4	2,821.85	1/4	2,458.19
1/2		1/2		1/2		1/2	4,311.73	1/2	4,056.72	1/2	3,786.59	1/2	3,507.28	1/2	3,177.95	1/2	2,814.28	1/2	2,450.61
3/4		3/4		3/4		3/4	4,306.54	3/4	4,051.27	3/4	3,780.84	3/4	3,501.44	3/4	3,170.37	3/4	2,806.70	3/4	2,443.03
8		8		8		8	4,301.34	8	4,045.82	8	3,775.09	8	3,495.61	8	3,162.79	8	2,799.13	8	2,435.46
1/4		1/4		1/4		1/4	4,296.13	1/4	4,040.31	1/4	3,769.33	1/4	3,489.77	1/4	3,155.22	1/4	2,791.55	1/4	2,427.88
1/2		1/2		1/2		1/2	4,290.91	1/2	4,034.79	1/2	3,763.56	1/2	3,483.94	1/2	3,147.64	1/2	2,783.97	1/2	2,420.31
3/4		3/4		3/4		3/4	4,285.70	3/4	4,029.28	3/4	3,757.79	3/4	3,478.10	3/4	3,140.06	3/4	2,776.40	3/4	2,412.73
9		9		9		9	4,280.48	9	4,023.77	9	3,752.02	9	3,472.26	9	3,132.49	9	2,768.82	9	2,405.15
1/4		1/4		1/4		1/4	4,275.25	1/4	4,018.21	1/4	3,746.23	1/4	3,466.43	1/4	3,124.91	1/4	2,761.24	1/4	2,397.58
1/2		1/2		1/2		1/2	4,270.01	1/2	4,012.66	1/2	3,740.44	1/2	3,460.59	1/2	3,117.33	1/2	2,753.67	1/2	2,390.00
3/4		3/4		3/4		3/4	4,264.78	3/4	4,007.11	3/4	3,734.66	3/4	3,454.76	3/4	3,109.76	3/4	2,746.09	3/4	2,382.42
10		10		10		10	4,259.54	10	4,001.55	10	3,728.87	10	3,448.92	10	3,102.18	10	2,738.51	10	2,374.85
1/4		1/4		1/4		1/4	4,254.29	1/4	3,995.98	1/4	3,723.06	1/4	3,443.09	1/4	3,094.61	1/4	2,730.94	1/4	2,367.27
1/2		1/2		1/2		1/2	4,249.04	1/2	3,990.41	1/2	3,717.25	1/2	3,437.25	1/2	3,087.03	1/2	2,723.36	1/2	2,359.69
3/4		3/4		3/4		3/4	4,243.78	3/4	3,984.83	3/4	3,711.44	3/4	3,431.41	3/4	3,079.45	3/4	2,715.79	3/4	2,352.12
11		11		11		11	4,238.53	11	3,979.26	11	3,705.64	11	3,425.58	11	3,071.88	11	2,708.21	11	2,344.54
1/4		1/4		1/4		1/4	4,233.25	1/4	3,973.66	1/4	3,699.81	1/4	3,419.74	1/4	3,064.30	1/4	2,700.63	1/4	2,336.97
1/2		1/2		1/2		1/2	4,227.98	1/2	3,968.07	1/2	3,693.99	1/2	3,413.91	1/2	3,056.72	1/2	2,693.06	1/2	2,329.39
3/4		3/4		3/4		3/4	4,222.70	3/4	3,962.48	3/4	3,688.16	3/4	3,408.07	3/4	3,049.15	3/4	2,685.48	3/4	2,321.81

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 28085"

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,314.24	0	1,950.57	0	1,586.94	0	1,227.80	0	873.05	0	516.54	0	151.86	0		0		0	
1/4	2,306.66	1/4	1,942.99	1/4	1,579.39	1/4	1,220.24	1/4	865.69	1/4	508.94	1/4	144.58	1/4		1/4		1/4	
1/2	2,299.08	1/2	1,935.42	1/2	1,571.83	1/2	1,212.68	1/2	858.33	1/2	501.34	1/2	137.30	1/2		1/2		1/2	
3/4	2,291.51	3/4	1,927.84	3/4	1,564.28	3/4	1,205.12	3/4	850.97	3/4	493.74	3/4	130.02	3/4		3/4		3/4	
1	2,283.93	1	1,920.26	1	1,556.73	1	1,197.56	1	843.61	1	486.15	1	122.74	1		1		1	
1/4	2,276.35	1/4	1,912.69	1/4	1,549.17	1/4	1,190.00	1/4	836.23	1/4	478.55	1/4	116.41	1/4		1/4		1/4	
1/2	2,268.78	1/2	1,905.11	1/2	1,541.62	1/2	1,182.44	1/2	828.86	1/2	470.95	1/2	110.08	1/2		1/2		1/2	
3/4	2,261.20	3/4	1,897.53	3/4	1,534.07	3/4	1,174.88	3/4	821.48	3/4	463.36	3/4	103.75	3/4		3/4		3/4	
2	2,253.62	2	1,889.96	2	1,526.51	2	1,167.31	2	814.11	2	455.76	2	97.42	2		2		2	
1/4	2,246.05	1/4	1,882.38	1/4	1,518.96	1/4	1,159.86	1/4	806.72	1/4	448.16	1/4	92.36	1/4		1/4		1/4	
1/2	2,238.47	1/2	1,874.80	1/2	1,511.41	1/2	1,152.40	1/2	799.34	1/2	440.56	1/2	87.30	1/2		1/2		1/2	
3/4	2,230.90	3/4	1,867.23	3/4	1,503.85	3/4	1,144.95	3/4	791.95	3/4	432.97	3/4	82.24	3/4		3/4		3/4	
3	2,223.32	3	1,859.65	3	1,496.30	3	1,137.49	3	784.56	3	425.37	3	77.19	3		3		3	
1/4	2,215.74	1/4	1,852.07	1/4	1,488.75	1/4	1,130.14	1/4	777.18	1/4	417.77	1/4	73.40	1/4		1/4		1/4	
1/2	2,208.17	1/2	1,844.50	1/2	1,481.20	1/2	1,122.80	1/2	769.79	1/2	410.17	1/2	69.62	1/2		1/2		1/2	
3/4	2,200.59	3/4	1,836.92	3/4	1,473.64	3/4	1,115.45	3/4	762.40	3/4	402.58	3/4	65.84	3/4		3/4		3/4	
4	2,193.01	4	1,829.34	4	1,466.09	4	1,108.10	4	755.02	4	394.98	4	62.06	4		4		4	
1/4	2,185.44	1/4	1,821.77	1/4	1,458.62	1/4	1,100.76	1/4	747.63	1/4	387.38	1/4	59.56	1/4		1/4		1/4	
1/2	2,177.86	1/2	1,814.19	1/2	1,451.14	1/2	1,093.42	1/2	740.24	1/2	379.78	1/2	57.07	1/2		1/2		1/2	
3/4	2,170.28	3/4	1,806.61	3/4	1,443.67	3/4	1,086.08	3/4	732.86	3/4	372.19	3/4	54.57	3/4		3/4		3/4	
5	2,162.71	5	1,799.04	5	1,436.20	5	1,078.73	5	725.47	5	364.59	5	52.07	5		5		5	
1/4	2,155.13	1/4	1,791.46	1/4	1,428.80	1/4	1,071.40	1/4	718.08	1/4	356.99	1/4	50.88	1/4		1/4		1/4	
1/2	2,147.56	1/2	1,783.88	1/2	1,421.39	1/2	1,064.06	1/2	710.70	1/2	349.39	1/2	49.68	1/2		1/2		1/2	
3/4	2,139.98	3/4	1,776.31	3/4	1,413.99	3/4	1,056.72	3/4	703.31	3/4	341.80	3/4	48.48	3/4		3/4		3/4	
6	2,132.40	6	1,768.73	6	1,406.59	6	1,049.38	6	695.92	6	334.20	6	47.28	6		6		6	
1/4	2,124.83	1/4	1,761.15	1/4	1,399.17	1/4	1,042.04	1/4	688.54	1/4	326.60	1/4		1/4		1/4		1/4	
1/2	2,117.25	1/2	1,753.58	1/2	1,391.76	1/2	1,034.70	1/2	681.15	1/2	319.00	1/2		1/2		1/2		1/2	
3/4	2,109.67	3/4	1,746.00	3/4	1,384.34	3/4	1,027.36	3/4	673.77	3/4	311.41	3/4		3/4		3/4		3/4	
7	2,102.10	7	1,738.42	7	1,376.93	7	1,020.02	7	666.38	7	303.81	7		7		7		7	
1/4	2,094.52	1/4	1,730.85	1/4	1,369.51	1/4	1,012.68	1/4	658.99	1/4	296.21	1/4		1/4		1/4		1/4	
1/2	2,086.94	1/2	1,723.27	1/2	1,362.09	1/2	1,005.34	1/2	651.61	1/2	288.61	1/2		1/2		1/2		1/2	
3/4	2,079.37	3/4	1,715.69	3/4	1,354.68	3/4	998.00	3/4	644.22	3/4	281.02	3/4		3/4		3/4		3/4	
8	2,071.79	8	1,708.12	8	1,347.26	8	990.66	8	636.83	8	273.42	8		8		8		8	
1/4	2,064.21	1/4	1,700.54	1/4	1,339.85	1/4	983.32	1/4	629.45	1/4	265.82	1/4		1/4		1/4		1/4	
1/2	2,056.64	1/2	1,692.96	1/2	1,332.43	1/2	975.98	1/2	622.06	1/2	258.23	1/2		1/2		1/2		1/2	
3/4	2,049.06	3/4	1,685.39	3/4	1,325.02	3/4	968.64	3/4	614.67	3/4	250.63	3/4		3/4		3/4		3/4	
9	2,041.49	9	1,677.81	9	1,317.60	9	961.30	9	607.29	9	243.03	9		9		9		9	
1/4	2,033.91	1/4	1,670.23	1/4	1,310.19	1/4	953.95	1/4	599.79	1/4	235.43	1/4		1/4		1/4		1/4	
1/2	2,026.33	1/2	1,662.66	1/2	1,302.79	1/2	946.61	1/2	592.30	1/2	227.84	1/2		1/2		1/2		1/2	
3/4	2,018.76	3/4	1,655.08	3/4	1,295.38	3/4	939.26	3/4	584.81	3/4	220.24	3/4		3/4		3/4		3/4	
10	2,011.18	10	1,647.50	10	1,287.97	10	931.91	10	577.32	10	212.64	10		10		10		10	
1/4	2,003.60	1/4	1,639.93	1/4	1,280.49	1/4	924.55	1/4	569.72	1/4	205.04	1/4		1/4		1/4		1/4	
1/2	1,996.03	1/2	1,632.35	1/2	1,273.01	1/2	917.19	1/2	562.12	1/2	197.45	1/2		1/2		1/2		1/2	
3/4	1,988.45	3/4	1,624.77	3/4	1,265.53	3/4	909.83	3/4	554.52	3/4	189.85	3/4		3/4		3/4		3/4	
11	1,980.87	11	1,617.20	11	1,258.05	11	902.48	11	546.93	11	182.25	11		11		11		11	
1/4	1,973.30	1/4	1,609.63	1/4	1,250.49	1/4	895.12	1/4	539.33	1/4	174.65	1/4		1/4		1/4		1/4	
1/2	1,965.72	1/2	1,602.07	1/2	1,242.93	1/2	887.76	1/2	531.73	1/2	167.06	1/2		1/2		1/2		1/2	
3/4	1,958.15	3/4	1,594.50	3/4	1,235.37	3/4	880.40	3/4	524.13	3/4	159.46	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2006 CL - SW
CALCULATED: 09/22/2006 CL
PRINTED: 09/22/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2006

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

BARGE "KIRBY 28085"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,494.13	0	4,240.31	0	3,979.77	0	3,705.22	0	3,425.12	0	3,064.01	0	2,699.38
1/4		1/4		1/4		1/4	4,489.40	1/4	4,235.02	1/4	3,974.15	1/4	3,699.39	1/4	3,418.40	1/4	3,056.41	1/4	2,691.79
1/2		1/2		1/2		1/2	4,484.67	1/2	4,229.72	1/2	3,968.54	1/2	3,693.55	1/2	3,411.69	1/2	3,048.82	1/2	2,684.19
3/4		3/4		3/4		3/4	4,479.93	3/4	4,224.43	3/4	3,962.93	3/4	3,687.72	3/4	3,404.97	3/4	3,041.22	3/4	2,676.59
1		1		1		1	4,475.20	1	4,219.14	1	3,957.31	1	3,681.89	1	3,398.25	1	3,033.62	1	2,669.00
1/4		1/4		1/4		1/4	4,470.16	1/4	4,213.83	1/4	3,951.68	1/4	3,676.05	1/4	3,390.66	1/4	3,026.03	1/4	2,661.40
1/2		1/2		1/2		1/2	4,465.12	1/2	4,208.52	1/2	3,946.05	1/2	3,670.22	1/2	3,383.06	1/2	3,018.43	1/2	2,653.80
3/4		3/4		3/4		3/4	4,460.08	3/4	4,203.20	3/4	3,940.41	3/4	3,664.38	3/4	3,375.46	3/4	3,010.84	3/4	2,646.21
2		2		2		2	4,455.04	2	4,197.89	2	3,934.78	2	3,658.54	2	3,367.87	2	3,003.24	2	2,638.61
1/4		1/4		1/4		1/4	4,449.37	1/4	4,192.56	1/4	3,929.13	1/4	3,652.71	1/4	3,360.27	1/4	2,995.64	1/4	2,631.02
1/2		1/2		1/2		1/2	4,443.70	1/2	4,187.23	1/2	3,923.47	1/2	3,646.87	1/2	3,352.67	1/2	2,988.05	1/2	2,623.42
3/4		3/4		3/4		3/4	4,438.03	3/4	4,181.90	3/4	3,917.82	3/4	3,641.04	3/4	3,345.08	3/4	2,980.45	3/4	2,615.82
3		3		3		3	4,432.35	3	4,176.58	3	3,912.16	3	3,635.20	3	3,337.48	3	2,972.85	3	2,608.23
1/4		1/4		1/4		1/4	4,426.60	1/4	4,171.23	1/4	3,906.49	1/4	3,629.37	1/4	3,329.88	1/4	2,965.26	1/4	2,600.63
1/2		1/2		1/2		1/2	4,420.85	1/2	4,165.88	1/2	3,900.82	1/2	3,623.53	1/2	3,322.29	1/2	2,957.66	1/2	2,593.03
3/4		3/4		3/4		3/4	4,415.10	3/4	4,160.53	3/4	3,895.15	3/4	3,617.70	3/4	3,314.69	3/4	2,950.06	3/4	2,585.44
4		4		4		4	4,409.35	4	4,155.18	4	3,889.48	4	3,611.86	4	3,307.10	4	2,942.47	4	2,577.84
1/4		1/4		1/4		1/4	4,403.75	1/4	4,149.81	1/4	3,883.79	1/4	3,606.02	1/4	3,299.50	1/4	2,934.87	1/4	2,570.24
1/2		1/2		1/2		1/2	4,398.15	1/2	4,144.44	1/2	3,878.10	1/2	3,600.19	1/2	3,291.90	1/2	2,927.28	1/2	2,562.65
3/4		3/4		3/4		3/4	4,392.54	3/4	4,139.07	3/4	3,872.41	3/4	3,594.35	3/4	3,284.31	3/4	2,919.68	3/4	2,555.05
5		5		5		5	4,386.94	5	4,133.70	5	3,866.72	5	3,588.52	5	3,276.71	5	2,912.08	5	2,547.46
1/4		1/4		1/4		1/4	4,381.63	1/4	4,128.31	1/4	3,861.01	1/4	3,582.68	1/4	3,269.11	1/4	2,904.49	1/4	2,539.86
1/2		1/2		1/2		1/2	4,376.32	1/2	4,122.92	1/2	3,855.30	1/2	3,576.85	1/2	3,261.52	1/2	2,896.89	1/2	2,532.26
3/4		3/4		3/4		3/4	4,371.02	3/4	4,117.53	3/4	3,849.59	3/4	3,571.01	3/4	3,253.92	3/4	2,889.29	3/4	2,524.67
6		6		6		6	4,365.71	6	4,112.14	6	3,843.88	6	3,565.18	6	3,246.32	6	2,881.70	6	2,517.07
1/4		1/4		1/4		1/4	4,360.53	1/4	4,106.73	1/4	3,838.16	1/4	3,559.34	1/4	3,238.73	1/4	2,874.10	1/4	2,509.47
1/2		1/2		1/2		1/2	4,355.36	1/2	4,101.32	1/2	3,832.43	1/2	3,553.50	1/2	3,231.13	1/2	2,866.50	1/2	2,501.88
3/4		3/4		3/4		3/4	4,350.18	3/4	4,095.91	3/4	3,826.70	3/4	3,547.67	3/4	3,223.53	3/4	2,858.91	3/4	2,494.28
7		7		7		7	4,345.01	7	4,090.50	7	3,820.97	7	3,541.83	7	3,215.94	7	2,851.31	7	2,486.68
1/4		1/4		1/4		1/4	4,339.81	1/4	4,085.05	1/4	3,815.22	1/4	3,536.00	1/4	3,208.34	1/4	2,843.71	1/4	2,479.09
1/2		1/2		1/2		1/2	4,334.62	1/2	4,079.60	1/2	3,809.47	1/2	3,530.16	1/2	3,200.75	1/2	2,836.12	1/2	2,471.49
3/4		3/4		3/4		3/4	4,329.42	3/4	4,074.15	3/4	3,803.73	3/4	3,524.33	3/4	3,193.15	3/4	2,828.52	3/4	2,463.89
8		8		8		8	4,324.23	8	4,068.70	8	3,797.98	8	3,518.49	8	3,185.55	8	2,820.93	8	2,456.30
1/4		1/4		1/4		1/4	4,319.01	1/4	4,063.19	1/4	3,792.21	1/4	3,512.65	1/4	3,177.96	1/4	2,813.33	1/4	2,448.70
1/2		1/2		1/2		1/2	4,313.80	1/2	4,057.68	1/2	3,786.44	1/2	3,506.82	1/2	3,170.36	1/2	2,805.73	1/2	2,441.11
3/4		3/4		3/4		3/4	4,308.58	3/4	4,052.16	3/4	3,780.67	3/4	3,500.98	3/4	3,162.76	3/4	2,798.14	3/4	2,433.51
9		9		9		9	4,303.37	9	4,046.65	9	3,774.90	9	3,495.15	9	3,155.17	9	2,790.54	9	2,425.91
1/4		1/4		1/4		1/4	4,298.13	1/4	4,041.10	1/4	3,769.12	1/4	3,489.31	1/4	3,147.57	1/4	2,782.94	1/4	2,418.32
1/2		1/2		1/2		1/2	4,292.90	1/2	4,035.54	1/2	3,763.33	1/2	3,483.48	1/2	3,139.97	1/2	2,775.35	1/2	2,410.72
3/4		3/4		3/4		3/4	4,287.66	3/4	4,029.99	3/4	3,757.54	3/4	3,477.64	3/4	3,132.38	3/4	2,767.75	3/4	2,403.12
10		10		10		10	4,282.43	10	4,024.44	10	3,751.75	10	3,471.81	10	3,124.78	10	2,760.15	10	2,395.53
1/4		1/4		1/4		1/4	4,277.17	1/4	4,018.86	1/4	3,745.94	1/4	3,465.97	1/4	3,117.19	1/4	2,752.56	1/4	2,387.93
1/2		1/2		1/2		1/2	4,271.92	1/2	4,013.29	1/2	3,740.14	1/2	3,460.13	1/2	3,109.59	1/2	2,744.96	1/2	2,380.33
3/4		3/4		3/4		3/4	4,266.66	3/4	4,007.72	3/4	3,734.33	3/4	3,454.30	3/4	3,101.99	3/4	2,737.37	3/4	2,372.74
11		11		11		11	4,261.41	11	4,002.14	11	3,728.52	11	3,448.46	11	3,094.40	11	2,729.77	11	2,365.14
1/4		1/4		1/4		1/4	4,256.13	1/4	3,996.55	1/4	3,722.70	1/4	3,442.63	1/4	3,086.80	1/4	2,722.17	1/4	2,357.55
1/2		1/2		1/2		1/2	4,250.86	1/2	3,990.95	1/2	3,716.87	1/2	3,436.79	1/2	3,079.20	1/2	2,714.58	1/2	2,349.95
3/4		3/4		3/4		3/4	4,245.59	3/4	3,985.36	3/4	3,711.05	3/4	3,430.96	3/4	3,071.61	3/4	2,706.98	3/4	2,342.35

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'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 28085"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,334.76	0	1,970.13	0	1,605.49	0	1,244.73	0	881.04	0	516.54	0	151.86	0		0		0	
1/4	2,327.16	1/4	1,962.53	1/4	1,597.89	1/4	1,237.14	1/4	873.47	1/4	508.94	1/4	144.58	1/4		1/4		1/4	
1/2	2,319.56	1/2	1,954.93	1/2	1,590.30	1/2	1,229.54	1/2	865.90	1/2	501.34	1/2	137.30	1/2		1/2		1/2	
3/4	2,311.97	3/4	1,947.34	3/4	1,582.70	3/4	1,221.94	3/4	858.33	3/4	493.74	3/4	130.02	3/4		3/4		3/4	
1	2,304.37	1	1,939.74	1	1,575.10	1	1,214.34	1	850.76	1	486.15	1	122.74	1		1		1	
1/4	2,296.77	1/4	1,932.14	1/4	1,567.51	1/4	1,206.75	1/4	843.18	1/4	478.55	1/4	116.41	1/4		1/4		1/4	
1/2	2,289.18	1/2	1,924.55	1/2	1,559.91	1/2	1,199.15	1/2	835.59	1/2	470.95	1/2	110.08	1/2		1/2		1/2	
3/4	2,281.58	3/4	1,916.95	3/4	1,552.31	3/4	1,191.55	3/4	828.01	3/4	463.36	3/4	103.75	3/4		3/4		3/4	
2	2,273.98	2	1,909.35	2	1,544.72	2	1,183.95	2	820.42	2	455.76	2	97.42	2		2		2	
1/4	2,266.39	1/4	1,901.76	1/4	1,537.12	1/4	1,176.36	1/4	812.83	1/4	448.16	1/4	92.36	1/4		1/4		1/4	
1/2	2,258.79	1/2	1,894.16	1/2	1,529.52	1/2	1,168.76	1/2	805.23	1/2	440.56	1/2	87.30	1/2		1/2		1/2	
3/4	2,251.20	3/4	1,886.56	3/4	1,521.93	3/4	1,161.16	3/4	797.63	3/4	432.97	3/4	82.24	3/4		3/4		3/4	
3	2,243.60	3	1,878.97	3	1,514.33	3	1,153.56	3	790.03	3	425.37	3	77.19	3		3		3	
1/4	2,236.00	1/4	1,871.37	1/4	1,506.73	1/4	1,145.98	1/4	782.44	1/4	417.77	1/4	73.40	1/4		1/4		1/4	
1/2	2,228.41	1/2	1,863.77	1/2	1,499.14	1/2	1,138.40	1/2	774.84	1/2	410.17	1/2	69.62	1/2		1/2		1/2	
3/4	2,220.81	3/4	1,856.18	3/4	1,491.54	3/4	1,130.81	3/4	767.24	3/4	402.58	3/4	65.84	3/4		3/4		3/4	
4	2,213.21	4	1,848.58	4	1,483.94	4	1,123.23	4	759.65	4	394.98	4	62.06	4		4		4	
1/4	2,205.62	1/4	1,840.98	1/4	1,476.43	1/4	1,115.66	1/4	752.05	1/4	387.38	1/4	59.56	1/4		1/4		1/4	
1/2	2,198.02	1/2	1,833.39	1/2	1,468.91	1/2	1,108.09	1/2	744.45	1/2	379.78	1/2	57.07	1/2		1/2		1/2	
3/4	2,190.42	3/4	1,825.79	3/4	1,461.40	3/4	1,100.52	3/4	736.86	3/4	372.19	3/4	54.57	3/4		3/4		3/4	
5	2,182.83	5	1,818.19	5	1,453.88	5	1,092.95	5	729.26	5	364.59	5	52.07	5		5		5	
1/4	2,175.23	1/4	1,810.60	1/4	1,446.45	1/4	1,085.38	1/4	721.66	1/4	356.99	1/4	50.88	1/4		1/4		1/4	
1/2	2,167.64	1/2	1,803.00	1/2	1,439.01	1/2	1,077.81	1/2	714.06	1/2	349.39	1/2	49.68	1/2		1/2		1/2	
3/4	2,160.04	3/4	1,795.40	3/4	1,431.58	3/4	1,070.24	3/4	706.47	3/4	341.80	3/4	48.48	3/4		3/4		3/4	
6	2,152.44	6	1,787.81	6	1,424.14	6	1,062.67	6	698.87	6	334.20	6	47.28	6		6		6	
1/4	2,144.85	1/4	1,780.21	1/4	1,416.71	1/4	1,055.11	1/4	691.27	1/4	326.60	1/4		1/4		1/4		1/4	
1/2	2,137.25	1/2	1,772.61	1/2	1,409.27	1/2	1,047.54	1/2	683.68	1/2	319.00	1/2		1/2		1/2		1/2	
3/4	2,129.65	3/4	1,765.02	3/4	1,401.84	3/4	1,039.97	3/4	676.08	3/4	311.41	3/4		3/4		3/4		3/4	
7	2,122.06	7	1,757.42	7	1,394.40	7	1,032.40	7	668.48	7	303.81	7		7		7		7	
1/4	2,114.46	1/4	1,749.82	1/4	1,386.97	1/4	1,024.83	1/4	660.89	1/4	296.21	1/4		1/4		1/4		1/4	
1/2	2,106.86	1/2	1,742.23	1/2	1,379.54	1/2	1,017.27	1/2	653.29	1/2	288.61	1/2		1/2		1/2		1/2	
3/4	2,099.27	3/4	1,734.63	3/4	1,372.10	3/4	1,009.70	3/4	645.69	3/4	281.02	3/4		3/4		3/4		3/4	
8	2,091.67	8	1,727.03	8	1,364.67	8	1,002.13	8	638.09	8	273.42	8		8		8		8	
1/4	2,084.07	1/4	1,719.44	1/4	1,357.23	1/4	994.56	1/4	630.50	1/4	265.82	1/4		1/4		1/4		1/4	
1/2	2,076.48	1/2	1,711.84	1/2	1,349.80	1/2	986.99	1/2	622.90	1/2	258.23	1/2		1/2		1/2		1/2	
3/4	2,068.88	3/4	1,704.25	3/4	1,342.36	3/4	979.43	3/4	615.30	3/4	250.63	3/4		3/4		3/4		3/4	
9	2,061.29	9	1,696.65	9	1,334.93	9	971.86	9	607.71	9	243.03	9		9		9		9	
1/4	2,053.69	1/4	1,689.05	1/4	1,327.49	1/4	964.29	1/4	600.11	1/4	235.43	1/4		1/4		1/4		1/4	
1/2	2,046.09	1/2	1,681.46	1/2	1,320.06	1/2	956.72	1/2	592.51	1/2	227.84	1/2		1/2		1/2		1/2	
3/4	2,038.50	3/4	1,673.86	3/4	1,312.62	3/4	949.15	3/4	584.91	3/4	220.24	3/4		3/4		3/4		3/4	
10	2,030.90	10	1,666.26	10	1,305.19	10	941.58	10	577.32	10	212.64	10		10		10		10	
1/4	2,023.30	1/4	1,658.67	1/4	1,297.67	1/4	934.02	1/4	569.72	1/4	205.04	1/4		1/4		1/4		1/4	
1/2	2,015.71	1/2	1,651.07	1/2	1,290.15	1/2	926.45	1/2	562.12	1/2	197.45	1/2		1/2		1/2		1/2	
3/4	2,008.11	3/4	1,643.47	3/4	1,282.64	3/4	918.88	3/4	554.52	3/4	189.85	3/4		3/4		3/4		3/4	
11	2,000.51	11	1,635.88	11	1,275.12	11	911.31	11	546.93	11	182.25	11		11		11		11	
1/4	1,992.92	1/4	1,628.28	1/4	1,267.52	1/4	903.74	1/4	539.33	1/4	174.65	1/4		1/4		1/4		1/4	
1/2	1,985.32	1/2	1,620.68	1/2	1,259.93	1/2	896.18	1/2	531.73	1/2	167.06	1/2		1/2		1/2		1/2	
3/4	1,977.73	3/4	1,613.09	3/4	1,252.33	3/4	888.61	3/4	524.13	3/4	159.46	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2006 CL - SW
CALCULATED: 09/22/2006 CL
PRINTED: 09/22/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2006

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