



BARGE "KIRBY 28068"

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	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/4	- 03-1/4
1 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/4	- 03-1/4
2 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-5/8	- 02-5/8	03-1/4	- 03-1/4
2 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/4	- 03-1/4
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-5/8	- 02-5/8	03-1/4	- 03-1/4
3 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-5/8	- 02-5/8	03-1/4	- 03-1/4

(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)

LENGTH BETWEEN DRAFT MARKS: 241'-09"

October 1, 2004

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
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THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 01-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-10 7/8"



BARGE "KIRBY 28068"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	0	0	0	4,827.73	0	4,502.87	0	4,170.41	0	3,814.31	0	3,448.65	0	3,082.97	0	2,717.30	
1/4	1/4	1/4	1/4	1/4	1/4	4,822.10	1/4	4,496.20	1/4	4,163.20	1/4	3,806.70	1/4	3,441.03	1/4	3,075.36	1/4	2,709.68	
1/2	1/2	1/2	1/2	1/2	1/2	4,816.47	1/2	4,489.52	1/2	4,156.00	1/2	3,799.09	1/2	3,433.41	1/2	3,067.74	1/2	2,702.06	
3/4	3/4	3/4	3/4	3/4	3/4	4,809.66	3/4	4,482.81	3/4	4,148.76	3/4	3,791.47	3/4	3,425.79	3/4	3,060.12	3/4	2,694.45	
1	1	1	1	1	1	4,802.84	1	4,476.10	1	4,141.52	1	3,783.85	1	3,418.18	1	3,052.50	1	2,686.83	
1/4	1/4	1/4	1/4	1/4	1/4	4,796.02	1/4	4,469.39	1/4	4,134.28	1/4	3,776.23	1/4	3,410.56	1/4	3,044.88	1/4	2,679.21	
1/2	1/2	1/2	1/2	1/2	1/2	4,789.20	1/2	4,462.68	1/2	4,127.04	1/2	3,768.61	1/2	3,402.94	1/2	3,037.27	1/2	2,671.59	
3/4	3/4	3/4	3/4	3/4	3/4	4,781.74	3/4	4,455.94	3/4	4,119.76	3/4	3,760.99	3/4	3,395.32	3/4	3,029.65	3/4	2,663.97	
2	2	2	2	2	2	4,774.29	2	4,449.19	2	4,112.49	2	3,753.38	2	3,387.70	2	3,022.03	2	2,656.36	
1/4	1/4	1/4	1/4	1/4	1/4	4,766.84	1/4	4,442.45	1/4	4,105.21	1/4	3,745.76	1/4	3,380.08	1/4	3,014.41	1/4	2,648.74	
1/2	1/2	1/2	1/2	1/2	1/2	4,759.38	1/2	4,435.70	1/2	4,097.93	1/2	3,738.14	1/2	3,372.47	1/2	3,006.79	1/2	2,641.12	
3/4	3/4	3/4	3/4	3/4	3/4	4,751.85	3/4	4,428.92	3/4	4,090.62	3/4	3,730.52	3/4	3,364.85	3/4	2,999.17	3/4	2,633.50	
3	3	3	3	3	3	4,744.31	3	4,422.14	3	4,083.31	3	3,722.90	3	3,357.23	3	2,991.56	3	2,625.88	
1/4	1/4	1/4	1/4	1/4	1/4	4,736.78	1/4	4,415.35	1/4	4,075.99	1/4	3,715.28	1/4	3,349.61	1/4	2,983.94	1/4	2,618.26	
1/2	1/2	1/2	1/2	1/2	1/2	4,729.25	1/2	4,408.57	1/2	4,068.68	1/2	3,707.67	1/2	3,341.99	1/2	2,976.32	1/2	2,610.65	
3/4	3/4	3/4	3/4	3/4	3/4	4,721.99	3/4	4,401.75	3/4	4,061.34	3/4	3,700.05	3/4	3,334.37	3/4	2,968.70	3/4	2,603.03	
4	4	4	4	4	4	4,714.74	4	4,394.93	4	4,053.99	4	3,692.43	4	3,326.76	4	2,961.08	4	2,595.41	
1/4	1/4	1/4	1/4	1/4	1/4	4,707.48	1/4	4,388.11	1/4	4,046.65	1/4	3,684.81	1/4	3,319.14	1/4	2,953.46	1/4	2,587.79	
1/2	1/2	1/2	1/2	1/2	1/2	4,700.23	1/2	4,381.29	1/2	4,039.30	1/2	3,677.19	1/2	3,311.52	1/2	2,945.85	1/2	2,580.17	
3/4	3/4	3/4	3/4	3/4	3/4	4,693.52	3/4	4,374.44	3/4	4,031.92	3/4	3,669.58	3/4	3,303.90	3/4	2,938.23	3/4	2,572.55	
5	5	5	5	5	5	4,686.81	5	4,367.58	5	4,024.54	5	3,661.96	5	3,296.28	5	2,930.61	5	2,564.94	
1/4	1/4	1/4	1/4	1/4	1/4	4,680.11	1/4	4,360.72	1/4	4,017.16	1/4	3,654.34	1/4	3,288.67	1/4	2,922.99	1/4	2,557.32	
1/2	1/2	1/2	1/2	1/2	1/2	4,673.40	1/2	4,353.87	1/2	4,009.78	1/2	3,646.72	1/2	3,281.05	1/2	2,915.37	1/2	2,549.70	
3/4	3/4	3/4	3/4	3/4	3/4	4,666.95	3/4	4,346.97	3/4	4,002.36	3/4	3,639.10	3/4	3,273.43	3/4	2,907.76	3/4	2,542.08	
6	6	6	6	6	6	4,660.49	6	4,340.08	6	3,994.95	6	3,631.48	6	3,265.81	6	2,900.14	6	2,534.46	
1/4	1/4	1/4	1/4	1/4	1/4	4,654.04	1/4	4,333.18	1/4	3,987.53	1/4	3,623.87	1/4	3,258.19	1/4	2,892.52	1/4	2,526.85	
1/2	1/2	1/2	1/2	1/2	1/2	4,647.58	1/2	4,326.29	1/2	3,980.11	1/2	3,616.25	1/2	3,250.57	1/2	2,884.90	1/2	2,519.23	
3/4	3/4	3/4	3/4	3/4	3/4	4,641.09	3/4	4,319.34	3/4	3,972.66	3/4	3,608.63	3/4	3,242.96	3/4	2,877.28	3/4	2,511.61	
7	7	7	7	7	7	4,634.59	7	4,312.38	7	3,965.20	7	3,601.01	7	3,235.34	7	2,869.66	7	2,503.99	
1/4	1/4	1/4	1/4	1/4	1/4	4,628.10	1/4	4,305.43	1/4	3,957.75	1/4	3,593.39	1/4	3,227.72	1/4	2,862.05	1/4	2,496.37	
1/2	1/2	1/2	1/2	1/2	1/2	4,621.61	1/2	4,298.48	1/2	3,950.29	1/2	3,585.78	1/2	3,220.10	1/2	2,854.43	1/2	2,488.75	
3/4	3/4	3/4	3/4	3/4	3/4	4,615.08	3/4	4,291.44	3/4	3,942.80	3/4	3,578.16	3/4	3,212.48	3/4	2,846.81	3/4	2,481.14	
8	8	8	8	8	8	4,608.55	8	4,284.41	8	3,935.31	8	3,570.54	8	3,204.87	8	2,839.19	8	2,473.52	
1/4	1/4	1/4	1/4	1/4	1/4	4,602.02	1/4	4,277.38	1/4	3,927.81	1/4	3,562.92	1/4	3,197.25	1/4	2,831.57	1/4	2,465.90	
1/2	1/2	1/2	1/2	1/2	1/2	4,595.49	1/2	4,270.35	1/2	3,920.32	1/2	3,555.30	1/2	3,189.63	1/2	2,823.96	1/2	2,458.28	
3/4	3/4	3/4	3/4	3/4	3/4	4,588.92	3/4	4,263.26	3/4	3,912.79	3/4	3,547.68	3/4	3,182.01	3/4	2,816.34	3/4	2,450.66	
9	9	9	9	9	9	4,582.35	9	4,256.17	9	3,905.26	9	3,540.07	9	3,174.39	9	2,808.72	9	2,443.05	
1/4	1/4	1/4	1/4	1/4	1/4	4,575.78	1/4	4,249.08	1/4	3,897.73	1/4	3,532.45	1/4	3,166.77	1/4	2,801.10	1/4	2,435.43	
1/2	1/2	1/2	1/2	1/2	1/2	4,569.22	1/2	4,241.99	1/2	3,890.20	1/2	3,524.83	1/2	3,159.16	1/2	2,793.48	1/2	2,427.81	
3/4	3/4	3/4	3/4	3/4	3/4	4,562.61	3/4	4,234.86	3/4	3,882.64	3/4	3,517.21	3/4	3,151.54	3/4	2,785.86	3/4	2,420.19	
10	10	10	10	10	10	4,556.01	10	4,227.73	10	3,875.07	10	3,509.59	10	3,143.92	10	2,778.25	10	2,412.57	
1/4	1/4	1/4	1/4	1/4	1/4	4,549.40	1/4	4,220.60	1/4	3,867.50	1/4	3,501.98	1/4	3,136.30	1/4	2,770.63	1/4	2,404.95	
1/2	1/2	1/2	1/2	1/2	1/2	4,542.80	1/2	4,213.47	1/2	3,859.94	1/2	3,494.36	1/2	3,128.68	1/2	2,763.01	1/2	2,397.34	
3/4	3/4	3/4	3/4	3/4	3/4	4,536.16	3/4	4,206.31	3/4	3,852.34	3/4	3,486.74	3/4	3,121.07	3/4	2,755.39	3/4	2,389.72	
11	11	11	11	11	11	4,529.51	11	4,199.14	11	3,844.74	11	3,479.12	11	3,113.45	11	2,747.77	11	2,382.10	
1/4	1/4	1/4	1/4	1/4	1/4	4,522.87	1/4	4,191.98	1/4	3,837.14	1/4	3,471.50	1/4	3,105.83	1/4	2,740.16	1/4	2,374.48	
1/2	1/2	1/2	1/2	1/2	1/2	4,516.23	1/2	4,184.81	1/2	3,829.54	1/2	3,463.88	1/2	3,098.21	1/2	2,732.54	1/2	2,366.86	
3/4	3/4	3/4	3/4	3/4	3/4	4,509.55	3/4	4,177.61	3/4	3,821.93	3/4	3,456.27	3/4	3,090.59	3/4	2,724.92	3/4	2,359.25	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 54'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 28068"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,351.63	0	1,985.96	0	1,620.27	0	1,255.24	0	891.71	0	526.34	0	181.20	0		0		0	
1/4	2,344.01	1/4	1,978.34	1/4	1,612.65	1/4	1,247.62	1/4	884.15	1/4	518.72	1/4	174.52	1/4		1/4		1/4	
1/2	2,336.39	1/2	1,970.72	1/2	1,605.03	1/2	1,240.00	1/2	876.59	1/2	511.10	1/2	167.83	1/2		1/2		1/2	
3/4	2,328.77	3/4	1,963.10	3/4	1,597.41	3/4	1,232.38	3/4	869.01	3/4	503.51	3/4	161.23	3/4		3/4		3/4	
1	2,321.15	1	1,955.48	1	1,589.80	1	1,224.76	1	861.43	1	495.91	1	154.63	1		1		1	
1/4	2,313.54	1/4	1,947.87	1/4	1,582.18	1/4	1,217.14	1/4	853.85	1/4	488.31	1/4	148.03	1/4		1/4		1/4	
1/2	2,305.92	1/2	1,940.25	1/2	1,574.56	1/2	1,209.52	1/2	846.28	1/2	480.71	1/2	141.43	1/2		1/2		1/2	
3/4	2,298.30	3/4	1,932.63	3/4	1,566.94	3/4	1,201.92	3/4	838.67	3/4	473.18	3/4	134.92	3/4		3/4		3/4	
2	2,290.68	2	1,925.01	2	1,559.32	2	1,194.31	2	831.07	2	465.64	2	128.41	2		2		2	
1/4	2,283.06	1/4	1,917.39	1/4	1,551.70	1/4	1,186.71	1/4	823.47	1/4	458.11	1/4	121.90	1/4		1/4		1/4	
1/2	2,275.45	1/2	1,909.77	1/2	1,544.09	1/2	1,179.10	1/2	815.86	1/2	450.57	1/2	115.40	1/2		1/2		1/2	
3/4	2,267.83	3/4	1,902.15	3/4	1,536.47	3/4	1,171.53	3/4	808.24	3/4	443.12	3/4	108.98	3/4		3/4		3/4	
3	2,260.21	3	1,894.54	3	1,528.85	3	1,163.95	3	800.62	3	435.67	3	102.57	3		3		3	
1/4	2,252.59	1/4	1,886.92	1/4	1,521.23	1/4	1,156.37	1/4	793.00	1/4	428.22	1/4	96.16	1/4		1/4		1/4	
1/2	2,244.97	1/2	1,879.30	1/2	1,513.61	1/2	1,148.79	1/2	785.39	1/2	420.77	1/2	89.75	1/2		1/2		1/2	
3/4	2,237.35	3/4	1,871.68	3/4	1,505.99	3/4	1,141.23	3/4	777.77	3/4	413.41	3/4	83.44	3/4		3/4		3/4	
4	2,229.74	4	1,864.06	4	1,498.37	4	1,133.67	4	770.15	4	406.04	4	77.14	4		4		4	
1/4	2,222.12	1/4	1,856.44	1/4	1,490.76	1/4	1,126.10	1/4	762.53	1/4	398.68	1/4	70.83	1/4		1/4		1/4	
1/2	2,214.50	1/2	1,848.83	1/2	1,483.14	1/2	1,118.54	1/2	754.91	1/2	391.31	1/2	64.52	1/2		1/2		1/2	
3/4	2,206.88	3/4	1,841.21	3/4	1,475.53	3/4	1,110.98	3/4	747.29	3/4	384.03	3/4	58.33	3/4		3/4		3/4	
5	2,199.26	5	1,833.59	5	1,467.93	5	1,103.42	5	739.67	5	376.75	5	52.14	5		5		5	
1/4	2,191.64	1/4	1,825.97	1/4	1,460.32	1/4	1,095.86	1/4	732.05	1/4	369.47	1/4	45.96	1/4		1/4		1/4	
1/2	2,184.03	1/2	1,818.35	1/2	1,452.72	1/2	1,088.30	1/2	724.44	1/2	362.19	1/2	39.77	1/2		1/2		1/2	
3/4	2,176.41	3/4	1,810.73	3/4	1,445.13	3/4	1,080.74	3/4	716.82	3/4	355.00	3/4	34.27	3/4		3/4		3/4	
6	2,168.79	6	1,803.11	6	1,437.54	6	1,073.17	6	709.20	6	347.80	6	28.78	6		6		6	
1/4	2,161.17	1/4	1,795.50	1/4	1,429.95	1/4	1,065.61	1/4	701.58	1/4	340.61	1/4	23.29	1/4		1/4		1/4	
1/2	2,153.55	1/2	1,787.88	1/2	1,422.35	1/2	1,058.05	1/2	693.96	1/2	333.41	1/2	17.79	1/2		1/2		1/2	
3/4	2,145.94	3/4	1,780.26	3/4	1,414.76	3/4	1,050.49	3/4	686.34	3/4	326.30	3/4	14.24	3/4		3/4		3/4	
7	2,138.32	7	1,772.64	7	1,407.17	7	1,042.93	7	678.72	7	319.19	7	10.69	7		7		7	
1/4	2,130.70	1/4	1,765.02	1/4	1,399.58	1/4	1,035.37	1/4	671.10	1/4	312.08	1/4	7.13	1/4		1/4		1/4	
1/2	2,123.08	1/2	1,757.40	1/2	1,391.99	1/2	1,027.81	1/2	663.49	1/2	304.97	1/2	3.58	1/2		1/2		1/2	
3/4	2,115.46	3/4	1,749.78	3/4	1,384.40	3/4	1,020.25	3/4	655.87	3/4	297.94	3/4		3/4		3/4		3/4	
8	2,107.84	8	1,742.17	8	1,376.81	8	1,012.69	8	648.25	8	290.91	8		8		8		8	
1/4	2,100.23	1/4	1,734.55	1/4	1,369.22	1/4	1,005.13	1/4	640.63	1/4	283.89	1/4		1/4		1/4		1/4	
1/2	2,092.61	1/2	1,726.93	1/2	1,361.63	1/2	997.57	1/2	633.01	1/2	276.86	1/2		1/2		1/2		1/2	
3/4	2,084.99	3/4	1,719.31	3/4	1,354.03	3/4	990.01	3/4	625.39	3/4	269.92	3/4		3/4		3/4		3/4	
9	2,077.37	9	1,711.69	9	1,346.44	9	982.45	9	617.77	9	262.98	9		9		9		9	
1/4	2,069.75	1/4	1,704.07	1/4	1,338.85	1/4	974.88	1/4	610.15	1/4	256.04	1/4		1/4		1/4		1/4	
1/2	2,062.14	1/2	1,696.46	1/2	1,331.26	1/2	967.32	1/2	602.53	1/2	249.09	1/2		1/2		1/2		1/2	
3/4	2,054.52	3/4	1,688.84	3/4	1,323.67	3/4	959.76	3/4	594.91	3/4	242.24	3/4		3/4		3/4		3/4	
10	2,046.90	10	1,681.22	10	1,316.08	10	952.20	10	587.30	10	235.38	10		10		10		10	
1/4	2,039.28	1/4	1,673.60	1/4	1,308.49	1/4	944.64	1/4	579.68	1/4	228.52	1/4		1/4		1/4		1/4	
1/2	2,031.66	1/2	1,665.98	1/2	1,300.89	1/2	937.08	1/2	572.06	1/2	221.67	1/2		1/2		1/2		1/2	
3/4	2,024.04	3/4	1,658.36	3/4	1,293.29	3/4	929.52	3/4	564.44	3/4	214.89	3/4		3/4		3/4		3/4	
11	2,016.43	11	1,650.74	11	1,285.68	11	921.96	11	556.82	11	208.12	11		11		11		11	
1/4	2,008.81	1/4	1,643.13	1/4	1,278.08	1/4	914.40	1/4	549.20	1/4	201.35	1/4		1/4		1/4		1/4	
1/2	2,001.19	1/2	1,635.51	1/2	1,270.47	1/2	906.84	1/2	541.58	1/2	194.58	1/2		1/2		1/2		1/2	
3/4	1,993.57	3/4	1,627.89	3/4	1,262.85	3/4	899.27	3/4	533.96	3/4	187.89	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/30/2004 CL - SW
CALCULATED: 10/01/2004 CL
PRINTED: 10/01/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2004

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



BARGE "KIRBY 28068"

1 STBD 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	4,516.00	0	4,184.71	0	3,829.57	0	3,464.04	0	3,098.49	0	2,732.95
1/4		1/4		1/4		1/4		1/4	4,509.33	1/4	4,177.51	1/4	3,821.96	1/4	3,456.42	1/4	3,090.88	1/4	2,725.34
1/2		1/2		1/2		1/2		1/2	4,502.65	1/2	4,170.31	1/2	3,814.34	1/2	3,448.81	1/2	3,083.26	1/2	2,717.72
3/4		3/4		3/4		3/4		3/4	4,495.98	3/4	4,163.11	3/4	3,806.73	3/4	3,441.19	3/4	3,075.65	3/4	2,710.10
1		1		1		1	4,816.13	1	4,489.30	1	4,155.91	1	3,799.12	1	3,433.58	1	3,068.03	1	2,702.49
1/4		1/4		1/4		1/4	4,809.32	1/4	4,482.60	1/4	4,148.67	1/4	3,791.51	1/4	3,425.96	1/4	3,060.42	1/4	2,694.87
1/2		1/2		1/2		1/2	4,802.50	1/2	4,475.89	1/2	4,141.43	1/2	3,783.89	1/2	3,418.35	1/2	3,052.80	1/2	2,687.26
3/4		3/4		3/4		3/4	4,795.69	3/4	4,469.18	3/4	4,134.19	3/4	3,776.27	3/4	3,410.73	3/4	3,045.19	3/4	2,679.64
2		2		2		2	4,788.87	2	4,462.47	2	4,126.96	2	3,768.66	2	3,403.11	2	3,037.57	2	2,672.03
1/4		1/4		1/4		1/4	4,781.42	1/4	4,455.73	1/4	4,119.68	1/4	3,761.04	1/4	3,395.50	1/4	3,029.96	1/4	2,664.41
1/2		1/2		1/2		1/2	4,773.97	1/2	4,448.99	1/2	4,112.41	1/2	3,753.43	1/2	3,387.88	1/2	3,022.34	1/2	2,656.80
3/4		3/4		3/4		3/4	4,766.52	3/4	4,442.25	3/4	4,105.13	3/4	3,745.81	3/4	3,380.27	3/4	3,014.72	3/4	2,649.18
3		3		3		3	4,759.07	3	4,435.50	3	4,097.86	3	3,738.20	3	3,372.65	3	3,007.11	3	2,641.56
1/4		1/4		1/4		1/4	4,751.53	1/4	4,428.72	1/4	4,090.55	1/4	3,730.58	1/4	3,365.04	1/4	2,999.49	1/4	2,633.95
1/2		1/2		1/2		1/2	4,744.00	1/2	4,421.94	1/2	4,083.24	1/2	3,722.97	1/2	3,357.42	1/2	2,991.88	1/2	2,626.33
3/4		3/4		3/4		3/4	4,736.47	3/4	4,415.16	3/4	4,075.93	3/4	3,715.35	3/4	3,349.81	3/4	2,984.26	3/4	2,618.72
4		4		4		4	4,728.94	4	4,408.38	4	4,068.62	4	3,707.73	4	3,342.19	4	2,976.65	4	2,611.10
1/4		1/4		1/4		1/4	4,721.69	1/4	4,401.57	1/4	4,061.28	1/4	3,700.12	1/4	3,334.58	1/4	2,969.03	1/4	2,603.49
1/2		1/2		1/2		1/2	4,714.44	1/2	4,394.75	1/2	4,053.93	1/2	3,692.50	1/2	3,326.96	1/2	2,961.42	1/2	2,595.87
3/4		3/4		3/4		3/4	4,707.18	3/4	4,387.93	3/4	4,046.59	3/4	3,684.89	3/4	3,319.34	3/4	2,953.80	3/4	2,588.26
5		5		5		5	4,699.93	5	4,381.12	5	4,039.25	5	3,677.27	5	3,311.73	5	2,946.18	5	2,580.64
1/4		1/4		1/4		1/4	4,693.23	1/4	4,374.26	1/4	4,031.87	1/4	3,669.66	1/4	3,304.11	1/4	2,938.57	1/4	2,573.03
1/2		1/2		1/2		1/2	4,686.52	1/2	4,367.41	1/2	4,024.49	1/2	3,662.04	1/2	3,296.50	1/2	2,930.95	1/2	2,565.41
3/4		3/4		3/4		3/4	4,679.82	3/4	4,360.55	3/4	4,017.12	3/4	3,654.43	3/4	3,288.88	3/4	2,923.34	3/4	2,557.79
6		6		6		6	4,673.12	6	4,353.70	6	4,009.74	6	3,646.81	6	3,281.27	6	2,915.72	6	2,550.18
1/4		1/4		1/4		1/4	4,666.66	1/4	4,346.81	1/4	4,002.32	1/4	3,639.20	1/4	3,273.65	1/4	2,908.11	1/4	2,542.56
1/2		1/2		1/2		1/2	4,660.21	1/2	4,339.92	1/2	3,994.91	1/2	3,631.58	1/2	3,266.04	1/2	2,900.49	1/2	2,534.95
3/4		3/4		3/4		3/4	4,653.76	3/4	4,333.02	3/4	3,987.49	3/4	3,623.96	3/4	3,258.42	3/4	2,892.88	3/4	2,527.33
7		7		7		7	4,647.30	7	4,326.13	7	3,980.08	7	3,616.35	7	3,250.80	7	2,885.26	7	2,519.72
1/4		1/4		1/4		1/4	4,640.81	1/4	4,319.18	1/4	3,972.63	1/4	3,608.73	1/4	3,243.19	1/4	2,877.65	1/4	2,512.10
1/2		1/2		1/2		1/2	4,634.32	1/2	4,312.23	1/2	3,965.18	1/2	3,601.12	1/2	3,235.57	1/2	2,870.03	1/2	2,504.49
3/4		3/4		3/4		3/4	4,627.83	3/4	4,305.28	3/4	3,957.72	3/4	3,593.50	3/4	3,227.96	3/4	2,862.41	3/4	2,496.87
8		8		8		8	4,621.34	8	4,298.33	8	3,950.27	8	3,585.89	8	3,220.34	8	2,854.80	8	2,489.25
1/4		1/4		1/4		1/4	4,614.81	1/4	4,291.30	1/4	3,942.78	1/4	3,578.27	1/4	3,212.73	1/4	2,847.18	1/4	2,481.64
1/2		1/2		1/2		1/2	4,608.29	1/2	4,284.27	1/2	3,935.29	1/2	3,570.66	1/2	3,205.11	1/2	2,839.57	1/2	2,474.02
3/4		3/4		3/4		3/4	4,601.76	3/4	4,277.24	3/4	3,927.80	3/4	3,563.04	3/4	3,197.50	3/4	2,831.95	3/4	2,466.41
9		9		9		9	4,595.23	9	4,270.21	9	3,920.31	9	3,555.42	9	3,189.88	9	2,824.34	9	2,458.79
1/4		1/4		1/4		1/4	4,588.67	1/4	4,263.12	1/4	3,912.79	1/4	3,547.81	1/4	3,182.27	1/4	2,816.72	1/4	2,451.18
1/2		1/2		1/2		1/2	4,582.10	1/2	4,256.04	1/2	3,905.26	1/2	3,540.19	1/2	3,174.65	1/2	2,809.11	1/2	2,443.56
3/4		3/4		3/4		3/4	4,575.54	3/4	4,248.95	3/4	3,897.73	3/4	3,532.58	3/4	3,167.03	3/4	2,801.49	3/4	2,435.95
10		10		10		10	4,568.97	10	4,241.86	10	3,890.21	10	3,524.96	10	3,159.42	10	2,793.87	10	2,428.33
1/4		1/4		1/4		1/4	4,562.37	1/4	4,234.73	1/4	3,882.64	1/4	3,517.35	1/4	3,151.80	1/4	2,786.26	1/4	2,420.72
1/2		1/2		1/2		1/2	4,555.77	1/2	4,227.61	1/2	3,875.08	1/2	3,509.73	1/2	3,144.19	1/2	2,778.64	1/2	2,413.10
3/4		3/4		3/4		3/4	4,549.16	3/4	4,220.48	3/4	3,867.51	3/4	3,502.12	3/4	3,136.57	3/4	2,771.03	3/4	2,405.48
11		11		11		11	4,542.56	11	4,213.36	11	3,859.95	11	3,494.50	11	3,128.96	11	2,763.41	11	2,397.87
1/4		1/4		1/4		1/4	4,535.92	1/4	4,206.20	1/4	3,852.35	1/4	3,486.89	1/4	3,121.34	1/4	2,755.80	1/4	2,390.25
1/2		1/2		1/2		1/2	4,529.28	1/2	4,199.03	1/2	3,844.76	1/2	3,479.27	1/2	3,113.73	1/2	2,748.18	1/2	2,382.64
3/4		3/4		3/4		3/4	4,522.64	3/4	4,191.87	3/4	3,837.16	3/4	3,471.65	3/4	3,106.11	3/4	2,740.57	3/4	2,375.02

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 54'-09" 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 28068"

**1 STBD
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	2,367.41	0	2,001.86	0	1,636.31	0	1,271.41	0	906.80	0	541.38	0	194.50	0		0		0	
1/4	2,359.79	1/4	1,994.25	1/4	1,628.69	1/4	1,263.79	1/4	899.21	1/4	533.76	1/4	187.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,352.18	1/2	1,986.63	1/2	1,621.08	1/2	1,256.17	1/2	891.62	1/2	526.15	1/2	181.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,344.56	3/4	1,979.02	3/4	1,613.46	3/4	1,248.56	3/4	884.03	3/4	518.53	3/4	174.45	3/4	3/4	3/4	3/4	3/4	3/4
1	2,336.94	1	1,971.41	1	1,605.85	1	1,240.94	1	876.44	1	510.91	1	167.76	1		1		1	
1/4	2,329.33	1/4	1,963.79	1/4	1,598.23	1/4	1,233.32	1/4	868.84	1/4	503.32	1/4	161.17	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,321.71	1/2	1,956.17	1/2	1,590.62	1/2	1,225.71	1/2	861.23	1/2	495.72	1/2	154.57	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,314.10	3/4	1,948.56	3/4	1,583.00	3/4	1,218.09	3/4	853.63	3/4	488.13	3/4	147.97	3/4	3/4	3/4	3/4	3/4	3/4
2	2,306.48	2	1,940.94	2	1,575.38	2	1,210.48	2	846.03	2	480.53	2	141.37	2		2		2	
1/4	2,298.87	1/4	1,933.33	1/4	1,567.77	1/4	1,202.86	1/4	838.41	1/4	473.00	1/4	134.87	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,291.25	1/2	1,925.71	1/2	1,560.15	1/2	1,195.24	1/2	830.80	1/2	465.47	1/2	128.36	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,283.64	3/4	1,918.09	3/4	1,552.54	3/4	1,187.63	3/4	823.18	3/4	457.94	3/4	121.86	3/4	3/4	3/4	3/4	3/4	3/4
3	2,276.02	3	1,910.48	3	1,544.92	3	1,180.01	3	815.56	3	450.41	3	115.35	3		3		3	
1/4	2,268.41	1/4	1,902.86	1/4	1,537.30	1/4	1,172.41	1/4	807.95	1/4	442.96	1/4	108.94	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,260.79	1/2	1,895.25	1/2	1,529.69	1/2	1,164.80	1/2	800.33	1/2	435.51	1/2	102.53	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,253.17	3/4	1,887.63	3/4	1,522.07	3/4	1,157.20	3/4	792.71	3/4	428.06	3/4	96.12	3/4	3/4	3/4	3/4	3/4	3/4
4	2,245.56	4	1,880.02	4	1,514.46	4	1,149.59	4	785.10	4	420.62	4	89.71	4		4		4	
1/4	2,237.94	1/4	1,872.40	1/4	1,506.84	1/4	1,142.01	1/4	777.48	1/4	413.25	1/4	83.41	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,230.33	1/2	1,864.78	1/2	1,499.23	1/2	1,134.42	1/2	769.87	1/2	405.89	1/2	77.10	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,222.71	3/4	1,857.17	3/4	1,491.61	3/4	1,126.83	3/4	762.25	3/4	398.53	3/4	70.80	3/4	3/4	3/4	3/4	3/4	3/4
5	2,215.10	5	1,849.55	5	1,483.99	5	1,119.24	5	754.63	5	391.17	5	64.50	5		5		5	
1/4	2,207.48	1/4	1,841.94	1/4	1,476.39	1/4	1,111.65	1/4	747.02	1/4	383.89	1/4	58.31	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,199.87	1/2	1,834.32	1/2	1,468.79	1/2	1,104.06	1/2	739.40	1/2	376.61	1/2	52.12	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,192.25	3/4	1,826.71	3/4	1,461.19	3/4	1,096.48	3/4	731.79	3/4	369.33	3/4	45.94	3/4	3/4	3/4	3/4	3/4	3/4
6	2,184.63	6	1,819.09	6	1,453.59	6	1,088.89	6	724.17	6	362.06	6	39.75	6		6		6	
1/4	2,177.02	1/4	1,811.47	1/4	1,446.00	1/4	1,081.30	1/4	716.55	1/4	354.86	1/4	34.26	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,169.40	1/2	1,803.86	1/2	1,438.41	1/2	1,073.72	1/2	708.94	1/2	347.67	1/2	28.77	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,161.79	3/4	1,796.24	3/4	1,430.82	3/4	1,066.13	3/4	701.32	3/4	340.48	3/4	23.27	3/4	3/4	3/4	3/4	3/4	3/4
7	2,154.17	7	1,788.63	7	1,423.23	7	1,058.54	7	693.71	7	333.28	7	17.78	7		7		7	
1/4	2,146.56	1/4	1,781.01	1/4	1,415.65	1/4	1,050.95	1/4	686.09	1/4	326.18	1/4	14.23	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,138.94	1/2	1,773.39	1/2	1,408.06	1/2	1,043.37	1/2	678.47	1/2	319.07	1/2	10.68	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,131.33	3/4	1,765.78	3/4	1,400.47	3/4	1,035.78	3/4	670.86	3/4	311.96	3/4	7.13	3/4	3/4	3/4	3/4	3/4	3/4
8	2,123.71	8	1,758.16	8	1,392.88	8	1,028.19	8	663.24	8	304.85	8	3.58	8		8		8	
1/4	2,116.10	1/4	1,750.55	1/4	1,385.29	1/4	1,020.61	1/4	655.63	1/4	297.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,108.48	1/2	1,742.93	1/2	1,377.70	1/2	1,013.02	1/2	648.01	1/2	290.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,100.86	3/4	1,735.32	3/4	1,370.12	3/4	1,005.43	3/4	640.39	3/4	283.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,093.25	9	1,727.70	9	1,362.53	9	997.84	9	632.78	9	276.76	9		9		9		9	
1/4	2,085.63	1/4	1,720.08	1/4	1,354.94	1/4	990.26	1/4	625.16	1/4	269.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,078.02	1/2	1,712.47	1/2	1,347.35	1/2	982.67	1/2	617.54	1/2	262.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,070.40	3/4	1,704.85	3/4	1,339.76	3/4	975.08	3/4	609.93	3/4	255.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,062.79	10	1,697.24	10	1,332.17	10	967.49	10	602.31	10	249.00	10		10		10		10	
1/4	2,055.17	1/4	1,689.62	1/4	1,324.58	1/4	959.91	1/4	594.70	1/4	242.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,047.56	1/2	1,682.00	1/2	1,316.99	1/2	952.32	1/2	587.08	1/2	235.29	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,039.94	3/4	1,674.39	3/4	1,309.40	3/4	944.73	3/4	579.46	3/4	228.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,032.32	11	1,666.77	11	1,301.82	11	937.15	11	571.85	11	221.58	11		11		11		11	
1/4	2,024.71	1/4	1,659.16	1/4	1,294.21	1/4	929.56	1/4	564.23	1/4	214.81	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,017.09	1/2	1,651.54	1/2	1,286.61	1/2	921.97	1/2	556.61	1/2	208.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,009.48	3/4	1,643.93	3/4	1,279.01	3/4	914.38	3/4	549.00	3/4	201.27	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/30/2004 CL - SW
CALCULATED: 10/01/2004 CL
PRINTED: 10/01/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2004

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



BARGE "KIRBY 28068"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4		1/4		1/4		1/4	4,840.41	1/4	4,516.64	1/4	4,185.83	1/4	3,831.64	1/4	3,468.36	1/4	3,105.08	1/4	2,741.80
1/2		1/2		1/2		1/2	4,834.82	1/2	4,510.01	1/2	4,178.67	1/2	3,824.08	1/2	3,460.79	1/2	3,097.51	1/2	2,734.23
3/4		3/4		3/4		3/4	4,828.04	3/4	4,503.34	3/4	4,171.48	3/4	3,816.51	3/4	3,453.23	3/4	3,089.94	3/4	2,726.66
1	1	1	1	1	1	1	4,821.27	1	4,496.68	1	4,164.29	1	3,808.94	1	3,445.66	1	3,082.37	1	2,719.09
1/4		1/4		1/4		1/4	4,814.49	1/4	4,490.01	1/4	4,157.10	1/4	3,801.37	1/4	3,438.09	1/4	3,074.81	1/4	2,711.52
1/2		1/2		1/2		1/2	4,807.72	1/2	4,483.35	1/2	4,149.90	1/2	3,793.80	1/2	3,430.52	1/2	3,067.24	1/2	2,703.95
3/4		3/4		3/4		3/4	4,800.31	3/4	4,476.65	3/4	4,142.67	3/4	3,786.23	3/4	3,422.95	3/4	3,059.67	3/4	2,696.39
2	2	2	2	2	2	2	4,792.91	2	4,469.95	2	4,135.44	2	3,778.67	2	3,415.38	2	3,052.10	2	2,688.82
1/4		1/4		1/4		1/4	4,785.50	1/4	4,463.24	1/4	4,128.21	1/4	3,771.10	1/4	3,407.81	1/4	3,044.53	1/4	2,681.25
1/2		1/2		1/2		1/2	4,778.10	1/2	4,456.54	1/2	4,120.98	1/2	3,763.53	1/2	3,400.25	1/2	3,036.96	1/2	2,673.68
3/4		3/4		3/4		3/4	4,770.61	3/4	4,449.81	3/4	4,113.72	3/4	3,755.96	3/4	3,392.68	3/4	3,029.39	3/4	2,666.11
3	3	3	3	3	3	3	4,763.13	3	4,443.07	3	4,106.45	3	3,748.39	3	3,385.11	3	3,021.83	3	2,658.54
1/4		1/4		1/4		1/4	4,755.65	1/4	4,436.33	1/4	4,099.19	1/4	3,740.82	1/4	3,377.54	1/4	3,014.26	1/4	2,650.97
1/2		1/2		1/2		1/2	4,748.16	1/2	4,429.59	1/2	4,091.92	1/2	3,733.26	1/2	3,369.97	1/2	3,006.69	1/2	2,643.41
3/4		3/4		3/4		3/4	4,740.96	3/4	4,422.82	3/4	4,084.63	3/4	3,725.69	3/4	3,362.40	3/4	2,999.12	3/4	2,635.84
4	4	4	4	4	4	4	4,733.75	4	4,416.04	4	4,077.33	4	3,718.12	4	3,354.84	4	2,991.55	4	2,628.27
1/4		1/4		1/4		1/4	4,726.54	1/4	4,409.27	1/4	4,070.03	1/4	3,710.55	1/4	3,347.27	1/4	2,983.98	1/4	2,620.70
1/2		1/2		1/2		1/2	4,719.33	1/2	4,402.49	1/2	4,062.73	1/2	3,702.98	1/2	3,339.70	1/2	2,976.42	1/2	2,613.13
3/4		3/4		3/4		3/4	4,712.67	3/4	4,395.68	3/4	4,055.40	3/4	3,695.41	3/4	3,332.13	3/4	2,968.85	3/4	2,605.56
5	5	5	5	5	5	5	4,706.01	5	4,388.87	5	4,048.07	5	3,687.85	5	3,324.56	5	2,961.28	5	2,598.00
1/4		1/4		1/4		1/4	4,699.35	1/4	4,382.06	1/4	4,040.74	1/4	3,680.28	1/4	3,316.99	1/4	2,953.71	1/4	2,590.43
1/2		1/2		1/2		1/2	4,692.68	1/2	4,375.25	1/2	4,033.41	1/2	3,672.71	1/2	3,309.43	1/2	2,946.14	1/2	2,582.86
3/4		3/4		3/4		3/4	4,686.27	3/4	4,368.40	3/4	4,026.04	3/4	3,665.14	3/4	3,301.86	3/4	2,938.57	3/4	2,575.29
6	6	6	6	6	6	6	4,679.86	6	4,361.55	6	4,018.67	6	3,657.57	6	3,294.29	6	2,931.01	6	2,567.72
1/4		1/4		1/4		1/4	4,673.44	1/4	4,354.70	1/4	4,011.30	1/4	3,650.00	1/4	3,286.72	1/4	2,923.44	1/4	2,560.15
1/2		1/2		1/2		1/2	4,667.03	1/2	4,347.85	1/2	4,003.93	1/2	3,642.44	1/2	3,279.15	1/2	2,915.87	1/2	2,552.59
3/4		3/4		3/4		3/4	4,660.58	3/4	4,340.94	3/4	3,996.52	3/4	3,634.87	3/4	3,271.58	3/4	2,908.30	3/4	2,545.02
7	7	7	7	7	7	7	4,654.13	7	4,334.04	7	3,989.12	7	3,627.30	7	3,264.02	7	2,900.73	7	2,537.45
1/4		1/4		1/4		1/4	4,647.68	1/4	4,327.13	1/4	3,981.71	1/4	3,619.73	1/4	3,256.45	1/4	2,893.16	1/4	2,529.88
1/2		1/2		1/2		1/2	4,641.23	1/2	4,320.22	1/2	3,974.31	1/2	3,612.16	1/2	3,248.88	1/2	2,885.60	1/2	2,522.31
3/4		3/4		3/4		3/4	4,634.74	3/4	4,313.24	3/4	3,966.86	3/4	3,604.59	3/4	3,241.31	3/4	2,878.03	3/4	2,514.74
8	8	8	8	8	8	8	4,628.26	8	4,306.25	8	3,959.42	8	3,597.02	8	3,233.74	8	2,870.46	8	2,507.18
1/4		1/4		1/4		1/4	4,621.77	1/4	4,299.26	1/4	3,951.98	1/4	3,589.46	1/4	3,226.17	1/4	2,862.89	1/4	2,499.61
1/2		1/2		1/2		1/2	4,615.28	1/2	4,292.28	1/2	3,944.53	1/2	3,581.89	1/2	3,218.60	1/2	2,855.32	1/2	2,492.04
3/4		3/4		3/4		3/4	4,608.76	3/4	4,285.23	3/4	3,937.05	3/4	3,574.32	3/4	3,211.04	3/4	2,847.75	3/4	2,484.47
9	9	9	9	9	9	9	4,602.23	9	4,278.19	9	3,929.57	9	3,566.75	9	3,203.47	9	2,840.18	9	2,476.90
1/4		1/4		1/4		1/4	4,595.71	1/4	4,271.14	1/4	3,922.09	1/4	3,559.18	1/4	3,195.90	1/4	2,832.62	1/4	2,469.33
1/2		1/2		1/2		1/2	4,589.18	1/2	4,264.10	1/2	3,914.61	1/2	3,551.61	1/2	3,188.33	1/2	2,825.05	1/2	2,461.76
3/4		3/4		3/4		3/4	4,582.62	3/4	4,257.02	3/4	3,907.09	3/4	3,544.05	3/4	3,180.76	3/4	2,817.48	3/4	2,454.20
10	10	10	10	10	10	10	4,576.06	10	4,249.93	10	3,899.58	10	3,536.48	10	3,173.19	10	2,809.91	10	2,446.63
1/4		1/4		1/4		1/4	4,569.50	1/4	4,242.85	1/4	3,892.06	1/4	3,528.91	1/4	3,165.63	1/4	2,802.34	1/4	2,439.06
1/2		1/2		1/2		1/2	4,562.94	1/2	4,235.77	1/2	3,884.54	1/2	3,521.34	1/2	3,158.06	1/2	2,794.77	1/2	2,431.49
3/4		3/4		3/4		3/4	4,556.34	3/4	4,228.65	3/4	3,876.99	3/4	3,513.77	3/4	3,150.49	3/4	2,787.21	3/4	2,423.92
11	11	11	11	11	11	11	4,549.74	11	4,221.53	11	3,869.44	11	3,506.20	11	3,142.92	11	2,779.64	11	2,416.35
1/4		1/4		1/4		1/4	4,543.14	1/4	4,214.42	1/4	3,861.90	1/4	3,498.64	1/4	3,135.35	1/4	2,772.07	1/4	2,408.79
1/2		1/2		1/2		1/2	4,536.54	1/2	4,207.30	1/2	3,854.35	1/2	3,491.07	1/2	3,127.78	1/2	2,764.50	1/2	2,401.22
3/4		3/4		3/4		3/4	4,529.91	3/4	4,200.14	3/4	3,846.78	3/4	3,483.50	3/4	3,120.22	3/4	2,756.93	3/4	2,393.65

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 54'-04" 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 28068"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,386.08	0	2,022.80	0	1,659.50	0	1,300.08	0	949.83	0	590.23	0	226.90	0		0		0	
1/4	2,378.51	1/4	2,015.23	1/4	1,651.93	1/4	1,292.51	1/4	942.59	1/4	582.66	1/4	219.33	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,370.94	1/2	2,007.66	1/2	1,644.36	1/2	1,284.94	1/2	935.35	1/2	575.09	1/2	211.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,363.38	3/4	2,000.09	3/4	1,636.80	3/4	1,277.37	3/4	928.09	3/4	567.52	3/4	204.19	3/4	3/4	3/4	3/4	3/4	3/4
1	2,355.81	1	1,992.52	1	1,629.23	1	1,269.80	1	920.84	1	559.95	1	196.62	1		1		1	
1/4	2,348.24	1/4	1,984.95	1/4	1,621.66	1/4	1,262.23	1/4	913.58	1/4	552.38	1/4	189.06	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,340.67	1/2	1,977.38	1/2	1,614.09	1/2	1,254.67	1/2	906.32	1/2	544.81	1/2	181.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,333.10	3/4	1,969.81	3/4	1,606.52	3/4	1,247.25	3/4	899.06	3/4	537.24	3/4	173.93	3/4	3/4	3/4	3/4	3/4	3/4
2	2,325.53	2	1,962.24	2	1,598.95	2	1,239.83	2	891.79	2	529.67	2	166.37	2		2		2	
1/4	2,317.97	1/4	1,954.68	1/4	1,591.38	1/4	1,232.41	1/4	884.52	1/4	522.10	1/4	158.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,310.40	1/2	1,947.11	1/2	1,583.81	1/2	1,224.99	1/2	877.25	1/2	514.53	1/2	151.25	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,302.83	3/4	1,939.54	3/4	1,576.25	3/4	1,217.74	3/4	869.83	3/4	506.96	3/4	143.70	3/4	3/4	3/4	3/4	3/4	3/4
3	2,295.26	3	1,931.97	3	1,568.68	3	1,210.48	3	862.42	3	499.39	3	136.16	3		3		3	
1/4	2,287.69	1/4	1,924.40	1/4	1,561.11	1/4	1,203.22	1/4	855.00	1/4	491.82	1/4	128.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,280.12	1/2	1,916.83	1/2	1,553.54	1/2	1,195.97	1/2	847.58	1/2	484.25	1/2	121.06	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,272.55	3/4	1,909.26	3/4	1,546.05	3/4	1,188.73	3/4	840.01	3/4	476.69	3/4	113.53	3/4	3/4	3/4	3/4	3/4	3/4
4	2,264.99	4	1,901.70	4	1,538.56	4	1,181.49	4	832.44	4	469.12	4	106.00	4		4		4	
1/4	2,257.42	1/4	1,894.13	1/4	1,531.08	1/4	1,174.24	1/4	824.87	1/4	461.55	1/4	98.48	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,249.85	1/2	1,886.56	1/2	1,523.59	1/2	1,167.00	1/2	817.30	1/2	453.98	1/2	90.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,242.28	3/4	1,878.99	3/4	1,516.18	3/4	1,159.76	3/4	809.73	3/4	446.41	3/4	83.45	3/4	3/4	3/4	3/4	3/4	3/4
5	2,234.71	5	1,871.42	5	1,508.78	5	1,152.52	5	802.16	5	438.84	5	75.96	5		5		5	
1/4	2,227.14	1/4	1,863.85	1/4	1,501.37	1/4	1,145.29	1/4	794.60	1/4	431.27	1/4	68.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,219.58	1/2	1,856.28	1/2	1,493.96	1/2	1,138.05	1/2	787.03	1/2	423.70	1/2	60.97	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,212.01	3/4	1,848.72	3/4	1,486.55	3/4	1,130.81	3/4	779.46	3/4	416.13	3/4	54.08	3/4	3/4	3/4	3/4	3/4	3/4
6	2,204.44	6	1,841.15	6	1,479.15	6	1,123.57	6	771.89	6	408.56	6	47.19	6		6		6	
1/4	2,196.87	1/4	1,833.58	1/4	1,471.74	1/4	1,116.33	1/4	764.32	1/4	400.99	1/4	40.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,189.30	1/2	1,826.01	1/2	1,464.33	1/2	1,109.09	1/2	756.75	1/2	393.42	1/2	33.41	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,181.73	3/4	1,818.44	3/4	1,456.93	3/4	1,101.85	3/4	749.18	3/4	385.85	3/4	28.37	3/4	3/4	3/4	3/4	3/4	3/4
7	2,174.17	7	1,810.87	7	1,449.52	7	1,094.61	7	741.61	7	378.28	7	23.33	7		7		7	
1/4	2,166.60	1/4	1,803.30	1/4	1,442.11	1/4	1,087.37	1/4	734.04	1/4	370.71	1/4	18.28	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,159.03	1/2	1,795.74	1/2	1,434.71	1/2	1,080.13	1/2	726.47	1/2	363.14	1/2	13.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,151.46	3/4	1,788.17	3/4	1,427.30	3/4	1,072.90	3/4	718.91	3/4	355.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,143.89	8	1,780.60	8	1,419.89	8	1,065.66	8	711.34	8	348.01	8		8		8		8	
1/4	2,136.32	1/4	1,773.03	1/4	1,412.49	1/4	1,058.42	1/4	703.77	1/4	340.44	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,128.76	1/2	1,765.46	1/2	1,405.08	1/2	1,051.18	1/2	696.20	1/2	332.87	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,121.19	3/4	1,757.89	3/4	1,397.67	3/4	1,043.94	3/4	688.63	3/4	325.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,113.62	9	1,750.32	9	1,390.27	9	1,036.70	9	681.06	9	317.73	9		9		9		9	
1/4	2,106.05	1/4	1,742.76	1/4	1,382.86	1/4	1,029.46	1/4	673.49	1/4	310.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,098.48	1/2	1,735.19	1/2	1,375.45	1/2	1,022.22	1/2	665.92	1/2	302.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,090.91	3/4	1,727.62	3/4	1,367.96	3/4	1,014.98	3/4	658.35	3/4	295.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,083.34	10	1,720.05	10	1,360.47	10	1,007.74	10	650.78	10	287.45	10		10		10		10	
1/4	2,075.78	1/4	1,712.48	1/4	1,352.98	1/4	1,000.51	1/4	643.21	1/4	279.88	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,068.21	1/2	1,704.91	1/2	1,345.50	1/2	993.27	1/2	635.64	1/2	272.31	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,060.64	3/4	1,697.34	3/4	1,337.93	3/4	986.03	3/4	628.07	3/4	264.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,053.07	11	1,689.78	11	1,330.36	11	978.79	11	620.50	11	257.17	11		11		11		11	
1/4	2,045.50	1/4	1,682.21	1/4	1,322.79	1/4	971.55	1/4	612.93	1/4	249.60	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,037.93	1/2	1,674.64	1/2	1,315.22	1/2	964.31	1/2	605.36	1/2	242.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,030.36	3/4	1,667.07	3/4	1,307.65	3/4	957.07	3/4	597.80	3/4	234.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/30/2004 CL - SW
CALCULATED: 10/01/2004 CL
PRINTED: 10/01/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2004

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



BARGE "KIRBY 28068"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 7/8"

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	4,548.89	0	4,219.37	0	3,866.22	0	3,502.94	0	3,139.65	0	2,776.37
1/4		1/4		1/4		1/4		1/4	4,542.25	1/4	4,212.22	1/4	3,858.65	1/4	3,495.37	1/4	3,132.09	1/4	2,768.80
1/2		1/2		1/2		1/2		1/2	4,535.62	1/2	4,205.06	1/2	3,851.09	1/2	3,487.80	1/2	3,124.52	1/2	2,761.23
3/4		3/4		3/4		7/8		3/4	4,850.48	3/4	4,528.98	3/4	4,197.91	3/4	3,843.52	3/4	3,480.23	3/4	3,116.95
1		1		1		1		1	4,847.10	1	4,522.33	1	4,190.73	1	3,835.95	1	3,472.66	1	3,109.38
1/4		1/4		1/4		1/4		1/4	4,840.32	1/4	4,515.67	1/4	4,183.54	1/4	3,828.38	1/4	3,465.10	1/4	3,101.81
1/2		1/2		1/2		1/2		1/2	4,833.55	1/2	4,509.00	1/2	4,176.35	1/2	3,820.81	1/2	3,457.53	1/2	3,094.24
3/4		3/4		3/4		3/4		3/4	4,826.77	3/4	4,502.34	3/4	4,169.15	3/4	3,813.24	3/4	3,449.96	3/4	3,086.68
2		2		2		2		2	4,819.68	2	4,495.65	2	4,161.94	2	3,805.67	2	3,442.39	2	3,079.11
1/4		1/4		1/4		1/4		1/4	4,812.27	1/4	4,488.95	1/4	4,154.71	1/4	3,798.11	1/4	3,434.82	1/4	3,071.54
1/2		1/2		1/2		1/2		1/2	4,804.87	1/2	4,482.25	1/2	4,147.48	1/2	3,790.54	1/2	3,427.25	1/2	3,063.97
3/4		3/4		3/4		3/4		3/4	4,797.46	3/4	4,475.55	3/4	4,140.25	3/4	3,782.97	3/4	3,419.69	3/4	3,056.40
3		3		3		3		3	4,790.02	3	4,468.83	3	4,133.00	3	3,775.40	3	3,412.12	3	3,048.83
1/4		1/4		1/4		1/4		1/4	4,782.53	1/4	4,462.09	1/4	4,125.74	1/4	3,767.83	1/4	3,404.55	1/4	3,041.27
1/2		1/2		1/2		1/2		1/2	4,775.05	1/2	4,455.36	1/2	4,118.47	1/2	3,760.26	1/2	3,396.98	1/2	3,033.70
3/4		3/4		3/4		3/4		3/4	4,767.57	3/4	4,448.62	3/4	4,111.21	3/4	3,752.69	3/4	3,389.41	3/4	3,026.13
4		4		4		4		4	4,760.22	4	4,441.86	4	4,103.93	4	3,745.13	4	3,381.84	4	3,018.56
1/4		1/4		1/4		1/4		1/4	4,753.01	1/4	4,435.09	1/4	4,096.63	1/4	3,737.56	1/4	3,374.27	1/4	3,010.99
1/2		1/2		1/2		1/2		1/2	4,745.81	1/2	4,428.31	1/2	4,089.33	1/2	3,729.99	1/2	3,366.71	1/2	3,003.42
3/4		3/4		3/4		3/4		3/4	4,738.60	3/4	4,421.54	3/4	4,082.04	3/4	3,722.42	3/4	3,359.14	3/4	2,995.85
5		5		5		5		5	4,731.66	5	4,414.74	5	4,074.72	5	3,714.85	5	3,351.57	5	2,988.29
1/4		1/4		1/4		1/4		1/4	4,725.00	1/4	4,407.93	1/4	4,067.39	1/4	3,707.28	1/4	3,344.00	1/4	2,980.72
1/2		1/2		1/2		1/2		1/2	4,718.34	1/2	4,401.12	1/2	4,060.06	1/2	3,699.72	1/2	3,336.43	1/2	2,973.15
3/4		3/4		3/4		3/4		3/4	4,711.68	3/4	4,394.31	3/4	4,052.73	3/4	3,692.15	3/4	3,328.86	3/4	2,965.58
6		6		6		6		6	4,705.14	6	4,387.48	6	4,045.38	6	3,684.58	6	3,321.30	6	2,958.01
1/4		1/4		1/4		1/4		1/4	4,698.73	1/4	4,380.63	1/4	4,038.01	1/4	3,677.01	1/4	3,313.73	1/4	2,950.44
1/2		1/2		1/2		1/2		1/2	4,692.31	1/2	4,373.78	1/2	4,030.64	1/2	3,669.44	1/2	3,306.16	1/2	2,942.88
3/4		3/4		3/4		3/4		3/4	4,685.90	3/4	4,366.93	3/4	4,023.27	3/4	3,661.87	3/4	3,298.59	3/4	2,935.31
7		7		7		7		7	4,679.47	7	4,360.05	7	4,015.88	7	3,654.31	7	3,291.02	7	2,927.74
1/4		1/4		1/4		1/4		1/4	4,673.02	1/4	4,353.15	1/4	4,008.47	1/4	3,646.74	1/4	3,283.45	1/4	2,920.17
1/2		1/2		1/2		1/2		1/2	4,666.57	1/2	4,346.24	1/2	4,001.07	1/2	3,639.17	1/2	3,275.89	1/2	2,912.60
3/4		3/4		3/4		3/4		3/4	4,660.12	3/4	4,339.33	3/4	3,993.66	3/4	3,631.60	3/4	3,268.32	3/4	2,905.03
8		8		8		8		8	4,653.65	8	4,332.38	8	3,986.24	8	3,624.03	8	3,260.75	8	2,897.47
1/4		1/4		1/4		1/4		1/4	4,647.16	1/4	4,325.40	1/4	3,978.79	1/4	3,616.46	1/4	3,253.18	1/4	2,889.90
1/2		1/2		1/2		1/2		1/2	4,640.67	1/2	4,318.41	1/2	3,971.35	1/2	3,608.90	1/2	3,245.61	1/2	2,882.33
3/4		3/4		3/4		3/4		3/4	4,634.18	3/4	4,311.42	3/4	3,963.91	3/4	3,601.33	3/4	3,238.04	3/4	2,874.76
9		9		9		9		9	4,627.68	9	4,304.41	9	3,956.45	9	3,593.76	9	3,230.48	9	2,867.19
1/4		1/4		1/4		1/4		1/4	4,621.15	1/4	4,297.36	1/4	3,948.97	1/4	3,586.19	1/4	3,222.91	1/4	2,859.62
1/2		1/2		1/2		1/2		1/2	4,614.63	1/2	4,290.32	1/2	3,941.48	1/2	3,578.62	1/2	3,215.34	1/2	2,852.06
3/4		3/4		3/4		3/4		3/4	4,608.11	3/4	4,283.28	3/4	3,934.00	3/4	3,571.05	3/4	3,207.77	3/4	2,844.49
10		10		10		10		10	4,601.56	10	4,276.21	10	3,926.51	10	3,563.48	10	3,200.20	10	2,836.92
1/4		1/4		1/4		1/4		1/4	4,595.00	1/4	4,269.13	1/4	3,918.99	1/4	3,555.92	1/4	3,192.63	1/4	2,829.35
1/2		1/2		1/2		1/2		1/2	4,588.44	1/2	4,262.05	1/2	3,911.47	1/2	3,548.35	1/2	3,185.06	1/2	2,821.78
3/4		3/4		3/4		3/4		3/4	4,581.88	3/4	4,254.97	3/4	3,903.95	3/4	3,540.78	3/4	3,177.50	3/4	2,814.21
11		11		11		11		11	4,575.30	11	4,247.87	11	3,896.42	11	3,533.21	11	3,169.93	11	2,806.64
1/4		1/4		1/4		1/4		1/4	4,568.70	1/4	4,240.75	1/4	3,888.87	1/4	3,525.64	1/4	3,162.36	1/4	2,799.08
1/2		1/2		1/2		1/2		1/2	4,562.10	1/2	4,233.63	1/2	3,881.32	1/2	3,518.07	1/2	3,154.79	1/2	2,791.51
3/4		3/4		3/4		3/4		3/4	4,555.50	3/4	4,226.51	3/4	3,873.77	3/4	3,510.51	3/4	3,147.22	3/4	2,783.94

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 54'-05" 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 28068"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 7/8"

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	2,413.09	0	2,049.80	0	1,686.51	0	1,327.09	0	964.75	0	601.58	0	238.25	0		0		0	
1/4	2,405.52	1/4	2,042.24	1/4	1,678.94	1/4	1,319.52	1/4	957.21	1/4	594.01	1/4	230.68	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,397.95	1/2	2,034.67	1/2	1,671.37	1/2	1,311.95	1/2	949.67	1/2	586.44	1/2	223.11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,390.38	3/4	2,027.10	3/4	1,663.80	3/4	1,304.38	3/4	942.13	3/4	578.87	3/4	215.54	3/4	3/4	3/4	3/4	3/4	3/4
1	2,382.81	1	2,019.53	1	1,656.23	1	1,296.81	1	934.58	1	571.30	1	207.97	1		1		1	
1/4	2,375.25	1/4	2,011.96	1/4	1,648.67	1/4	1,289.24	1/4	927.02	1/4	563.73	1/4	200.41	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,367.68	1/2	2,004.39	1/2	1,641.10	1/2	1,281.67	1/2	919.46	1/2	556.16	1/2	192.84	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,360.11	3/4	1,996.82	3/4	1,633.53	3/4	1,274.11	3/4	911.91	3/4	548.59	3/4	185.27	3/4	3/4	3/4	3/4	3/4	3/4
2	2,352.54	2	1,989.25	2	1,625.96	2	1,266.54	2	904.34	2	541.02	2	177.71	2		2		2	
1/4	2,344.97	1/4	1,981.68	1/4	1,618.39	1/4	1,258.97	1/4	896.77	1/4	533.46	1/4	170.15	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,337.40	1/2	1,974.12	1/2	1,610.82	1/2	1,251.40	1/2	889.21	1/2	525.89	1/2	162.59	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,329.84	3/4	1,966.55	3/4	1,603.25	3/4	1,243.83	3/4	881.64	3/4	518.32	3/4	155.03	3/4	3/4	3/4	3/4	3/4	3/4
3	2,322.27	3	1,958.98	3	1,595.69	3	1,236.26	3	874.07	3	510.75	3	147.48	3		3		3	
1/4	2,314.70	1/4	1,951.41	1/4	1,588.12	1/4	1,228.71	1/4	866.50	1/4	503.18	1/4	139.93	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,307.13	1/2	1,943.84	1/2	1,580.55	1/2	1,221.15	1/2	858.93	1/2	495.61	1/2	132.38	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,299.56	3/4	1,936.27	3/4	1,572.98	3/4	1,213.59	3/4	851.36	3/4	488.04	3/4	124.83	3/4	3/4	3/4	3/4	3/4	3/4
4	2,291.99	4	1,928.70	4	1,565.45	4	1,206.05	4	843.79	4	480.47	4	117.30	4		4		4	
1/4	2,284.43	1/4	1,921.14	1/4	1,557.96	1/4	1,198.50	1/4	836.22	1/4	472.90	1/4	109.77	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,276.86	1/2	1,913.57	1/2	1,550.48	1/2	1,190.96	1/2	828.65	1/2	465.33	1/2	102.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,269.29	3/4	1,906.00	3/4	1,542.99	3/4	1,183.42	3/4	821.09	3/4	457.76	3/4	94.71	3/4	3/4	3/4	3/4	3/4	3/4
5	2,261.72	5	1,898.43	5	1,535.54	5	1,175.88	5	813.52	5	450.19	5	87.20	5		5		5	
1/4	2,254.15	1/4	1,890.86	1/4	1,528.13	1/4	1,168.34	1/4	805.95	1/4	442.62	1/4	79.71	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,246.58	1/2	1,883.29	1/2	1,520.73	1/2	1,160.80	1/2	798.38	1/2	435.05	1/2	72.21	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,239.01	3/4	1,875.72	3/4	1,513.32	3/4	1,153.26	3/4	790.81	3/4	427.48	3/4	64.72	3/4	3/4	3/4	3/4	3/4	3/4
6	2,231.45	6	1,868.16	6	1,505.91	6	1,145.72	6	783.24	6	419.91	6	57.52	6		6		6	
1/4	2,223.88	1/4	1,860.59	1/4	1,498.51	1/4	1,138.18	1/4	775.67	1/4	412.34	1/4	50.64	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,216.31	1/2	1,853.02	1/2	1,491.10	1/2	1,130.64	1/2	768.10	1/2	404.78	1/2	43.75	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,208.74	3/4	1,845.45	3/4	1,483.69	3/4	1,123.10	3/4	760.53	3/4	397.21	3/4	36.86	3/4	3/4	3/4	3/4	3/4	3/4
7	2,201.17	7	1,837.88	7	1,476.29	7	1,115.56	7	752.97	7	389.64	7	30.89	7		7		7	
1/4	2,193.60	1/4	1,830.31	1/4	1,468.88	1/4	1,108.02	1/4	745.40	1/4	382.07	1/4	25.85	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,186.04	1/2	1,822.74	1/2	1,461.47	1/2	1,100.48	1/2	737.83	1/2	374.50	1/2	20.80	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,178.47	3/4	1,815.17	3/4	1,454.07	3/4	1,092.94	3/4	730.26	3/4	366.93	3/4	15.76	3/4	3/4	3/4	3/4	3/4	3/4
8	2,170.90	8	1,807.61	8	1,446.66	8	1,085.40	8	722.69	8	359.36	7 7/8	13.24	8		8		8	
1/4	2,163.33	1/4	1,800.04	1/4	1,439.25	1/4	1,077.86	1/4	715.12	1/4	351.79	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,155.76	1/2	1,792.47	1/2	1,431.85	1/2	1,070.32	1/2	707.55	1/2	344.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,148.19	3/4	1,784.90	3/4	1,424.44	3/4	1,062.78	3/4	699.98	3/4	336.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,140.63	9	1,777.33	9	1,417.03	9	1,055.24	9	692.41	9	329.08	9		9		9		9	
1/4	2,133.06	1/4	1,769.76	1/4	1,409.62	1/4	1,047.70	1/4	684.84	1/4	321.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,125.49	1/2	1,762.19	1/2	1,402.22	1/2	1,040.16	1/2	677.28	1/2	313.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,117.92	3/4	1,754.63	3/4	1,394.81	3/4	1,032.62	3/4	669.71	3/4	306.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,110.35	10	1,747.06	10	1,387.36	10	1,025.08	10	662.14	10	298.80	10		10		10		10	
1/4	2,102.78	1/4	1,739.49	1/4	1,379.87	1/4	1,017.54	1/4	654.57	1/4	291.23	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,095.22	1/2	1,731.92	1/2	1,372.38	1/2	1,010.00	1/2	647.00	1/2	283.67	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,087.65	3/4	1,724.35	3/4	1,364.90	3/4	1,002.46	3/4	639.43	3/4	276.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,080.08	11	1,716.78	11	1,357.37	11	994.92	11	631.86	11	268.53	11		11		11		11	
1/4	2,072.51	1/4	1,709.21	1/4	1,349.80	1/4	987.38	1/4	624.29	1/4	260.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,064.94	1/2	1,701.65	1/2	1,342.23	1/2	979.83	1/2	616.72	1/2	253.39	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,057.37	3/4	1,694.08	3/4	1,334.66	3/4	972.29	3/4	609.15	3/4	245.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/30/2004 CL - SW
CALCULATED: 10/01/2004 CL
PRINTED: 10/01/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2004

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



BARGE "KIRBY 28068"

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	4,213.44	0	3,953.14	0	3,678.86	0	3,399.02	0	3,038.69	0	2,675.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,208.15	1/4	3,947.53	1/4	3,673.03	1/4	3,392.31	1/4	3,031.12	1/4	2,667.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,457.56	1/2	4,202.86	1/2	3,941.93	1/2	3,667.20	1/2	3,385.60	1/2	2,660.23		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,452.84	3/4	4,197.57	3/4	3,936.32	3/4	3,661.37	3/4	3,378.89	3/4	2,652.66		
1		1		1		1		1	4,448.11	1	4,192.29	1	3,930.71	1	3,655.54	1	3,372.18	1	3,008.41	1	2,645.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,443.07	1/4	4,186.98	1/4	3,925.08	1/4	3,649.71	1/4	3,364.59	1/4	3,000.84	1/4	2,637.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,438.04	1/2	4,181.67	1/2	3,919.45	1/2	3,643.88	1/2	3,357.00	1/2	2,993.27	1/2	2,629.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,433.01	3/4	4,176.37	3/4	3,913.83	3/4	3,638.05	3/4	3,349.41	3/4	2,985.71	3/4	2,622.38
2		2		2		2		2	4,427.97	2	4,171.06	2	3,908.20	2	3,632.22	2	3,341.82	2	2,978.14	2	2,614.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,422.30	1/4	4,165.74	1/4	3,902.55	1/4	3,626.39	1/4	3,334.24	1/4	2,970.57	1/4	2,607.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,416.64	1/2	4,160.41	1/2	3,896.90	1/2	3,620.56	1/2	3,326.65	1/2	2,963.00	1/2	2,599.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,410.97	3/4	4,155.09	3/4	3,891.25	3/4	3,614.73	3/4	3,319.06	3/4	2,955.43	3/4	2,592.11
3		3		3		3		3	4,405.30	3	4,149.76	3	3,885.60	3	3,608.90	3	3,311.47	3	2,947.86	3	2,584.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,399.56	1/4	4,144.42	1/4	3,879.94	1/4	3,603.07	1/4	3,303.88	1/4	2,940.29	1/4	2,576.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,393.81	1/2	4,139.08	1/2	3,874.27	1/2	3,597.24	1/2	3,296.29	1/2	2,932.72	1/2	2,569.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,388.07	3/4	4,133.73	3/4	3,868.60	3/4	3,591.41	3/4	3,288.70	3/4	2,925.15	3/4	2,561.83
4		4		4		4		4	4,382.32	4	4,128.39	4	3,862.94	4	3,585.58	4	3,281.11	4	2,917.58	4	2,554.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,376.72	1/4	4,123.02	1/4	3,857.25	1/4	3,579.75	1/4	3,273.52	1/4	2,910.01	1/4	2,546.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,371.13	1/2	4,117.66	1/2	3,851.57	1/2	3,573.92	1/2	3,265.93	1/2	2,902.44	1/2	2,539.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,365.53	3/4	4,112.29	3/4	3,845.88	3/4	3,568.09	3/4	3,258.34	3/4	2,894.87	3/4	2,531.55
5		5		5		5		5	4,359.93	5	4,106.93	5	3,840.20	5	3,562.26	5	3,250.75	5	2,887.31	5	2,523.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,354.63	1/4	4,101.54	1/4	3,834.50	1/4	3,556.43	1/4	3,243.16	1/4	2,879.74	1/4	2,516.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,349.32	1/2	4,096.16	1/2	3,828.79	1/2	3,550.60	1/2	3,235.58	1/2	2,872.17	1/2	2,508.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,344.02	3/4	4,090.78	3/4	3,823.09	3/4	3,544.77	3/4	3,227.99	3/4	2,864.60	3/4	2,501.28
6		6		6		6		6	4,338.72	6	4,085.39	6	3,817.39	6	3,538.94	6	3,220.40	6	2,857.03	6	2,493.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,333.55	1/4	4,079.99	1/4	3,811.67	1/4	3,533.11	1/4	3,212.82	1/4	2,849.46	1/4	2,486.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,328.38	1/2	4,074.58	1/2	3,805.94	1/2	3,527.28	1/2	3,205.24	1/2	2,841.89	1/2	2,478.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,323.21	3/4	4,069.18	3/4	3,800.22	3/4	3,521.45	3/4	3,197.65	3/4	2,834.32	3/4	2,471.00
7		7		7		7		7	4,318.04	7	4,063.77	7	3,794.50	7	3,515.62	7	3,190.07	7	2,826.75	7	2,463.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,312.85	1/4	4,058.33	1/4	3,788.75	1/4	3,509.79	1/4	3,182.50	1/4	2,819.18	1/4	2,455.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,307.66	1/2	4,052.88	1/2	3,783.01	1/2	3,503.96	1/2	3,174.94	1/2	2,811.61	1/2	2,448.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,302.47	3/4	4,047.44	3/4	3,777.27	3/4	3,498.13	3/4	3,167.37	3/4	2,804.04	3/4	2,440.72
8		8		8		8		8	4,297.28	8	4,041.99	8	3,771.52	8	3,492.30	8	3,159.80	8	2,796.48	8	2,433.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,292.07	1/4	4,036.49	1/4	3,765.76	1/4	3,486.47	1/4	3,152.23	1/4	2,788.91	1/4	2,425.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,286.86	1/2	4,030.98	1/2	3,760.00	1/2	3,480.64	1/2	3,144.66	1/2	2,781.34	1/2	2,418.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,281.65	3/4	4,025.47	3/4	3,754.24	3/4	3,474.81	3/4	3,137.09	3/4	2,773.77	3/4	2,410.45
9		9		9		9		9	4,276.44	9	4,019.96	9	3,748.47	9	3,468.98	9	3,129.52	9	2,766.20	9	2,402.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,271.21	1/4	4,014.42	1/4	3,742.69	1/4	3,463.15	1/4	3,121.95	1/4	2,758.63	1/4	2,395.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,265.98	1/2	4,008.87	1/2	3,736.91	1/2	3,457.32	1/2	3,114.38	1/2	2,751.06	1/2	2,387.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,260.75	3/4	4,003.32	3/4	3,731.13	3/4	3,451.49	3/4	3,106.81	3/4	2,743.49	3/4	2,380.17
10		10		10		10		10	4,255.52	10	3,997.77	10	3,725.34	10	3,445.66	10	3,099.24	10	2,735.92	10	2,372.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,250.27	1/4	3,992.20	1/4	3,719.54	1/4	3,439.83	1/4	3,091.67	1/4	2,728.35	1/4	2,365.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,245.02	1/2	3,986.63	1/2	3,713.74	1/2	3,434.00	1/2	3,084.10	1/2	2,720.78	1/2	2,357.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,239.77	3/4	3,981.06	3/4	3,707.94	3/4	3,428.17	3/4	3,076.54	3/4	2,713.21	3/4	2,349.89
11		11		11		11		11	4,234.52	11	3,975.50	11	3,702.13	11	3,422.34	11	3,068.97	11	2,705.64	11	2,342.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,229.25	1/4	3,969.91	1/4	3,696.31	1/4	3,416.51	1/4	3,061.40	1/4	2,698.08	1/4	2,334.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,223.98	1/2	3,964.32	1/2	3,690.49	1/2	3,410.68	1/2	3,053.83	1/2	2,690.51	1/2	2,327.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,218.71	3/4	3,958.73	3/4	3,684.67	3/4	3,404.85	3/4	3,046.26	3/4	2,682.94	3/4	2,319.62

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 54'-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 28068"

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	2,312.05	0	1,948.72	0	1,585.44	0	1,226.64	0	872.22	0	516.05	0	151.72	0		0		0	
1/4	2,304.48	1/4	1,941.16	1/4	1,577.89	1/4	1,219.09	1/4	864.87	1/4	508.46	1/4	144.44	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,296.91	1/2	1,933.59	1/2	1,570.35	1/2	1,211.54	1/2	857.52	1/2	500.87	1/2	137.17	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,289.34	3/4	1,926.02	3/4	1,562.80	3/4	1,203.98	3/4	850.16	3/4	493.28	3/4	129.90	3/4	3/4	3/4	3/4	3/4	3/4
1	2,281.77	1	1,918.45	1	1,555.25	1	1,196.43	1	842.81	1	485.69	1	122.62	1		1		1	
1/4	2,274.20	1/4	1,910.88	1/4	1,547.71	1/4	1,188.87	1/4	835.44	1/4	478.10	1/4	116.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,266.63	1/2	1,903.31	1/2	1,540.16	1/2	1,181.32	1/2	828.08	1/2	470.51	1/2	109.97	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,259.06	3/4	1,895.74	3/4	1,532.62	3/4	1,173.76	3/4	820.71	3/4	462.92	3/4	103.65	3/4	3/4	3/4	3/4	3/4	3/4
2	2,251.49	2	1,888.17	2	1,525.07	2	1,166.21	2	813.34	2	455.33	2	97.33	2		2		2	
1/4	2,243.92	1/4	1,880.60	1/4	1,517.52	1/4	1,158.76	1/4	805.96	1/4	447.74	1/4	92.27	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,236.35	1/2	1,873.03	1/2	1,509.98	1/2	1,151.31	1/2	798.58	1/2	440.15	1/2	87.22	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,228.79	3/4	1,865.46	3/4	1,502.43	3/4	1,143.86	3/4	791.20	3/4	432.56	3/4	82.17	3/4	3/4	3/4	3/4	3/4	3/4
3	2,221.22	3	1,857.89	3	1,494.89	3	1,136.41	3	783.82	3	424.97	3	77.11	3		3		3	
1/4	2,213.65	1/4	1,850.32	1/4	1,487.34	1/4	1,129.07	1/4	776.44	1/4	417.38	1/4	73.33	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,206.08	1/2	1,842.75	1/2	1,479.79	1/2	1,121.73	1/2	769.06	1/2	409.78	1/2	69.56	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,198.51	3/4	1,835.18	3/4	1,472.25	3/4	1,114.39	3/4	761.68	3/4	402.19	3/4	65.78	3/4	3/4	3/4	3/4	3/4	3/4
4	2,190.94	4	1,827.61	4	1,464.70	4	1,107.05	4	754.30	4	394.60	4	62.00	4		4		4	
1/4	2,183.37	1/4	1,820.04	1/4	1,457.24	1/4	1,099.72	1/4	746.92	1/4	387.01	1/4	59.51	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,175.80	1/2	1,812.47	1/2	1,449.77	1/2	1,092.38	1/2	739.54	1/2	379.42	1/2	57.01	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,168.23	3/4	1,804.90	3/4	1,442.31	3/4	1,085.05	3/4	732.16	3/4	371.83	3/4	54.52	3/4	3/4	3/4	3/4	3/4	3/4
5	2,160.66	5	1,797.33	5	1,434.84	5	1,077.72	5	724.79	5	364.24	5	52.02	5		5		5	
1/4	2,153.09	1/4	1,789.77	1/4	1,427.45	1/4	1,070.38	1/4	717.41	1/4	356.65	1/4	50.83	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,145.52	1/2	1,782.20	1/2	1,420.05	1/2	1,063.05	1/2	710.03	1/2	349.06	1/2	49.63	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,137.95	3/4	1,774.63	3/4	1,412.65	3/4	1,055.72	3/4	702.65	3/4	341.47	3/4	48.43	3/4	3/4	3/4	3/4	3/4	3/4
6	2,130.39	6	1,767.06	6	1,405.26	6	1,048.39	6	695.27	6	333.88	6	47.24	6		6		6	
1/4	2,122.82	1/4	1,759.49	1/4	1,397.85	1/4	1,041.05	1/4	687.89	1/4	326.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,115.25	1/2	1,751.92	1/2	1,390.44	1/2	1,033.72	1/2	680.51	1/2	318.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,107.68	3/4	1,744.35	3/4	1,383.03	3/4	1,026.39	3/4	673.13	3/4	311.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,100.11	7	1,736.78	7	1,375.62	7	1,019.05	7	665.75	7	303.52	7		7		7		7	
1/4	2,092.54	1/4	1,729.21	1/4	1,368.22	1/4	1,011.72	1/4	658.37	1/4	295.93	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,084.97	1/2	1,721.64	1/2	1,360.81	1/2	1,004.39	1/2	650.99	1/2	288.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,077.40	3/4	1,714.07	3/4	1,353.40	3/4	997.06	3/4	643.61	3/4	280.75	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,069.83	8	1,706.50	8	1,345.99	8	989.72	8	636.23	8	273.16	8		8		8		8	
1/4	2,062.26	1/4	1,698.93	1/4	1,338.58	1/4	982.39	1/4	628.85	1/4	265.57	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,054.69	1/2	1,691.36	1/2	1,331.17	1/2	975.06	1/2	621.47	1/2	257.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,047.12	3/4	1,683.79	3/4	1,323.76	3/4	967.73	3/4	614.09	3/4	250.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,039.56	9	1,676.22	9	1,316.35	9	960.39	9	606.71	9	242.80	9		9		9		9	
1/4	2,031.99	1/4	1,668.66	1/4	1,308.95	1/4	953.05	1/4	599.23	1/4	235.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,024.42	1/2	1,661.09	1/2	1,301.55	1/2	945.71	1/2	591.74	1/2	227.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,016.85	3/4	1,653.52	3/4	1,294.15	3/4	938.37	3/4	584.25	3/4	220.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,009.28	10	1,645.95	10	1,286.75	10	931.03	10	576.77	10	212.44	10		10		10		10	
1/4	2,001.71	1/4	1,638.38	1/4	1,279.28	1/4	923.68	1/4	569.18	1/4	204.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,994.14	1/2	1,630.81	1/2	1,271.81	1/2	916.33	1/2	561.59	1/2	197.26	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,986.57	3/4	1,623.24	3/4	1,264.33	3/4	908.98	3/4	554.00	3/4	189.67	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,979.00	11	1,615.67	11	1,256.86	11	901.62	11	546.41	11	182.08	11		11		11		11	
1/4	1,971.43	1/4	1,608.11	1/4	1,249.31	1/4	894.27	1/4	538.82	1/4	174.49	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,963.86	1/2	1,600.55	1/2	1,241.75	1/2	886.92	1/2	531.23	1/2	166.90	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,956.29	3/4	1,593.00	3/4	1,234.20	3/4	879.57	3/4	523.64	3/4	159.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/30/2004 CL - SW
CALCULATED: 10/01/2004 CL
PRINTED: 10/01/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2004

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 28068"

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	4,491.49	0	4,237.82	0	3,977.43	0	3,703.04	0	3,423.11	0	3,062.20	0	2,697.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,486.76	1/4	4,232.53	1/4	3,971.82	1/4	3,697.21	1/4	3,416.39	1/4	3,054.61	1/4	2,690.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,482.03	1/2	4,227.24	1/2	3,966.21	1/2	3,691.38	1/2	3,409.68	1/2	3,047.02	1/2	2,682.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,477.30	3/4	4,221.95	3/4	3,960.60	3/4	3,685.55	3/4	3,402.96	3/4	3,039.43	3/4	2,675.02
1		1		1		1	4,472.57	1	4,216.66	1	3,954.99	1	3,679.72	1	3,396.25	1	3,031.84	1	2,667.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,467.53	1/4	4,211.35	1/4	3,949.35	1/4	3,673.89	1/4	3,388.66	1/4	3,024.24	1/4	2,659.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,462.50	1/2	4,206.04	1/2	3,943.72	1/2	3,668.06	1/2	3,381.06	1/2	3,016.65	1/2	2,652.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,457.46	3/4	4,200.73	3/4	3,938.09	3/4	3,662.23	3/4	3,373.47	3/4	3,009.06	3/4	2,644.65
2		2		2		2	4,452.42	2	4,195.42	2	3,932.46	2	3,656.39	2	3,365.88	2	3,001.47	2	2,637.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,446.75	1/4	4,190.10	1/4	3,926.81	1/4	3,650.56	1/4	3,358.29	1/4	2,993.88	1/4	2,629.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,441.09	1/2	4,184.77	1/2	3,921.16	1/2	3,644.73	1/2	3,350.70	1/2	2,986.28	1/2	2,621.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,435.42	3/4	4,179.45	3/4	3,915.51	3/4	3,638.90	3/4	3,343.10	3/4	2,978.69	3/4	2,614.28
3		3		3		3	4,429.75	3	4,174.12	3	3,909.86	3	3,633.07	3	3,335.51	3	2,971.10	3	2,606.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,424.00	1/4	4,168.77	1/4	3,904.20	1/4	3,627.23	1/4	3,327.92	1/4	2,963.51	1/4	2,599.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,418.25	1/2	4,163.43	1/2	3,898.53	1/2	3,621.40	1/2	3,320.33	1/2	2,955.92	1/2	2,591.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,412.50	3/4	4,158.08	3/4	3,892.86	3/4	3,615.57	3/4	3,312.74	3/4	2,948.33	3/4	2,583.91
4		4		4		4	4,406.76	4	4,152.73	4	3,887.19	4	3,609.74	4	3,305.14	4	2,940.73	4	2,576.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,401.16	1/4	4,147.37	1/4	3,881.50	1/4	3,603.90	1/4	3,297.55	1/4	2,933.14	1/4	2,568.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,395.56	1/2	4,142.00	1/2	3,875.82	1/2	3,598.07	1/2	3,289.96	1/2	2,925.55	1/2	2,561.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,389.96	3/4	4,136.63	3/4	3,870.13	3/4	3,592.24	3/4	3,282.37	3/4	2,917.96	3/4	2,553.55
5		5		5		5	4,384.36	5	4,131.27	5	3,864.44	5	3,586.41	5	3,274.78	5	2,910.37	5	2,545.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,379.06	1/4	4,125.88	1/4	3,858.74	1/4	3,580.58	1/4	3,267.19	1/4	2,902.77	1/4	2,538.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,373.75	1/2	4,120.50	1/2	3,853.03	1/2	3,574.74	1/2	3,259.59	1/2	2,895.18	1/2	2,530.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,368.44	3/4	4,115.11	3/4	3,847.33	3/4	3,568.91	3/4	3,252.00	3/4	2,887.59	3/4	2,523.18
6		6		6		6	4,363.14	6	4,109.72	6	3,841.62	6	3,563.08	6	3,244.41	6	2,880.00	6	2,515.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,357.97	1/4	4,104.32	1/4	3,835.90	1/4	3,557.25	1/4	3,236.82	1/4	2,872.41	1/4	2,508.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,352.79	1/2	4,098.91	1/2	3,830.17	1/2	3,551.41	1/2	3,229.23	1/2	2,864.81	1/2	2,500.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,347.62	3/4	4,093.50	3/4	3,824.45	3/4	3,545.58	3/4	3,221.63	3/4	2,857.22	3/4	2,492.81
7		7		7		7	4,342.45	7	4,088.10	7	3,818.72	7	3,539.75	7	3,214.04	7	2,849.63	7	2,485.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,337.26	1/4	4,082.65	1/4	3,812.98	1/4	3,533.92	1/4	3,206.45	1/4	2,842.04	1/4	2,477.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,332.07	1/2	4,077.20	1/2	3,807.23	1/2	3,528.09	1/2	3,198.86	1/2	2,834.45	1/2	2,470.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,326.88	3/4	4,071.76	3/4	3,801.49	3/4	3,522.25	3/4	3,191.27	3/4	2,826.85	3/4	2,462.44
8		8		8		8	4,321.68	8	4,066.31	8	3,795.74	8	3,516.42	8	3,183.67	8	2,819.26	8	2,454.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,316.47	1/4	4,060.80	1/4	3,789.98	1/4	3,510.59	1/4	3,176.08	1/4	2,811.67	1/4	2,447.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,311.26	1/2	4,055.29	1/2	3,784.21	1/2	3,504.76	1/2	3,168.49	1/2	2,804.08	1/2	2,439.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,306.05	3/4	4,049.78	3/4	3,778.45	3/4	3,498.92	3/4	3,160.90	3/4	2,796.49	3/4	2,432.08
9		9		9		9	4,300.84	9	4,044.27	9	3,772.68	9	3,493.09	9	3,153.31	9	2,788.90	9	2,424.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,295.60	1/4	4,038.72	1/4	3,766.90	1/4	3,487.26	1/4	3,145.71	1/4	2,781.30	1/4	2,416.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,290.37	1/2	4,033.17	1/2	3,761.11	1/2	3,481.43	1/2	3,138.12	1/2	2,773.71	1/2	2,409.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,285.14	3/4	4,027.62	3/4	3,755.33	3/4	3,475.60	3/4	3,130.53	3/4	2,766.12	3/4	2,401.71
10		10		10		10	4,279.91	10	4,022.07	10	3,749.55	10	3,469.76	10	3,122.94	10	2,758.53	10	2,394.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,274.66	1/4	4,016.50	1/4	3,743.74	1/4	3,463.93	1/4	3,115.35	1/4	2,750.94	1/4	2,386.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,269.41	1/2	4,010.93	1/2	3,737.94	1/2	3,458.10	1/2	3,107.76	1/2	2,743.34	1/2	2,378.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,264.15	3/4	4,005.36	3/4	3,732.13	3/4	3,452.27	3/4	3,100.16	3/4	2,735.75	3/4	2,371.34
11		11		11		11	4,258.90	11	3,999.79	11	3,726.33	11	3,446.43	11	3,092.57	11	2,728.16	11	2,363.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,253.63	1/4	3,994.20	1/4	3,720.51	1/4	3,440.60	1/4	3,084.98	1/4	2,720.57	1/4	2,356.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,248.36	1/2	3,988.61	1/2	3,714.68	1/2	3,434.77	1/2	3,077.39	1/2	2,712.98	1/2	2,348.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,243.09	3/4	3,983.02	3/4	3,708.86	3/4	3,428.94	3/4	3,069.80	3/4	2,705.38	3/4	2,340.97

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 54'-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 28068"

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	2,333.38	0	1,968.97	0	1,604.54	0	1,244.00	0	880.52	0	516.23	0	151.77	0		0		0	
1/4	2,325.79	1/4	1,961.38	1/4	1,596.95	1/4	1,236.41	1/4	872.96	1/4	508.64	1/4	144.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,318.20	1/2	1,953.78	1/2	1,589.36	1/2	1,228.81	1/2	865.39	1/2	501.05	1/2	137.22	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,310.61	3/4	1,946.19	3/4	1,581.77	3/4	1,221.22	3/4	857.82	3/4	493.45	3/4	129.94	3/4	3/4	3/4	3/4	3/4	3/4
1	2,303.01	1	1,938.60	1	1,574.18	1	1,213.63	1	850.26	1	485.86	1	122.67	1		1		1	
1/4	2,295.42	1/4	1,931.00	1/4	1,566.58	1/4	1,206.04	1/4	842.68	1/4	478.27	1/4	116.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,287.83	1/2	1,923.41	1/2	1,558.99	1/2	1,198.44	1/2	835.10	1/2	470.67	1/2	110.01	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,280.24	3/4	1,915.82	3/4	1,551.40	3/4	1,190.85	3/4	827.52	3/4	463.08	3/4	103.69	3/4	3/4	3/4	3/4	3/4	3/4
2	2,272.65	2	1,908.23	2	1,543.81	2	1,183.26	2	819.94	2	455.49	2	97.36	2		2		2	
1/4	2,265.05	1/4	1,900.64	1/4	1,536.22	1/4	1,175.67	1/4	812.35	1/4	447.90	1/4	92.31	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,257.46	1/2	1,893.04	1/2	1,528.62	1/2	1,168.07	1/2	804.75	1/2	440.30	1/2	87.25	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,249.87	3/4	1,885.45	3/4	1,521.03	3/4	1,160.48	3/4	797.16	3/4	432.71	3/4	82.20	3/4	3/4	3/4	3/4	3/4	3/4
3	2,242.28	3	1,877.86	3	1,513.44	3	1,152.89	3	789.57	3	425.12	3	77.14	3		3		3	
1/4	2,234.69	1/4	1,870.27	1/4	1,505.85	1/4	1,145.31	1/4	781.98	1/4	417.52	1/4	73.36	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,227.09	1/2	1,862.68	1/2	1,498.26	1/2	1,137.73	1/2	774.38	1/2	409.93	1/2	69.58	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,219.50	3/4	1,855.08	3/4	1,490.66	3/4	1,130.15	3/4	766.79	3/4	402.34	3/4	65.80	3/4	3/4	3/4	3/4	3/4	3/4
4	2,211.91	4	1,847.49	4	1,483.07	4	1,122.57	4	759.20	4	394.75	4	62.02	4		4		4	
1/4	2,204.32	1/4	1,839.90	1/4	1,475.56	1/4	1,115.00	1/4	751.61	1/4	387.15	1/4	59.53	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,196.73	1/2	1,832.31	1/2	1,468.05	1/2	1,107.44	1/2	744.01	1/2	379.56	1/2	57.03	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,189.14	3/4	1,824.72	3/4	1,460.54	3/4	1,099.87	3/4	736.42	3/4	371.97	3/4	54.54	3/4	3/4	3/4	3/4	3/4	3/4
5	2,181.54	5	1,817.12	5	1,453.03	5	1,092.31	5	728.83	5	364.37	5	52.04	5		5		5	
1/4	2,173.95	1/4	1,809.53	1/4	1,445.60	1/4	1,084.74	1/4	721.24	1/4	356.78	1/4	50.85	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,166.36	1/2	1,801.94	1/2	1,438.17	1/2	1,077.18	1/2	713.64	1/2	349.19	1/2	49.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,158.77	3/4	1,794.35	3/4	1,430.74	3/4	1,069.61	3/4	706.05	3/4	341.59	3/4	48.45	3/4	3/4	3/4	3/4	3/4	3/4
6	2,151.18	6	1,786.76	6	1,423.31	6	1,062.05	6	698.46	6	334.00	6	47.25	6		6		6	
1/4	2,143.58	1/4	1,779.16	1/4	1,415.88	1/4	1,054.49	1/4	690.87	1/4	326.41	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,135.99	1/2	1,771.57	1/2	1,408.45	1/2	1,046.92	1/2	683.27	1/2	318.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,128.40	3/4	1,763.98	3/4	1,401.01	3/4	1,039.36	3/4	675.68	3/4	311.22	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,120.81	7	1,756.39	7	1,393.58	7	1,031.80	7	668.09	7	303.63	7		7		7		7	
1/4	2,113.22	1/4	1,748.79	1/4	1,386.15	1/4	1,024.23	1/4	660.50	1/4	296.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,105.62	1/2	1,741.20	1/2	1,378.72	1/2	1,016.67	1/2	652.90	1/2	288.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,098.03	3/4	1,733.61	3/4	1,371.29	3/4	1,009.10	3/4	645.31	3/4	280.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,090.44	8	1,726.02	8	1,363.86	8	1,001.54	8	637.72	8	273.26	8		8		8		8	
1/4	2,082.85	1/4	1,718.43	1/4	1,356.43	1/4	993.98	1/4	630.13	1/4	265.67	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,075.26	1/2	1,710.83	1/2	1,349.00	1/2	986.41	1/2	622.53	1/2	258.07	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,067.66	3/4	1,703.24	3/4	1,341.57	3/4	978.85	3/4	614.94	3/4	250.48	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,060.07	9	1,695.65	9	1,334.14	9	971.29	9	607.35	9	242.89	9		9		9		9	
1/4	2,052.48	1/4	1,688.06	1/4	1,326.71	1/4	963.72	1/4	599.76	1/4	235.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,044.89	1/2	1,680.47	1/2	1,319.28	1/2	956.16	1/2	592.16	1/2	227.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,037.30	3/4	1,672.87	3/4	1,311.85	3/4	948.60	3/4	584.57	3/4	220.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,029.71	10	1,665.28	10	1,304.42	10	941.03	10	576.97	10	212.52	10		10		10		10	
1/4	2,022.11	1/4	1,657.69	1/4	1,296.91	1/4	933.47	1/4	569.38	1/4	204.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,014.52	1/2	1,650.10	1/2	1,289.40	1/2	925.90	1/2	561.79	1/2	197.33	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,006.93	3/4	1,642.51	3/4	1,281.88	3/4	918.34	3/4	554.20	3/4	189.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,999.34	11	1,634.91	11	1,274.37	11	910.78	11	546.60	11	182.14	11		11		11		11	
1/4	1,991.75	1/4	1,627.32	1/4	1,266.78	1/4	903.21	1/4	539.01	1/4	174.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,984.15	1/2	1,619.73	1/2	1,259.19	1/2	895.65	1/2	531.42	1/2	166.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,976.56	3/4	1,612.14	3/4	1,251.59	3/4	888.09	3/4	523.82	3/4	159.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/30/2004 CL - SW
CALCULATED: 10/01/2004 CL
PRINTED: 10/01/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2004

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