



KIRBY 21004T



Barge Strapping Tables





BARGE "KIRBY 21004 T"

ULLAGE TRIM TABLE

FORMERLY "S/R 262"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 186'-00"

January 12, 2004

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

<http://www.pmacorp.net>



BARGE "KIRBY 21004 T"

1 PORT ULLAGE TABLE

FORMERLY "SR 262"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0
0	1,298.24	6	1,053.07	0	807.52	0	581.96	0	337.76	0	92.60	0	0	0	0	0	0	0	0
1/4	1,293.12	1/4	1,047.96	1/4	802.41	1/4	556.85	1/4	332.64	1/4	87.47	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,288.00	1/2	1,042.84	1/2	797.29	1/2	552.13	1/2	327.52	1/2	82.34	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,282.88	3/4	1,037.73	3/4	792.17	3/4	547.42	3/4	322.40	3/4	77.21	3/4	0	3/4	0	3/4	0	3/4	0
1	1,277.77	1	1,032.61	1	787.06	1	542.70	1	317.29	1	72.08	1	0	1	0	1	0	1	0
1/4	1,272.65	1/4	1,027.50	1/4	781.94	1/4	537.99	1/4	312.17	1/4	66.95	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,267.54	1/2	1,022.38	1/2	776.82	1/2	533.41	1/2	307.05	1/2	61.82	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,262.43	3/4	1,017.27	3/4	771.71	3/4	528.83	3/4	301.93	3/4	56.69	3/4	0	3/4	0	3/4	0	3/4	0
1	1,257.32	1	1,012.15	1	766.59	1	524.25	1	296.81	1	51.57	1	0	1	0	1	0	1	0
1/4	1,252.21	1/4	1,007.04	1/4	761.48	1/4	519.67	1/4	291.69	1/4	46.44	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,247.10	1/2	1,001.92	1/2	756.36	1/2	515.09	1/2	286.57	1/2	41.79	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,241.99	3/4	996.81	3/4	751.25	3/4	510.51	3/4	281.45	3/4	37.14	3/4	0	3/4	0	3/4	0	3/4	0
1	1,236.89	1	991.69	1	746.13	1	505.93	1	276.34	1	32.49	1	0	1	0	1	0	1	0
1/4	1,231.78	1/4	986.58	1/4	741.02	1/4	501.35	1/4	271.22	1/4	27.84	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,226.67	1/2	981.46	1/2	735.90	1/2	496.77	1/2	266.10	1/2	23.19	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,221.57	3/4	976.34	3/4	730.78	3/4	492.18	3/4	260.99	3/4	18.54	3/4	0	3/4	0	3/4	0	3/4	0
1	1,216.46	1	971.23	1	725.67	1	487.60	1	255.87	1	13.74	1	0	1	0	1	0	1	0
1/4	1,211.36	1/4	966.11	1/4	720.55	1/4	483.02	1/4	250.76	1/4	8.89	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,206.25	1/2	960.99	1/2	715.43	1/2	478.44	1/2	245.64	1/2	4.04	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,201.14	3/4	955.88	3/4	710.32	3/4	473.86	3/4	240.53	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,196.04	1	950.76	1	705.20	1	469.28	1	235.41	1	0	1	0	1	0	1	0	1	0
1/4	1,190.93	1/4	945.65	1/4	700.09	1/4	464.70	1/4	230.30	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,185.82	1/2	940.53	1/2	694.97	1/2	460.12	1/2	225.22	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,180.71	3/4	935.42	3/4	689.86	3/4	455.54	3/4	220.15	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,175.61	1	930.30	1	684.74	1	450.96	1	215.07	1	0	1	0	1	0	1	0	1	0
1/4	1,170.50	1/4	925.19	1/4	679.63	1/4	446.38	1/4	210.00	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,165.39	1/2	920.07	1/2	674.51	1/2	441.79	1/2	204.93	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,160.29	3/4	914.95	3/4	669.39	3/4	437.21	3/4	199.87	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,155.18	1	909.84	1	664.28	1	432.62	1	194.80	1	0	1	0	1	0	1	0	1	0
1/4	1,150.08	1/4	904.72	1/4	659.16	1/4	428.04	1/4	189.74	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,144.97	1/2	899.60	1/2	654.04	1/2	423.46	1/2	184.67	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,139.87	3/4	894.49	3/4	648.93	3/4	418.87	3/4	179.60	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,134.76	1	889.37	1	643.81	1	414.29	1	174.54	1	0	1	0	1	0	1	0	1	0
1/4	1,129.66	1/4	884.26	1/4	638.70	1/4	409.71	1/4	169.47	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,124.55	1/2	879.14	1/2	633.58	1/2	405.13	1/2	164.36	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,119.45	3/4	874.03	3/4	628.47	3/4	400.54	3/4	159.24	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,114.34	1	868.91	1	623.35	1	395.96	1	154.13	1	0	1	0	1	0	1	0	1	0
1/4	1,109.24	1/4	863.80	1/4	618.24	1/4	391.38	1/4	149.02	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,104.14	1/2	858.68	1/2	613.12	1/2	386.80	1/2	143.89	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,099.03	3/4	853.56	3/4	608.00	3/4	382.21	3/4	138.76	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,093.93	1	848.45	1	602.89	1	377.63	1	133.63	1	0	1	0	1	0	1	0	1	0
1/4	1,088.83	1/4	843.33	1/4	597.77	1/4	373.05	1/4	128.50	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,083.72	1/2	838.21	1/2	592.65	1/2	368.46	1/2	123.37	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,078.62	3/4	833.10	3/4	587.54	3/4	363.88	3/4	118.24	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,073.51	1	827.98	1	582.42	1	359.09	1	113.12	1	0	1	0	1	0	1	0	1	0
1/4	1,068.41	1/4	822.87	1/4	577.31	1/4	354.11	1/4	107.99	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,063.30	1/2	817.75	1/2	572.19	1/2	349.99	1/2	102.86	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,058.18	3/4	812.64	3/4	567.08	3/4	342.87	3/4	97.73	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12211993 S1
 DECK MEASUREMENTS: 01/06/2004 SW CL
 REPRINTED: 01/23/2004 SW
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 01/2004

PRECISION MEASUREMENT
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BARGE "KIRBY 21004 T"

1 STBD ULLAGE TABLE

FORMERLY "SR 282"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 15'-04 3/8"												
0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	N	8 FT.	N	9 FT.	
0	0	2,739.49	0	2,812.90	0	2,486.18	0	2,316.62	0	2,070.40	0	1,823.52	0	1,576.64
1/4	1/4	2,736.92	1/4	2,810.26	1/4	2,483.54	1/4	2,311.52	1/4	2,065.26	1/4	1,818.38	1/4	1,571.49
1/2	1/2	2,734.32	1/2	2,807.62	1/2	2,480.90	1/2	2,308.42	1/2	2,062.12	1/2	1,813.24	1/2	1,566.35
3/4	3/4	2,731.70	3/4	2,804.98	3/4	2,478.26	3/4	2,305.32	3/4	2,058.88	3/4	1,808.09	3/4	1,561.21
1	1	2,729.07	1	2,802.33	1	2,475.63	1	2,298.21	1	2,049.83	1	1,802.95	1	1,556.06
1 1/4	1 1/4	2,726.45	1 1/4	2,799.69	1 1/4	2,472.99	1 1/4	2,291.11	1 1/4	2,044.69	1 1/4	1,797.80	1 1/4	1,550.92
1 1/2	1 1/2	2,723.82	1 1/2	2,797.05	1 1/2	2,470.35	1 1/2	2,286.01	1 1/2	2,039.55	1 1/2	1,792.66	1 1/2	1,545.78
1 3/4	1 3/4	2,721.18	1 3/4	2,794.41	1 3/4	2,467.71	1 3/4	2,280.91	1 3/4	2,034.40	1 3/4	1,787.52	1 3/4	1,540.64
2	2	2,718.54	2	2,791.77	2	2,465.07	2	2,275.81	2	2,029.26	2	1,782.37	2	1,535.49
2 1/4	2 1/4	2,715.90	2 1/4	2,789.13	2 1/4	2,462.44	2 1/4	2,270.71	2 1/4	2,024.11	2 1/4	1,777.23	2 1/4	1,530.35
2 1/2	2 1/2	2,713.26	2 1/2	2,786.48	2 1/2	2,459.80	2 1/2	2,265.60	2 1/2	2,018.97	2 1/2	1,772.09	2 1/2	1,525.21
2 3/4	2 3/4	2,710.62	2 3/4	2,783.85	2 3/4	2,457.16	2 3/4	2,260.48	2 3/4	2,013.83	2 3/4	1,766.95	2 3/4	1,520.06
3	3	2,707.97	3	2,781.20	3	2,454.53	3	2,255.35	3	2,008.69	3	1,761.80	3	1,514.92
3 1/4	3 1/4	2,705.33	3 1/4	2,778.56	3 1/4	2,451.89	3 1/4	2,250.23	3 1/4	2,003.54	3 1/4	1,756.66	3 1/4	1,509.77
3 1/2	3 1/2	2,702.69	3 1/2	2,775.92	3 1/2	2,449.25	3 1/2	2,245.10	3 1/2	1,998.40	3 1/2	1,751.52	3 1/2	1,504.63
3 3/4	3 3/4	2,700.05	3 3/4	2,773.28	3 3/4	2,446.61	3 3/4	2,239.97	3 3/4	1,993.26	3 3/4	1,746.37	3 3/4	1,499.49
4	4	2,697.41	4	2,770.64	4	2,443.98	4	2,234.84	4	1,988.11	4	1,741.23	4	1,494.34
4 1/4	4 1/4	2,694.77	4 1/4	2,768.00	4 1/4	2,441.34	4 1/4	2,229.71	4 1/4	1,982.97	4 1/4	1,736.08	4 1/4	1,489.20
4 1/2	4 1/2	2,692.13	4 1/2	2,765.36	4 1/2	2,438.62	4 1/2	2,224.58	4 1/2	1,977.83	4 1/2	1,730.94	4 1/2	1,484.06
4 3/4	4 3/4	2,689.49	4 3/4	2,762.72	4 3/4	2,435.93	4 3/4	2,219.45	4 3/4	1,972.68	4 3/4	1,725.80	4 3/4	1,478.92
5	5	2,686.84	5	2,760.08	5	2,433.28	5	2,214.32	5	1,967.54	5	1,720.65	5	1,473.77
5 1/4	5 1/4	2,684.20	5 1/4	2,757.44	5 1/4	2,430.62	5 1/4	2,209.19	5 1/4	1,962.39	5 1/4	1,715.51	5 1/4	1,468.63
5 1/2	5 1/2	2,681.56	5 1/2	2,754.80	5 1/2	2,427.97	5 1/2	2,204.06	5 1/2	1,957.25	5 1/2	1,710.37	5 1/2	1,463.49
5 3/4	5 3/4	2,678.92	5 3/4	2,752.16	5 3/4	2,425.31	5 3/4	2,198.93	5 3/4	1,952.11	5 3/4	1,705.23	5 3/4	1,458.34
6	6	2,676.28	6	2,749.51	6	2,422.65	6	2,193.80	6	1,946.96	6	1,700.08	6	1,453.20
6 1/4	6 1/4	2,673.64	6 1/4	2,746.87	6 1/4	2,419.99	6 1/4	2,188.67	6 1/4	1,941.82	6 1/4	1,694.94	6 1/4	1,448.05
6 1/2	6 1/2	2,671.00	6 1/2	2,744.23	6 1/2	2,417.34	6 1/2	2,183.53	6 1/2	1,936.68	6 1/2	1,689.80	6 1/2	1,442.91
6 3/4	6 3/4	2,668.36	6 3/4	2,741.59	6 3/4	2,414.68	6 3/4	2,178.40	6 3/4	1,931.53	6 3/4	1,684.65	6 3/4	1,437.77
7	7	2,665.72	7	2,738.95	7	2,412.02	7	2,173.26	7	1,926.39	7	1,679.51	7	1,432.62
7 1/4	7 1/4	2,663.08	7 1/4	2,736.31	7 1/4	2,409.36	7 1/4	2,168.13	7 1/4	1,921.24	7 1/4	1,674.36	7 1/4	1,427.48
7 1/2	7 1/2	2,660.44	7 1/2	2,733.67	7 1/2	2,406.70	7 1/2	2,162.99	7 1/2	1,916.10	7 1/2	1,669.22	7 1/2	1,422.34
7 3/4	7 3/4	2,657.80	7 3/4	2,731.03	7 3/4	2,404.04	7 3/4	2,157.84	7 3/4	1,910.98	7 3/4	1,664.08	7 3/4	1,417.19
8	8	2,655.15	8	2,728.38	8	2,401.38	8	2,152.70	8	1,905.81	8	1,658.93	8	1,412.05
8 1/4	8 1/4	2,652.51	8 1/4	2,725.74	8 1/4	2,398.72	8 1/4	2,147.55	8 1/4	1,900.67	8 1/4	1,653.79	8 1/4	1,406.90
8 1/2	8 1/2	2,649.87	8 1/2	2,723.10	8 1/2	2,396.06	8 1/2	2,142.41	8 1/2	1,895.53	8 1/2	1,648.65	8 1/2	1,401.76
8 3/4	8 3/4	2,647.23	8 3/4	2,720.46	8 3/4	2,393.40	8 3/4	2,137.27	8 3/4	1,890.39	8 3/4	1,643.50	8 3/4	1,396.62
9	9	2,644.59	9	2,717.83	9	2,390.74	9	2,132.12	9	1,885.24	9	1,638.36	9	1,391.47
9 1/4	9 1/4	2,641.95	9 1/4	2,715.19	9 1/4	2,388.08	9 1/4	2,126.98	9 1/4	1,880.10	9 1/4	1,633.21	9 1/4	1,386.33
9 1/2	9 1/2	2,639.31	9 1/2	2,712.55	9 1/2	2,385.42	9 1/2	2,121.84	9 1/2	1,874.96	9 1/2	1,628.07	9 1/2	1,381.19
9 3/4	9 3/4	2,636.67	9 3/4	2,709.91	9 3/4	2,382.76	9 3/4	2,116.70	9 3/4	1,869.81	9 3/4	1,622.93	9 3/4	1,376.05
10	10	2,634.02	10	2,707.28	10	2,380.10	10	2,111.55	10	1,864.67	10	1,617.78	10	1,370.90
10 1/4	10 1/4	2,631.38	10 1/4	2,704.64	10 1/4	2,377.44	10 1/4	2,106.41	10 1/4	1,859.52	10 1/4	1,612.64	10 1/4	1,365.76
10 1/2	10 1/2	2,628.74	10 1/2	2,702.00	10 1/2	2,374.78	10 1/2	2,101.27	10 1/2	1,854.38	10 1/2	1,607.50	10 1/2	1,360.62
10 3/4	10 3/4	2,626.10	10 3/4	2,699.36	10 3/4	2,372.12	10 3/4	2,096.12	10 3/4	1,849.24	10 3/4	1,602.36	10 3/4	1,355.47
11	11	2,623.46	11	2,696.73	11	2,369.46	11	2,090.98	11	1,844.09	11	1,597.21	11	1,350.33
11 1/4	11 1/4	2,620.82	11 1/4	2,694.09	11 1/4	2,366.80	11 1/4	2,085.83	11 1/4	1,838.95	11 1/4	1,592.07	11 1/4	1,345.18
11 1/2	11 1/2	2,618.18	11 1/2	2,691.45	11 1/2	2,364.14	11 1/2	2,080.69	11 1/2	1,833.81	11 1/2	1,586.93	11 1/2	1,340.04
11 3/4	11 3/4	2,615.54	11 3/4	2,688.81	11 3/4	2,361.48	11 3/4	2,075.55	11 3/4	1,828.67	11 3/4	1,581.78	11 3/4	1,334.90

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 11'-00" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD.

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

SHEET NO 3 OF 20



BARGE "KIRBY 21004 T"

1 STBD ULLAGE TABLE

FORMERLY "SR 282"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0	1,329.75	0	1,082.87	0	835.99	0	589.10	0	342.22	0	95.39	0	0	0	0	0	0	0	0
1/4	1,324.61	1/4	1,077.73	1/4	830.84	1/4	583.96	1/4	337.09	1/4	90.25	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,319.47	1/2	1,072.59	1/2	825.70	1/2	578.82	1/2	331.94	1/2	85.11	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,314.33	3/4	1,067.44	3/4	820.56	3/4	573.68	3/4	326.80	3/4	79.97	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
1	1,308.18	1	1,062.30	1	815.41	1	568.53	1	321.65	1	74.83	1	0	1	1	1	1	1	1
1 1/4	1,304.04	1 1/4	1,057.15	1 1/4	810.27	1 1/4	563.39	1 1/4	316.51	1 1/4	69.69	1 1/4	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,298.90	1 1/2	1,052.01	1 1/2	805.13	1 1/2	558.25	1 1/2	311.37	1 1/2	64.55	1 1/2	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/2	1,293.75	3/2	1,046.87	3/2	799.99	3/2	553.10	3/2	306.23	3/2	59.41	3/2	0	3/2	3/2	3/2	3/2	3/2	3/2
2	1,288.61	2	1,041.72	2	794.84	2	547.96	2	301.08	2	54.28	2	0	2	2	2	2	2	2
2 1/4	1,283.46	2 1/4	1,036.58	2 1/4	789.70	2 1/4	542.81	2 1/4	295.94	2 1/4	49.12	2 1/4	0	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	1,278.32	2 1/2	1,031.44	2 1/2	784.56	2 1/2	537.67	2 1/2	290.80	2 1/2	44.22	2 1/2	0	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
3/2	1,273.18	3/2	1,026.30	3/2	779.41	3/2	532.53	3/2	285.66	3/2	39.56	3/2	0	3/2	3/2	3/2	3/2	3/2	3/2
3	1,268.03	3	1,021.15	3	774.27	3	527.38	3	280.51	3	34.80	3	0	3	3	3	3	3	3
3 1/4	1,262.89	3 1/4	1,016.01	3 1/4	769.12	3 1/4	522.24	3 1/4	275.37	3 1/4	30.24	3 1/4	0	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	1,257.75	3 1/2	1,010.87	3 1/2	763.98	3 1/2	517.10	3 1/2	270.23	3 1/2	26.14	3 1/2	0	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	1,252.61	3 3/4	1,005.72	3 3/4	758.84	3 3/4	511.96	3 3/4	265.09	3 3/4	22.81	3 3/4	0	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	1,247.46	4	1,000.58	4	753.69	4	506.81	4	259.94	4	19.07	4	0	4	4	4	4	4	4
4 1/4	1,242.32	4 1/4	995.43	4 1/4	748.55	4 1/4	501.67	4 1/4	254.80	4 1/4	15.54	4 1/4	0	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	1,237.18	4 1/2	990.29	4 1/2	743.41	4 1/2	496.53	4 1/2	249.66	4 1/2	13.77	4 1/2	0	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
3/2	1,232.03	3/2	985.15	3/2	738.27	3/2	491.38	3/2	244.52	3/2	10.00	3/2	0	3/2	3/2	3/2	3/2	3/2	3/2
5	1,226.89	5	980.00	5	733.12	5	486.24	5	239.38	5	6.50	5	0	5	5	5	5	5	5
5 1/4	1,221.74	5 1/4	974.86	5 1/4	727.98	5 1/4	481.09	5 1/4	234.24	5 1/4	3.24	5 1/4	0	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	1,216.60	5 1/2	969.72	5 1/2	722.84	5 1/2	475.95	5 1/2	229.10	5 1/2	0	5 1/2	0	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
3/4	1,211.46	3/4	964.58	3/4	717.69	3/4	470.81	3/4	223.96	3/4	0	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
6	1,206.31	6	959.43	6	712.55	6	465.66	6	218.61	6	0	6	0	6	6	6	6	6	6
6 1/4	1,201.17	6 1/4	954.29	6 1/4	707.40	6 1/4	460.52	6 1/4	213.47	6 1/4	0	6 1/4	0	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	1,196.03	6 1/2	949.15	6 1/2	702.26	6 1/2	455.38	6 1/2	208.33	6 1/2	0	6 1/2	0	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
3/4	1,190.89	3/4	944.00	3/4	697.12	3/4	450.24	3/4	203.19	3/4	0	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
7	1,185.74	7	938.86	7	691.97	7	445.09	7	198.04	7	0	7	0	7	7	7	7	7	7
7 1/4	1,180.60	7 1/4	933.71	7 1/4	686.83	7 1/4	439.95	7 1/4	192.90	7 1/4	0	7 1/4	0	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	1,175.46	7 1/2	928.57	7 1/2	681.69	7 1/2	434.81	7 1/2	187.76	7 1/2	0	7 1/2	0	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
3/4	1,170.31	3/4	923.43	3/4	676.55	3/4	429.66	3/4	182.62	3/4	0	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
8	1,165.17	8	918.28	8	671.40	8	424.52	8	177.47	8	0	8	0	8	8	8	8	8	8
8 1/4	1,160.02	8 1/4	913.14	8 1/4	666.26	8 1/4	419.37	8 1/4	172.33	8 1/4	0	8 1/4	0	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	1,154.88	8 1/2	908.00	8 1/2	661.12	8 1/2	414.23	8 1/2	167.19	8 1/2	0	8 1/2	0	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
3/4	1,149.74	3/4	902.85	3/4	655.97	3/4	409.09	3/4	162.05	3/4	0	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
9	1,144.59	9	897.71	9	650.83	9	403.94	9	157.10	9	0	9	0	9	9	9	9	9	9
9 1/4	1,139.45	9 1/4	892.58	9 1/4	645.68	9 1/4	398.80	9 1/4	151.96	9 1/4	0	9 1/4	0	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	1,134.31	9 1/2	887.42	9 1/2	640.54	9 1/2	393.66	9 1/2	146.82	9 1/2	0	9 1/2	0	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
3/4	1,129.16	3/4	882.28	3/4	635.40	3/4	388.51	3/4	141.68	3/4	0	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
10	1,124.02	10	877.13	10	630.25	10	383.37	10	136.53	10	0	10	0	10	10	10	10	10	10
10 1/4	1,118.87	10 1/4	871.99	10 1/4	625.11	10 1/4	378.22	10 1/4	131.39	10 1/4	0	10 1/4	0	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	1,113.73	10 1/2	866.85	10 1/2	619.97	10 1/2	373.08	10 1/2	126.25	10 1/2	0	10 1/2	0	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
3/4	1,108.59	3/4	861.71	3/4	614.82	3/4	367.94	3/4	121.11	3/4	0	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
11	1,103.44	11	856.56	11	609.68	11	362.79	11	115.96	11	0	11	0	11	11	11	11	11	11
11 1/4	1,098.30	11 1/4	851.42	11 1/4	604.53	11 1/4	357.65	11 1/4	110.82	11 1/4	0	11 1/4	0	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	1,093.16	11 1/2	846.28	11 1/2	599.39	11 1/2	352.51	11 1/2	105.68	11 1/2	0	11 1/2	0	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
3/4	1,088.02	3/4	841.13	3/4	594.25	3/4	347.37	3/4	100.54	3/4	0	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 12/11/93 81
 DECK MEASUREMENTS: 0106/2004 SW CL
 REPRINTED: 01/23/2004 SW
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 01/20/04

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



BARGE "KIRBY 21004 T"

2 PORT ULLAGE TABLE

FORMERLY "SR 282"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS																GAUGE HEIGHT 15'-04 1/4"				
0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	0	1/4	1/2	3/4	1	1 1/4					
0	0	0	1,242.48	1,141.31	1,040.03	0	0	0	0	938.79	0	837.48	0	736.17	0	634.86				
1/4	1/4	1/4	1,240.42	1,139.20	1,037.92	1/4	1/4	1/4	1/4	936.87	1/4	835.37	1/4	734.06	1/4	632.75				
1/2	1/2	1/2	1,238.33	1,137.08	1,035.81	1/2	1/2	1/2	1/2	934.56	1/2	833.28	1/2	731.95	1/2	630.64				
3/4	3/4	3/4	1,236.24	1,134.98	1,033.70	3/4	3/4	3/4	3/4	932.45	3/4	831.15	3/4	729.84	3/4	628.53				
1	1	1	1,234.15	1,132.87	1,031.59	1	1	1	1	930.34	1	829.04	1	727.73	1	626.42				
1 1/4	1 1/4	1 1/4	1,232.06	1,130.76	1,029.49	1 1/4	1 1/4	1 1/4	1 1/4	928.23	1 1/4	826.92	1 1/4	725.61	1 1/4	624.31				
1 1/2	1 1/2	1 1/2	1,229.95	1,128.65	1,027.38	1 1/2	1 1/2	1 1/2	1 1/2	926.12	1 1/2	824.81	1 1/2	723.50	1 1/2	622.20				
3/4	3/4	3/4	1,227.84	1,126.54	1,025.27	3/4	3/4	3/4	3/4	924.01	3/4	822.70	3/4	721.39	3/4	620.09				
2	2	2	1,225.73	1,124.43	1,023.16	2	2	2	2	921.90	2	820.59	2	719.28	2	617.98				
2 1/4	2 1/4	2 1/4	1,223.63	1,122.32	1,021.05	2 1/4	2 1/4	2 1/4	2 1/4	919.79	2 1/4	818.48	2 1/4	717.17	2 1/4	615.86				
2 1/2	2 1/2	2 1/2	1,221.52	1,120.21	1,018.94	2 1/2	2 1/2	2 1/2	2 1/2	917.68	2 1/2	816.37	2 1/2	715.06	2 1/2	613.75				
3 1/4	3 1/4	3 1/4	1,219.41	1,118.10	1,016.83	3 1/4	3 1/4	3 1/4	3 1/4	915.57	3 1/4	814.26	3 1/4	712.95	3 1/4	611.64				
3	3	3	1,217.30	1,115.99	1,014.72	3	3	3	3	913.46	3	812.15	3	710.84	3	609.53				
3 1/4	3 1/4	3 1/4	1,215.18	1,113.87	1,012.61	3 1/4	3 1/4	3 1/4	3 1/4	911.35	3 1/4	810.04	3 1/4	708.73	3 1/4	607.42				
3 1/2	3 1/2	3 1/2	1,213.07	1,111.76	1,010.51	3 1/2	3 1/2	3 1/2	3 1/2	909.24	3 1/2	807.93	3 1/2	706.62	3 1/2	605.31				
3 3/4	3 3/4	3 3/4	1,210.96	1,109.65	1,008.40	3 3/4	3 3/4	3 3/4	3 3/4	907.13	3 3/4	805.82	3 3/4	704.51	3 3/4	603.20				
4	4	4	1,208.85	1,107.54	1,006.29	4	4	4	4	905.02	4	803.71	4	702.40	4	601.09				
4 1/4	4 1/4	4 1/4	1,206.74	1,105.43	1,004.18	4 1/4	4 1/4	4 1/4	4 1/4	902.90	4 1/4	801.60	4 1/4	700.29	4 1/4	598.98				
4 1/2	4 1/2	4 1/2	1,204.63	1,103.32	1,002.07	4 1/2	4 1/2	4 1/2	4 1/2	900.79	4 1/2	799.49	4 1/2	698.18	4 1/2	596.87				
4 3/4	4 3/4	4 3/4	1,202.52	1,101.21	999.96	4 3/4	4 3/4	4 3/4	4 3/4	898.68	4 3/4	797.38	4 3/4	696.07	4 3/4	594.76				
5	5	5	1,200.41	1,099.10	997.85	5	5	5	5	896.57	5	795.27	5	693.96	5	592.65				
5 1/4	5 1/4	5 1/4	1,198.30	1,096.99	995.75	5 1/4	5 1/4	5 1/4	5 1/4	894.46	5 1/4	793.15	5 1/4	692.84	5 1/4	590.54				
5 1/2	5 1/2	5 1/2	1,196.19	1,094.88	993.64	5 1/2	5 1/2	5 1/2	5 1/2	892.35	5 1/2	791.04	5 1/2	690.73	5 1/2	588.43				
5 3/4	5 3/4	5 3/4	1,194.08	1,092.77	991.53	5 3/4	5 3/4	5 3/4	5 3/4	890.24	5 3/4	788.93	5 3/4	689.62	5 3/4	586.32				
6	6	6	1,191.97	1,090.66	989.42	6	6	6	6	888.13	6	786.82	6	687.51	6	584.21				
6 1/4	6 1/4	6 1/4	1,189.86	1,088.55	987.31	6 1/4	6 1/4	6 1/4	6 1/4	886.02	6 1/4	784.71	6 1/4	685.40	6 1/4	582.09				
6 1/2	6 1/2	6 1/2	1,187.75	1,086.44	985.20	6 1/2	6 1/2	6 1/2	6 1/2	883.91	6 1/2	782.60	6 1/2	683.29	6 1/2	579.98				
6 3/4	6 3/4	6 3/4	1,185.64	1,084.33	983.10	6 3/4	6 3/4	6 3/4	6 3/4	881.80	6 3/4	780.49	6 3/4	681.18	6 3/4	577.87				
7	7	7	1,183.53	1,082.22	980.99	7	7	7	7	879.69	7	778.38	7	679.07	7	575.76				
7 1/4	7 1/4	7 1/4	1,181.41	1,080.11	978.89	7 1/4	7 1/4	7 1/4	7 1/4	877.58	7 1/4	776.27	7 1/4	676.96	7 1/4	573.65				
7 1/2	7 1/2	7 1/2	1,179.30	1,078.00	976.78	7 1/2	7 1/2	7 1/2	7 1/2	875.47	7 1/2	774.16	7 1/2	674.85	7 1/2	571.54				
7 3/4	7 3/4	7 3/4	1,177.19	1,075.89	974.67	7 3/4	7 3/4	7 3/4	7 3/4	873.36	7 3/4	772.05	7 3/4	672.74	7 3/4	569.43				
8	8	8	1,175.08	1,073.78	972.56	8	8	8	8	871.25	8	769.94	8	670.63	8	567.32				
8 1/4	8 1/4	8 1/4	1,172.97	1,071.67	970.44	8 1/4	8 1/4	8 1/4	8 1/4	869.13	8 1/4	767.83	8 1/4	668.52	8 1/4	565.21				
8 1/2	8 1/2	8 1/2	1,170.86	1,069.56	968.33	8 1/2	8 1/2	8 1/2	8 1/2	867.02	8 1/2	765.72	8 1/2	666.41	8 1/2	563.10				
8 3/4	8 3/4	8 3/4	1,168.75	1,067.45	966.22	8 3/4	8 3/4	8 3/4	8 3/4	864.91	8 3/4	763.61	8 3/4	664.30	8 3/4	560.99				
9	9	9	1,166.64	1,065.34	964.11	9	9	9	9	862.80	9	761.50	9	662.19	9	558.88				
9 1/4	9 1/4	9 1/4	1,164.53	1,063.23	962.00	9 1/4	9 1/4	9 1/4	9 1/4	860.69	9 1/4	759.38	9 1/4	660.07	9 1/4	556.77				
9 1/2	9 1/2	9 1/2	1,162.42	1,061.12	959.89	9 1/2	9 1/2	9 1/2	9 1/2	858.58	9 1/2	757.27	9 1/2	657.96	9 1/2	554.66				
9 3/4	9 3/4	9 3/4	1,160.31	1,059.01	957.78	9 3/4	9 3/4	9 3/4	9 3/4	856.47	9 3/4	755.16	9 3/4	655.85	9 3/4	552.55				
10	10	10	1,158.20	1,056.90	955.67	10	10	10	10	854.36	10	753.05	10	653.74	10	550.44				
10 1/4	10 1/4	10 1/4	1,156.09	1,054.79	953.56	10 1/4	10 1/4	10 1/4	10 1/4	852.25	10 1/4	750.94	10 1/4	651.63	10 1/4	548.33				
10 1/2	10 1/2	10 1/2	1,153.98	1,052.68	951.45	10 1/2	10 1/2	10 1/2	10 1/2	850.14	10 1/2	748.83	10 1/2	649.52	10 1/2	546.22				
10 3/4	10 3/4	10 3/4	1,151.87	1,050.57	949.34	10 3/4	10 3/4	10 3/4	10 3/4	848.03	10 3/4	746.72	10 3/4	648.41	10 3/4	544.11				
11	11	11	1,149.76	1,048.46	947.23	11	11	11	11	845.92	11	744.61	11	647.30	11	541.99				
11 1/4	11 1/4	11 1/4	1,147.64	1,046.35	945.12	11 1/4	11 1/4	11 1/4	11 1/4	843.81	11 1/4	742.50	11 1/4	645.19	11 1/4	539.88				
11 1/2	11 1/2	11 1/2	1,145.53	1,044.25	943.01	11 1/2	11 1/2	11 1/2	11 1/2	841.70	11 1/2	740.39	11 1/2	643.08	11 1/2	537.77				
11 3/4	11 3/4	11 3/4	1,143.42	1,042.14	940.90	11 3/4	11 3/4	11 3/4	11 3/4	839.59	11 3/4	738.28	11 3/4	640.97	11 3/4	535.66				

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE CALIBERS TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 10'-00" 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.pma Corp.net>

[Signature]



BARGE "KIRBY 21004 T"

2 PORT ULLAGE TABLE

GAUGE HEIGHT 15'-04 1/4"

FORMERLY "SR 282"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H
0	533.55	6	432.24	0	330.93	0	229.62	0	139.57	0	38.27	0	0	0	0	0	0	0	0
1/4	531.44	1/4	430.13	1/4	328.82	1/4	227.50	1/4	137.47	1/4	36.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	529.33	1/2	428.02	1/2	326.71	1/2	225.37	1/2	135.36	1/2	34.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	527.22	3/4	425.91	3/4	324.60	3/4	223.25	3/4	133.25	3/4	31.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	525.11	1	423.80	1	322.49	1	221.14	1	131.14	1	29.83	1	1	1	1	1	1	1	1
1/4	523.00	1/4	421.69	1/4	320.38	1/4	219.04	1/4	129.03	1/4	27.72	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	520.89	1/2	419.58	1/2	318.27	1/2	216.92	1/2	126.92	1/2	25.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	518.78	3/4	417.47	3/4	316.16	3/4	214.81	3/4	124.81	3/4	23.50	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	516.67	2	415.36	2	314.05	2	212.70	2	122.70	2	21.39	2	2	2	2	2	2	2	2
1/4	514.55	1/4	413.25	1/4	311.94	1/4	210.58	1/4	120.58	1/4	19.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	512.44	1/2	411.14	1/2	309.83	1/2	208.47	1/2	118.47	1/2	17.17	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	510.33	3/4	409.03	3/4	307.72	3/4	206.36	3/4	116.36	3/4	15.06	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	508.22	3	406.92	3	305.61	3	204.25	3	114.25	3	12.95	3	3	3	3	3	3	3	3
1/4	506.11	1/4	404.80	1/4	303.49	1/4	202.14	1/4	112.14	1/4	10.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	504.00	1/2	402.69	1/2	301.38	1/2	200.03	1/2	110.03	1/2	8.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	501.89	3/4	400.58	3/4	299.27	3/4	197.92	3/4	107.92	3/4	6.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	499.78	4	398.47	4	297.16	4	195.81	4	105.81	4	4.51	4	4	4	4	4	4	4	4
1/4	497.67	1/4	396.36	1/4	295.05	1/4	193.70	1/4	103.70	1/4	2.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	495.56	1/2	394.25	1/2	292.94	1/2	191.59	1/2	101.59	1/2	0.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	493.45	3/4	392.14	3/4	290.83	3/4	189.48	3/4	99.48	3/4	18.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	491.34	5	390.03	5	288.72	5	187.37	5	97.37	5	16.26	5	5	5	5	5	5	5	5
1/4	489.23	1/4	387.92	1/4	286.61	1/4	185.26	1/4	95.26	1/4	14.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	487.12	1/2	385.81	1/2	284.50	1/2	183.15	1/2	93.15	1/2	12.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	485.01	3/4	383.70	3/4	282.39	3/4	181.04	3/4	91.04	3/4	9.93	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	482.90	6	381.59	6	280.28	6	178.93	6	88.93	6	7.82	6	6	6	6	6	6	6	6
1/4	480.78	1/4	379.48	1/4	278.17	1/4	176.82	1/4	86.82	1/4	5.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	478.67	1/2	377.37	1/2	276.06	1/2	174.71	1/2	84.71	1/2	3.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	476.56	3/4	375.26	3/4	273.95	3/4	172.60	3/4	82.60	3/4	1.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	474.45	7	373.15	7	271.84	7	170.49	7	80.49	7	18.37	7	7	7	7	7	7	7	7
1/4	472.34	1/4	371.04	1/4	269.72	1/4	168.38	1/4	78.38	1/4	16.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	470.23	1/2	368.92	1/2	267.61	1/2	166.27	1/2	76.27	1/2	14.15	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	468.12	3/4	366.81	3/4	265.50	3/4	164.16	3/4	74.16	3/4	12.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	466.01	8	364.70	8	263.39	8	162.05	8	72.05	8	9.93	8	8	8	8	8	8	8	8
1/4	463.90	1/4	362.59	1/4	261.28	1/4	160.93	1/4	69.93	1/4	7.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	461.79	1/2	360.48	1/2	259.17	1/2	158.82	1/2	67.82	1/2	5.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	459.68	3/4	358.37	3/4	257.06	3/4	156.71	3/4	65.71	3/4	3.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	457.57	9	356.26	9	254.95	9	154.60	9	63.60	9	1.49	9	9	9	9	9	9	9	9
1/4	455.46	1/4	354.15	1/4	252.84	1/4	152.49	1/4	61.49	1/4	18.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	453.35	1/2	352.04	1/2	250.73	1/2	150.38	1/2	59.38	1/2	16.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	451.24	3/4	349.93	3/4	248.62	3/4	148.27	3/4	57.27	3/4	14.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	449.13	10	347.82	10	246.51	10	146.16	10	55.16	10	12.04	10	10	10	10	10	10	10	10
1/4	447.01	1/4	345.71	1/4	244.40	1/4	144.05	1/4	53.05	1/4	10.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	444.90	1/2	343.60	1/2	242.29	1/2	141.94	1/2	50.94	1/2	8.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	442.79	3/4	341.49	3/4	240.18	3/4	139.83	3/4	48.83	3/4	6.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	440.68	11	339.38	11	238.07	11	137.72	11	46.72	11	4.60	11	11	11	11	11	11	11	11
1/4	438.57	1/4	337.27	1/4	235.95	1/4	135.61	1/4	44.61	1/4	2.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	436.46	1/2	335.15	1/2	233.84	1/2	133.50	1/2	42.50	1/2	0.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	434.35	3/4	333.04	3/4	231.73	3/4	131.39	3/4	40.39	3/4	18.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12211993 SI
DECK MEASUREMENTS: 01/04/2004 SW CL
REPRINTED: 01/23/2004 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 01/20/04

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



BARGE "KIRBY 21004 T"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS						FORMERLY "S/R 262"			GAUGE HEIGHT 15'-04 3/8"		
0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	10 FT.	
0	0	0	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
1/4	1/4	1/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
1/2	1/2	1/2	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
3/4	3/4	3/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
1	1	1	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
1 1/4	1 1/4	1 1/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
1 1/2	1 1/2	1 1/2	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
1 3/4	1 3/4	1 3/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
2	2	2	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
2 1/4	2 1/4	2 1/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
2 1/2	2 1/2	2 1/2	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
2 3/4	2 3/4	2 3/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
3	3	3	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
3 1/4	3 1/4	3 1/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
3 1/2	3 1/2	3 1/2	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
3 3/4	3 3/4	3 3/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
4	4	4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
4 1/4	4 1/4	4 1/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
4 1/2	4 1/2	4 1/2	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
4 3/4	4 3/4	4 3/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
5	5	5	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
5 1/4	5 1/4	5 1/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
5 1/2	5 1/2	5 1/2	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
5 3/4	5 3/4	5 3/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
6	6	6	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
6 1/4	6 1/4	6 1/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
6 1/2	6 1/2	6 1/2	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
6 3/4	6 3/4	6 3/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
7	7	7	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
7 1/4	7 1/4	7 1/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
7 1/2	7 1/2	7 1/2	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
7 3/4	7 3/4	7 3/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
8	8	8	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
8 1/4	8 1/4	8 1/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
8 1/2	8 1/2	8 1/2	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
8 3/4	8 3/4	8 3/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
9	9	9	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
9 1/4	9 1/4	9 1/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
9 1/2	9 1/2	9 1/2	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
9 3/4	9 3/4	9 3/4	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	
10	10	10	1,253.17	2,506.33	3,759.50	5,012.67	6,265.83	7,518.99	8,772.16	10,025.32	

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 11'-00" OFF CENTERLINE AND 10'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.
 PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2082
 Pearland, Texas 77584
[Http://www.pmacorp.net](http://www.pmacorp.net)

SHEET NO 7 OF 20



BARGE "KIRBY 21004 T"

2 STBD ULLAGE TABLE

FORMERLY "SR 262"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H
0	545.14	0	443.87	0	342.80	0	241.82	0	140.45	0	39.27	0	0	0	0	0	0	0	0
1/4	543.03	1/4	441.86	1/4	340.89	1/4	239.51	1/4	138.34	1/4	37.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	540.93	1/2	439.76	1/2	338.58	1/2	237.41	1/2	136.24	1/2	35.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	538.82	3/4	437.65	3/4	336.47	3/4	235.30	3/4	134.13	3/4	32.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	536.71	1	435.54	1	334.36	1	233.19	1	132.02	1	30.84	1	1	1	1	1	1	1	1
1/4	534.60	1/4	433.43	1/4	332.25	1/4	231.08	1/4	129.91	1/4	28.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	532.50	1/2	431.33	1/2	330.15	1/2	229.98	1/2	127.80	1/2	26.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	530.39	3/4	429.22	3/4	328.04	3/4	228.87	3/4	125.69	3/4	24.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	528.28	1	427.11	1	325.93	1	227.76	1	123.58	1	22.41	1	1	1	1	1	1	1	1
1/4	526.17	1/4	425.00	1/4	323.82	1/4	226.65	1/4	121.47	1/4	20.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	524.07	1/2	422.90	1/2	321.72	1/2	225.55	1/2	119.37	1/2	18.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	521.96	3/4	420.79	3/4	319.61	3/4	218.44	3/4	117.26	3/4	16.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	519.85	1	418.68	1	317.50	1	216.33	1	115.15	1	14.48	1	1	1	1	1	1	1	1
1/4	517.74	1/4	416.57	1/4	315.39	1/4	214.22	1/4	113.04	1/4	12.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	515.64	1/2	414.47	1/2	313.29	1/2	212.12	1/2	110.94	1/2	10.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	513.53	3/4	412.36	3/4	311.18	3/4	210.01	3/4	108.83	3/4	9.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	511.42	1	410.25	1	309.07	1	207.90	1	106.72	1	7.99	1	1	1	1	1	1	1	1
1/4	509.31	1/4	408.14	1/4	306.96	1/4	205.78	1/4	104.61	1/4	6.54	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	507.21	1/2	406.03	1/2	304.86	1/2	203.69	1/2	102.51	1/2	5.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	505.10	3/4	403.92	3/4	302.75	3/4	201.58	3/4	100.40	3/4	5.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	502.99	1	401.81	1	300.64	1	199.47	1	98.29	1	4.35	1	1	1	1	1	1	1	1
1/4	500.88	1/4	399.70	1/4	298.53	1/4	197.36	1/4	96.18	1/4	3.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	498.78	1/2	397.60	1/2	296.43	1/2	195.25	1/2	94.08	1/2	2.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	496.67	3/4	395.49	3/4	294.32	3/4	193.14	3/4	91.97	3/4	2.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	494.56	1	393.38	1	292.21	1	191.03	1	89.86	1	1.43	1	1	1	1	1	1	1	1
1/4	492.45	1/4	391.27	1/4	290.10	1/4	188.92	1/4	87.75	1/4	0.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	490.35	1/2	389.17	1/2	288.00	1/2	186.82	1/2	85.65	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	488.24	3/4	387.06	3/4	285.89	3/4	184.71	3/4	83.54	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	486.13	1	384.95	1	283.78	1	182.60	1	81.43	1	0.00	1	1	1	1	1	1	1	1
1/4	484.02	1/4	382.84	1/4	281.67	1/4	180.49	1/4	79.32	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	481.91	1/2	380.74	1/2	279.57	1/2	178.39	1/2	77.22	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	479.80	3/4	378.63	3/4	277.46	3/4	176.28	3/4	75.11	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	477.69	1	376.52	1	275.35	1	174.17	1	73.00	1	0.00	1	1	1	1	1	1	1	1
1/4	475.58	1/4	374.41	1/4	273.24	1/4	172.06	1/4	70.89	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	473.48	1/2	372.31	1/2	271.13	1/2	169.96	1/2	68.79	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	471.37	3/4	370.20	3/4	269.02	3/4	167.85	3/4	66.68	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	469.26	1	368.09	1	266.91	1	165.74	1	64.57	1	0.00	1	1	1	1	1	1	1	1
1/4	467.15	1/4	365.98	1/4	264.80	1/4	163.63	1/4	62.46	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	465.05	1/2	363.88	1/2	262.70	1/2	161.53	1/2	60.35	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	462.94	3/4	361.77	3/4	260.59	3/4	159.42	3/4	58.24	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	460.83	1	359.66	1	258.48	1	157.31	1	56.13	1	0.00	1	1	1	1	1	1	1	1
1/4	458.72	1/4	357.55	1/4	256.37	1/4	155.20	1/4	54.02	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	456.62	1/2	355.45	1/2	254.27	1/2	153.10	1/2	51.92	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	454.51	3/4	353.34	3/4	252.16	3/4	150.99	3/4	49.81	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	452.40	1	351.23	1	250.05	1	148.88	1	47.70	1	0.00	1	1	1	1	1	1	1	1
1/4	450.29	1/4	349.12	1/4	247.94	1/4	146.77	1/4	45.59	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	448.19	1/2	347.02	1/2	245.84	1/2	144.67	1/2	43.49	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	446.08	3/4	344.91	3/4	243.73	3/4	142.56	3/4	41.38	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/03 SH
DECK MEASUREMENTS: 01/04/2004 SW CL
REPRINTED: 01/23/2004 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 01/20/04

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



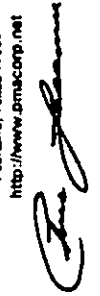
BARGE "KIRBY 21004 T"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		FORMERLY "SIR 262"										GAUGE HEIGHT 15'-04 3/8"			
N	H	N	H	N	H	N	H	N	H	N	H	N	H	N	H
0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	0	1	2	3	4	5
0		0	2,485.38	0	2,293.65	0	2,091.91	0	1,890.21	0	1,688.52	0	1,486.82	0	1,285.13
1/4	1/4	1/4	2,491.18	1/4	2,299.45	1/4	2,087.71	1/4	1,886.01	1/4	1,684.32	1/4	1,482.62	1/4	1,280.93
1/2	1/2	1/2	2,486.98	1/2	2,285.25	1/2	2,083.51	1/2	1,881.81	1/2	1,680.12	1/2	1,478.42	1/2	1,276.73
3/4	3/4	3/4	2,482.78	3/4	2,281.05	3/4	2,079.31	3/4	1,877.61	3/4	1,675.92	3/4	1,474.22	3/4	1,272.53
1	1	1	2,478.57	1	2,276.84	1	2,075.10	1	1,873.41	1	1,671.71	1	1,470.01	1	1,268.32
1 1/4	1 1/4	1 1/4	2,474.37	1 1/4	2,272.64	1 1/4	2,070.90	1 1/4	1,869.21	1 1/4	1,667.51	1 1/4	1,465.81	1 1/4	1,264.12
1 1/2	1 1/2	1 1/2	2,470.17	1 1/2	2,268.44	1 1/2	2,066.70	1 1/2	1,865.01	1 1/2	1,663.31	1 1/2	1,461.61	1 1/2	1,259.92
1 3/4	1 3/4	1 3/4	2,465.97	1 3/4	2,264.24	1 3/4	2,062.50	1 3/4	1,860.81	1 3/4	1,659.11	1 3/4	1,457.41	1 3/4	1,255.72
2	2	2	2,461.76	2	2,260.03	2	2,058.29	2	1,856.60	2	1,654.90	2	1,453.21	2	1,251.51
2 1/4	2 1/4	2 1/4	2,457.56	2 1/4	2,255.83	2 1/4	2,054.09	2 1/4	1,852.40	2 1/4	1,650.70	2 1/4	1,449.01	2 1/4	1,247.31
2 1/2	2 1/2	2 1/2	2,453.36	2 1/2	2,251.63	2 1/2	2,049.89	2 1/2	1,848.20	2 1/2	1,646.50	2 1/2	1,444.81	2 1/2	1,243.11
2 3/4	2 3/4	2 3/4	2,449.16	2 3/4	2,247.43	2 3/4	2,045.69	2 3/4	1,844.00	2 3/4	1,642.30	2 3/4	1,440.61	2 3/4	1,238.91
3	3	3	2,444.95	3	2,243.22	3	2,041.49	3	1,839.79	3	1,638.09	3	1,438.40	3	1,234.70
3 1/4	3 1/4	3 1/4	2,440.75	3 1/4	2,239.02	3 1/4	2,037.29	3 1/4	1,835.59	3 1/4	1,633.89	3 1/4	1,432.20	3 1/4	1,230.50
3 1/2	3 1/2	3 1/2	2,436.55	3 1/2	2,234.82	3 1/2	2,033.09	3 1/2	1,831.39	3 1/2	1,629.69	3 1/2	1,428.00	3 1/2	1,226.30
3 3/4	3 3/4	3 3/4	2,432.35	3 3/4	2,230.62	3 3/4	2,028.89	3 3/4	1,827.19	3 3/4	1,625.49	3 3/4	1,423.80	3 3/4	1,222.10
4	4	4	2,428.14	4	2,226.41	4	2,024.68	4	1,822.98	4	1,621.29	4	1,419.59	4	1,217.89
4 1/4	4 1/4	4 1/4	2,423.94	4 1/4	2,222.21	4 1/4	2,020.48	4 1/4	1,818.78	4 1/4	1,617.09	4 1/4	1,415.39	4 1/4	1,213.69
4 1/2	4 1/2	4 1/2	2,419.74	4 1/2	2,218.01	4 1/2	2,016.28	4 1/2	1,814.58	4 1/2	1,612.89	4 1/2	1,411.19	4 1/2	1,209.49
4 3/4	4 3/4	4 3/4	2,415.53	4 3/4	2,213.80	4 3/4	2,012.08	4 3/4	1,810.38	4 3/4	1,608.69	4 3/4	1,406.99	4 3/4	1,205.29
5	5	5	2,411.33	5	2,209.59	5	2,007.87	5	1,806.17	5	1,604.48	5	1,402.78	5	1,201.09
5 1/4	5 1/4	5 1/4	2,407.12	5 1/4	2,205.38	5 1/4	2,003.67	5 1/4	1,801.97	5 1/4	1,600.28	5 1/4	1,398.58	5 1/4	1,196.89
5 1/2	5 1/2	5 1/2	2,402.92	5 1/2	2,201.17	5 1/2	1,999.47	5 1/2	1,797.77	5 1/2	1,596.08	5 1/2	1,394.38	5 1/2	1,192.69
5 3/4	5 3/4	5 3/4	2,398.72	5 3/4	2,196.97	5 3/4	1,995.27	5 3/4	1,793.57	5 3/4	1,591.88	5 3/4	1,390.18	5 3/4	1,188.49
6	6	6	2,394.51	6	2,192.76	6	1,991.06	6	1,789.37	6	1,587.67	6	1,385.97	6	1,184.29
6 1/4	6 1/4	6 1/4	2,390.31	6 1/4	2,188.56	6 1/4	1,986.86	6 1/4	1,785.17	6 1/4	1,583.47	6 1/4	1,381.77	6 1/4	1,180.08
6 1/2	6 1/2	6 1/2	2,386.11	6 1/2	2,184.36	6 1/2	1,982.66	6 1/2	1,780.97	6 1/2	1,579.27	6 1/2	1,377.57	6 1/2	1,175.88
6 3/4	6 3/4	6 3/4	2,381.91	6 3/4	2,180.16	6 3/4	1,978.46	6 3/4	1,776.77	6 3/4	1,575.07	6 3/4	1,373.37	6 3/4	1,171.68
7	7	7	2,377.70	7	2,175.95	7	1,974.25	7	1,772.56	7	1,570.86	7	1,369.17	7	1,167.47
7 1/4	7 1/4	7 1/4	2,373.50	7 1/4	2,171.75	7 1/4	1,970.05	7 1/4	1,768.36	7 1/4	1,566.66	7 1/4	1,364.97	7 1/4	1,163.27
7 1/2	7 1/2	7 1/2	2,369.30	7 1/2	2,167.55	7 1/2	1,965.85	7 1/2	1,764.16	7 1/2	1,562.46	7 1/2	1,360.77	7 1/2	1,159.07
7 3/4	7 3/4	7 3/4	2,365.10	7 3/4	2,163.35	7 3/4	1,961.65	7 3/4	1,759.96	7 3/4	1,558.26	7 3/4	1,356.57	7 3/4	1,154.87
8	8	8	2,360.89	8	2,159.14	8	1,957.45	8	1,755.75	8	1,554.05	8	1,352.36	8	1,150.66
8 1/4	8 1/4	8 1/4	2,356.69	8 1/4	2,154.94	8 1/4	1,953.25	8 1/4	1,751.55	8 1/4	1,549.85	8 1/4	1,348.16	8 1/4	1,146.46
8 1/2	8 1/2	8 1/2	2,352.49	8 1/2	2,150.74	8 1/2	1,949.05	8 1/2	1,747.35	8 1/2	1,545.65	8 1/2	1,343.96	8 1/2	1,142.26
8 3/4	8 3/4	8 3/4	2,348.29	8 3/4	2,146.54	8 3/4	1,944.85	8 3/4	1,743.15	8 3/4	1,541.45	8 3/4	1,339.76	8 3/4	1,138.06
9	9	9	2,344.08	9	2,142.33	9	1,940.64	9	1,738.94	9	1,537.25	9	1,335.55	9	1,133.85
9 1/4	9 1/4	9 1/4	2,339.88	9 1/4	2,138.13	9 1/4	1,936.44	9 1/4	1,734.74	9 1/4	1,533.05	9 1/4	1,331.35	9 1/4	1,129.65
9 1/2	9 1/2	9 1/2	2,335.68	9 1/2	2,133.93	9 1/2	1,932.24	9 1/2	1,730.54	9 1/2	1,528.85	9 1/2	1,327.15	9 1/2	1,125.45
9 3/4	9 3/4	9 3/4	2,331.48	9 3/4	2,129.73	9 3/4	1,928.04	9 3/4	1,726.34	9 3/4	1,524.65	9 3/4	1,322.85	9 3/4	1,121.25
10	10	10	2,327.27	10	2,125.53	10	1,923.83	10	1,722.13	10	1,520.44	10	1,318.74	10	1,117.05
10 1/4	10 1/4	10 1/4	2,323.07	10 1/4	2,121.33	10 1/4	1,919.63	10 1/4	1,717.93	10 1/4	1,516.24	10 1/4	1,314.54	10 1/4	1,112.85
10 1/2	10 1/2	10 1/2	2,318.87	10 1/2	2,117.13	10 1/2	1,915.43	10 1/2	1,713.73	10 1/2	1,512.04	10 1/2	1,310.34	10 1/2	1,108.65
10 3/4	10 3/4	10 3/4	2,314.67	10 3/4	2,112.93	10 3/4	1,911.23	10 3/4	1,709.53	10 3/4	1,507.84	10 3/4	1,306.14	10 3/4	1,104.45
11	11	11	2,310.46	11	2,108.72	11	1,907.02	11	1,705.33	11	1,503.63	11	1,301.93	11	1,100.24
11 1/4	11 1/4	11 1/4	2,306.26	11 1/4	2,104.52	11 1/4	1,902.82	11 1/4	1,701.13	11 1/4	1,499.43	11 1/4	1,297.73	11 1/4	1,096.04
11 1/2	11 1/2	11 1/2	2,302.06	11 1/2	2,100.32	11 1/2	1,898.62	11 1/2	1,696.93	11 1/2	1,495.23	11 1/2	1,293.53	11 1/2	1,091.84
11 3/4	11 3/4	11 3/4	2,297.86	11 3/4	2,096.12	11 3/4	1,894.42	11 3/4	1,692.73	11 3/4	1,491.03	11 3/4	1,289.33	11 3/4	1,087.64

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77584
<http://www.pma.com>



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 11'-09" OFF CENTERLINE AND 22'-06" FORWARD OF AFT BULLHEAD.

BARGE "KIRBY 21004 T"

3 PORT ULLAGE TABLE



FORMERLY "SIR 282" GAUGE HEIGHT 15'-04 3/8" 10 FT.

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
H	K	H	K	H	K	H	K	H	K	H	K	H	K	H	K	H	K	H	K
0	1,083.43	0	881.73	0	680.04	0	478.34	0	276.65	0	76.93	0		0		0		0	
1/4	1,079.23	1/4	877.53	1/4	675.84	1/4	474.14	1/4	272.45	1/4	72.80	1/4		1/4		1/4		1/4	
1/2	1,075.03	1/2	873.33	1/2	671.64	1/2	469.94	1/2	268.25	1/2	68.66	1/2		1/2		1/2		1/2	
3/4	1,070.83	3/4	869.13	3/4	667.44	3/4	465.74	3/4	264.05	3/4	64.55	3/4		3/4		3/4		3/4	
1	1,066.62	1	864.93	1	663.23	1	461.53	1	259.84	1	60.42	1		1		1		1	
1 1/4	1,062.42	1 1/4	860.73	1 1/4	659.03	1 1/4	457.33	1 1/4	255.64	1 1/4	56.29	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,058.22	1 1/2	856.53	1 1/2	654.83	1 1/2	453.13	1 1/2	251.44	1 1/2	52.17	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,054.02	3/4	852.33	3/4	650.63	3/4	448.93	3/4	247.24	3/4	48.04	3/4		3/4		3/4		3/4	
2	1,049.81	2	848.12	2	646.42	2	444.73	2	243.03	2	43.91	2		2		2		2	
1 1/4	1,045.61	1 1/4	843.92	1 1/4	642.22	1 1/4	440.53	1 1/4	238.83	1 1/4	39.78	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,041.41	1 1/2	839.72	1 1/2	638.02	1 1/2	436.33	1 1/2	234.63	1 1/2	35.65	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,037.21	3/4	835.52	3/4	633.82	3/4	432.13	3/4	230.43	3/4	32.12	3/4		3/4		3/4		3/4	
3	1,033.01	3	831.31	3	629.61	3	427.92	3	226.22	3	28.39	3		3		3		3	
1 1/4	1,028.81	1 1/4	827.11	1 1/4	625.41	1 1/4	423.72	1 1/4	222.02	1 1/4	24.66	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,024.61	1 1/2	822.91	1 1/2	621.21	1 1/2	419.52	1 1/2	217.82	1 1/2	21.35	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,020.41	3/4	818.71	3/4	617.01	3/4	415.32	3/4	213.62	3/4	18.48	3/4		3/4		3/4		3/4	
4	1,016.20	4	814.50	4	612.81	4	411.11	4	209.41	4	15.81	4		4		4		4	
1 1/4	1,012.00	1 1/4	810.30	1 1/4	608.61	1 1/4	406.91	1 1/4	205.21	1 1/4	12.74	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,007.80	1 1/2	806.10	1 1/2	604.41	1 1/2	402.71	1 1/2	201.01	1 1/2	11.31	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,003.60	3/4	801.90	3/4	600.21	3/4	398.51	3/4	196.81	3/4		3/4		3/4		3/4		3/4	
5	999.39	5	797.69	5	596.00	5	394.30	5	192.61	5		5		5		5		5	
1 1/4	995.19	1 1/4	793.49	1 1/4	591.80	1 1/4	390.10	1 1/4	188.41	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	990.99	1 1/2	789.29	1 1/2	587.60	1 1/2	385.90	1 1/2	184.24	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	986.79	3/4	785.09	3/4	583.40	3/4	381.70	3/4	180.10	3/4		3/4		3/4		3/4		3/4	
6	982.58	6	780.89	6	579.19	6	377.49	6	175.95	6		6		6		6		6	
1 1/4	978.38	1 1/4	776.69	1 1/4	574.99	1 1/4	373.29	1 1/4	171.81	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	974.18	1 1/2	772.49	1 1/2	570.79	1 1/2	369.09	1 1/2	167.68	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	969.98	3/4	768.29	3/4	566.59	3/4	364.89	3/4	163.56	3/4		3/4		3/4		3/4		3/4	
7	965.77	7	764.08	7	562.38	7	360.69	7	159.43	7		7		7		7		7	
1 1/4	961.57	1 1/4	759.88	1 1/4	558.18	1 1/4	356.49	1 1/4	155.31	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	957.37	1 1/2	755.68	1 1/2	553.98	1 1/2	352.29	1 1/2	151.19	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	953.17	3/4	751.48	3/4	549.78	3/4	348.09	3/4	147.07	3/4		3/4		3/4		3/4		3/4	
8	948.97	8	747.27	8	545.57	8	343.88	8	142.94	8		8		8		8		8	
1 1/4	944.77	1 1/4	743.07	1 1/4	541.37	1 1/4	339.68	1 1/4	138.82	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	940.57	1 1/2	738.87	1 1/2	537.17	1 1/2	335.48	1 1/2	134.70	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	936.37	3/4	734.67	3/4	532.97	3/4	331.28	3/4	130.57	3/4		3/4		3/4		3/4		3/4	
9	932.16	9	730.46	9	528.77	9	327.07	9	126.45	9		9		9		9		9	
1 1/4	927.96	1 1/4	726.26	1 1/4	524.57	1 1/4	322.87	1 1/4	122.32	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	923.76	1 1/2	722.06	1 1/2	520.37	1 1/2	318.67	1 1/2	118.20	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	919.56	3/4	717.86	3/4	516.17	3/4	314.47	3/4	114.07	3/4		3/4		3/4		3/4		3/4	
10	915.35	10	713.65	10	511.96	10	310.26	10	109.94	10		10		10		10		10	
1 1/4	911.15	1 1/4	709.45	1 1/4	507.76	1 1/4	306.06	1 1/4	105.81	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	906.95	1 1/2	705.25	1 1/2	503.56	1 1/2	301.86	1 1/2	101.69	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	902.75	3/4	701.05	3/4	499.36	3/4	297.66	3/4	97.56	3/4		3/4		3/4		3/4		3/4	
11	898.54	11	696.85	11	495.15	11	293.45	11	93.43	11		11		11		11		11	
1 1/4	894.34	1 1/4	692.65	1 1/4	490.95	1 1/4	289.25	1 1/4	89.30	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	890.14	1 1/2	688.45	1 1/2	486.75	1 1/2	285.05	1 1/2	85.18	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	885.94	3/4	684.25	3/4	482.55	3/4	280.85	3/4	81.05	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/993 SH
DECK MEASUREMENTS: 0106/2004 SW CL
REPRINTED: 0123/2004 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2004

PRECISION MEASUREMENT
& ANALYSIS, INC.
P O Box 2082
Pearland, Texas 77588
Http://www.pmacorp.net



BARGE "KIRBY 21004 T"
3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		FORMERLY "SR 282"										GAUGE HEIGHT 15'-05"			
		0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	N	N	N	N
0	0	2,515.65	0	2,313.14	0	2,110.63	0	1,908.15	0	1,705.67	0	1,503.18	0	1,300.70	
1/4	1/4	2,511.43	1/4	2,308.92	1/4	2,106.41	1/4	1,903.93	1/4	1,701.45	1/4	1,498.96	1/4	1,296.48	
1/2	1/2	2,507.21	1/2	2,304.70	1/2	2,102.19	1/2	1,899.71	1/2	1,697.23	1/2	1,494.74	1/2	1,292.26	
3/4	3/4	2,503.00	3/4	2,300.48	3/4	2,097.98	3/4	1,895.50	3/4	1,693.01	3/4	1,490.53	3/4	1,288.05	
1	1	2,498.78	1	2,296.26	1	2,093.76	1	1,891.28	1	1,688.79	1	1,486.31	1	1,283.83	
1/4	1/4	2,494.56	1/4	2,292.04	1/4	2,089.54	1/4	1,887.06	1/4	1,684.57	1/4	1,482.09	1/4	1,279.61	
1/2	1/2	2,490.34	1/2	2,287.82	1/2	2,085.32	1/2	1,882.84	1/2	1,680.35	1/2	1,477.87	1/2	1,275.39	
3/4	3/4	2,486.12	3/4	2,283.61	3/4	2,081.11	3/4	1,878.62	3/4	1,676.14	3/4	1,473.66	3/4	1,271.17	
2	2	2,481.90	2	2,279.39	2	2,076.89	2	1,874.40	2	1,671.92	2	1,469.44	2	1,268.95	
1/4	1/4	2,477.68	1/4	2,275.17	1/4	2,072.67	1/4	1,870.18	1/4	1,667.70	1/4	1,465.22	1/4	1,264.73	
1/2	1/2	2,473.46	1/2	2,270.95	1/2	2,068.45	1/2	1,865.96	1/2	1,663.48	1/2	1,461.00	1/2	1,258.51	
3/4	3/4	2,469.24	3/4	2,266.73	3/4	2,064.23	3/4	1,863.75	3/4	1,661.27	3/4	1,458.78	3/4	1,254.30	
3	3	2,465.02	3	2,262.51	3	2,060.01	3	1,859.27	3	1,657.79	3	1,455.31	3	1,250.08	
1/4	1/4	2,460.80	1/4	2,258.29	1/4	2,055.79	1/4	1,855.31	1/4	1,653.83	1/4	1,451.35	1/4	1,245.86	
1/2	1/2	2,456.58	1/2	2,254.07	1/2	2,051.57	1/2	1,850.84	1/2	1,648.36	1/2	1,448.88	1/2	1,241.64	
3/4	3/4	2,452.37	3/4	2,249.86	3/4	2,047.36	3/4	1,846.88	3/4	1,645.40	3/4	1,446.91	3/4	1,237.43	
4	4	2,448.15	4	2,245.64	4	2,043.14	4	1,842.40	4	1,640.92	4	1,442.43	4	1,233.21	
1/4	1/4	2,443.93	1/4	2,241.42	1/4	2,038.92	1/4	1,837.94	1/4	1,636.46	1/4	1,437.98	1/4	1,229.00	
1/2	1/2	2,439.71	1/2	2,237.20	1/2	2,034.70	1/2	1,832.22	1/2	1,630.74	1/2	1,431.26	1/2	1,224.79	
3/4	3/4	2,435.49	3/4	2,232.98	3/4	2,030.48	3/4	1,827.54	3/4	1,626.06	3/4	1,426.98	3/4	1,220.57	
5	5	2,431.27	5	2,228.76	5	2,026.27	5	1,823.78	5	1,622.30	5	1,421.82	5	1,216.35	
1/4	1/4	2,427.05	1/4	2,224.54	1/4	2,022.05	1/4	1,819.58	1/4	1,617.10	1/4	1,415.62	1/4	1,212.11	
1/2	1/2	2,422.83	1/2	2,220.32	1/2	2,017.83	1/2	1,815.34	1/2	1,612.86	1/2	1,411.38	1/2	1,207.89	
3/4	3/4	2,418.62	3/4	2,216.10	3/4	2,013.61	3/4	1,811.13	3/4	1,608.65	3/4	1,406.18	3/4	1,203.68	
6	6	2,414.40	6	2,211.88	6	2,009.39	6	1,806.91	6	1,604.43	6	1,401.94	6	1,199.46	
1/4	1/4	2,410.18	1/4	2,207.66	1/4	2,005.17	1/4	1,802.69	1/4	1,600.21	1/4	1,397.72	1/4	1,195.24	
1/2	1/2	2,405.96	1/2	2,203.44	1/2	2,000.95	1/2	1,798.21	1/2	1,595.73	1/2	1,393.26	1/2	1,191.02	
3/4	3/4	2,401.74	3/4	2,199.22	3/4	1,996.74	3/4	1,794.26	3/4	1,591.78	3/4	1,388.29	3/4	1,186.81	
7	7	2,397.52	7	2,195.00	7	1,992.52	7	1,790.04	7	1,587.55	7	1,385.07	7	1,182.59	
1/4	1/4	2,393.30	1/4	2,190.78	1/4	1,988.30	1/4	1,785.82	1/4	1,583.33	1/4	1,380.85	1/4	1,178.37	
1/2	1/2	2,389.08	1/2	2,186.56	1/2	1,984.08	1/2	1,781.60	1/2	1,579.11	1/2	1,376.63	1/2	1,174.15	
3/4	3/4	2,384.86	3/4	2,182.35	3/4	1,979.86	3/4	1,777.38	3/4	1,574.80	3/4	1,372.42	3/4	1,169.93	
8	8	2,380.64	8	2,178.13	8	1,975.64	8	1,773.16	8	1,570.68	8	1,368.20	8	1,165.71	
1/4	1/4	2,376.42	1/4	2,173.91	1/4	1,971.42	1/4	1,768.94	1/4	1,566.46	1/4	1,363.98	1/4	1,161.49	
1/2	1/2	2,372.20	1/2	2,169.69	1/2	1,967.20	1/2	1,764.72	1/2	1,562.24	1/2	1,359.76	1/2	1,157.27	
3/4	3/4	2,367.99	3/4	2,165.47	3/4	1,962.99	3/4	1,760.51	3/4	1,558.02	3/4	1,355.54	3/4	1,153.06	
9	9	2,363.77	9	2,161.25	9	1,958.77	9	1,756.28	9	1,553.80	9	1,351.32	9	1,148.84	
1/4	1/4	2,359.55	1/4	2,157.03	1/4	1,954.55	1/4	1,752.07	1/4	1,549.58	1/4	1,347.10	1/4	1,144.62	
1/2	1/2	2,355.33	1/2	2,152.81	1/2	1,950.33	1/2	1,747.85	1/2	1,545.36	1/2	1,342.88	1/2	1,140.40	
3/4	3/4	2,351.11	3/4	2,148.60	3/4	1,946.12	3/4	1,743.83	3/4	1,541.15	3/4	1,338.67	3/4	1,136.18	
10	10	2,346.89	10	2,144.38	10	1,941.90	10	1,739.41	10	1,536.93	10	1,334.45	10	1,131.96	
1/4	1/4	2,342.67	1/4	2,140.16	1/4	1,937.68	1/4	1,735.19	1/4	1,532.71	1/4	1,330.23	1/4	1,127.74	
1/2	1/2	2,338.45	1/2	2,135.94	1/2	1,933.46	1/2	1,730.77	1/2	1,528.49	1/2	1,326.01	1/2	1,123.52	
3/4	3/4	2,334.24	3/4	2,131.73	3/4	1,929.24	3/4	1,726.76	3/4	1,524.26	3/4	1,321.79	3/4	1,119.31	
11	11	2,330.02	11	2,127.51	11	1,925.02	11	1,722.54	11	1,520.06	11	1,317.57	11	1,115.09	
1/4	1/4	2,325.80	1/4	2,123.29	1/4	1,920.80	1/4	1,718.32	1/4	1,515.84	1/4	1,313.35	1/4	1,110.87	
1/2	1/2	2,321.58	1/2	2,119.07	1/2	1,916.58	1/2	1,714.10	1/2	1,511.82	1/2	1,309.13	1/2	1,106.65	
3/4	3/4	2,317.36	3/4	2,114.85	3/4	1,912.37	3/4	1,709.69	3/4	1,507.40	3/4	1,304.92	3/4	1,102.44	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 "THERMATIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (THERMATIC) LOCATED 11'-00" OFF CENTERLINE AND 22'-06" FORWARD OF AFT BULKHEAD.

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

[Signature]



BARGE "KIRBY 21004 T"

3 STBD ULLAGE TABLE

FORMERLY "S/R 262"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		
N	K	N	K	N	K	N	K	N	K	N	K	N	K	N	K	N	K	N	K	N	K	
0	0	895.73	0	893.25	0	490.77	0	288.28	0	87.59	0											
1/4	1/4	891.51	1/4	889.03	1/4	486.55	1/4	284.06	1/4	83.44	1/4											
1/2	1/2	887.29	1/2	884.81	1/2	482.33	1/2	279.84	1/2	79.30	1/2											
3/4	3/4	883.08	3/4	880.60	3/4	478.11	3/4	275.63	3/4	75.16	3/4											
1	1	878.86	1	876.38	1	473.89	1	271.41	1	71.01	1											
1 1/4	1 1/4	874.64	1 1/4	872.16	1 1/4	469.67	1 1/4	267.19	1 1/4	66.87	1 1/4											
1 1/2	1 1/2	870.42	1 1/2	867.94	1 1/2	465.45	1 1/2	262.97	1 1/2	62.73	1 1/2											
1 3/4	1 3/4	866.21	1 3/4	863.72	1 3/4	461.24	1 3/4	258.76	1 3/4	58.59	1 3/4											
2	2	861.99	2	859.50	2	457.02	2	254.54	2	54.44	2											
2 1/4	2 1/4	857.77	2 1/4	855.28	2 1/4	452.80	2 1/4	250.32	2 1/4	50.30	2 1/4											
2 1/2	2 1/2	853.55	2 1/2	851.06	2 1/2	448.58	2 1/2	246.10	2 1/2	46.26	2 1/2											
2 3/4	2 3/4	849.33	2 3/4	846.85	2 3/4	444.37	2 3/4	241.88	2 3/4	42.21	2 3/4											
3	3	845.11	3	842.63	3	440.15	3	237.66	3	38.17	3											
3 1/4	3 1/4	840.89	3 1/4	838.41	3 1/4	435.93	3 1/4	233.44	3 1/4	34.12	3 1/4											
3 1/2	3 1/2	836.67	3 1/2	834.19	3 1/2	431.71	3 1/2	229.22	3 1/2	30.59	3 1/2											
3 3/4	3 3/4	832.46	3 3/4	829.98	3 3/4	427.49	3 3/4	225.01	3 3/4	27.06	3 3/4											
4	4	828.24	4	825.76	4	423.27	4	220.79	4	23.52	4											
4 1/4	4 1/4	824.02	4 1/4	821.54	4 1/4	419.05	4 1/4	216.57	4 1/4	19.99	4 1/4											
4 1/2	4 1/2	819.80	4 1/2	817.32	4 1/2	414.83	4 1/2	212.35	4 1/2	17.11	4 1/2											
4 3/4	4 3/4	815.59	4 3/4	813.10	4 3/4	410.62	4 3/4	208.14	4 3/4	14.23	4 3/4											
5	5	811.37	5	808.88	5	406.40	5	203.92	5	11.35	5											
5 1/4	5 1/4	807.15	5 1/4	804.66	5 1/4	402.18	5 1/4	199.70	5 1/4	18.99	5 1/4											
5 1/2	5 1/2	802.93	5 1/2	800.44	5 1/2	397.96	5 1/2	195.49	5 1/2	17.11	5 1/2											
5 3/4	5 3/4	798.71	5 3/4	796.23	5 3/4	393.75	5 3/4	191.28	5 3/4	15.23	5 3/4											
6	6	794.49	6	792.01	6	389.53	6	187.07	6	13.35	6											
6 1/4	6 1/4	790.27	6 1/4	787.78	6 1/4	385.31	6 1/4	182.86	6 1/4	11.47	6 1/4											
6 1/2	6 1/2	786.05	6 1/2	783.57	6 1/2	381.09	6 1/2	178.71	6 1/2	9.59	6 1/2											
6 3/4	6 3/4	781.84	6 3/4	779.36	6 3/4	376.87	6 3/4	174.57	6 3/4	7.71	6 3/4											
7	7	777.62	7	775.14	7	372.65	7	170.42	7	5.83	7											
7 1/4	7 1/4	773.40	7 1/4	770.92	7 1/4	368.43	7 1/4	166.27	7 1/4	3.95	7 1/4											
7 1/2	7 1/2	769.18	7 1/2	766.70	7 1/2	364.21	7 1/2	162.13	7 1/2	2.07	7 1/2											
7 3/4	7 3/4	764.97	7 3/4	762.49	7 3/4	360.00	7 3/4	158.00	7 3/4	0.19	7 3/4											
8	8	760.75	8	758.26	8	355.78	8	153.88	8	0.31	8											
8 1/4	8 1/4	756.53	8 1/4	754.04	8 1/4	351.56	8 1/4	149.72	8 1/4	0.43	8 1/4											
8 1/2	8 1/2	752.31	8 1/2	749.82	8 1/2	347.34	8 1/2	145.58	8 1/2	0.55	8 1/2											
8 3/4	8 3/4	748.09	8 3/4	745.61	8 3/4	343.13	8 3/4	141.44	8 3/4	0.67	8 3/4											
9	9	743.87	9	741.39	9	338.91	9	137.30	9	0.79	9											
9 1/4	9 1/4	739.65	9 1/4	737.17	9 1/4	334.69	9 1/4	133.16	9 1/4	0.91	9 1/4											
9 1/2	9 1/2	735.43	9 1/2	732.95	9 1/2	330.47	9 1/2	129.02	9 1/2	1.03	9 1/2											
9 3/4	9 3/4	731.21	9 3/4	728.73	9 3/4	326.25	9 3/4	124.88	9 3/4	1.15	9 3/4											
10	10	727.00	10	724.52	10	322.03	10	120.73	10	1.27	10											
10 1/4	10 1/4	722.78	10 1/4	720.30	10 1/4	317.81	10 1/4	116.59	10 1/4	1.39	10 1/4											
10 1/2	10 1/2	718.56	10 1/2	716.08	10 1/2	313.59	10 1/2	112.45	10 1/2	1.51	10 1/2											
10 3/4	10 3/4	714.34	10 3/4	711.86	10 3/4	309.38	10 3/4	108.31	10 3/4	1.63	10 3/4											
11	11	710.12	11	707.64	11	305.16	11	104.16	11	1.75	11											
11 1/4	11 1/4	705.90	11 1/4	703.42	11 1/4	300.94	11 1/4	100.02	11 1/4	1.87	11 1/4											
11 1/2	11 1/2	701.68	11 1/2	699.20	11 1/2	296.72	11 1/2	95.88	11 1/2	1.99	11 1/2											
11 3/4	11 3/4	697.47	11 3/4	694.99	11 3/4	292.50	11 3/4	91.73	11 3/4	2.11	11 3/4											

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/1993 S/
DECK MEASUREMENTS: 01/04/2004 CL
REPRINTED: 01/23/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2004

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pma-inc.com



BARGE "KIRBY 21004 T"

4 PORT ULLAGE TABLE

FORMERLY "SJR 262"

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

Gauge Height 15'-03 3/4"

H	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	0	1,234.40	1,135.43	0	1,032.42	931.40	830.38	0	729.36
1/4	1/4	1/4	1,232.31	1,131.33	1/4	1,030.32	929.30	828.28	1/4	727.26
1/2	1/2	1/2	1,230.23	1,129.22	1/2	1,028.21	927.19	826.17	1/2	725.15
3/4	3/4	3/4	1,228.14	1,127.12	3/4	1,026.11	925.09	824.07	3/4	723.05
1	1	1	1,226.05	1,125.01	1	1,024.00	923.98	822.96	1	720.94
1/4	1/4	1/4	1,223.95	1,122.91	1/4	1,021.90	920.88	819.86	1/4	718.84
1/2	1/2	1/2	1,221.84	1,120.80	1/2	1,019.79	919.77	818.75	1/2	716.73
3/4	3/4	3/4	1,219.74	1,118.70	3/4	1,017.69	918.67	817.65	3/4	714.63
2	2	2	1,217.63	1,116.59	2	1,015.58	916.56	815.54	2	712.52
1/4	1/4	1/4	1,215.53	1,114.49	1/4	1,013.48	915.46	814.44	1/4	710.42
1/2	1/2	1/2	1,213.42	1,112.38	1/2	1,011.37	914.35	813.33	1/2	708.31
3/4	3/4	3/4	1,211.32	1,110.28	3/4	1,009.27	913.25	812.23	3/4	706.21
3	3	3	1,209.21	1,108.17	3	1,007.16	911.14	810.12	3	704.10
1/4	1/4	1/4	1,207.10	1,106.07	1/4	1,005.06	909.04	808.02	1/4	702.00
1/2	1/2	1/2	1,204.99	1,103.97	1/2	1,002.96	906.94	806.92	1/2	699.89
3/4	3/4	3/4	1,202.88	1,101.86	3/4	1,000.85	905.83	804.81	3/4	697.78
4	4	4	1,200.77	1,099.76	4	998.75	904.72	803.70	4	695.68
1/4	1/4	1/4	1,198.67	1,097.66	1/4	996.65	903.63	802.62	1/4	693.58
1/2	1/2	1/2	1,196.57	1,095.56	1/2	994.54	902.54	801.53	1/2	691.48
3/4	3/4	3/4	1,194.47	1,093.45	3/4	992.44	901.45	800.44	3/4	689.37
5	5	5	1,192.37	1,091.35	5	990.33	899.34	799.34	5	687.27
1/4	1/4	1/4	1,190.27	1,089.25	1/4	988.23	897.24	797.24	1/4	685.17
1/2	1/2	1/2	1,188.16	1,087.14	1/2	986.12	895.14	795.14	1/2	683.08
3/4	3/4	3/4	1,186.06	1,085.04	3/4	984.02	893.04	793.04	3/4	680.98
6	6	6	1,183.95	1,082.93	6	981.91	891.91	791.91	6	678.85
1/4	1/4	1/4	1,181.85	1,080.83	1/4	979.81	889.81	789.81	1/4	676.75
1/2	1/2	1/2	1,179.74	1,078.72	1/2	977.70	887.70	787.70	1/2	674.64
3/4	3/4	3/4	1,177.64	1,076.62	3/4	975.60	885.60	785.60	3/4	672.54
7	7	7	1,175.53	1,074.51	7	973.49	883.49	783.49	7	670.43
1/4	1/4	1/4	1,173.43	1,072.41	1/4	971.39	881.39	781.39	1/4	668.33
1/2	1/2	1/2	1,171.32	1,070.30	1/2	969.28	879.28	779.28	1/2	666.22
3/4	3/4	3/4	1,169.22	1,068.20	3/4	967.18	877.18	777.18	3/4	664.12
8	8	8	1,167.11	1,066.09	8	965.07	875.07	775.07	8	662.01
1/4	1/4	1/4	1,165.01	1,063.99	1/4	962.97	872.97	772.97	1/4	659.91
1/2	1/2	1/2	1,162.90	1,061.89	1/2	960.86	870.86	770.86	1/2	657.80
3/4	3/4	3/4	1,160.80	1,059.78	3/4	958.76	868.76	768.76	3/4	655.70
9	9	9	1,158.69	1,057.68	9	956.65	866.65	766.65	9	653.59
1/4	1/4	1/4	1,156.59	1,055.58	1/4	954.55	864.55	764.55	1/4	651.49
1/2	1/2	1/2	1,154.48	1,053.47	1/2	952.45	862.45	762.45	1/2	649.38
3/4	3/4	3/4	1,152.38	1,051.37	3/4	950.34	860.34	760.34	3/4	647.28
10	10	10	1,150.27	1,049.26	10	948.24	858.24	758.24	10	645.17
1/4	1/4	1/4	1,148.17	1,047.16	1/4	946.14	856.14	756.14	1/4	643.07
1/2	1/2	1/2	1,146.06	1,045.05	1/2	944.03	854.03	754.03	1/2	640.97
3/4	3/4	3/4	1,143.96	1,042.95	3/4	941.93	851.93	751.93	3/4	638.86
11	11	11	1,141.85	1,040.84	11	939.82	849.82	749.82	11	636.76
1/4	1/4	1/4	1,139.75	1,038.74	1/4	937.72	847.72	747.72	1/4	634.66
1/2	1/2	1/2	1,137.64	1,036.63	1/2	935.61	845.61	745.61	1/2	632.55
3/4	3/4	3/4	1,135.54	1,034.53	3/4	933.51	843.51	743.51	3/4	630.45

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 11'-00" OFF CENTERLINE AND 10'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 21004 T"

4 PORT ULLAGE TABLE

FORMERLY "SR 282"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M
0	527.32	0	426.30	0	325.27	0	224.25	0	123.23	0	27.92	0	0	0	0	0	0	0	0
1/4	525.22	1/4	424.20	1/4	323.17	1/4	222.15	1/4	121.08	1/4	26.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	523.11	1/2	422.08	1/2	321.07	1/2	220.05	1/2	119.92	1/2	24.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	521.01	3/4	419.99	3/4	318.98	3/4	217.94	3/4	118.77	3/4	22.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	518.90	1	417.88	1	316.86	1	215.84	1	114.81	1	20.68	1	1	1	1	1	1	1	1
1/4	516.80	1/4	415.78	1/4	314.76	1/4	213.74	1/4	112.58	1/4	18.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	514.68	1/2	413.67	1/2	312.65	1/2	211.63	1/2	110.51	1/2	17.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	512.59	3/4	411.57	3/4	310.55	3/4	209.53	3/4	108.45	3/4	15.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	510.48	1	409.46	1	308.44	1	207.42	1	106.40	1	13.61	1	1	1	1	1	1	1	1
1/4	508.38	1/4	407.36	1/4	306.34	1/4	205.32	1/4	104.30	1/4	12.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	506.27	1/2	405.25	1/2	304.23	1/2	203.21	1/2	102.18	1/2	10.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	504.17	3/4	403.15	3/4	302.13	3/4	201.11	3/4	100.09	3/4	9.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	502.06	1	401.04	1	300.02	1	199.00	1	97.98	1	7.56	1	1	1	1	1	1	1	1
1/4	499.96	1/4	398.94	1/4	297.92	1/4	196.90	1/4	95.88	1/4	6.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	497.85	1/2	396.83	1/2	295.81	1/2	194.79	1/2	93.77	1/2	5.13	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	495.75	3/4	394.73	3/4	293.71	3/4	192.69	3/4	91.67	3/4	3.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	493.64	1	392.62	1	291.60	1	190.58	1	89.56	1	3.00	1	1	1	1	1	1	1	1
1/4	491.54	1/4	390.52	1/4	289.50	1/4	188.48	1/4	87.47	1/4	2.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	489.43	1/2	388.41	1/2	287.39	1/2	186.37	1/2	85.38	1/2	1.22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	487.33	3/4	386.31	3/4	285.29	3/4	184.27	3/4	83.29	3/4	0.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	485.22	1	384.20	1	283.18	1	182.16	1	81.20	1	0.44	1	1	1	1	1	1	1	1
1/4	483.12	1/4	382.10	1/4	281.08	1/4	180.06	1/4	79.16	1/4	0.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	481.02	1/2	379.99	1/2	278.97	1/2	177.95	1/2	77.13	1/2	0.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	478.91	3/4	377.89	3/4	276.87	3/4	175.85	3/4	75.09	3/4	0.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	476.81	1	375.78	1	274.76	1	173.74	1	73.05	1	0.88	1	1	1	1	1	1	1	1
1/4	474.71	1/4	373.68	1/4	272.66	1/4	171.64	1/4	71.03	1/4	0.99	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	472.60	1/2	371.58	1/2	270.56	1/2	169.53	1/2	69.01	1/2	1.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	470.50	3/4	369.47	3/4	268.45	3/4	167.43	3/4	66.99	3/4	1.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	468.39	1	367.37	1	266.35	1	165.32	1	64.97	1	1.32	1	1	1	1	1	1	1	1
1/4	466.29	1/4	365.27	1/4	264.25	1/4	163.22	1/4	62.96	1/4	1.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	464.18	1/2	363.16	1/2	262.14	1/2	161.12	1/2	61.01	1/2	1.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	462.08	3/4	361.06	3/4	260.04	3/4	159.01	3/4	59.02	3/4	1.65	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	459.97	1	358.95	1	257.93	1	156.91	1	57.04	1	1.76	1	1	1	1	1	1	1	1
1/4	457.87	1/4	356.85	1/4	255.83	1/4	154.80	1/4	55.19	1/4	1.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	455.76	1/2	354.74	1/2	253.72	1/2	152.69	1/2	53.34	1/2	1.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	453.66	3/4	352.64	3/4	251.62	3/4	150.58	3/4	51.49	3/4	2.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	451.55	1	350.53	1	249.51	1	148.47	1	49.64	1	2.20	1	1	1	1	1	1	1	1
1/4	449.45	1/4	348.43	1/4	247.41	1/4	146.37	1/4	47.83	1/4	2.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	447.34	1/2	346.32	1/2	245.30	1/2	144.27	1/2	46.02	1/2	2.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	445.24	3/4	344.22	3/4	243.20	3/4	142.17	3/4	44.21	3/4	2.53	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	443.13	1	342.11	1	241.09	1	140.07	1	42.40	1	2.64	1	1	1	1	1	1	1	1
1/4	441.03	1/4	340.01	1/4	238.99	1/4	137.97	1/4	40.59	1/4	2.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	438.92	1/2	337.90	1/2	236.88	1/2	135.86	1/2	38.78	1/2	2.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	436.82	3/4	335.80	3/4	234.78	3/4	133.76	3/4	36.97	3/4	2.97	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	434.71	1	333.69	1	232.67	1	131.65	1	35.16	1	3.08	1	1	1	1	1	1	1	1
1/4	432.61	1/4	331.59	1/4	230.57	1/4	129.55	1/4	33.35	1/4	3.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	430.51	1/2	329.48	1/2	228.46	1/2	127.44	1/2	31.54	1/2	3.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	428.40	3/4	327.38	3/4	226.36	3/4	125.34	3/4	29.73	3/4	3.41	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12211193 SI
 DECK MEASUREMENTS: 6106/2004 CL
 REPRINTED: 0123/2004 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 01/2004

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearsland, Texas 77569
<http://www.pma.com.net>



BARGE "KIRBY 21004 T"

4 STBD

ULLAGE TABLE

GAUGE HEIGHT 15'-04 1/2"

FORMERLY "S/R 262"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	1,140.95	0	1,039.72	0	938.61	0	837.49	0	736.37	0	635.26	0
1/4	1/4	1,138.90	1/4	1,037.62	1/4	936.50	1/4	835.38	1/4	734.27	1/4	633.15	1/4
1/2	1/2	1,136.84	1/2	1,035.51	1/2	934.39	1/2	833.27	1/2	732.16	1/2	631.04	1/2
3/4	3/4	1,134.73	3/4	1,033.41	3/4	932.29	3/4	831.17	3/4	730.06	3/4	628.94	3/4
1	1	1,132.57	1	1,031.30	1	930.18	1	829.06	1	727.95	1	626.83	1
1 1/4	1 1/4	1,130.42	1 1/4	1,029.18	1 1/4	928.08	1 1/4	828.96	1 1/4	725.84	1 1/4	624.72	1 1/4
1 1/2	1 1/2	1,128.26	1 1/2	1,027.08	1 1/2	925.97	1 1/2	824.85	1 1/2	723.73	1 1/2	622.61	1 1/2
1 3/4	1 3/4	1,126.13	1 3/4	1,024.98	1 3/4	923.87	1 3/4	822.75	1 3/4	721.63	1 3/4	620.51	1 3/4
2	2	1,124.02	2	1,022.87	2	921.76	2	820.64	2	719.52	2	618.40	2
2 1/4	2 1/4	1,121.91	2 1/4	1,020.77	2 1/4	919.65	2 1/4	818.53	2 1/4	717.42	2 1/4	616.30	2 1/4
2 1/2	2 1/2	1,119.80	2 1/2	1,018.66	2 1/2	917.54	2 1/2	817.42	2 1/2	715.31	2 1/2	614.19	2 1/2
2 3/4	2 3/4	1,117.70	2 3/4	1,016.56	2 3/4	915.44	2 3/4	815.32	2 3/4	713.21	2 3/4	612.08	2 3/4
3	3	1,115.59	3	1,014.45	3	913.33	3	813.21	3	711.10	3	609.98	3
3 1/4	3 1/4	1,113.48	3 1/4	1,012.34	3 1/4	911.22	3 1/4	811.11	3 1/4	708.99	3 1/4	607.87	3 1/4
3 1/2	3 1/2	1,111.37	3 1/2	1,010.23	3 1/2	909.11	3 1/2	808.00	3 1/2	706.88	3 1/2	605.76	3 1/2
3 3/4	3 3/4	1,109.27	3 3/4	1,008.13	3 3/4	907.01	3 3/4	805.90	3 3/4	704.76	3 3/4	603.66	3 3/4
4	4	1,107.16	4	1,006.02	4	904.90	4	803.79	4	702.67	4	601.55	4
4 1/4	4 1/4	1,105.05	4 1/4	1,003.91	4 1/4	902.80	4 1/4	801.68	4 1/4	700.56	4 1/4	599.45	4 1/4
4 1/2	4 1/2	1,102.94	4 1/2	1,001.80	4 1/2	900.69	4 1/2	799.57	4 1/2	698.45	4 1/2	597.34	4 1/2
4 3/4	4 3/4	1,100.83	4 3/4	999.70	4 3/4	898.59	4 3/4	797.47	4 3/4	696.35	4 3/4	595.24	4 3/4
5	5	1,098.72	5	997.59	5	896.48	5	795.36	5	694.24	5	593.13	5
5 1/4	5 1/4	1,096.61	5 1/4	995.49	5 1/4	894.37	5 1/4	793.25	5 1/4	692.14	5 1/4	591.02	5 1/4
5 1/2	5 1/2	1,094.50	5 1/2	993.38	5 1/2	892.26	5 1/2	791.14	5 1/2	690.03	5 1/2	588.91	5 1/2
5 3/4	5 3/4	1,092.39	5 3/4	991.28	5 3/4	890.15	5 3/4	789.04	5 3/4	687.93	5 3/4	586.81	5 3/4
6	6	1,090.28	6	989.17	6	888.04	6	786.93	6	685.82	6	584.70	6
6 1/4	6 1/4	1,088.18	6 1/4	987.06	6 1/4	885.93	6 1/4	784.83	6 1/4	683.71	6 1/4	582.59	6 1/4
6 1/2	6 1/2	1,086.07	6 1/2	984.95	6 1/2	883.82	6 1/2	782.72	6 1/2	681.60	6 1/2	580.48	6 1/2
6 3/4	6 3/4	1,083.97	6 3/4	982.85	6 3/4	881.71	6 3/4	780.62	6 3/4	679.50	6 3/4	578.38	6 3/4
7	7	1,081.86	7	980.74	7	879.61	7	778.51	7	677.39	7	576.27	7
7 1/4	7 1/4	1,079.75	7 1/4	978.63	7 1/4	877.51	7 1/4	776.40	7 1/4	675.28	7 1/4	574.17	7 1/4
7 1/2	7 1/2	1,077.64	7 1/2	976.52	7 1/2	875.41	7 1/2	774.29	7 1/2	673.17	7 1/2	572.06	7 1/2
7 3/4	7 3/4	1,075.54	7 3/4	974.42	7 3/4	873.31	7 3/4	772.19	7 3/4	671.07	7 3/4	569.96	7 3/4
8	8	1,073.44	8	972.31	8	871.20	8	770.08	8	668.96	8	567.85	8
8 1/4	8 1/4	1,071.33	8 1/4	970.21	8 1/4	869.09	8 1/4	767.97	8 1/4	666.86	8 1/4	565.74	8 1/4
8 1/2	8 1/2	1,069.23	8 1/2	968.10	8 1/2	866.98	8 1/2	765.88	8 1/2	664.75	8 1/2	563.63	8 1/2
8 3/4	8 3/4	1,067.13	8 3/4	966.00	8 3/4	864.88	8 3/4	763.78	8 3/4	662.65	8 3/4	561.53	8 3/4
9	9	1,065.02	9	963.89	9	862.77	9	761.65	9	660.54	9	559.42	9
9 1/4	9 1/4	1,062.91	9 1/4	961.78	9 1/4	860.66	9 1/4	759.55	9 1/4	658.43	9 1/4	557.31	9 1/4
9 1/2	9 1/2	1,060.80	9 1/2	959.87	9 1/2	858.55	9 1/2	757.44	9 1/2	656.32	9 1/2	555.20	9 1/2
9 3/4	9 3/4	1,058.69	9 3/4	957.57	9 3/4	856.45	9 3/4	755.34	9 3/4	654.22	9 3/4	553.10	9 3/4
10	10	1,056.58	10	955.46	10	854.34	10	753.23	10	652.11	10	550.99	10
10 1/4	10 1/4	1,054.47	10 1/4	953.35	10 1/4	852.24	10 1/4	751.12	10 1/4	650.00	10 1/4	548.89	10 1/4
10 1/2	10 1/2	1,052.36	10 1/2	951.24	10 1/2	850.13	10 1/2	749.01	10 1/2	647.89	10 1/2	546.78	10 1/2
10 3/4	10 3/4	1,050.26	10 3/4	949.14	10 3/4	848.03	10 3/4	746.91	10 3/4	645.79	10 3/4	544.68	10 3/4
11	11	1,048.15	11	947.03	11	846.15	11	744.80	11	643.68	11	542.57	11
11 1/4	11 1/4	1,046.04	11 1/4	944.93	11 1/4	843.81	11 1/4	742.69	11 1/4	641.58	11 1/4	540.46	11 1/4
11 1/2	11 1/2	1,043.93	11 1/2	942.82	11 1/2	841.70	11 1/2	740.58	11 1/2	639.47	11 1/2	538.35	11 1/2
11 3/4	11 3/4	1,041.83	11 3/4	940.72	11 3/4	839.60	11 3/4	738.48	11 3/4	637.37	11 3/4	536.25	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 11'-06" OFF CENTERLINE AND 10'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 21004 T"

4 STBD ULLAGE TABLE

FORMERLY "SR 262"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 15'-04 1/2"										
H	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.	H	
0	534.14	0	331.91	0	230.79	0	129.67	0	33.38	0	0	0
1/4	532.03	1/4	329.80	1/4	228.68	1/4	127.57	1/4	31.57	1/4	1/4	1/4
1/2	529.92	1/2	327.69	1/2	226.57	1/2	125.46	1/2	29.76	1/2	1/2	1/2
3/4	527.82	3/4	325.59	3/4	224.47	3/4	123.36	3/4	27.94	3/4	3/4	3/4
1	525.71	1	323.48	1	222.36	1	121.25	1	26.13	1	1	1
1 1/4	523.61	1 1/4	321.37	1 1/4	220.26	1 1/4	119.14	1 1/4	24.32	1 1/4	1 1/4	1 1/4
1 1/2	521.50	1 1/2	319.26	1 1/2	218.15	1 1/2	117.03	1 1/2	22.51	1 1/2	1 1/2	1 1/2
1 3/4	519.40	1 3/4	317.16	1 3/4	216.05	1 3/4	114.93	1 3/4	20.71	1 3/4	1 3/4	1 3/4
2	517.29	2	315.05	2	213.94	2	112.82	2	18.92	2	2	2
2 1/4	515.18	2 1/4	312.95	2 1/4	211.83	2 1/4	110.71	2 1/4	17.13	2 1/4	2 1/4	2 1/4
2 1/2	513.07	2 1/2	310.84	2 1/2	209.72	2 1/2	108.60	2 1/2	15.34	2 1/2	2 1/2	2 1/2
2 3/4	510.97	2 3/4	308.74	2 3/4	207.62	2 3/4	106.50	2 3/4	13.67	2 3/4	2 3/4	2 3/4
3	508.86	3	306.63	3	205.51	3	104.39	3	12.10	3	3	3
3 1/4	506.76	3 1/4	304.52	3 1/4	203.40	3 1/4	102.29	3 1/4	10.53	3 1/4	3 1/4	3 1/4
3 1/2	504.65	3 1/2	302.41	3 1/2	201.29	3 1/2	100.18	3 1/2	8.96	3 1/2	3 1/2	3 1/2
3 3/4	502.55	3 3/4	300.31	3 3/4	199.19	3 3/4	98.08	3 3/4	7.50	3 3/4	3 3/4	3 3/4
4	500.44	4	298.20	4	197.08	4	95.97	4	6.34	4	4	4
4 1/4	498.33	4 1/4	296.10	4 1/4	194.96	4 1/4	93.86	4 1/4	5.12	4 1/4	4 1/4	4 1/4
4 1/2	496.22	4 1/2	293.99	4 1/2	192.87	4 1/2	91.75	4 1/2	3.90	4 1/2	4 1/2	4 1/2
4 3/4	494.12	4 3/4	291.89	4 3/4	190.77	4 3/4	89.65	4 3/4	3.44	4 3/4	4 3/4	4 3/4
5	492.01	5	289.78	5	188.66	5	87.55	5	3.14	5	5	5
5 1/4	489.90	5 1/4	287.67	5 1/4	186.55	5 1/4	85.46	5 1/4	2.88	5 1/4	5 1/4	5 1/4
5 1/2	487.79	5 1/2	285.56	5 1/2	184.44	5 1/2	83.36	5 1/2	2.66	5 1/2	5 1/2	5 1/2
5 3/4	485.69	5 3/4	283.46	5 3/4	182.34	5 3/4	81.29	5 3/4	2.46	5 3/4	5 3/4	5 3/4
6	483.58	6	281.35	6	180.23	6	79.25	6	2.28	6	6	6
6 1/4	481.48	6 1/4	279.24	6 1/4	178.13	6 1/4	77.20	6 1/4	2.12	6 1/4	6 1/4	6 1/4
6 1/2	479.37	6 1/2	277.13	6 1/2	176.02	6 1/2	75.16	6 1/2	1.98	6 1/2	6 1/2	6 1/2
6 3/4	477.27	6 3/4	275.03	6 3/4	173.92	6 3/4	73.13	6 3/4	1.86	6 3/4	6 3/4	6 3/4
7	475.16	7	272.92	7	171.81	7	71.10	7	1.75	7	7	7
7 1/4	473.05	7 1/4	270.82	7 1/4	169.70	7 1/4	69.08	7 1/4	1.65	7 1/4	7 1/4	7 1/4
7 1/2	470.94	7 1/2	268.71	7 1/2	167.59	7 1/2	67.05	7 1/2	1.56	7 1/2	7 1/2	7 1/2
7 3/4	468.84	7 3/4	266.61	7 3/4	165.49	7 3/4	65.04	7 3/4	1.47	7 3/4	7 3/4	7 3/4
8	466.73	8	264.50	8	163.38	8	63.04	8	1.39	8	8	8
8 1/4	464.62	8 1/4	262.39	8 1/4	161.27	8 1/4	61.03	8 1/4	1.32	8 1/4	8 1/4	8 1/4
8 1/2	462.51	8 1/2	260.28	8 1/2	159.16	8 1/2	59.03	8 1/2	1.25	8 1/2	8 1/2	8 1/2
8 3/4	460.41	8 3/4	258.18	8 3/4	157.06	8 3/4	57.10	8 3/4	1.18	8 3/4	8 3/4	8 3/4
9	458.30	9	256.07	9	154.95	9	55.24	9	1.12	9	9	9
9 1/4	456.20	9 1/4	253.96	9 1/4	152.85	9 1/4	53.38	9 1/4	1.06	9 1/4	9 1/4	9 1/4
9 1/2	454.09	9 1/2	251.85	9 1/2	150.74	9 1/2	51.52	9 1/2	1.00	9 1/2	9 1/2	9 1/2
9 3/4	451.99	9 3/4	249.75	9 3/4	148.64	9 3/4	49.69	9 3/4	0.94	9 3/4	9 3/4	9 3/4
10	449.88	10	247.64	10	146.53	10	47.88	10	0.89	10	10	10
10 1/4	447.77	10 1/4	245.54	10 1/4	144.42	10 1/4	46.07	10 1/4	0.83	10 1/4	10 1/4	10 1/4
10 1/2	445.66	10 1/2	243.43	10 1/2	142.31	10 1/2	44.26	10 1/2	0.78	10 1/2	10 1/2	10 1/2
10 3/4	443.56	10 3/4	241.33	10 3/4	140.21	10 3/4	42.44	10 3/4	0.73	10 3/4	10 3/4	10 3/4
11	441.45	11	239.22	11	138.10	11	40.63	11	0.68	11	11	11
11 1/4	439.34	11 1/4	237.11	11 1/4	135.99	11 1/4	38.82	11 1/4	0.63	11 1/4	11 1/4	11 1/4
11 1/2	437.23	11 1/2	235.00	11 1/2	133.88	11 1/2	37.01	11 1/2	0.58	11 1/2	11 1/2	11 1/2
11 3/4	435.13	11 3/4	232.90	11 3/4	131.78	11 3/4	35.19	11 3/4	0.53	11 3/4	11 3/4	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/1993 SH
DECK MEASUREMENTS: 01/06/2004 CL
REPRINTED: 01/23/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2004

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 21004 T"

5 PORT ULLAGE TABLE

GAUGE HEIGHT 15'-04 1/2"

FORMERLY "SR 282"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	H	N	H	N	H	N	H	N	H	N	H	N	H	N	H	N	H	N	H
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1,061.04	1/4	858.25	1/4	655.48	1/4	452.67	1/4	250.08	1/4	84.35	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,056.82	1/2	854.03	1/2	651.24	1/2	448.45	1/2	245.92	1/2	80.88	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,052.59	3/4	849.80	3/4	647.01	3/4	444.22	3/4	241.76	3/4	77.38	3/4	0	3/4	0	3/4	0	3/4	0
1	1,048.37	1	845.58	1	642.79	1	440.00	1	237.59	1	73.89	1	0	1	0	1	0	1	0
1 1/4	1,044.14	1 1/4	841.35	1 1/4	638.56	1 1/4	435.77	1 1/4	233.43	1 1/4	70.40	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,039.92	1 1/2	837.13	1 1/2	634.34	1 1/2	431.55	1 1/2	229.30	1 1/2	66.98	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
1 3/4	1,035.69	1 3/4	832.90	1 3/4	630.11	1 3/4	427.32	1 3/4	225.17	1 3/4	63.52	1 3/4	0	1 3/4	0	1 3/4	0	1 3/4	0
2	1,031.47	2	828.68	2	625.89	2	423.10	2	221.03	2	60.04	2	0	2	0	2	0	2	0
2 1/4	1,027.24	2 1/4	824.45	2 1/4	621.66	2 1/4	418.87	2 1/4	216.90	2 1/4	56.52	2 1/4	0	2 1/4	0	2 1/4	0	2 1/4	0
2 1/2	1,023.02	2 1/2	820.23	2 1/2	617.44	2 1/2	414.65	2 1/2	212.72	2 1/2	53.00	2 1/2	0	2 1/2	0	2 1/2	0	2 1/2	0
2 3/4	1,018.79	2 3/4	816.00	2 3/4	613.21	2 3/4	410.42	2 3/4	208.54	2 3/4	49.48	2 3/4	0	2 3/4	0	2 3/4	0	2 3/4	0
3	1,014.57	3	811.78	3	608.99	3	406.20	3	204.35	3	45.96	3	0	3	0	3	0	3	0
3 1/4	1,010.34	3 1/4	807.55	3 1/4	604.76	3 1/4	401.97	3 1/4	200.17	3 1/4	42.44	3 1/4	0	3 1/4	0	3 1/4	0	3 1/4	0
3 1/2	1,006.12	3 1/2	803.33	3 1/2	600.54	3 1/2	397.75	3 1/2	195.95	3 1/2	38.92	3 1/2	0	3 1/2	0	3 1/2	0	3 1/2	0
3 3/4	1,001.90	3 3/4	799.11	3 3/4	596.31	3 3/4	393.52	3 3/4	191.72	3 3/4	35.40	3 3/4	0	3 3/4	0	3 3/4	0	3 3/4	0
4	997.67	4	794.88	4	592.09	4	389.30	4	187.50	4	31.88	4	0	4	0	4	0	4	0
4 1/4	993.45	4 1/4	790.66	4 1/4	587.86	4 1/4	385.07	4 1/4	183.27	4 1/4	28.36	4 1/4	0	4 1/4	0	4 1/4	0	4 1/4	0
4 1/2	989.23	4 1/2	786.44	4 1/2	583.64	4 1/2	380.85	4 1/2	179.04	4 1/2	24.84	4 1/2	0	4 1/2	0	4 1/2	0	4 1/2	0
4 3/4	985.00	4 3/4	782.21	4 3/4	579.42	4 3/4	376.63	4 3/4	174.81	4 3/4	21.32	4 3/4	0	4 3/4	0	4 3/4	0	4 3/4	0
5	980.78	5	777.99	5	575.19	5	372.40	5	170.58	5	17.80	5	0	5	0	5	0	5	0
5 1/4	976.55	5 1/4	773.76	5 1/4	570.97	5 1/4	368.18	5 1/4	166.35	5 1/4	14.28	5 1/4	0	5 1/4	0	5 1/4	0	5 1/4	0
5 1/2	972.33	5 1/2	769.54	5 1/2	566.75	5 1/2	363.96	5 1/2	162.12	5 1/2	10.76	5 1/2	0	5 1/2	0	5 1/2	0	5 1/2	0
5 3/4	968.10	5 3/4	765.31	5 3/4	562.52	5 3/4	359.73	5 3/4	157.89	5 3/4	7.24	5 3/4	0	5 3/4	0	5 3/4	0	5 3/4	0
6	963.88	6	761.08	6	558.30	6	355.51	6	153.66	6	3.72	6	0	6	0	6	0	6	0
6 1/4	959.65	6 1/4	756.86	6 1/4	554.07	6 1/4	351.28	6 1/4	149.43	6 1/4	0.20	6 1/4	0	6 1/4	0	6 1/4	0	6 1/4	0
6 1/2	955.43	6 1/2	752.64	6 1/2	549.85	6 1/2	347.06	6 1/2	145.20	6 1/2	0.00	6 1/2	0	6 1/2	0	6 1/2	0	6 1/2	0
6 3/4	951.20	6 3/4	748.41	6 3/4	545.62	6 3/4	342.83	6 3/4	140.97	6 3/4	0.00	6 3/4	0	6 3/4	0	6 3/4	0	6 3/4	0
7	946.98	7	744.19	7	541.40	7	338.61	7	136.74	7	0.00	7	0	7	0	7	0	7	0
7 1/4	942.75	7 1/4	739.96	7 1/4	537.17	7 1/4	334.38	7 1/4	132.51	7 1/4	0.00	7 1/4	0	7 1/4	0	7 1/4	0	7 1/4	0
7 1/2	938.53	7 1/2	735.74	7 1/2	532.95	7 1/2	330.16	7 1/2	128.28	7 1/2	0.00	7 1/2	0	7 1/2	0	7 1/2	0	7 1/2	0
7 3/4	934.30	7 3/4	731.51	7 3/4	528.72	7 3/4	325.93	7 3/4	124.05	7 3/4	0.00	7 3/4	0	7 3/4	0	7 3/4	0	7 3/4	0
8	930.08	8	727.29	8	524.50	8	321.71	8	119.82	8	0.00	8	0	8	0	8	0	8	0
8 1/4	925.85	8 1/4	723.06	8 1/4	520.27	8 1/4	317.48	8 1/4	115.59	8 1/4	0.00	8 1/4	0	8 1/4	0	8 1/4	0	8 1/4	0
8 1/2	921.63	8 1/2	718.84	8 1/2	516.05	8 1/2	313.26	8 1/2	111.36	8 1/2	0.00	8 1/2	0	8 1/2	0	8 1/2	0	8 1/2	0
8 3/4	917.40	8 3/4	714.61	8 3/4	511.82	8 3/4	309.03	8 3/4	107.13	8 3/4	0.00	8 3/4	0	8 3/4	0	8 3/4	0	8 3/4	0
9	913.18	9	710.39	9	507.60	9	304.81	9	102.90	9	0.00	9	0	9	0	9	0	9	0
9 1/4	908.95	9 1/4	706.16	9 1/4	503.37	9 1/4	300.58	9 1/4	98.67	9 1/4	0.00	9 1/4	0	9 1/4	0	9 1/4	0	9 1/4	0
9 1/2	904.73	9 1/2	701.94	9 1/2	499.15	9 1/2	296.36	9 1/2	94.44	9 1/2	0.00	9 1/2	0	9 1/2	0	9 1/2	0	9 1/2	0
9 3/4	900.50	9 3/4	697.71	9 3/4	494.92	9 3/4	292.13	9 3/4	90.21	9 3/4	0.00	9 3/4	0	9 3/4	0	9 3/4	0	9 3/4	0
10	896.28	10	693.49	10	490.70	10	287.91	10	85.98	10	0.00	10	0	10	0	10	0	10	0
10 1/4	892.05	10 1/4	689.26	10 1/4	486.47	10 1/4	283.68	10 1/4	81.75	10 1/4	0.00	10 1/4	0	10 1/4	0	10 1/4	0	10 1/4	0
10 1/2	887.83	10 1/2	685.04	10 1/2	482.25	10 1/2	279.45	10 1/2	77.52	10 1/2	0.00	10 1/2	0	10 1/2	0	10 1/2	0	10 1/2	0
10 3/4	883.60	10 3/4	680.81	10 3/4	478.02	10 3/4	275.22	10 3/4	73.29	10 3/4	0.00	10 3/4	0	10 3/4	0	10 3/4	0	10 3/4	0
11	879.38	11	676.59	11	473.80	11	271.00	11	69.06	11	0.00	11	0	11	0	11	0	11	0
11 1/4	875.15	11 1/4	672.36	11 1/4	469.57	11 1/4	266.77	11 1/4	64.83	11 1/4	0.00	11 1/4	0	11 1/4	0	11 1/4	0	11 1/4	0
11 1/2	870.93	11 1/2	668.14	11 1/2	465.35	11 1/2	262.54	11 1/2	60.60	11 1/2	0.00	11 1/2	0	11 1/2	0	11 1/2	0	11 1/2	0
11 3/4	866.70	11 3/4	663.91	11 3/4	461.12	11 3/4	258.31	11 3/4	56.37	11 3/4	0.00	11 3/4	0	11 3/4	0	11 3/4	0	11 3/4	0
12	862.48	12	659.69	12	456.90	12	254.12	12	52.14	12	0.00	12	0	12	0	12	0	12	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/1983 B1
DECK MEASUREMENTS: 01/04/2004 CL
REPRINTED: 01/23/2004 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2004

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



BARGE "KIRBY 21004 T"

5 STBD ULLAGE TABLE

GAUGE HEIGHT 15'-04 3/4"

FORMERLY "S/R 262"

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

0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	0	2,482.37	0	2,279.96	0	1,874.89	0	1,468.94
1/4	1/4	1/4	2,478.21	1/4	2,275.74	1/4	1,870.68	1/4	1,465.72
1/2	1/2	1/2	2,474.03	1/2	2,271.47	1/2	1,866.47	1/2	1,461.50
3/4	3/4	3/4	2,469.85	3/4	2,267.20	3/4	1,862.26	3/4	1,457.28
1	1	1	2,465.66	1	2,262.92	1	1,858.05	1	1,453.05
1 1/4	1 1/4	1 1/4	2,461.48	1 1/4	2,258.65	1 1/4	1,853.84	1 1/4	1,448.83
1 1/2	1 1/2	1 1/2	2,457.27	1 1/2	2,254.48	1 1/2	1,849.63	1 1/2	1,444.61
1 3/4	1 3/4	1 3/4	2,453.06	1 3/4	2,250.31	1 3/4	1,845.42	1 3/4	1,440.39
2	2	2	2,448.84	2	2,246.13	2	1,841.21	2	1,436.16
2 1/4	2 1/4	2 1/4	2,444.63	2 1/4	2,241.96	2 1/4	1,837.00	2 1/4	1,431.94
2 1/2	2 1/2	2 1/2	2,440.41	2 1/2	2,237.74	2 1/2	1,832.79	2 1/2	1,427.72
2 3/4	2 3/4	2 3/4	2,436.19	2 3/4	2,233.52	2 3/4	1,828.58	2 3/4	1,423.50
3	3	3	2,431.96	3	2,229.29	3	1,824.37	3	1,419.27
3 1/4	3 1/4	3 1/4	2,427.74	3 1/4	2,225.07	3 1/4	1,820.16	3 1/4	1,415.05
3 1/2	3 1/2	3 1/2	2,423.52	3 1/2	2,220.85	3 1/2	1,815.95	3 1/2	1,410.83
3 3/4	3 3/4	3 3/4	2,419.30	3 3/4	2,216.63	3 3/4	1,811.75	3 3/4	1,406.61
4	4	4	2,415.07	4	2,212.40	4	1,807.54	4	1,402.39
4 1/4	4 1/4	4 1/4	2,410.85	4 1/4	2,208.18	4 1/4	1,803.33	4 1/4	1,398.17
4 1/2	4 1/2	4 1/2	2,406.63	4 1/2	2,203.96	4 1/2	1,799.12	4 1/2	1,393.95
4 3/4	4 3/4	4 3/4	2,402.41	4 3/4	2,199.74	4 3/4	1,794.91	4 3/4	1,389.73
5	5	5	2,398.18	5	2,195.51	5	1,790.70	5	1,385.50
5 1/4	5 1/4	5 1/4	2,393.96	5 1/4	2,191.29	5 1/4	1,786.49	5 1/4	1,381.28
5 1/2	5 1/2	5 1/2	2,389.74	5 1/2	2,187.07	5 1/2	1,782.28	5 1/2	1,377.06
5 3/4	5 3/4	5 3/4	2,385.52	5 3/4	2,182.85	5 3/4	1,778.07	5 3/4	1,372.84
6	6	6	2,381.29	6	2,178.62	6	1,773.86	6	1,368.61
6 1/4	6 1/4	6 1/4	2,377.07	6 1/4	2,174.40	6 1/4	1,769.65	6 1/4	1,364.39
6 1/2	6 1/2	6 1/2	2,372.85	6 1/2	2,170.18	6 1/2	1,765.44	6 1/2	1,360.17
6 3/4	6 3/4	6 3/4	2,368.63	6 3/4	2,165.96	6 3/4	1,761.23	6 3/4	1,355.95
7	7	7	2,364.40	7	2,161.74	7	1,757.02	7	1,351.72
7 1/4	7 1/4	7 1/4	2,360.18	7 1/4	2,157.52	7 1/4	1,752.81	7 1/4	1,347.50
7 1/2	7 1/2	7 1/2	2,355.96	7 1/2	2,153.30	7 1/2	1,748.59	7 1/2	1,343.28
7 3/4	7 3/4	7 3/4	2,351.74	7 3/4	2,149.08	7 3/4	1,744.38	7 3/4	1,339.06
8	8	8	2,347.51	8	2,144.85	8	1,740.16	8	1,334.83
8 1/4	8 1/4	8 1/4	2,343.29	8 1/4	2,140.63	8 1/4	1,735.94	8 1/4	1,330.61
8 1/2	8 1/2	8 1/2	2,339.07	8 1/2	2,136.41	8 1/2	1,731.72	8 1/2	1,326.39
8 3/4	8 3/4	8 3/4	2,334.85	8 3/4	2,132.19	8 3/4	1,727.50	8 3/4	1,322.17
9	9	9	2,330.62	9	2,127.96	9	1,723.27	9	1,317.94
9 1/4	9 1/4	9 1/4	2,326.40	9 1/4	2,123.74	9 1/4	1,719.05	9 1/4	1,313.72
9 1/2	9 1/2	9 1/2	2,322.18	9 1/2	2,119.52	9 1/2	1,714.83	9 1/2	1,309.50
9 3/4	9 3/4	9 3/4	2,317.96	9 3/4	2,115.30	9 3/4	1,710.61	9 3/4	1,305.28
10	10	10	2,313.73	10	2,111.07	10	1,706.38	10	1,301.05
10 1/4	10 1/4	10 1/4	2,309.51	10 1/4	2,106.85	10 1/4	1,702.16	10 1/4	1,296.83
10 1/2	10 1/2	10 1/2	2,305.29	10 1/2	2,102.63	10 1/2	1,697.94	10 1/2	1,292.61
10 3/4	10 3/4	10 3/4	2,301.07	10 3/4	2,098.41	10 3/4	1,693.72	10 3/4	1,288.39
11	11	11	2,296.85	11	2,094.18	11	1,689.50	11	1,284.18
11 1/4	11 1/4	11 1/4	2,292.63	11 1/4	2,089.96	11 1/4	1,685.28	11 1/4	1,279.94
11 1/2	11 1/2	11 1/2	2,288.41	11 1/2	2,085.74	11 1/2	1,681.06	11 1/2	1,275.72
11 3/4	11 3/4	11 3/4	2,284.19	11 3/4	2,081.52	11 3/4	1,676.84	11 3/4	1,271.50

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 11'-00" OFF CENTERLINE AND 22'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2082
Pearland, Texas 77588
http://www.pma.com.net



BARGE "KIRBY 21004 T"

5 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U S GALLONS			FORMERLY "SR 282"			GAUGE HEIGHT 15'-04 3/4"													
N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	1,064.61	0	861.94	0	659.28	0	456.61	0	254.11	0	67.86	0		0					
1/4	1,060.39	1/4	857.72	1/4	655.08	1/4	452.39	1/4	248.83	1/4	64.31	1/4		1/4					
1/2	1,056.17	1/2	853.50	1/2	650.84	1/2	448.17	1/2	245.77	1/2	60.83	1/2		1/2					
3/4	1,051.95	3/4	849.28	3/4	646.61	3/4	443.95	3/4	241.60	3/4	57.34	3/4		3/4					
1	1,047.72	1	845.06	1	642.39	1	438.72	1	237.44	1	53.86	1		1					
1/4	1,043.50	1/4	840.84	1/4	638.17	1/4	435.50	1/4	233.28	1/4	50.38	1/4		1/4					
1/2	1,039.28	1/2	836.62	1/2	633.95	1/2	431.28	1/2	229.15	1/2	46.90	1/2		1/2					
3/4	1,035.06	3/4	832.39	3/4	629.72	3/4	427.06	3/4	225.02	3/4	43.54	3/4		3/4					
2	1,030.83	2	828.17	2	625.50	2	422.84	2	220.90	2	40.12	2		2					
1/4	1,026.61	1/4	823.95	1/4	621.28	1/4	418.62	1/4	216.77	1/4	36.70	1/4		1/4					
1/2	1,022.39	1/2	819.73	1/2	617.06	1/2	414.40	1/2	212.68	1/2	33.45	1/2		1/2					
3/4	1,018.17	3/4	815.50	3/4	612.84	3/4	410.17	3/4	208.61	3/4	30.18	3/4		3/4					
3	1,013.94	3	811.28	3	608.61	3	405.95	3	204.54	3	26.94	3		3					
1/4	1,009.72	1/4	807.06	1/4	604.39	1/4	401.73	1/4	200.46	1/4	23.69	1/4		1/4					
1/2	1,005.50	1/2	802.84	1/2	600.17	1/2	397.51	1/2	196.43	1/2	21.10	1/2		1/2					
3/4	1,001.28	3/4	798.61	3/4	595.95	3/4	393.28	3/4	192.41	3/4	18.51	3/4		3/4					
4	997.05	4	794.39	4	591.72	4	389.06	4	188.38	4	15.92	4		4					
1/4	992.83	1/4	790.17	1/4	587.50	1/4	384.84	1/4	184.36	1/4	13.33	1/4		1/4					
1/2	988.61	1/2	785.95	1/2	583.28	1/2	380.62	1/2	180.40	1/2	11.06	1/2		1/2					
3/4	984.39	3/4	781.72	3/4	579.06	3/4	376.38	3/4	176.44	3/4	8.90	3/4		3/4					
5	980.17	5	777.50	5	574.63	5	372.17	5	172.48	5		5		5					
1/4	975.95	1/4	773.28	1/4	570.61	1/4	367.95	1/4	168.52	1/4		1/4		1/4					
1/2	971.73	1/2	769.06	1/2	566.39	1/2	363.73	1/2	164.62	1/2		1/2		1/2					
3/4	967.50	3/4	764.83	3/4	562.17	3/4	359.50	3/4	160.73	3/4		3/4		3/4					
6	963.28	6	760.61	6	557.95	6	355.28	6	156.83	6		6		6					
1/4	959.06	1/4	756.39	1/4	553.73	1/4	351.06	1/4	152.84	1/4		1/4		1/4					
1/2	954.84	1/2	752.17	1/2	549.51	1/2	346.84	1/2	148.10	1/2		1/2		1/2					
3/4	950.61	3/4	747.94	3/4	545.28	3/4	342.61	3/4	143.27	3/4		3/4		3/4					
7	946.39	7	743.72	7	541.06	7	338.39	7	141.43	7		7		7					
1/4	942.17	1/4	739.50	1/4	536.84	1/4	334.17	1/4	137.60	1/4		1/4		1/4					
1/2	937.95	1/2	735.28	1/2	532.62	1/2	329.95	1/2	133.83	1/2		1/2		1/2					
3/4	933.72	3/4	731.05	3/4	528.40	3/4	325.72	3/4	130.05	3/4		3/4		3/4					
8	929.50	8	726.83	8	524.17	8	321.50	8	126.28	8		8		8					
1/4	925.28	1/4	722.61	1/4	519.95	1/4	317.28	1/4	122.51	1/4		1/4		1/4					
1/2	921.06	1/2	718.39	1/2	515.73	1/2	313.06	1/2	118.70	1/2		1/2		1/2					
3/4	916.83	3/4	714.17	3/4	511.51	3/4	308.83	3/4	115.07	3/4		3/4		3/4					
9	912.61	9	708.95	9	507.28	9	304.61	9	111.35	9		9		9					
1/4	908.39	1/4	705.73	1/4	503.06	1/4	300.39	1/4	107.63	1/4		1/4		1/4					
1/2	904.17	1/2	701.51	1/2	498.84	1/2	296.17	1/2	103.96	1/2		1/2		1/2					
3/4	899.94	3/4	697.28	3/4	494.62	3/4	291.95	3/4	100.28	3/4		3/4		3/4					
10	895.72	10	693.06	10	490.39	10	287.73	10	96.61	10		10		10					
1/4	891.50	1/4	688.84	1/4	486.17	1/4	283.51	1/4	92.94	1/4		1/4		1/4					
1/2	887.28	1/2	684.62	1/2	481.95	1/2	279.30	1/2	89.33	1/2		1/2		1/2					
3/4	883.05	3/4	680.39	3/4	477.73	3/4	275.09	3/4	85.72	3/4		3/4		3/4					
11	878.83	11	676.17	11	473.50	11	270.88	11	82.11	11		11		11					
1/4	874.61	1/4	671.95	1/4	469.28	1/4	266.67	1/4	78.50	1/4		1/4		1/4					
1/2	870.39	1/2	667.73	1/2	465.06	1/2	262.48	1/2	74.95	1/2		1/2		1/2					
3/4	866.18	3/4	663.50	3/4	460.84	3/4	258.30	3/4	71.40	3/4		3/4		3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/1993 SJ
DECK MEASUREMENTS: 01/06/2004 CL
REPRINTED: 01/23/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2004

PRECISION MEASUREMENT

& ANALYSIS, INC.

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