



BARGE "KIRBY 28183"

ULLAGE TRIM TABLE

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

(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)

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

LENGTH BETWEEN DRAFT MARKS: 261'-00"

March 19, 2012

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28183"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,951.71		4,617.73		4,278.30		3,922.38		3,550.58		3,174.18		2,796.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,946.33	1/4	4,610.84	1/4	4,271.06	1/4	3,914.79	1/4	3,542.74	1/4	3,166.31	1/4	2,788.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,939.66	1/2	4,603.92	1/2	4,263.80	1/2	3,907.18	1/2	3,534.90	1/2	3,158.44	1/2	2,780.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,932.98	3/4	4,597.01	3/4	4,256.53	3/4	3,899.57	3/4	3,527.06	3/4	3,150.56	3/4	2,772.65		
1	1	1	1	1	1	1	4,926.30	1	4,590.09	1	4,249.27	1	3,891.96	1	3,519.23	1	3,142.69	1	2,764.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,919.63	1/4	4,583.17	1/4	4,242.01	1/4	3,884.35	1/4	3,511.39	1/4	3,134.82	1/4	2,756.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,912.02	1/2	4,576.22	1/2	4,234.72	1/2	3,876.71	1/2	3,503.55	1/2	3,126.94	1/2	2,749.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,904.41	3/4	4,569.27	3/4	4,227.42	3/4	3,869.07	3/4	3,495.71	3/4	3,119.07	3/4	2,741.16		
2	2	2	2	2	2	2	4,896.80	2	4,562.32	2	4,220.13	2	3,861.44	2	3,487.87	2	3,111.20	2	2,733.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,889.19	1/4	4,555.37	1/4	4,212.84	1/4	3,853.80	1/4	3,480.03	1/4	3,103.32	1/4	2,725.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,881.36	1/2	4,548.40	1/2	4,205.52	1/2	3,846.14	1/2	3,472.20	1/2	3,095.45	1/2	2,717.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,873.52	3/4	4,541.42	3/4	4,198.20	3/4	3,838.47	3/4	3,464.36	3/4	3,087.58	3/4	2,709.66		
3	3	3	3	3	3	3	4,865.68	3	4,534.44	3	4,190.88	3	3,830.81	3	3,456.52	3	3,079.71	3	2,701.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,857.84	1/4	4,527.47	1/4	4,183.56	1/4	3,823.15	1/4	3,448.68	1/4	3,071.83	1/4	2,693.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,850.44	1/2	4,520.46	1/2	4,176.21	1/2	3,815.45	1/2	3,440.84	1/2	3,063.96	1/2	2,686.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,843.03	3/4	4,513.45	3/4	4,168.86	3/4	3,807.76	3/4	3,433.00	3/4	3,056.09	3/4	2,678.17		
4	4	4	4	4	4	4	4,835.63	4	4,506.45	4	4,161.51	4	3,800.07	4	3,425.17	4	3,048.21	4	2,670.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,828.22	1/4	4,499.44	1/4	4,154.16	1/4	3,792.37	1/4	3,417.33	1/4	3,040.34	1/4	2,662.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,821.53	1/2	4,492.41	1/2	4,146.78	1/2	3,784.65	1/2	3,409.49	1/2	3,032.47	1/2	2,654.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,814.84	3/4	4,485.37	3/4	4,139.40	3/4	3,776.93	3/4	3,401.65	3/4	3,024.59	3/4	2,646.68		
5	5	5	5	5	5	5	4,808.14	5	4,478.34	5	4,132.02	5	3,769.21	5	3,393.81	5	3,016.72	5	2,638.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,801.45	1/4	4,471.30	1/4	4,124.64	1/4	3,761.48	1/4	3,385.97	1/4	3,008.85	1/4	2,630.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,794.73	1/2	4,464.24	1/2	4,117.24	1/2	3,753.73	1/2	3,378.14	1/2	3,000.97	1/2	2,623.06		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,788.01	3/4	4,457.17	3/4	4,109.83	3/4	3,745.98	3/4	3,370.30	3/4	2,993.10	3/4	2,615.19		
6	6	6	6	6	6	6	4,781.29	6	4,450.11	6	4,102.42	6	3,738.23	6	3,362.46	6	2,985.23	6	2,607.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,774.57	1/4	4,443.04	1/4	4,095.02	1/4	3,730.48	1/4	3,354.62	1/4	2,977.35	1/4	2,599.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,767.82	1/2	4,435.95	1/2	4,087.58	1/2	3,722.70	1/2	3,346.78	1/2	2,969.48	1/2	2,591.57		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,761.07	3/4	4,428.86	3/4	4,080.14	3/4	3,714.92	3/4	3,338.94	3/4	2,961.61	3/4	2,583.69		
7	7	7	7	7	7	7	4,754.32	7	4,421.77	7	4,072.70	7	3,707.14	7	3,331.11	7	2,953.73	7	2,575.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,747.57	1/4	4,414.67	1/4	4,065.27	1/4	3,699.36	1/4	3,323.27	1/4	2,945.86	1/4	2,567.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,740.79	1/2	4,407.55	1/2	4,057.80	1/2	3,691.55	1/2	3,315.43	1/2	2,937.99	1/2	2,560.07		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,734.01	3/4	4,400.43	3/4	4,050.34	3/4	3,683.74	3/4	3,307.59	3/4	2,930.11	3/4	2,552.20		
8	8	8	8	8	8	8	4,727.23	8	4,393.31	8	4,042.87	8	3,675.93	8	3,299.75	8	2,922.24	8	2,544.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,720.46	1/4	4,386.18	1/4	4,035.41	1/4	3,668.12	1/4	3,291.91	1/4	2,914.37	1/4	2,536.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,713.65	1/2	4,379.03	1/2	4,027.91	1/2	3,660.29	1/2	3,284.08	1/2	2,906.49	1/2	2,528.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,706.84	3/4	4,371.88	3/4	4,020.42	3/4	3,652.46	3/4	3,276.24	3/4	2,898.62	3/4	2,520.71		
9	9	9	9	9	9	9	4,700.03	9	4,364.73	9	4,012.92	9	3,644.63	9	3,268.40	9	2,890.75	9	2,512.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,693.22	1/4	4,357.58	1/4	4,005.43	1/4	3,636.80	1/4	3,260.56	1/4	2,882.88	1/4	2,504.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,686.39	1/2	4,350.40	1/2	3,997.90	1/2	3,628.96	1/2	3,252.72	1/2	2,875.00	1/2	2,497.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,679.55	3/4	4,343.22	3/4	3,990.38	3/4	3,621.12	3/4	3,244.89	3/4	2,867.13	3/4	2,489.22		
10	10	10	10	10	10	10	4,672.71	10	4,336.04	10	3,982.86	10	3,613.29	10	3,237.05	10	2,859.26	10	2,481.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,665.88	1/4	4,328.86	1/4	3,975.33	1/4	3,605.45	1/4	3,229.21	1/4	2,851.38	1/4	2,473.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,659.01	1/2	4,321.65	1/2	3,967.78	1/2	3,597.61	1/2	3,221.36	1/2	2,843.51	1/2	2,465.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,652.14	3/4	4,314.44	3/4	3,960.23	3/4	3,589.77	3/4	3,213.51	3/4	2,835.64	3/4	2,457.72		
11	11	11	11	11	11	11	4,645.27	11	4,307.23	11	3,952.67	11	3,581.93	11	3,205.65	11	2,827.76	11	2,449.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,638.41	1/4	4,300.02	1/4	3,945.12	1/4	3,574.09	1/4	3,197.80	1/4	2,819.89	1/4	2,441.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,631.52	1/2	4,292.78	1/2	3,937.54	1/2	3,566.26	1/2	3,189.93	1/2	2,812.02	1/2	2,434.10		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,957.09	3/4	4,624.62	3/4	4,285.54	3/4	3,929.96	3/4	3,558.42	3/4	3,182.06	3/4	2,804.14	3/4	2,426.23

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 28183"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,418.36	0	2,040.44	0	1,662.53	0	1,286.01	0	908.87	0	530.99	0	182.77	0		0		0	
1/4	2,410.48	1/4	2,032.57	1/4	1,654.66	1/4	1,278.18	1/4	900.99	1/4	523.13	1/4	176.14	1/4	1/4	1/4		1/4	
1/2	2,402.61	1/2	2,024.70	1/2	1,646.78	1/2	1,270.36	1/2	893.12	1/2	515.32	1/2	169.63	1/2	1/2	1/2		1/2	
3/4	2,394.74	3/4	2,016.82	3/4	1,638.91	3/4	1,262.53	3/4	885.25	3/4	507.50	3/4	163.11	3/4	3/4	3/4		3/4	
1	2,386.86	1	2,008.95	1	1,631.04	1	1,254.71	1	877.37	1	499.69	1	156.59	1	1	1		1	
1/4	2,378.99	1/4	2,001.08	1/4	1,623.16	1/4	1,246.89	1/4	869.50	1/4	491.87	1/4	150.07	1/4	1/4	1/4		1/4	
1/2	2,371.12	1/2	1,993.20	1/2	1,615.29	1/2	1,239.06	1/2	861.63	1/2	484.15	1/2	143.67	1/2	1/2	1/2		1/2	
3/4	2,363.24	3/4	1,985.33	3/4	1,607.42	3/4	1,231.24	3/4	853.76	3/4	476.43	3/4	137.27	3/4	3/4	3/4		3/4	
2	2,355.37	2	1,977.46	2	1,599.54	2	1,223.42	2	845.88	2	468.70	2	130.87	2	2	2		2	
1/4	2,347.50	1/4	1,969.58	1/4	1,591.67	1/4	1,215.59	1/4	838.01	1/4	460.98	1/4	124.47	1/4	1/4	1/4		1/4	
1/2	2,339.62	1/2	1,961.71	1/2	1,583.80	1/2	1,207.77	1/2	830.14	1/2	453.37	1/2	118.19	1/2	1/2	1/2		1/2	
3/4	2,331.75	3/4	1,953.84	3/4	1,575.92	3/4	1,199.94	3/4	822.26	3/4	445.75	3/4	111.91	3/4	3/4	3/4		3/4	
3	2,323.88	3	1,945.96	3	1,568.05	3	1,192.12	3	814.39	3	438.14	3	105.63	3	3	3		3	
1/4	2,316.00	1/4	1,938.09	1/4	1,560.18	1/4	1,184.30	1/4	806.52	1/4	430.53	1/4	99.35	1/4	1/4	1/4		1/4	
1/2	2,308.13	1/2	1,930.22	1/2	1,552.32	1/2	1,176.45	1/2	798.64	1/2	423.02	1/2	93.20	1/2	1/2	1/2		1/2	
3/4	2,300.26	3/4	1,922.34	3/4	1,544.45	3/4	1,168.61	3/4	790.77	3/4	415.52	3/4	87.05	3/4	3/4	3/4		3/4	
4	2,292.39	4	1,914.47	4	1,536.59	4	1,160.77	4	782.90	4	408.02	4	80.90	4	4	4		4	
1/4	2,284.51	1/4	1,906.60	1/4	1,528.73	1/4	1,152.93	1/4	775.03	1/4	400.51	1/4	74.74	1/4	1/4	1/4		1/4	
1/2	2,276.64	1/2	1,898.73	1/2	1,520.89	1/2	1,145.06	1/2	767.15	1/2	393.12	1/2	68.74	1/2	1/2	1/2		1/2	
3/4	2,268.77	3/4	1,890.85	3/4	1,513.04	3/4	1,137.18	3/4	759.28	3/4	385.72	3/4	62.73	3/4	3/4	3/4		3/4	
5	2,260.89	5	1,882.98	5	1,505.20	5	1,129.31	5	751.41	5	378.33	5	56.72	5	5	5		5	
1/4	2,253.02	1/4	1,875.11	1/4	1,497.35	1/4	1,121.44	1/4	743.53	1/4	370.93	1/4	50.71	1/4	1/4	1/4		1/4	
1/2	2,245.15	1/2	1,867.23	1/2	1,489.52	1/2	1,113.56	1/2	735.66	1/2	363.65	1/2	45.29	1/2	1/2	1/2		1/2	
3/4	2,237.27	3/4	1,859.36	3/4	1,481.68	3/4	1,105.69	3/4	727.79	3/4	356.36	3/4	39.87	3/4	3/4	3/4		3/4	
6	2,229.40	6	1,851.49	6	1,473.84	6	1,097.82	6	719.91	6	349.08	6	34.46	6	6	6		6	
1/4	2,221.53	1/4	1,843.61	1/4	1,466.00	1/4	1,089.95	1/4	712.04	1/4	341.79	1/4	29.04	1/4	1/4	1/4		1/4	
1/2	2,213.65	1/2	1,835.74	1/2	1,458.17	1/2	1,082.07	1/2	704.17	1/2	334.62	1/2	25.08	1/2	1/2	1/2		1/2	
3/4	2,205.78	3/4	1,827.87	3/4	1,450.34	3/4	1,074.20	3/4	696.30	3/4	327.44	3/4	21.11	3/4	3/4	3/4		3/4	
7	2,197.91	7	1,819.99	7	1,442.51	7	1,066.33	7	688.42	7	320.27	7	17.15	7	7	7		7	
1/4	2,190.03	1/4	1,812.12	1/4	1,434.67	1/4	1,058.45	1/4	680.55	1/4	313.09	1/4	13.19	1/4	1/4	1/4		1/4	
1/2	2,182.16	1/2	1,804.25	1/2	1,426.85	1/2	1,050.58	1/2	672.68	1/2	306.03	1/2		1/2	1/2	1/2		1/2	
3/4	2,174.29	3/4	1,796.37	3/4	1,419.02	3/4	1,042.71	3/4	664.80	3/4	298.96	3/4		3/4	3/4	3/4		3/4	
8	2,166.41	8	1,788.50	8	1,411.19	8	1,034.83	8	656.93	8	291.89	8		8	8	8		8	
1/4	2,158.54	1/4	1,780.63	1/4	1,403.36	1/4	1,026.96	1/4	649.06	1/4	284.83	1/4		1/4	1/4	1/4		1/4	
1/2	2,150.67	1/2	1,772.75	1/2	1,395.54	1/2	1,019.09	1/2	641.18	1/2	277.87	1/2		1/2	1/2	1/2		1/2	
3/4	2,142.79	3/4	1,764.88	3/4	1,387.72	3/4	1,011.22	3/4	633.31	3/4	270.91	3/4		3/4	3/4	3/4		3/4	
9	2,134.92	9	1,757.01	9	1,379.89	9	1,003.34	9	625.44	9	263.96	9		9	9	9		9	
1/4	2,127.05	1/4	1,749.13	1/4	1,372.07	1/4	995.47	1/4	617.57	1/4	257.00	1/4		1/4	1/4	1/4		1/4	
1/2	2,119.17	1/2	1,741.26	1/2	1,364.24	1/2	987.60	1/2	609.69	1/2	250.15	1/2		1/2	1/2	1/2		1/2	
3/4	2,111.30	3/4	1,733.39	3/4	1,356.42	3/4	979.72	3/4	601.82	3/4	243.30	3/4		3/4	3/4	3/4		3/4	
10	2,103.43	10	1,725.51	10	1,348.60	10	971.85	10	593.95	10	236.46	10		10	10	10		10	
1/4	2,095.56	1/4	1,717.64	1/4	1,340.77	1/4	963.98	1/4	586.07	1/4	229.61	1/4		1/4	1/4	1/4		1/4	
1/2	2,087.68	1/2	1,709.77	1/2	1,332.95	1/2	956.10	1/2	578.20	1/2	222.87	1/2		1/2	1/2	1/2		1/2	
3/4	2,079.81	3/4	1,701.90	3/4	1,325.12	3/4	948.23	3/4	570.33	3/4	216.13	3/4		3/4	3/4	3/4		3/4	
11	2,071.94	11	1,694.02	11	1,317.30	11	940.36	11	562.45	11	209.40	11		11	11	11		11	
1/4	2,064.06	1/4	1,686.15	1/4	1,309.48	1/4	932.49	1/4	554.58	1/4	202.66	1/4		1/4	1/4	1/4		1/4	
1/2	2,056.19	1/2	1,678.28	1/2	1,301.65	1/2	924.61	1/2	546.72	1/2	196.03	1/2		1/2	1/2	1/2		1/2	
3/4	2,048.32	3/4	1,670.40	3/4	1,293.83	3/4	916.74	3/4	538.86	3/4	189.40	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2012 CL - SW
CALCULATED: 03/19/2012 CL
PRINTED: 03/19/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28183"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,941.43	1/4	4,605.70	1/4	4,265.57	1/4	3,908.96	1/4	3,536.68	1/4	3,160.21	1/4	2,782.30
1/2		1/2		1/2		1/2	4,934.76	1/2	4,598.78	1/2	4,258.31	1/2	3,901.35	1/2	3,528.84	1/2	3,152.34	1/2	2,774.43
3/4		3/4		3/4		3/4	4,928.08	3/4	4,591.86	3/4	4,251.05	3/4	3,893.74	3/4	3,521.00	3/4	3,144.47	3/4	2,766.55
1	1	1	1	1	1	1	4,921.41	1	4,584.94	1	4,243.78	1	3,886.12	1	3,513.16	1	3,136.59	1	2,758.68
1/4		1/4		1/4		1/4	4,913.80	1/4	4,578.00	1/4	4,236.49	1/4	3,878.49	1/4	3,505.33	1/4	3,128.72	1/4	2,750.81
1/2		1/2		1/2		1/2	4,906.19	1/2	4,571.05	1/2	4,229.20	1/2	3,870.85	1/2	3,497.49	1/2	3,120.85	1/2	2,742.93
3/4		3/4		3/4		3/4	4,898.58	3/4	4,564.10	3/4	4,221.91	3/4	3,863.22	3/4	3,489.65	3/4	3,112.97	3/4	2,735.06
2	2	2	2	2	2	2	4,890.97	2	4,557.15	2	4,214.62	2	3,855.58	2	3,481.81	2	3,105.10	2	2,727.19
1/4		1/4		1/4		1/4	4,883.13	1/4	4,550.17	1/4	4,207.30	1/4	3,847.92	1/4	3,473.97	1/4	3,097.23	1/4	2,719.31
1/2		1/2		1/2		1/2	4,875.29	1/2	4,543.20	1/2	4,199.98	1/2	3,840.25	1/2	3,466.13	1/2	3,089.35	1/2	2,711.44
3/4		3/4		3/4		3/4	4,867.46	3/4	4,536.22	3/4	4,192.65	3/4	3,832.59	3/4	3,458.30	3/4	3,081.48	3/4	2,703.57
3	3	3	3	3	3	3	4,859.62	3	4,529.24	3	4,185.33	3	3,824.92	3	3,450.46	3	3,073.61	3	2,695.69
1/4		1/4		1/4		1/4	4,852.21	1/4	4,522.24	1/4	4,177.98	1/4	3,817.23	1/4	3,442.62	1/4	3,065.74	1/4	2,687.82
1/2		1/2		1/2		1/2	4,844.81	1/2	4,515.23	1/2	4,170.63	1/2	3,809.54	1/2	3,434.78	1/2	3,057.86	1/2	2,679.95
3/4		3/4		3/4		3/4	4,837.40	3/4	4,508.22	3/4	4,163.29	3/4	3,801.84	3/4	3,426.94	3/4	3,049.99	3/4	2,672.08
4	4	4	4	4	4	4	4,830.00	4	4,501.22	4	4,155.94	4	3,794.15	4	3,419.10	4	3,042.12	4	2,664.20
1/4		1/4		1/4		1/4	4,823.31	1/4	4,494.18	1/4	4,148.56	1/4	3,786.43	1/4	3,411.27	1/4	3,034.24	1/4	2,656.33
1/2		1/2		1/2		1/2	4,816.61	1/2	4,487.15	1/2	4,141.18	1/2	3,778.70	1/2	3,403.43	1/2	3,026.37	1/2	2,648.46
3/4		3/4		3/4		3/4	4,809.92	3/4	4,480.11	3/4	4,133.80	3/4	3,770.98	3/4	3,395.59	3/4	3,018.50	3/4	2,640.58
5	5	5	5	5	5	5	4,803.23	5	4,473.08	5	4,126.42	5	3,763.26	5	3,387.75	5	3,010.62	5	2,632.71
1/4		1/4		1/4		1/4	4,796.51	1/4	4,466.01	1/4	4,119.01	1/4	3,755.51	1/4	3,379.91	1/4	3,002.75	1/4	2,624.84
1/2		1/2		1/2		1/2	4,789.79	1/2	4,458.95	1/2	4,111.61	1/2	3,747.76	1/2	3,372.07	1/2	2,994.88	1/2	2,616.96
3/4		3/4		3/4		3/4	4,783.07	3/4	4,451.89	3/4	4,104.20	3/4	3,740.01	3/4	3,364.24	3/4	2,987.00	3/4	2,609.09
6	6	6	6	6	6	6	4,776.35	6	4,444.82	6	4,096.79	6	3,732.25	6	3,356.40	6	2,979.13	6	2,601.22
1/4		1/4		1/4		1/4	4,769.60	1/4	4,437.73	1/4	4,089.36	1/4	3,724.48	1/4	3,348.56	1/4	2,971.26	1/4	2,593.34
1/2		1/2		1/2		1/2	4,762.85	1/2	4,430.64	1/2	4,081.92	1/2	3,716.70	1/2	3,340.72	1/2	2,963.38	1/2	2,585.47
3/4		3/4		3/4		3/4	4,756.10	3/4	4,423.54	3/4	4,074.48	3/4	3,708.92	3/4	3,332.88	3/4	2,955.51	3/4	2,577.60
7	7	7	7	7	7	7	4,749.35	7	4,416.45	7	4,067.04	7	3,701.14	7	3,325.04	7	2,947.64	7	2,569.72
1/4		1/4		1/4		1/4	4,742.57	1/4	4,409.33	1/4	4,059.58	1/4	3,693.33	1/4	3,317.21	1/4	2,939.76	1/4	2,561.85
1/2		1/2		1/2		1/2	4,735.79	1/2	4,402.21	1/2	4,052.11	1/2	3,685.52	1/2	3,309.37	1/2	2,931.89	1/2	2,553.98
3/4		3/4		3/4		3/4	4,729.01	3/4	4,395.08	3/4	4,044.65	3/4	3,677.71	3/4	3,301.53	3/4	2,924.02	3/4	2,546.10
8	8	8	8	8	8	8	4,722.23	8	4,387.96	8	4,037.18	8	3,669.90	8	3,293.69	8	2,916.14	8	2,538.23
1/4		1/4		1/4		1/4	4,715.42	1/4	4,380.81	1/4	4,029.69	1/4	3,662.07	1/4	3,285.85	1/4	2,908.27	1/4	2,530.36
1/2		1/2		1/2		1/2	4,708.62	1/2	4,373.66	1/2	4,022.19	1/2	3,654.24	1/2	3,278.02	1/2	2,900.40	1/2	2,522.48
3/4		3/4		3/4		3/4	4,701.81	3/4	4,366.51	3/4	4,014.70	3/4	3,646.41	3/4	3,270.18	3/4	2,892.52	3/4	2,514.61
9	9	9	9	9	9	9	4,695.00	9	4,359.36	9	4,007.20	9	3,638.58	9	3,262.34	9	2,884.65	9	2,506.74
1/4		1/4		1/4		1/4	4,688.16	1/4	4,352.17	1/4	3,999.68	1/4	3,630.74	1/4	3,254.50	1/4	2,876.78	1/4	2,498.86
1/2		1/2		1/2		1/2	4,681.32	1/2	4,344.99	1/2	3,992.16	1/2	3,622.90	1/2	3,246.66	1/2	2,868.91	1/2	2,490.99
3/4		3/4		3/4		3/4	4,674.49	3/4	4,337.81	3/4	3,984.63	3/4	3,615.06	3/4	3,238.82	3/4	2,861.03	3/4	2,483.12
10	10	10	10	10	10	10	4,667.65	10	4,330.63	10	3,977.11	10	3,607.22	10	3,230.99	10	2,853.16	10	2,475.25
1/4		1/4		1/4		1/4	4,660.78	1/4	4,323.42	1/4	3,969.56	1/4	3,599.39	1/4	3,223.13	1/4	2,845.29	1/4	2,467.37
1/2		1/2		1/2		1/2	4,653.92	1/2	4,316.21	1/2	3,962.00	1/2	3,591.55	1/2	3,215.28	1/2	2,837.41	1/2	2,459.50
3/4		3/4		3/4		3/4	4,647.05	3/4	4,309.00	3/4	3,954.45	3/4	3,583.71	3/4	3,207.43	3/4	2,829.54	3/4	2,451.63
11	11	11	11	11	11	11	4,640.18	11	4,301.80	11	3,946.90	11	3,575.87	11	3,199.58	11	2,821.67	11	2,443.75
1/4		1/4		1/4		1/4	4,633.29	1/4	4,294.56	1/4	3,939.32	1/4	3,568.03	1/4	3,191.71	1/4	2,813.79	1/4	2,435.88
1/2		1/2		1/2		1/2	4,958.86	1/2	4,626.40	1/2	4,287.32	1/2	3,931.73	1/2	3,183.83	1/2	2,805.92	1/2	2,428.01
3/4		3/4		3/4		3/4	4,953.49	3/4	4,619.51	3/4	4,280.08	3/4	3,924.15	3/4	3,175.96	3/4	2,798.05	3/4	2,420.13

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

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 28183"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,412.26	0	2,034.35	0	1,656.43	0	1,278.52	0	900.91	0	523.13	0	176.14	0		0		0	
1/4	2,404.39	1/4	2,026.47	1/4	1,648.56	1/4	1,270.65	1/4	893.05	1/4	515.32	1/4	169.63	1/4		1/4		1/4	
1/2	2,396.51	1/2	2,018.60	1/2	1,640.69	1/2	1,262.77	1/2	885.19	1/2	507.50	1/2	163.11	1/2		1/2		1/2	
3/4	2,388.64	3/4	2,010.73	3/4	1,632.81	3/4	1,254.90	3/4	877.33	3/4	499.69	3/4	156.59	3/4		3/4		3/4	
1	2,380.77	1	2,002.85	1	1,624.94	1	1,247.03	1	869.47	1	491.87	1	150.07	1		1		1	
1/4	2,372.89	1/4	1,994.98	1/4	1,617.07	1/4	1,239.15	1/4	861.61	1/4	484.15	1/4	143.67	1/4		1/4		1/4	
1/2	2,365.02	1/2	1,987.11	1/2	1,609.19	1/2	1,231.28	1/2	853.74	1/2	476.43	1/2	137.27	1/2		1/2		1/2	
3/4	2,357.15	3/4	1,979.23	3/4	1,601.32	3/4	1,223.41	3/4	845.87	3/4	468.70	3/4	130.87	3/4		3/4		3/4	
2	2,349.27	2	1,971.36	2	1,593.45	2	1,215.53	2	838.01	2	460.98	2	124.47	2		2		2	
1/4	2,341.40	1/4	1,963.49	1/4	1,585.57	1/4	1,207.66	1/4	830.14	1/4	453.37	1/4	118.19	1/4		1/4		1/4	
1/2	2,333.53	1/2	1,955.61	1/2	1,577.70	1/2	1,199.79	1/2	822.26	1/2	445.75	1/2	111.91	1/2		1/2		1/2	
3/4	2,325.65	3/4	1,947.74	3/4	1,569.83	3/4	1,191.91	3/4	814.39	3/4	438.14	3/4	105.63	3/4		3/4		3/4	
3	2,317.78	3	1,939.87	3	1,561.95	3	1,184.04	3	806.52	3	430.53	3	99.35	3		3		3	
1/4	2,309.91	1/4	1,931.99	1/4	1,554.08	1/4	1,176.17	1/4	798.64	1/4	423.02	1/4	93.20	1/4		1/4		1/4	
1/2	2,302.03	1/2	1,924.12	1/2	1,546.21	1/2	1,168.29	1/2	790.77	1/2	415.52	1/2	87.05	1/2		1/2		1/2	
3/4	2,294.16	3/4	1,916.25	3/4	1,538.33	3/4	1,160.42	3/4	782.90	3/4	408.02	3/4	80.90	3/4		3/4		3/4	
4	2,286.29	4	1,908.37	4	1,530.46	4	1,152.55	4	775.03	4	400.51	4	74.74	4		4		4	
1/4	2,278.42	1/4	1,900.50	1/4	1,522.59	1/4	1,144.67	1/4	767.15	1/4	393.12	1/4	68.74	1/4		1/4		1/4	
1/2	2,270.54	1/2	1,892.63	1/2	1,514.71	1/2	1,136.80	1/2	759.28	1/2	385.72	1/2	62.73	1/2		1/2		1/2	
3/4	2,262.67	3/4	1,884.76	3/4	1,506.84	3/4	1,128.93	3/4	751.41	3/4	378.33	3/4	56.72	3/4		3/4		3/4	
5	2,254.80	5	1,876.88	5	1,498.97	5	1,121.05	5	743.53	5	370.93	5	50.71	5		5		5	
1/4	2,246.92	1/4	1,869.01	1/4	1,491.10	1/4	1,113.19	1/4	735.66	1/4	363.65	1/4	45.29	1/4		1/4		1/4	
1/2	2,239.05	1/2	1,861.14	1/2	1,483.22	1/2	1,105.32	1/2	727.79	1/2	356.36	1/2	39.87	1/2		1/2		1/2	
3/4	2,231.18	3/4	1,853.26	3/4	1,475.35	3/4	1,097.45	3/4	719.91	3/4	349.08	3/4	34.46	3/4		3/4		3/4	
6	2,223.30	6	1,845.39	6	1,467.48	6	1,089.58	6	712.04	6	341.79	6	29.04	6		6		6	
1/4	2,215.43	1/4	1,837.52	1/4	1,459.60	1/4	1,081.72	1/4	704.17	1/4	334.62	1/4	25.08	1/4		1/4		1/4	
1/2	2,207.56	1/2	1,829.64	1/2	1,451.73	1/2	1,073.86	1/2	696.30	1/2	327.44	1/2	21.11	1/2		1/2		1/2	
3/4	2,199.68	3/4	1,821.77	3/4	1,443.86	3/4	1,066.00	3/4	688.42	3/4	320.27	3/4	17.15	3/4		3/4		3/4	
7	2,191.81	7	1,813.90	7	1,435.98	7	1,058.14	7	680.55	7	313.09	7	13.19	7		7		7	
1/4	2,183.94	1/4	1,806.02	1/4	1,428.11	1/4	1,050.28	1/4	672.68	1/4	306.03	1/4		1/4		1/4		1/4	
1/2	2,176.06	1/2	1,798.15	1/2	1,420.24	1/2	1,042.41	1/2	664.80	1/2	298.96	1/2		1/2		1/2		1/2	
3/4	2,168.19	3/4	1,790.28	3/4	1,412.36	3/4	1,034.55	3/4	656.93	3/4	291.89	3/4		3/4		3/4		3/4	
8	2,160.32	8	1,782.40	8	1,404.49	8	1,026.69	8	649.06	8	284.83	8		8		8		8	
1/4	2,152.44	1/4	1,774.53	1/4	1,396.62	1/4	1,018.83	1/4	641.18	1/4	277.87	1/4		1/4		1/4		1/4	
1/2	2,144.57	1/2	1,766.66	1/2	1,388.74	1/2	1,010.97	1/2	633.31	1/2	270.91	1/2		1/2		1/2		1/2	
3/4	2,136.70	3/4	1,758.78	3/4	1,380.87	3/4	1,003.11	3/4	625.44	3/4	263.96	3/4		3/4		3/4		3/4	
9	2,128.82	9	1,750.91	9	1,373.00	9	995.25	9	617.57	9	257.00	9		9		9		9	
1/4	2,120.95	1/4	1,743.04	1/4	1,365.12	1/4	987.39	1/4	609.69	1/4	250.15	1/4		1/4		1/4		1/4	
1/2	2,113.08	1/2	1,735.16	1/2	1,357.25	1/2	979.53	1/2	601.82	1/2	243.30	1/2		1/2		1/2		1/2	
3/4	2,105.20	3/4	1,727.29	3/4	1,349.38	3/4	971.66	3/4	593.95	3/4	236.46	3/4		3/4		3/4		3/4	
10	2,097.33	10	1,719.42	10	1,341.50	10	963.80	10	586.07	10	229.61	10		10		10		10	
1/4	2,089.46	1/4	1,711.54	1/4	1,333.63	1/4	955.94	1/4	578.20	1/4	222.87	1/4		1/4		1/4		1/4	
1/2	2,081.59	1/2	1,703.67	1/2	1,325.76	1/2	948.08	1/2	570.33	1/2	216.13	1/2		1/2		1/2		1/2	
3/4	2,073.71	3/4	1,695.80	3/4	1,317.88	3/4	940.22	3/4	562.45	3/4	209.40	3/4		3/4		3/4		3/4	
11	2,065.84	11	1,687.93	11	1,310.01	11	932.36	11	554.58	11	202.66	11		11		11		11	
1/4	2,057.97	1/4	1,680.05	1/4	1,302.14	1/4	924.50	1/4	546.72	1/4	196.03	1/4		1/4		1/4		1/4	
1/2	2,050.09	1/2	1,672.18	1/2	1,294.27	1/2	916.64	1/2	538.86	1/2	189.40	1/2		1/2		1/2		1/2	
3/4	2,042.22	3/4	1,664.31	3/4	1,286.39	3/4	908.78	3/4	530.99	3/4	182.77	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2012 CL - SW
CALCULATED: 03/19/2012 CL
PRINTED: 03/19/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 28183"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,762.16	0	4,443.58	0	4,119.72	0	3,780.72	0	3,427.18	0	3,069.39	0	2,710.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,757.05	1/4	4,437.00	1/4	4,112.81	1/4	3,773.51	1/4	3,419.73	1/4	3,061.91	1/4	2,702.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,750.70	1/2	4,430.39	1/2	4,105.89	1/2	3,766.27	1/2	3,412.27	1/2	3,054.43	1/2	2,695.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,744.36	3/4	4,423.79	3/4	4,098.97	3/4	3,759.02	3/4	3,404.82	3/4	3,046.94	3/4	2,687.77
1		1		1		1	4,738.02	1	4,417.18	1	4,092.04	1	3,751.78	1	3,397.37	1	3,039.46	1	2,680.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,731.67	1/4	4,410.57	1/4	4,085.12	1/4	3,744.54	1/4	3,389.92	1/4	3,031.98	1/4	2,672.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.44	1/2	4,403.94	1/2	4,078.17	1/2	3,737.27	1/2	3,382.47	1/2	3,024.50	1/2	2,665.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.21	3/4	4,397.30	3/4	4,071.22	3/4	3,730.01	3/4	3,375.02	3/4	3,017.01	3/4	2,657.84
2		2		2		2	4,709.98	2	4,390.67	2	4,064.27	2	3,722.74	2	3,367.57	2	3,009.53	2	2,650.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,702.75	1/4	4,384.03	1/4	4,057.33	1/4	3,715.48	1/4	3,360.12	1/4	3,002.05	1/4	2,642.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,695.30	1/2	4,377.37	1/2	4,050.35	1/2	3,708.19	1/2	3,352.67	1/2	2,994.57	1/2	2,635.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,687.85	3/4	4,370.71	3/4	4,043.37	3/4	3,700.90	3/4	3,345.22	3/4	2,987.08	3/4	2,627.91
3		3		3		3	4,680.40	3	4,364.05	3	4,036.40	3	3,693.61	3	3,337.77	3	2,979.60	3	2,620.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,672.95	1/4	4,357.39	1/4	4,029.42	1/4	3,686.31	1/4	3,330.32	1/4	2,972.12	1/4	2,612.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,665.90	1/2	4,350.71	1/2	4,022.42	1/2	3,679.00	1/2	3,322.87	1/2	2,964.63	1/2	2,605.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,658.84	3/4	4,344.02	3/4	4,015.42	3/4	3,671.68	3/4	3,315.42	3/4	2,957.15	3/4	2,597.98
4		4		4		4	4,651.79	4	4,337.33	4	4,008.41	4	3,664.36	4	3,307.97	4	2,949.67	4	2,590.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,644.74	1/4	4,330.64	1/4	4,001.41	1/4	3,657.04	1/4	3,300.52	1/4	2,942.19	1/4	2,583.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,638.34	1/2	4,323.93	1/2	3,994.38	1/2	3,649.70	1/2	3,293.07	1/2	2,934.70	1/2	2,575.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,631.94	3/4	4,317.22	3/4	3,987.35	3/4	3,642.36	3/4	3,285.61	3/4	2,927.22	3/4	2,568.05
5		5		5		5	4,625.54	5	4,310.50	5	3,980.33	5	3,635.01	5	3,278.16	5	2,919.74	5	2,560.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,619.14	1/4	4,303.79	1/4	3,973.30	1/4	3,627.67	1/4	3,270.71	1/4	2,912.26	1/4	2,553.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,612.72	1/2	4,297.05	1/2	3,966.24	1/2	3,620.30	1/2	3,263.26	1/2	2,904.77	1/2	2,545.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,606.29	3/4	4,290.31	3/4	3,959.19	3/4	3,612.93	3/4	3,255.81	3/4	2,897.29	3/4	2,538.12
6		6		6		6	4,599.87	6	4,283.57	6	3,952.13	6	3,605.56	6	3,248.36	6	2,889.81	6	2,530.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,593.44	1/4	4,276.83	1/4	3,945.08	1/4	3,598.18	1/4	3,240.91	1/4	2,882.32	1/4	2,523.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,586.99	1/2	4,270.06	1/2	3,937.99	1/2	3,590.79	1/2	3,233.46	1/2	2,874.84	1/2	2,515.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,580.54	3/4	4,263.29	3/4	3,930.91	3/4	3,583.39	3/4	3,226.01	3/4	2,867.36	3/4	2,508.19
7		7		7		7	4,574.08	7	4,256.53	7	3,923.83	7	3,575.99	7	3,218.56	7	2,859.88	7	2,500.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,567.63	1/4	4,249.76	1/4	3,916.75	1/4	3,568.60	1/4	3,211.11	1/4	2,852.39	1/4	2,493.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,561.15	1/2	4,242.97	1/2	3,909.64	1/2	3,561.17	1/2	3,203.66	1/2	2,844.91	1/2	2,485.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,554.67	3/4	4,236.17	3/4	3,902.53	3/4	3,553.75	3/4	3,196.21	3/4	2,837.43	3/4	2,478.26
8		8		8		8	4,548.20	8	4,229.38	8	3,895.42	8	3,546.33	8	3,188.76	8	2,829.95	8	2,470.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,541.72	1/4	4,222.58	1/4	3,888.31	1/4	3,538.90	1/4	3,181.31	1/4	2,822.46	1/4	2,463.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,535.21	1/2	4,215.76	1/2	3,881.18	1/2	3,531.46	1/2	3,173.86	1/2	2,814.98	1/2	2,455.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,528.70	3/4	4,208.94	3/4	3,874.04	3/4	3,524.02	3/4	3,166.40	3/4	2,807.50	3/4	2,448.33
9		9		9		9	4,522.20	9	4,202.12	9	3,866.91	9	3,516.57	9	3,158.95	9	2,800.02	9	2,440.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,515.69	1/4	4,195.30	1/4	3,859.77	1/4	3,509.13	1/4	3,151.50	1/4	2,792.53	1/4	2,433.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,509.16	1/2	4,188.46	1/2	3,852.61	1/2	3,501.68	1/2	3,144.05	1/2	2,785.05	1/2	2,425.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,502.63	3/4	4,181.61	3/4	3,845.45	3/4	3,494.23	3/4	3,136.60	3/4	2,777.57	3/4	2,418.40
10		10		10		10	4,496.10	10	4,174.76	10	3,838.29	10	3,486.78	10	3,129.15	10	2,770.08	10	2,410.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,489.57	1/4	4,167.91	1/4	3,831.13	1/4	3,479.33	1/4	3,121.70	1/4	2,762.60	1/4	2,403.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,483.01	1/2	4,161.04	1/2	3,823.94	1/2	3,471.88	1/2	3,114.24	1/2	2,755.12	1/2	2,395.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,476.45	3/4	4,154.17	3/4	3,816.75	3/4	3,464.43	3/4	3,106.77	3/4	2,747.64	3/4	2,388.47
11		11		11		11	4,469.89	11	4,147.29	11	3,809.56	11	3,456.98	11	3,099.31	11	2,740.15	11	2,380.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,463.33	1/4	4,140.42	1/4	3,802.37	1/4	3,449.53	1/4	3,091.84	1/4	2,732.67	1/4	2,373.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,456.74	1/2	4,133.52	1/2	3,795.15	1/2	3,442.08	1/2	3,084.36	1/2	2,725.19	1/2	2,366.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,767.27	3/4	4,450.16	3/4	4,126.62	3/4	3,787.94	3/4	3,434.63	3/4	3,076.88	3/4	2,358.54

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

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 28183"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,351.05	0	1,991.88	0	1,632.71	0	1,282.74	0	937.82	0	579.72	0	220.56	0		0		0	
1/4	2,343.57	1/4	1,984.40	1/4	1,625.23	1/4	1,275.54	1/4	930.64	1/4	572.24	1/4	213.08	1/4	1/4	1/4		1/4	
1/2	2,336.09	1/2	1,976.92	1/2	1,617.75	1/2	1,268.34	1/2	923.35	1/2	564.75	1/2	205.60	1/2	1/2	1/2		1/2	
3/4	2,328.61	3/4	1,969.44	3/4	1,610.27	3/4	1,261.14	3/4	916.05	3/4	557.27	3/4	198.12	3/4	3/4	3/4		3/4	
1	2,321.12	1	1,961.95	1	1,602.78	1	1,253.94	1	908.76	1	549.79	1	190.64	1	1	1		1	
1/4	2,313.64	1/4	1,954.47	1/4	1,595.30	1/4	1,246.74	1/4	901.47	1/4	542.31	1/4	183.15	1/4	1/4	1/4		1/4	
1/2	2,306.16	1/2	1,946.99	1/2	1,587.82	1/2	1,239.54	1/2	893.98	1/2	534.82	1/2	175.68	1/2	1/2	1/2		1/2	
3/4	2,298.67	3/4	1,939.50	3/4	1,580.34	3/4	1,232.34	3/4	886.50	3/4	527.34	3/4	168.21	3/4	3/4	3/4		3/4	
2	2,291.19	2	1,932.02	2	1,572.85	2	1,225.14	2	879.02	2	519.86	2	160.73	2	2	2		2	
1/4	2,283.71	1/4	1,924.54	1/4	1,565.37	1/4	1,217.94	1/4	871.54	1/4	512.38	1/4	153.26	1/4	1/4	1/4		1/4	
1/2	2,276.23	1/2	1,917.06	1/2	1,557.89	1/2	1,210.75	1/2	864.05	1/2	504.89	1/2	145.80	1/2	1/2	1/2		1/2	
3/4	2,268.74	3/4	1,909.57	3/4	1,550.40	3/4	1,203.55	3/4	856.57	3/4	497.41	3/4	138.33	3/4	3/4	3/4		3/4	
3	2,261.26	3	1,902.09	3	1,542.92	3	1,196.36	3	849.09	3	489.93	3	130.87	3	3	3		3	
1/4	2,253.78	1/4	1,894.61	1/4	1,535.44	1/4	1,189.16	1/4	841.61	1/4	482.45	1/4	123.41	1/4	1/4	1/4		1/4	
1/2	2,246.30	1/2	1,887.13	1/2	1,528.06	1/2	1,181.98	1/2	834.12	1/2	474.96	1/2	115.96	1/2	1/2	1/2		1/2	
3/4	2,238.81	3/4	1,879.64	3/4	1,520.68	3/4	1,174.79	3/4	826.64	3/4	467.48	3/4	108.52	3/4	3/4	3/4		3/4	
4	2,231.33	4	1,872.16	4	1,513.31	4	1,167.60	4	819.16	4	460.00	4	101.07	4	4	4		4	
1/4	2,223.85	1/4	1,864.68	1/4	1,505.93	1/4	1,160.41	1/4	811.68	1/4	452.52	1/4	93.63	1/4	1/4	1/4		1/4	
1/2	2,216.36	1/2	1,857.20	1/2	1,498.73	1/2	1,153.23	1/2	804.19	1/2	445.03	1/2	86.21	1/2	1/2	1/2		1/2	
3/4	2,208.88	3/4	1,849.71	3/4	1,491.53	3/4	1,146.05	3/4	796.71	3/4	437.55	3/4	78.80	3/4	3/4	3/4		3/4	
5	2,201.40	5	1,842.23	5	1,484.33	5	1,138.86	5	789.23	5	430.07	5	71.39	5	5	5		5	
1/4	2,193.92	1/4	1,834.75	1/4	1,477.13	1/4	1,131.68	1/4	781.75	1/4	422.59	1/4	63.97	1/4	1/4	1/4		1/4	
1/2	2,186.43	1/2	1,827.26	1/2	1,469.93	1/2	1,124.50	1/2	774.26	1/2	415.10	1/2	57.02	1/2	1/2	1/2		1/2	
3/4	2,178.95	3/4	1,819.78	3/4	1,462.73	3/4	1,117.32	3/4	766.78	3/4	407.62	3/4	50.07	3/4	3/4	3/4		3/4	
6	2,171.47	6	1,812.30	6	1,455.53	6	1,110.14	6	759.30	6	400.14	6	43.11	6	6	6		6	
1/4	2,163.99	1/4	1,804.82	1/4	1,448.33	1/4	1,102.96	1/4	751.82	1/4	392.66	1/4	36.16	1/4	1/4	1/4		1/4	
1/2	2,156.50	1/2	1,797.33	1/2	1,441.13	1/2	1,095.78	1/2	744.33	1/2	385.17	1/2	30.86	1/2	1/2	1/2		1/2	
3/4	2,149.02	3/4	1,789.85	3/4	1,433.93	3/4	1,088.60	3/4	736.85	3/4	377.69	3/4	25.56	3/4	3/4	3/4		3/4	
7	2,141.54	7	1,782.37	7	1,426.73	7	1,081.42	7	729.37	7	370.21	7	20.26	7	7	7		7	
1/4	2,134.05	1/4	1,774.89	1/4	1,419.53	1/4	1,074.24	1/4	721.89	1/4	362.73	1/4	14.97	1/4	1/4	1/4		1/4	
1/2	2,126.57	1/2	1,767.40	1/2	1,412.33	1/2	1,067.06	1/2	714.40	1/2	355.24	1/2		1/2	1/2	1/2		1/2	
3/4	2,119.09	3/4	1,759.92	3/4	1,405.14	3/4	1,059.88	3/4	706.92	3/4	347.76	3/4		3/4	3/4	3/4		3/4	
8	2,111.61	8	1,752.44	8	1,397.94	8	1,052.70	8	699.44	8	340.28	8		8	8	8		8	
1/4	2,104.12	1/4	1,744.95	1/4	1,390.74	1/4	1,045.52	1/4	691.96	1/4	332.80	1/4		1/4	1/4	1/4		1/4	
1/2	2,096.64	1/2	1,737.47	1/2	1,383.54	1/2	1,038.34	1/2	684.47	1/2	325.31	1/2		1/2	1/2	1/2		1/2	
3/4	2,089.16	3/4	1,729.99	3/4	1,376.34	3/4	1,031.16	3/4	676.99	3/4	317.83	3/4		3/4	3/4	3/4		3/4	
9	2,081.68	9	1,722.51	9	1,369.14	9	1,023.98	9	669.51	9	310.35	9		9	9	9		9	
1/4	2,074.19	1/4	1,715.02	1/4	1,361.94	1/4	1,016.80	1/4	662.03	1/4	302.87	1/4		1/4	1/4	1/4		1/4	
1/2	2,066.71	1/2	1,707.54	1/2	1,354.74	1/2	1,009.62	1/2	654.54	1/2	295.38	1/2		1/2	1/2	1/2		1/2	
3/4	2,059.23	3/4	1,700.06	3/4	1,347.54	3/4	1,002.44	3/4	647.06	3/4	287.90	3/4		3/4	3/4	3/4		3/4	
10	2,051.75	10	1,692.58	10	1,340.34	10	995.26	10	639.58	10	280.42	10		10	10	10		10	
1/4	2,044.26	1/4	1,685.09	1/4	1,333.14	1/4	988.08	1/4	632.10	1/4	272.94	1/4		1/4	1/4	1/4		1/4	
1/2	2,036.78	1/2	1,677.61	1/2	1,325.94	1/2	980.90	1/2	624.61	1/2	265.45	1/2		1/2	1/2	1/2		1/2	
3/4	2,029.30	3/4	1,670.13	3/4	1,318.74	3/4	973.72	3/4	617.13	3/4	257.97	3/4		3/4	3/4	3/4		3/4	
11	2,021.81	11	1,662.64	11	1,311.54	11	966.54	11	609.65	11	250.49	11		11	11	11		11	
1/4	2,014.33	1/4	1,655.16	1/4	1,304.34	1/4	959.36	1/4	602.17	1/4	243.01	1/4		1/4	1/4	1/4		1/4	
1/2	2,006.85	1/2	1,647.68	1/2	1,297.14	1/2	952.18	1/2	594.68	1/2	235.52	1/2		1/2	1/2	1/2		1/2	
3/4	1,999.37	3/4	1,640.20	3/4	1,289.94	3/4	945.00	3/4	587.20	3/4	228.04	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2012 CL - SW
CALCULATED: 03/19/2012 CL
PRINTED: 03/19/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "KIRBY 28183"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
									4,480.33		4,157.14		3,818.82		3,465.78		3,108.13		2,749.00		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,790.82	1/4	4,473.75	1/4	4,150.24	1/4	3,811.60	1/4	3,458.33	1/4	3,100.65	1/4	2,741.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,785.71	1/2	4,467.17	1/2	4,143.34	1/2	3,804.39	1/2	3,450.88	1/2	3,093.17	1/2	2,734.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,780.60	3/4	4,460.59	3/4	4,136.44	3/4	3,797.17	3/4	3,443.43	3/4	3,085.68	3/4	2,726.55
1	1	1	1	1	1	1	1	1	4,774.25	1	4,453.98	1	4,129.52	1	3,789.93	1	3,435.98	1	3,078.20	1	2,719.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,767.91	1/4	4,447.37	1/4	4,122.59	1/4	3,782.69	1/4	3,428.53	1/4	3,070.72	1/4	2,711.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,761.57	1/2	4,440.77	1/2	4,115.67	1/2	3,775.45	1/2	3,421.08	1/2	3,063.24	1/2	2,704.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,755.22	3/4	4,434.16	3/4	4,108.75	3/4	3,768.21	3/4	3,413.63	3/4	3,055.76	3/4	2,696.63
2	2	2	2	2	2	2	2	2	4,747.99	2	4,427.53	2	4,101.80	2	3,760.94	2	3,406.19	2	3,048.27	2	2,689.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,740.76	1/4	4,420.89	1/4	4,094.85	1/4	3,753.68	1/4	3,398.74	1/4	3,040.79	1/4	2,681.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,733.53	1/2	4,414.26	1/2	4,087.91	1/2	3,746.41	1/2	3,391.29	1/2	3,033.31	1/2	2,674.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,726.31	3/4	4,407.63	3/4	4,080.96	3/4	3,739.15	3/4	3,383.84	3/4	3,025.83	3/4	2,666.70
3	3	3	3	3	3	3	3	3	4,718.86	3	4,400.97	3	4,073.98	3	3,731.86	3	3,376.39	3	3,018.35	3	2,659.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,711.41	1/4	4,394.31	1/4	4,067.01	1/4	3,724.57	1/4	3,368.94	1/4	3,010.87	1/4	2,651.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,703.96	1/2	4,387.65	1/2	4,060.03	1/2	3,717.28	1/2	3,361.49	1/2	3,003.38	1/2	2,644.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,696.51	3/4	4,380.99	3/4	4,053.06	3/4	3,709.99	3/4	3,354.04	3/4	2,995.90	3/4	2,636.77
4	4	4	4	4	4	4	4	4	4,689.45	4	4,374.30	4	4,046.05	4	3,702.67	4	3,346.59	4	2,988.42	4	2,629.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,682.40	1/4	4,367.61	1/4	4,039.05	1/4	3,695.36	1/4	3,339.14	1/4	2,980.94	1/4	2,621.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,675.35	1/2	4,360.93	1/2	4,032.05	1/2	3,688.04	1/2	3,331.69	1/2	2,973.46	1/2	2,614.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,668.30	3/4	4,354.24	3/4	4,025.05	3/4	3,680.72	3/4	3,324.24	3/4	2,965.97	3/4	2,606.84
5	5	5	5	5	5	5	5	5	4,661.90	5	4,347.53	5	4,018.02	5	3,673.38	5	3,316.79	5	2,958.49	5	2,599.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,655.50	1/4	4,340.82	1/4	4,011.00	1/4	3,666.04	1/4	3,309.34	1/4	2,951.01	1/4	2,591.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,649.10	1/2	4,334.10	1/2	4,003.97	1/2	3,658.69	1/2	3,301.89	1/2	2,943.53	1/2	2,584.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,642.71	3/4	4,327.39	3/4	3,996.94	3/4	3,651.35	3/4	3,294.44	3/4	2,936.05	3/4	2,576.92
6	6	6	6	6	6	6	6	6	4,636.28	6	4,320.65	6	3,989.88	6	3,643.98	6	3,286.99	6	2,928.56	6	2,569.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,629.86	1/4	4,313.91	1/4	3,982.83	1/4	3,636.61	1/4	3,279.54	1/4	2,921.08	1/4	2,561.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,623.43	1/2	4,307.17	1/2	3,975.78	1/2	3,629.24	1/2	3,272.09	1/2	2,913.60	1/2	2,554.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,617.01	3/4	4,300.43	3/4	3,968.72	3/4	3,621.87	3/4	3,264.64	3/4	2,906.12	3/4	2,546.99
7	7	7	7	7	7	7	7	7	4,610.56	7	4,293.67	7	3,961.64	7	3,614.48	7	3,257.19	7	2,898.64	7	2,539.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,604.10	1/4	4,286.90	1/4	3,954.56	1/4	3,607.08	1/4	3,249.74	1/4	2,891.15	1/4	2,532.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,597.65	1/2	4,280.13	1/2	3,947.48	1/2	3,599.68	1/2	3,242.29	1/2	2,883.67	1/2	2,524.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,591.20	3/4	4,273.37	3/4	3,940.40	3/4	3,592.29	3/4	3,234.84	3/4	2,876.19	3/4	2,517.06
8	8	8	8	8	8	8	8	8	4,584.72	8	4,266.58	8	3,933.29	8	3,584.87	8	3,227.39	8	2,868.71	8	2,509.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,578.25	1/4	4,259.78	1/4	3,926.18	1/4	3,577.44	1/4	3,219.94	1/4	2,861.23	1/4	2,502.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,571.77	1/2	4,252.99	1/2	3,919.07	1/2	3,570.02	1/2	3,212.49	1/2	2,853.75	1/2	2,494.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,565.29	3/4	4,246.20	3/4	3,911.97	3/4	3,562.60	3/4	3,205.04	3/4	2,846.26	3/4	2,487.13
9	9	9	9	9	9	9	9	9	4,558.78	9	4,239.38	9	3,904.83	9	3,555.15	9	3,197.59	9	2,838.78	9	2,479.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,552.28	1/4	4,232.56	1/4	3,897.70	1/4	3,547.71	1/4	3,190.14	1/4	2,831.30	1/4	2,472.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,545.77	1/2	4,225.74	1/2	3,890.56	1/2	3,540.27	1/2	3,182.69	1/2	2,823.82	1/2	2,464.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,539.27	3/4	4,218.92	3/4	3,883.43	3/4	3,532.83	3/4	3,175.24	3/4	2,816.34	3/4	2,457.20
10	10	10	10	10	10	10	10	10	4,532.74	10	4,212.07	10	3,876.27	10	3,525.38	10	3,167.79	10	2,808.85	10	2,449.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,526.21	1/4	4,205.23	1/4	3,869.11	1/4	3,517.93	1/4	3,160.35	1/4	2,801.37	1/4	2,442.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,519.68	1/2	4,198.38	1/2	3,861.94	1/2	3,510.48	1/2	3,152.90	1/2	2,793.89	1/2	2,434.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,513.14	3/4	4,191.53	3/4	3,854.78	3/4	3,503.03	3/4	3,145.45	3/4	2,786.41	3/4	2,427.28
11	11	11	11	11	11	11	11	11	4,506.59	11	4,184.66	11	3,847.60	11	3,495.58	11	3,137.99	11	2,778.93	11	2,419.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,500.03	1/4	4,177.79	1/4	3,840.41	1/4	3,488.13	1/4	3,130.53	1/4	2,771.44	1/4	2,412.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,493.47	1/2	4,170.91	1/2	3,833.22	1/2	3,480.68	1/2	3,123.07	1/2	2,763.96	1/2	2,404.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,486.91	3/4	4,164.04	3/4	3,826.03	3/4	3,473.23	3/4	3,115.61	3/4	2,756.48	3/4	2,397.35

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-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 28183"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,389.87	0	2,030.74	0	1,671.61	0	1,312.47	0	953.62	0	594.61	0	235.49	0		0		0	
1/4	2,382.39	1/4	2,023.25	1/4	1,664.12	1/4	1,304.99	1/4	946.15	1/4	587.13	1/4	228.01	1/4		1/4		1/4	
1/2	2,374.90	1/2	2,015.77	1/2	1,656.64	1/2	1,297.51	1/2	938.68	1/2	579.65	1/2	220.53	1/2		1/2		1/2	
3/4	2,367.42	3/4	2,008.29	3/4	1,649.16	3/4	1,290.03	3/4	931.21	3/4	572.17	3/4	213.05	3/4		3/4		3/4	
1	2,359.94	1	2,000.81	1	1,641.68	1	1,282.55	1	923.74	1	564.69	1	205.57	1		1		1	
1/4	2,352.46	1/4	1,993.33	1/4	1,634.20	1/4	1,275.06	1/4	916.27	1/4	557.20	1/4	198.09	1/4		1/4		1/4	
1/2	2,344.98	1/2	1,985.85	1/2	1,626.71	1/2	1,267.58	1/2	908.80	1/2	549.72	1/2	190.61	1/2		1/2		1/2	
3/4	2,337.49	3/4	1,978.36	3/4	1,619.23	3/4	1,260.10	3/4	901.33	3/4	542.24	3/4	183.13	3/4		3/4		3/4	
2	2,330.01	2	1,970.88	2	1,611.75	2	1,252.62	2	893.85	2	534.76	2	175.66	2		2		2	
1/4	2,322.53	1/4	1,963.40	1/4	1,604.27	1/4	1,245.14	1/4	886.38	1/4	527.28	1/4	168.19	1/4		1/4		1/4	
1/2	2,315.05	1/2	1,955.92	1/2	1,596.79	1/2	1,237.66	1/2	878.91	1/2	519.80	1/2	160.71	1/2		1/2		1/2	
3/4	2,307.57	3/4	1,948.44	3/4	1,589.30	3/4	1,230.17	3/4	871.43	3/4	512.31	3/4	153.24	3/4		3/4		3/4	
3	2,300.08	3	1,940.95	3	1,581.82	3	1,222.69	3	863.95	3	504.83	3	145.78	3		3		3	
1/4	2,292.60	1/4	1,933.47	1/4	1,574.34	1/4	1,215.21	1/4	856.47	1/4	497.35	1/4	138.32	1/4		1/4		1/4	
1/2	2,285.12	1/2	1,925.99	1/2	1,566.86	1/2	1,207.73	1/2	848.99	1/2	489.87	1/2	130.85	1/2		1/2		1/2	
3/4	2,277.64	3/4	1,918.51	3/4	1,559.38	3/4	1,200.25	3/4	841.50	3/4	482.39	3/4	123.39	3/4		3/4		3/4	
4	2,270.16	4	1,911.03	4	1,551.89	4	1,192.76	4	834.02	4	474.91	4	115.95	4		4		4	
1/4	2,262.68	1/4	1,903.54	1/4	1,544.41	1/4	1,185.28	1/4	826.54	1/4	467.42	1/4	108.50	1/4		1/4		1/4	
1/2	2,255.19	1/2	1,896.06	1/2	1,536.93	1/2	1,177.80	1/2	819.06	1/2	459.94	1/2	101.06	1/2		1/2		1/2	
3/4	2,247.71	3/4	1,888.58	3/4	1,529.45	3/4	1,170.32	3/4	811.58	3/4	452.46	3/4	93.62	3/4		3/4		3/4	
5	2,240.23	5	1,881.10	5	1,521.97	5	1,162.84	5	804.10	5	444.98	5	86.20	5		5		5	
1/4	2,232.75	1/4	1,873.62	1/4	1,514.49	1/4	1,155.35	1/4	796.61	1/4	437.50	1/4	78.79	1/4		1/4		1/4	
1/2	2,225.27	1/2	1,866.13	1/2	1,507.00	1/2	1,147.87	1/2	789.13	1/2	430.02	1/2	71.38	1/2		1/2		1/2	
3/4	2,217.78	3/4	1,858.65	3/4	1,499.52	3/4	1,140.39	3/4	781.65	3/4	422.53	3/4	63.97	3/4		3/4		3/4	
6	2,210.30	6	1,851.17	6	1,492.04	6	1,132.91	6	774.17	6	415.05	6	57.01	6		6		6	
1/4	2,202.82	1/4	1,843.69	1/4	1,484.56	1/4	1,125.44	1/4	766.69	1/4	407.57	1/4	50.06	1/4		1/4		1/4	
1/2	2,195.34	1/2	1,836.21	1/2	1,477.08	1/2	1,117.96	1/2	759.21	1/2	400.09	1/2	43.11	1/2		1/2		1/2	
3/4	2,187.86	3/4	1,828.73	3/4	1,469.59	3/4	1,110.48	3/4	751.73	3/4	392.61	3/4	36.15	3/4		3/4		3/4	
7	2,180.37	7	1,821.24	7	1,462.11	7	1,103.01	7	744.24	7	385.13	7	30.86	7		7		7	
1/4	2,172.89	1/4	1,813.76	1/4	1,454.63	1/4	1,095.54	1/4	736.76	1/4	377.65	1/4	25.56	1/4		1/4		1/4	
1/2	2,165.41	1/2	1,806.28	1/2	1,447.15	1/2	1,088.07	1/2	729.28	1/2	370.16	1/2	20.26	1/2		1/2		1/2	
3/4	2,157.93	3/4	1,798.80	3/4	1,439.67	3/4	1,080.60	3/4	721.80	3/4	362.68	3/4	14.97	3/4		3/4		3/4	
8	2,150.45	8	1,791.32	8	1,432.18	8	1,073.13	8	714.32	8	355.20	8		8		8		8	
1/4	2,142.96	1/4	1,783.83	1/4	1,424.70	1/4	1,065.66	1/4	706.84	1/4	347.72	1/4		1/4		1/4		1/4	
1/2	2,135.48	1/2	1,776.35	1/2	1,417.22	1/2	1,058.19	1/2	699.35	1/2	340.24	1/2		1/2		1/2		1/2	
3/4	2,128.00	3/4	1,768.87	3/4	1,409.74	3/4	1,050.72	3/4	691.87	3/4	332.76	3/4		3/4		3/4		3/4	
9	2,120.52	9	1,761.39	9	1,402.26	9	1,043.25	9	684.39	9	325.27	9		9		9		9	
1/4	2,113.04	1/4	1,753.91	1/4	1,394.77	1/4	1,035.78	1/4	676.91	1/4	317.79	1/4		1/4		1/4		1/4	
1/2	2,105.56	1/2	1,746.42	1/2	1,387.29	1/2	1,028.31	1/2	669.43	1/2	310.31	1/2		1/2		1/2		1/2	
3/4	2,098.07	3/4	1,738.94	3/4	1,379.81	3/4	1,020.84	3/4	661.95	3/4	302.83	3/4		3/4		3/4		3/4	
10	2,090.59	10	1,731.46	10	1,372.33	10	1,013.38	10	654.46	10	295.35	10		10		10		10	
1/4	2,083.11	1/4	1,723.98	1/4	1,364.85	1/4	1,005.91	1/4	646.98	1/4	287.87	1/4		1/4		1/4		1/4	
1/2	2,075.63	1/2	1,716.50	1/2	1,357.37	1/2	998.44	1/2	639.50	1/2	280.38	1/2		1/2		1/2		1/2	
3/4	2,068.15	3/4	1,709.01	3/4	1,349.88	3/4	990.97	3/4	632.02	3/4	272.90	3/4		3/4		3/4		3/4	
11	2,060.66	11	1,701.53	11	1,342.40	11	983.50	11	624.54	11	265.42	11		11		11		11	
1/4	2,053.18	1/4	1,694.05	1/4	1,334.92	1/4	976.03	1/4	617.06	1/4	257.94	1/4		1/4		1/4		1/4	
1/2	2,045.70	1/2	1,686.57	1/2	1,327.44	1/2	968.56	1/2	609.57	1/2	250.46	1/2		1/2		1/2		1/2	
3/4	2,038.22	3/4	1,679.09	3/4	1,319.96	3/4	961.09	3/4	602.09	3/4	242.98	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2012 CL - SW
CALCULATED: 03/19/2012 CL
PRINTED: 03/19/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28183"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,350.48		4,108.72		3,861.68		3,602.66		3,332.04		2,976.04		2,619.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,346.32	1/4	4,103.69	1/4	3,856.40	1/4	3,597.13	1/4	3,324.60	1/4	2,968.61	1/4	2,611.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,342.17	1/2	4,098.66	1/2	3,851.12	1/2	3,591.59	1/2	3,317.17	1/2	2,961.18	1/2	2,604.56		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,338.02	3/4	4,093.63	3/4	3,845.84	3/4	3,586.06	3/4	3,309.74	3/4	2,953.75	3/4	2,597.13		
1	1	1	1	1	1	1	4,333.86	1	4,088.60	1	3,840.56	1	3,580.52	1	3,302.31	1	2,946.32	1	2,589.70		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,328.50	1/4	4,083.55	1/4	3,835.26	1/4	3,574.97	1/4	3,294.87	1/4	2,938.89	1/4	2,582.27		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,323.14	1/2	4,078.50	1/2	3,829.96	1/2	3,569.42	1/2	3,287.44	1/2	2,931.46	1/2	2,574.84		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,317.78	3/4	4,073.45	3/4	3,824.65	3/4	3,563.86	3/4	3,280.01	3/4	2,924.03	3/4	2,567.41		
2	2	2	2	2	2	2	4,312.43	2	4,068.39	2	3,819.35	2	3,558.31	2	3,272.58	2	2,916.60	2	2,559.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,306.72	1/4	4,063.32	1/4	3,814.03	1/4	3,552.74	1/4	3,265.14	1/4	2,909.17	1/4	2,552.55		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,301.01	1/2	4,058.25	1/2	3,808.71	1/2	3,547.17	1/2	3,257.71	1/2	2,901.74	1/2	2,545.12		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,295.30	3/4	4,053.18	3/4	3,803.38	3/4	3,541.60	3/4	3,250.28	3/4	2,894.31	3/4	2,537.69		
3	3	3	3	3	3	3	4,289.60	3	4,048.11	3	3,798.06	3	3,536.03	3	3,242.85	3	2,886.88	3	2,530.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,283.89	1/4	4,043.01	1/4	3,792.72	1/4	3,530.43	1/4	3,235.41	1/4	2,879.45	1/4	2,522.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,278.18	1/2	4,037.92	1/2	3,787.37	1/2	3,524.84	1/2	3,227.98	1/2	2,872.02	1/2	2,515.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,272.48	3/4	4,032.82	3/4	3,782.03	3/4	3,519.24	3/4	3,220.55	3/4	2,864.60	3/4	2,507.97		
4	4	4	4	4	4	4	4,266.77	4	4,027.73	4	3,776.69	4	3,513.65	4	3,213.11	4	2,857.17	4	2,500.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,261.90	1/4	4,022.62	1/4	3,771.32	1/4	3,508.03	1/4	3,205.71	1/4	2,849.74	1/4	2,493.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,257.04	1/2	4,017.50	1/2	3,765.96	1/2	3,502.42	1/2	3,198.30	1/2	2,842.31	1/2	2,485.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,252.17	3/4	4,012.39	3/4	3,760.59	3/4	3,496.81	3/4	3,190.90	3/4	2,834.88	3/4	2,478.26		
5	5	5	5	5	5	5	4,247.30	5	4,007.27	5	3,755.22	5	3,491.19	5	3,183.49	5	2,827.45	5	2,470.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,242.42	1/4	4,002.14	1/4	3,749.84	1/4	3,485.56	1/4	3,176.09	1/4	2,820.02	1/4	2,463.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,237.53	1/2	3,997.00	1/2	3,744.46	1/2	3,479.92	1/2	3,168.68	1/2	2,812.59	1/2	2,455.97		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,232.65	3/4	3,991.86	3/4	3,739.07	3/4	3,474.28	3/4	3,161.28	3/4	2,805.16	3/4	2,448.54		
6	6	6	6	6	6	6	4,227.77	6	3,986.73	6	3,733.69	6	3,468.65	6	3,153.87	6	2,797.73	6	2,441.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,222.86	1/4	3,981.57	1/4	3,728.28	1/4	3,462.99	1/4	3,146.46	1/4	2,790.30	1/4	2,433.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,217.95	1/2	3,976.42	1/2	3,722.87	1/2	3,457.34	1/2	3,139.06	1/2	2,782.87	1/2	2,426.25		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,213.04	3/4	3,971.26	3/4	3,717.46	3/4	3,451.68	3/4	3,131.65	3/4	2,775.44	3/4	2,418.82		
7	7	7	7	7	7	7	4,208.13	7	3,966.10	7	3,712.06	7	3,446.03	7	3,124.25	7	2,768.01	7	2,411.39		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,203.20	1/4	3,960.92	1/4	3,706.63	1/4	3,440.35	1/4	3,116.84	1/4	2,760.58	1/4	2,403.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,198.28	1/2	3,955.74	1/2	3,701.20	1/2	3,434.67	1/2	3,109.44	1/2	2,753.15	1/2	2,396.53		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,193.35	3/4	3,950.56	3/4	3,695.78	3/4	3,428.99	3/4	3,102.03	3/4	2,745.72	3/4	2,389.10		
8	8	8	8	8	8	8	4,188.42	8	3,945.39	8	3,690.35	8	3,423.31	8	3,094.62	8	2,738.29	8	2,381.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,183.47	1/4	3,940.19	1/4	3,684.90	1/4	3,417.61	1/4	3,087.22	1/4	2,730.86	1/4	2,374.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,178.52	1/2	3,934.99	1/2	3,679.45	1/2	3,411.92	1/2	3,079.81	1/2	2,723.43	1/2	2,366.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,173.57	3/4	3,929.79	3/4	3,674.00	3/4	3,406.22	3/4	3,072.41	3/4	2,716.00	3/4	2,359.38		
9	9	9	9	9	9	9	4,168.62	9	3,924.59	9	3,668.55	9	3,400.52	9	3,065.00	9	2,708.57	9	2,351.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,163.65	1/4	3,919.37	1/4	3,663.08	1/4	3,394.81	1/4	3,057.60	1/4	2,701.14	1/4	2,344.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,158.68	1/2	3,914.15	1/2	3,657.61	1/2	3,389.11	1/2	3,050.19	1/2	2,693.71	1/2	2,337.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,153.71	3/4	3,908.93	3/4	3,652.15	3/4	3,383.40	3/4	3,042.79	3/4	2,686.28	3/4	2,329.66		
10	10	10	10	10	10	10	4,148.74	10	3,903.70	10	3,646.68	10	3,377.69	10	3,035.38	10	2,678.86	10	2,322.23		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,143.75	1/4	3,898.46	1/4	3,641.18	1/4	3,371.99	1/4	3,027.97	1/4	2,671.43	1/4	2,314.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,138.75	1/2	3,893.22	1/2	3,635.69	1/2	3,366.28	1/2	3,020.57	1/2	2,664.00	1/2	2,307.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,133.76	3/4	3,887.98	3/4	3,630.20	3/4	3,360.57	3/4	3,013.16	3/4	2,656.57	3/4	2,299.94		
11	11	11	4,369.02	11	4,128.77	11	3,882.75	11	3,624.71	11	3,354.87	11	3,005.76	11	2,649.14	11	2,292.51				
1/4	1/4	1/4	4,364.39	1/4	4,123.75	1/4	3,877.48	1/4	3,619.19	1/4	3,349.16	1/4	3,000.33	1/4	2,641.71	1/4	2,285.08				
1/2	1/2	1/2	4,359.75	1/2	4,118.74	1/2	3,872.21	1/2	3,613.68	1/2	3,343.45	1/2	2,990.90	1/2	2,634.28	1/2	2,277.65				
3/4	3/4	3/4	4,355.11	3/4	4,113.73	3/4	3,866.95	3/4	3,608.17	3/4	3,337.74	3/4	2,983.47	3/4	2,626.85	3/4	2,270.22				

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28183"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,262.79		1,905.69		1,549.63		1,193.38		848.46		491.25		133.86								
1/4	2,255.36	1/4	1,898.27	1/4	1,542.19	1/4	1,186.21	1/4	841.04	1/4	483.80	1/4	126.42	1/4		1/4		1/4		1/4	
1/2	2,247.93	1/2	1,890.85	1/2	1,534.74	1/2	1,179.03	1/2	833.61	1/2	476.36	1/2	118.97	1/2		1/2		1/2		1/2	
3/4	2,240.50	3/4	1,883.44	3/4	1,527.30	3/4	1,171.85	3/4	826.19	3/4	468.91	3/4	111.53	3/4		3/4		3/4		3/4	
1	2,233.07	1	1,876.02	1	1,519.85	1	1,164.68	1	818.77	1	461.47	1	104.08	1		1		1		1	
1/4	2,225.64	1/4	1,868.60	1/4	1,512.41	1/4	1,157.50	1/4	811.34	1/4	454.02	1/4	96.95	1/4		1/4		1/4		1/4	
1/2	2,218.21	1/2	1,861.18	1/2	1,504.97	1/2	1,150.33	1/2	803.92	1/2	446.58	1/2	89.82	1/2		1/2		1/2		1/2	
3/4	2,210.78	3/4	1,853.76	3/4	1,497.52	3/4	1,143.15	3/4	796.49	3/4	439.13	3/4	82.69	3/4		3/4		3/4		3/4	
2	2,203.35	2	1,846.35	2	1,490.08	2	1,135.97	2	789.07	2	431.68	2	75.56	2		2		2		2	
1/4	2,195.92	1/4	1,838.93	1/4	1,482.63	1/4	1,128.80	1/4	781.62	1/4	424.24	1/4	69.38	1/4		1/4		1/4		1/4	
1/2	2,188.49	1/2	1,831.51	1/2	1,475.19	1/2	1,121.62	1/2	774.18	1/2	416.79	1/2	63.19	1/2		1/2		1/2		1/2	
3/4	2,181.06	3/4	1,824.09	3/4	1,467.74	3/4	1,114.45	3/4	766.73	3/4	409.35	3/4	57.00	3/4		3/4		3/4		3/4	
3	2,173.63	3	1,816.68	3	1,460.30	3	1,107.27	3	759.29	3	401.90	3	50.81	3		3		3		3	
1/4	2,166.20	1/4	1,809.26	1/4	1,452.86	1/4	1,100.09	1/4	751.84	1/4	394.46	1/4	45.88	1/4		1/4		1/4		1/4	
1/2	2,158.77	1/2	1,801.84	1/2	1,445.41	1/2	1,092.92	1/2	744.40	1/2	387.01	1/2	40.94	1/2		1/2		1/2		1/2	
3/4	2,151.34	3/4	1,794.42	3/4	1,437.97	3/4	1,085.74	3/4	736.95	3/4	379.57	3/4	36.01	3/4		3/4		3/4		3/4	
4	2,143.91	4	1,787.00	4	1,430.52	4	1,078.57	4	729.50	4	372.12	4	31.08	4		4		4		4	
1/4	2,136.46	1/4	1,779.59	1/4	1,423.08	1/4	1,071.40	1/4	722.06	1/4	364.67	1/4	27.41	1/4		1/4		1/4		1/4	
1/2	2,129.02	1/2	1,772.17	1/2	1,415.64	1/2	1,064.24	1/2	714.61	1/2	357.23	1/2	23.74	1/2		1/2		1/2		1/2	
3/4	2,121.57	3/4	1,764.75	3/4	1,408.19	3/4	1,057.08	3/4	707.17	3/4	349.78	3/4	20.08	3/4		3/4		3/4		3/4	
5	2,114.13	5	1,757.33	5	1,400.75	5	1,049.92	5	699.72	5	342.34	5	16.41	5		5		5		5	
1/4	2,106.69	1/4	1,749.91	1/4	1,393.30	1/4	1,042.76	1/4	692.28	1/4	334.89	1/4		1/4		1/4		1/4		1/4	
1/2	2,099.24	1/2	1,742.50	1/2	1,385.86	1/2	1,035.59	1/2	684.83	1/2	327.45	1/2		1/2		1/2		1/2		1/2	
3/4	2,091.80	3/4	1,735.08	3/4	1,378.41	3/4	1,028.43	3/4	677.39	3/4	320.00	3/4		3/4		3/4		3/4		3/4	
6	2,084.35	6	1,727.66	6	1,370.97	6	1,021.27	6	669.94	6	312.56	6		6		6		6		6	
1/4	2,076.91	1/4	1,720.24	1/4	1,363.53	1/4	1,014.11	1/4	662.49	1/4	305.11	1/4		1/4		1/4		1/4		1/4	
1/2	2,069.46	1/2	1,712.82	1/2	1,356.08	1/2	1,006.95	1/2	655.05	1/2	297.67	1/2		1/2		1/2		1/2		1/2	
3/4	2,062.02	3/4	1,705.41	3/4	1,348.64	3/4	999.79	3/4	647.60	3/4	290.22	3/4		3/4		3/4		3/4		3/4	
7	2,054.58	7	1,697.99	7	1,341.19	7	992.64	7	640.16	7	282.77	7		7		7		7		7	
1/4	2,047.13	1/4	1,690.57	1/4	1,333.75	1/4	985.48	1/4	632.71	1/4	275.33	1/4		1/4		1/4		1/4		1/4	
1/2	2,039.69	1/2	1,683.15	1/2	1,326.31	1/2	978.33	1/2	625.27	1/2	267.88	1/2		1/2		1/2		1/2		1/2	
3/4	2,032.24	3/4	1,675.74	3/4	1,318.86	3/4	971.17	3/4	617.82	3/4	260.44	3/4		3/4		3/4		3/4		3/4	
8	2,024.80	8	1,668.32	8	1,311.42	8	964.02	8	610.38	8	252.99	8		8		8		8		8	
1/4	2,017.35	1/4	1,660.90	1/4	1,303.97	1/4	956.86	1/4	602.93	1/4	245.55	1/4		1/4		1/4		1/4		1/4	
1/2	2,009.91	1/2	1,653.48	1/2	1,296.53	1/2	949.71	1/2	595.49	1/2	238.10	1/2		1/2		1/2		1/2		1/2	
3/4	2,002.47	3/4	1,646.06	3/4	1,289.08	3/4	942.55	3/4	588.04	3/4	230.66	3/4		3/4		3/4		3/4		3/4	
9	1,995.02	9	1,638.65	9	1,281.64	9	935.40	9	580.59	9	223.21	9		9		9		9		9	
1/4	1,987.58	1/4	1,631.23	1/4	1,274.20	1/4	928.24	1/4	573.15	1/4	215.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,980.13	1/2	1,623.81	1/2	1,266.75	1/2	921.09	1/2	565.70	1/2	208.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,972.69	3/4	1,616.39	3/4	1,259.31	3/4	913.93	3/4	558.26	3/4	200.87	3/4		3/4		3/4		3/4		3/4	
10	1,965.24	10	1,608.97	10	1,251.86	10	906.78	10	550.81	10	193.43	10		10		10		10		10	
1/4	1,957.80	1/4	1,601.56	1/4	1,244.42	1/4	899.62	1/4	543.37	1/4	185.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,950.36	1/2	1,594.14	1/2	1,236.97	1/2	892.47	1/2	535.92	1/2	178.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,942.91	3/4	1,586.72	3/4	1,229.53	3/4	885.31	3/4	528.48	3/4	171.09	3/4		3/4		3/4		3/4		3/4	
11	1,935.47	11	1,579.30	11	1,222.09	11	878.16	11	521.03	11	163.65	11		11		11		11		11	
1/4	1,928.02	1/4	1,571.88	1/4	1,214.64	1/4	870.74	1/4	513.58	1/4	156.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,920.58	1/2	1,564.47	1/2	1,207.23	1/2	863.31	1/2	506.14	1/2	148.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,913.13	3/4	1,557.05	3/4	1,200.56	3/4	855.89	3/4	498.69	3/4	141.31	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2012 CL - SW
CALCULATED: 03/19/2012 CL
PRINTED: 03/19/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28183"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,383.58		4,141.01		3,893.03		3,633.05		3,361.38		3,005.11		2,647.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,378.92	1/4	4,135.97	1/4	3,887.74	1/4	3,627.52	1/4	3,355.65	1/4	2,997.66	1/4	2,639.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,374.74	1/2	4,130.92	1/2	3,882.44	1/2	3,621.96	1/2	3,348.19	1/2	2,990.20	1/2	2,632.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,370.56	3/4	4,125.87	3/4	3,877.13	3/4	3,616.40	3/4	3,340.73	3/4	2,982.74	3/4	2,624.75		
1	1	1	1	1	1	1	4,366.38	1	4,120.81	1	3,871.82	1	3,610.84	1	3,333.27	1	2,975.28	1	2,617.29		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,362.20	1/4	4,115.76	1/4	3,866.52	1/4	3,605.27	1/4	3,325.82	1/4	2,967.82	1/4	2,609.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,356.82	1/2	4,110.68	1/2	3,861.19	1/2	3,599.70	1/2	3,318.36	1/2	2,960.36	1/2	2,602.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,351.44	3/4	4,105.60	3/4	3,855.87	3/4	3,594.12	3/4	3,310.90	3/4	2,952.91	3/4	2,594.91		
2	2	2	2	2	2	2	4,346.05	2	4,100.52	2	3,850.54	2	3,588.54	2	3,303.44	2	2,945.45	2	2,587.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,340.67	1/4	4,095.45	1/4	3,845.22	1/4	3,582.96	1/4	3,295.98	1/4	2,937.99	1/4	2,580.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,334.94	1/2	4,090.35	1/2	3,839.87	1/2	3,577.37	1/2	3,288.53	1/2	2,930.53	1/2	2,572.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,329.21	3/4	4,085.25	3/4	3,834.52	3/4	3,571.77	3/4	3,281.07	3/4	2,923.07	3/4	2,565.08		
3	3	3	3	3	3	3	4,323.47	3	4,080.16	3	3,829.17	3	3,566.17	3	3,273.61	3	2,915.62	3	2,557.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,317.74	1/4	4,075.06	1/4	3,823.82	1/4	3,560.58	1/4	3,266.15	1/4	2,908.16	1/4	2,550.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,312.01	1/2	4,069.94	1/2	3,818.45	1/2	3,554.96	1/2	3,258.69	1/2	2,900.70	1/2	2,542.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,306.28	3/4	4,064.82	3/4	3,813.09	3/4	3,549.34	3/4	3,251.23	3/4	2,893.24	3/4	2,535.25		
4	4	4	4	4	4	4	4,300.54	4	4,059.70	4	3,807.72	4	3,543.72	4	3,243.78	4	2,885.78	4	2,527.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,294.81	1/4	4,054.58	1/4	3,802.35	1/4	3,538.10	1/4	3,236.32	1/4	2,878.32	1/4	2,520.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,289.92	1/2	4,049.44	1/2	3,796.96	1/2	3,532.46	1/2	3,228.86	1/2	2,870.87	1/2	2,512.87		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,285.03	3/4	4,044.31	3/4	3,791.57	3/4	3,526.82	3/4	3,221.40	3/4	2,863.41	3/4	2,505.41		
5	5	5	5	5	5	5	4,280.14	5	4,039.17	5	3,786.18	5	3,521.18	5	3,213.94	5	2,855.95	5	2,497.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,275.25	1/4	4,034.03	1/4	3,780.79	1/4	3,515.54	1/4	3,206.49	1/4	2,848.49	1/4	2,490.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,270.34	1/2	4,028.87	1/2	3,775.38	1/2	3,509.88	1/2	3,199.03	1/2	2,841.03	1/2	2,483.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,265.43	3/4	4,023.71	3/4	3,769.97	3/4	3,504.22	3/4	3,191.57	3/4	2,833.58	3/4	2,475.58		
6	6	6	6	6	6	6	4,260.52	6	4,018.54	6	3,764.56	6	3,498.56	6	3,184.11	6	2,826.12	6	2,468.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,255.61	1/4	4,013.38	1/4	3,759.15	1/4	3,492.90	1/4	3,176.65	1/4	2,818.66	1/4	2,460.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,250.68	1/2	4,008.20	1/2	3,753.72	1/2	3,487.21	1/2	3,169.19	1/2	2,811.20	1/2	2,453.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,245.74	3/4	4,003.02	3/4	3,748.28	3/4	3,481.53	3/4	3,161.74	3/4	2,803.74	3/4	2,445.75		
7	7	7	7	7	7	7	4,240.81	7	3,997.84	7	3,742.85	7	3,475.85	7	3,154.28	7	2,796.28	7	2,438.29		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,235.88	1/4	3,992.66	1/4	3,737.42	1/4	3,470.17	1/4	3,146.82	1/4	2,788.83	1/4	2,430.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,230.93	1/2	3,987.46	1/2	3,731.97	1/2	3,464.47	1/2	3,139.36	1/2	2,781.37	1/2	2,423.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,225.97	3/4	3,982.25	3/4	3,726.52	3/4	3,458.76	3/4	3,131.90	3/4	2,773.91	3/4	2,415.92		
8	8	8	8	8	8	8	4,221.02	8	3,977.05	8	3,721.06	8	3,453.06	8	3,124.45	8	2,766.45	8	2,408.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,216.07	1/4	3,971.84	1/4	3,715.61	1/4	3,447.36	1/4	3,116.99	1/4	2,758.99	1/4	2,401.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,211.10	1/2	3,966.62	1/2	3,710.14	1/2	3,441.63	1/2	3,109.53	1/2	2,751.54	1/2	2,393.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,206.12	3/4	3,961.40	3/4	3,704.66	3/4	3,435.91	3/4	3,102.07	3/4	2,744.08	3/4	2,386.08		
9	9	9	9	9	9	9	4,201.14	9	3,956.18	9	3,699.19	9	3,430.19	9	3,094.61	9	2,736.62	9	2,378.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,196.17	1/4	3,950.95	1/4	3,693.71	1/4	3,424.46	1/4	3,087.15	1/4	2,729.16	1/4	2,371.17		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,191.17	1/2	3,945.71	1/2	3,688.22	1/2	3,418.73	1/2	3,079.70	1/2	2,721.70	1/2	2,363.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,186.18	3/4	3,940.46	3/4	3,682.72	3/4	3,413.00	3/4	3,072.24	3/4	2,714.24	3/4	2,356.25		
10	10	10	10	10	10	10	4,181.19	10	3,935.21	10	3,677.23	10	3,407.26	10	3,064.78	10	2,706.79	10	2,348.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,176.19	1/4	3,929.96	1/4	3,671.74	1/4	3,401.53	1/4	3,057.32	1/4	2,699.33	1/4	2,341.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,171.17	1/2	3,924.70	1/2	3,666.22	1/2	3,395.79	1/2	3,049.86	1/2	2,691.87	1/2	2,333.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,166.15	3/4	3,919.43	3/4	3,660.70	3/4	3,390.06	3/4	3,042.41	3/4	2,684.41	3/4	2,326.42		
11	11	11	11	11	11	11	4,161.13	11	3,914.17	11	3,655.18	11	3,384.32	11	3,034.95	11	2,676.95	11	2,318.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,397.56	1/4	4,156.12	1/4	3,908.90	1/4	3,649.66	1/4	3,378.59	1/4	3,027.49	1/4	2,669.50	1/4	2,311.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,392.90	1/2	4,151.08	1/2	3,903.61	1/2	3,644.13	1/2	3,372.85	1/2	3,020.03	1/2	2,662.04	1/2	2,304.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,388.24	3/4	4,146.04	3/4	3,898.32	3/4	3,638.59	3/4	3,367.12	3/4	3,012.57	3/4	2,654.58	3/4	2,296.59

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28183"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,289.13	0	1,931.13	0	1,573.14	0	1,215.15	0	857.42	0	499.54	0	141.56	0		0		0	
1/4	2,281.67	1/4	1,923.68	1/4	1,565.68	1/4	1,207.69	1/4	849.98	1/4	492.09	1/4	134.10	1/4		1/4		1/4	
1/2	2,274.21	1/2	1,916.22	1/2	1,558.22	1/2	1,200.23	1/2	842.53	1/2	484.63	1/2	126.64	1/2		1/2		1/2	
3/4	2,266.75	3/4	1,908.76	3/4	1,550.76	3/4	1,192.77	3/4	835.08	3/4	477.17	3/4	119.19	3/4		3/4		3/4	
1	2,259.29	1	1,901.30	1	1,543.31	1	1,185.31	1	827.64	1	469.71	1	111.73	1		1		1	
1/4	2,251.84	1/4	1,893.84	1/4	1,535.85	1/4	1,177.85	1/4	820.19	1/4	462.25	1/4	104.27	1/4		1/4		1/4	
1/2	2,244.38	1/2	1,886.38	1/2	1,528.39	1/2	1,170.40	1/2	812.75	1/2	454.80	1/2	97.13	1/2		1/2		1/2	
3/4	2,236.92	3/4	1,878.93	3/4	1,520.93	3/4	1,162.94	3/4	805.30	3/4	447.34	3/4	89.99	3/4		3/4		3/4	
2	2,229.46	2	1,871.47	2	1,513.47	2	1,155.48	2	797.85	2	439.88	2	82.84	2		2		2	
1/4	2,222.00	1/4	1,864.01	1/4	1,506.02	1/4	1,148.02	1/4	790.41	1/4	432.42	1/4	75.70	1/4		1/4		1/4	
1/2	2,214.54	1/2	1,856.55	1/2	1,498.56	1/2	1,140.56	1/2	782.95	1/2	424.96	1/2	69.50	1/2		1/2		1/2	
3/4	2,207.09	3/4	1,849.09	3/4	1,491.10	3/4	1,133.11	3/4	775.49	3/4	417.51	3/4	63.30	3/4		3/4		3/4	
3	2,199.63	3	1,841.63	3	1,483.64	3	1,125.65	3	768.03	3	410.05	3	57.10	3		3		3	
1/4	2,192.17	1/4	1,834.18	1/4	1,476.18	1/4	1,118.19	1/4	760.57	1/4	402.59	1/4	50.90	1/4		1/4		1/4	
1/2	2,184.71	1/2	1,826.72	1/2	1,468.72	1/2	1,110.73	1/2	753.12	1/2	395.13	1/2	45.95	1/2		1/2		1/2	
3/4	2,177.25	3/4	1,819.26	3/4	1,461.27	3/4	1,103.27	3/4	745.66	3/4	387.67	3/4	41.01	3/4		3/4		3/4	
4	2,169.80	4	1,811.80	4	1,453.81	4	1,095.81	4	738.20	4	380.22	4	36.06	4		4		4	
1/4	2,162.34	1/4	1,804.34	1/4	1,446.35	1/4	1,088.36	1/4	730.74	1/4	372.76	1/4	31.12	1/4		1/4		1/4	
1/2	2,154.88	1/2	1,796.89	1/2	1,438.89	1/2	1,080.90	1/2	723.28	1/2	365.30	1/2	27.44	1/2		1/2		1/2	
3/4	2,147.42	3/4	1,789.43	3/4	1,431.43	3/4	1,073.44	3/4	715.83	3/4	357.84	3/4	23.76	3/4		3/4		3/4	
5	2,139.96	5	1,781.97	5	1,423.98	5	1,065.98	5	708.37	5	350.38	5	20.09	5		5		5	
1/4	2,132.50	1/4	1,774.51	1/4	1,416.52	1/4	1,058.52	1/4	700.91	1/4	342.93	1/4	16.41	1/4		1/4		1/4	
1/2	2,125.05	1/2	1,767.05	1/2	1,409.06	1/2	1,051.07	1/2	693.45	1/2	335.47	1/2		1/2		1/2		1/2	
3/4	2,117.59	3/4	1,759.59	3/4	1,401.60	3/4	1,043.61	3/4	685.99	3/4	328.01	3/4		3/4		3/4		3/4	
6	2,110.13	6	1,752.14	6	1,394.14	6	1,036.15	6	678.54	6	320.55	6		6		6		6	
1/4	2,102.67	1/4	1,744.68	1/4	1,386.68	1/4	1,028.69	1/4	671.08	1/4	313.09	1/4		1/4		1/4		1/4	
1/2	2,095.21	1/2	1,737.22	1/2	1,379.23	1/2	1,021.24	1/2	663.62	1/2	305.64	1/2		1/2		1/2		1/2	
3/4	2,087.76	3/4	1,729.76	3/4	1,371.77	3/4	1,013.80	3/4	656.16	3/4	298.18	3/4		3/4		3/4		3/4	
7	2,080.30	7	1,722.30	7	1,364.31	7	1,006.35	7	648.70	7	290.72	7		7		7		7	
1/4	2,072.84	1/4	1,714.85	1/4	1,356.85	1/4	998.91	1/4	641.25	1/4	283.26	1/4		1/4		1/4		1/4	
1/2	2,065.38	1/2	1,707.39	1/2	1,349.39	1/2	991.46	1/2	633.79	1/2	275.80	1/2		1/2		1/2		1/2	
3/4	2,057.92	3/4	1,699.93	3/4	1,341.94	3/4	984.01	3/4	626.33	3/4	268.35	3/4		3/4		3/4		3/4	
8	2,050.46	8	1,692.47	8	1,334.48	8	976.57	8	618.87	8	260.89	8		8		8		8	
1/4	2,043.01	1/4	1,685.01	1/4	1,327.02	1/4	969.12	1/4	611.41	1/4	253.43	1/4		1/4		1/4		1/4	
1/2	2,035.55	1/2	1,677.55	1/2	1,319.56	1/2	961.67	1/2	603.96	1/2	245.97	1/2		1/2		1/2		1/2	
3/4	2,028.09	3/4	1,670.10	3/4	1,312.10	3/4	954.23	3/4	596.50	3/4	238.51	3/4		3/4		3/4		3/4	
9	2,020.63	9	1,662.64	9	1,304.64	9	946.78	9	589.04	9	231.06	9		9		9		9	
1/4	2,013.17	1/4	1,655.18	1/4	1,297.19	1/4	939.33	1/4	581.58	1/4	223.60	1/4		1/4		1/4		1/4	
1/2	2,005.72	1/2	1,647.72	1/2	1,289.73	1/2	931.89	1/2	574.12	1/2	216.14	1/2		1/2		1/2		1/2	
3/4	1,998.26	3/4	1,640.26	3/4	1,282.27	3/4	924.44	3/4	566.67	3/4	208.68	3/4		3/4		3/4		3/4	
10	1,990.80	10	1,632.81	10	1,274.81	10	916.99	10	559.21	10	201.22	10		10		10		10	
1/4	1,983.34	1/4	1,625.35	1/4	1,267.35	1/4	909.55	1/4	551.75	1/4	193.77	1/4		1/4		1/4		1/4	
1/2	1,975.88	1/2	1,617.89	1/2	1,259.90	1/2	902.10	1/2	544.29	1/2	186.31	1/2		1/2		1/2		1/2	
3/4	1,968.42	3/4	1,610.43	3/4	1,252.44	3/4	894.66	3/4	536.83	3/4	178.85	3/4		3/4		3/4		3/4	
11	1,960.97	11	1,602.97	11	1,244.98	11	887.21	11	529.38	11	171.39	11		11		11		11	
1/4	1,953.51	1/4	1,595.51	1/4	1,237.52	1/4	879.76	1/4	521.92	1/4	163.93	1/4		1/4		1/4		1/4	
1/2	1,946.05	1/2	1,588.06	1/2	1,230.06	1/2	872.32	1/2	514.46	1/2	156.48	1/2		1/2		1/2		1/2	
3/4	1,938.59	3/4	1,580.60	3/4	1,222.60	3/4	864.87	3/4	507.00	3/4	149.02	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2012 CL - SW
CALCULATED: 03/19/2012 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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