



BARGE "KIRBY 28187"

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	01-1/8	- 01-1/8	01-3/8	- 01-3/8	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	01-1/8	- 01-1/8	01-3/8	- 01-3/8	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	01-5/8	- 01-5/8	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	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8

(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 - 00-5/8"
 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"

April 13, 2012

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28187"

1 PORT 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,946.33	0	4,610.84	0	4,271.06	0	3,914.79	0	3,542.74	0	3,166.31	0	2,788.40		
1/4		1/4		1/4		1/4	4,939.66	1/4	4,603.92	1/4	4,263.80	1/4	3,907.18	1/4	3,534.90	1/4	3,158.44	1/4	2,780.52		
1/2		1/2		1/2		1/2	4,932.98	1/2	4,597.01	1/2	4,256.53	1/2	3,899.57	1/2	3,527.06	1/2	3,150.56	1/2	2,772.65		
3/4		3/4		3/4		3/4	4,926.30	3/4	4,590.09	3/4	4,249.27	3/4	3,891.96	3/4	3,519.23	3/4	3,142.69	3/4	2,764.78		
1		1		1		1	4,919.63	1	4,583.17	1	4,242.01	1	3,884.35	1	3,511.39	1	3,134.82	1	2,756.90		
1/4		1/4		1/4		1/4	4,912.02	1/4	4,576.22	1/4	4,234.72	1/4	3,876.71	1/4	3,503.55	1/4	3,126.94	1/4	2,749.03		
1/2		1/2		1/2		1/2	4,904.41	1/2	4,569.27	1/2	4,227.42	1/2	3,869.07	1/2	3,495.71	1/2	3,119.07	1/2	2,741.16		
3/4		3/4		3/4		3/4	4,896.80	3/4	4,562.32	3/4	4,220.13	3/4	3,861.44	3/4	3,487.87	3/4	3,111.20	3/4	2,733.28		
2		2		2		2	4,889.19	2	4,555.37	2	4,212.84	2	3,853.80	2	3,480.03	2	3,103.32	2	2,725.41		
1/4		1/4		1/4		1/4	4,881.36	1/4	4,548.40	1/4	4,205.52	1/4	3,846.14	1/4	3,472.20	1/4	3,095.45	1/4	2,717.54		
1/2		1/2		1/2		1/2	4,873.52	1/2	4,541.42	1/2	4,198.20	1/2	3,838.47	1/2	3,464.36	1/2	3,087.58	1/2	2,709.66		
3/4		3/4		3/4		3/4	4,865.68	3/4	4,534.44	3/4	4,190.88	3/4	3,830.81	3/4	3,456.52	3/4	3,079.71	3/4	2,701.79		
3		3		3		3	4,857.84	3	4,527.47	3	4,183.56	3	3,823.15	3	3,448.68	3	3,071.83	3	2,693.92		
1/4		1/4		1/4		1/4	4,850.44	1/4	4,520.46	1/4	4,176.21	1/4	3,815.45	1/4	3,440.84	1/4	3,063.96	1/4	2,686.05		
1/2		1/2		1/2		1/2	4,843.03	1/2	4,513.45	1/2	4,168.86	1/2	3,807.76	1/2	3,433.00	1/2	3,056.09	1/2	2,678.17		
3/4		3/4		3/4		3/4	4,835.63	3/4	4,506.45	3/4	4,161.51	3/4	3,800.07	3/4	3,425.17	3/4	3,048.21	3/4	2,670.30		
4		4		4		4	4,828.22	4	4,499.44	4	4,154.16	4	3,792.37	4	3,417.33	4	3,040.34	4	2,662.43		
1/4		1/4		1/4		1/4	4,821.53	1/4	4,492.41	1/4	4,146.78	1/4	3,784.65	1/4	3,409.49	1/4	3,032.47	1/4	2,654.55		
1/2		1/2		1/2		1/2	4,814.84	1/2	4,485.37	1/2	4,139.40	1/2	3,776.93	1/2	3,401.65	1/2	3,024.59	1/2	2,646.68		
3/4		3/4		3/4		3/4	4,808.14	3/4	4,478.34	3/4	4,132.02	3/4	3,769.21	3/4	3,393.81	3/4	3,016.72	3/4	2,638.81		
5		5		5		5	4,801.45	5	4,471.30	5	4,124.64	5	3,761.48	5	3,385.97	5	3,008.85	5	2,630.93		
1/4		1/4		1/4		1/4	4,794.73	1/4	4,464.24	1/4	4,117.24	1/4	3,753.73	1/4	3,378.14	1/4	3,000.97	1/4	2,623.06		
1/2		1/2		1/2		1/2	4,788.01	1/2	4,457.17	1/2	4,109.83	1/2	3,745.98	1/2	3,370.30	1/2	2,993.10	1/2	2,615.19		
3/4		3/4		3/4		3/4	4,781.29	3/4	4,450.11	3/4	4,102.42	3/4	3,738.23	3/4	3,362.46	3/4	2,985.23	3/4	2,607.31		
6		6		6		6	4,774.57	6	4,443.04	6	4,095.02	6	3,730.48	6	3,354.62	6	2,977.35	6	2,599.44		
1/4		1/4		1/4		1/4	4,767.82	1/4	4,435.95	1/4	4,087.58	1/4	3,722.70	1/4	3,346.78	1/4	2,969.48	1/4	2,591.57		
1/2		1/2		1/2		1/2	4,761.07	1/2	4,428.86	1/2	4,080.14	1/2	3,714.92	1/2	3,338.94	1/2	2,961.61	1/2	2,583.69		
3/4		3/4		3/4		3/4	4,754.32	3/4	4,421.77	3/4	4,072.70	3/4	3,707.14	3/4	3,331.11	3/4	2,953.73	3/4	2,575.82		
7		7		7		7	4,747.57	7	4,414.67	7	4,065.27	7	3,699.36	7	3,323.27	7	2,945.86	7	2,567.95		
1/4		1/4		1/4		1/4	4,740.79	1/4	4,407.55	1/4	4,057.80	1/4	3,691.55	1/4	3,315.43	1/4	2,937.99	1/4	2,560.07		
1/2		1/2		1/2		1/2	4,734.01	1/2	4,400.43	1/2	4,050.34	1/2	3,683.74	1/2	3,307.59	1/2	2,930.11	1/2	2,552.20		
3/4		3/4		3/4		3/4	4,727.23	3/4	4,393.31	3/4	4,042.87	3/4	3,675.93	3/4	3,299.75	3/4	2,922.24	3/4	2,544.33		
8		8		8		8	4,720.46	8	4,386.18	8	4,035.41	8	3,668.12	8	3,291.91	8	2,914.37	8	2,536.45		
1/4		1/4		1/4		1/4	4,713.65	1/4	4,379.03	1/4	4,027.91	1/4	3,660.29	1/4	3,284.08	1/4	2,906.49	1/4	2,528.58		
1/2		1/2		1/2		1/2	4,706.84	1/2	4,371.88	1/2	4,020.42	1/2	3,652.46	1/2	3,276.24	1/2	2,898.62	1/2	2,520.71		
3/4		3/4		3/4		3/4	4,700.03	3/4	4,364.73	3/4	4,012.92	3/4	3,644.63	3/4	3,268.40	3/4	2,890.75	3/4	2,512.83		
9		9		9		9	4,693.22	9	4,357.58	9	4,005.43	9	3,636.80	9	3,260.56	9	2,882.88	9	2,504.96		
1/4		1/4		1/4		1/4	4,686.39	1/4	4,350.40	1/4	3,997.90	1/4	3,628.96	1/4	3,252.72	1/4	2,875.00	1/4	2,497.09		
1/2		1/2		1/2		1/2	4,679.55	1/2	4,343.22	1/2	3,990.38	1/2	3,621.12	1/2	3,244.89	1/2	2,867.13	1/2	2,489.22		
3/4		3/4		3/4		3/4	4,672.71	3/4	4,336.04	3/4	3,982.86	3/4	3,613.29	3/4	3,237.05	3/4	2,859.26	3/4	2,481.34		
10		10		10		10	4,665.88	10	4,328.86	10	3,975.33	10	3,605.45	10	3,229.21	10	2,851.38	10	2,473.47		
1/4		1/4		1/4		1/4	4,659.01	1/4	4,321.65	1/4	3,967.78	1/4	3,597.61	1/4	3,221.36	1/4	2,843.51	1/4	2,465.60		
1/2		1/2		1/2		1/2	4,652.14	1/2	4,314.44	1/2	3,960.23	1/2	3,589.77	1/2	3,213.51	1/2	2,835.64	1/2	2,457.72		
3/4		3/4		3/4		3/4	4,645.27	3/4	4,307.23	3/4	3,952.67	3/4	3,581.93	3/4	3,205.65	3/4	2,827.76	3/4	2,449.85		
11		11		11		11	4,638.41	11	4,300.02	11	3,945.12	11	3,574.09	11	3,197.80	11	2,819.89	11	2,441.98		
1/4		1/4		1/4		1/4	4,631.52	1/4	4,292.78	1/4	3,937.54	1/4	3,566.26	1/4	3,189.93	1/4	2,812.02	1/4	2,434.10		
1/2		1/2		1/2		1/2	4,957.09	1/2	4,624.62	1/2	4,285.54	1/2	3,929.96	1/2	3,558.42	1/2	3,182.06	1/2	2,804.14	1/2	2,426.23
3/4		3/4		3/4		3/4	4,951.71	3/4	4,617.73	3/4	4,278.30	3/4	3,922.38	3/4	3,550.58	3/4	3,174.18	3/4	2,796.27	3/4	2,418.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

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BARGE "KIRBY 28187"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2012 CL - SW
CALCULATED: 04/13/2012 CL
PRINTED: 04/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

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



BARGE "KIRBY 28187"

1 STBD 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		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0	4,953.49	0	4,619.51	0	4,280.08	0	3,924.15	0	3,552.36	0	3,175.96	0	2,798.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,948.11	1/4	4,612.62	1/4	4,272.84	1/4	3,916.57	1/4	3,544.52	1/4	3,168.09	1/4	2,790.17		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,941.43	1/2	4,605.70	1/2	4,265.57	1/2	3,908.96	1/2	3,536.68	1/2	3,160.21	1/2	2,782.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,934.76	3/4	4,598.78	3/4	4,258.31	3/4	3,901.35	3/4	3,528.84	3/4	3,152.34	3/4	2,774.43		
1	1	1	1	1	1	1	4,928.08	1	4,591.86	1	4,251.05	1	3,893.74	1	3,521.00	1	3,144.47	1	2,766.55		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,921.41	1/4	4,584.94	1/4	4,243.78	1/4	3,886.12	1/4	3,513.16	1/4	3,136.59	1/4	2,758.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,913.80	1/2	4,578.00	1/2	4,236.49	1/2	3,878.49	1/2	3,505.33	1/2	3,128.72	1/2	2,750.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,906.19	3/4	4,571.05	3/4	4,229.20	3/4	3,870.85	3/4	3,497.49	3/4	3,120.85	3/4	2,742.93		
2	2	2	2	2	2	2	4,898.58	2	4,564.10	2	4,221.91	2	3,863.22	2	3,489.65	2	3,112.97	2	2,735.06		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,890.97	1/4	4,557.15	1/4	4,214.62	1/4	3,855.58	1/4	3,481.81	1/4	3,105.10	1/4	2,727.19		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,883.13	1/2	4,550.17	1/2	4,207.30	1/2	3,847.92	1/2	3,473.97	1/2	3,097.23	1/2	2,719.31		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,875.29	3/4	4,543.20	3/4	4,199.98	3/4	3,840.25	3/4	3,466.13	3/4	3,089.35	3/4	2,711.44		
3	3	3	3	3	3	3	4,867.46	3	4,536.22	3	4,192.65	3	3,832.59	3	3,458.30	3	3,081.48	3	2,703.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,859.62	1/4	4,529.24	1/4	4,185.33	1/4	3,824.92	1/4	3,450.46	1/4	3,073.61	1/4	2,695.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,852.21	1/2	4,522.24	1/2	4,177.98	1/2	3,817.23	1/2	3,442.62	1/2	3,065.74	1/2	2,687.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,844.81	3/4	4,515.23	3/4	4,170.63	3/4	3,809.54	3/4	3,434.78	3/4	3,057.86	3/4	2,679.95		
4	4	4	4	4	4	4	4,837.40	4	4,508.22	4	4,163.29	4	3,801.84	4	3,426.94	4	3,049.99	4	2,672.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,830.00	1/4	4,501.22	1/4	4,155.94	1/4	3,794.15	1/4	3,419.10	1/4	3,042.12	1/4	2,664.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,823.31	1/2	4,494.18	1/2	4,148.56	1/2	3,786.43	1/2	3,411.27	1/2	3,034.24	1/2	2,656.33		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,816.61	3/4	4,487.15	3/4	4,141.18	3/4	3,778.70	3/4	3,403.43	3/4	3,026.37	3/4	2,648.46		
5	5	5	5	5	5	5	4,809.92	5	4,480.11	5	4,133.80	5	3,770.98	5	3,395.59	5	3,018.50	5	2,640.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,803.23	1/4	4,473.08	1/4	4,126.42	1/4	3,763.26	1/4	3,387.75	1/4	3,010.62	1/4	2,632.71		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,796.51	1/2	4,466.01	1/2	4,119.01	1/2	3,755.51	1/2	3,379.91	1/2	3,002.75	1/2	2,624.84		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,789.79	3/4	4,458.95	3/4	4,111.61	3/4	3,747.76	3/4	3,372.07	3/4	2,994.88	3/4	2,616.96		
6	6	6	6	6	6	6	4,783.07	6	4,451.89	6	4,104.20	6	3,740.01	6	3,364.24	6	2,987.00	6	2,609.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,776.35	1/4	4,444.82	1/4	4,096.79	1/4	3,732.25	1/4	3,356.40	1/4	2,979.13	1/4	2,601.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,769.60	1/2	4,437.73	1/2	4,089.36	1/2	3,724.48	1/2	3,348.56	1/2	2,971.26	1/2	2,593.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,762.85	3/4	4,430.64	3/4	4,081.92	3/4	3,716.70	3/4	3,340.72	3/4	2,963.38	3/4	2,585.47		
7	7	7	7	7	7	7	4,756.10	7	4,423.54	7	4,074.48	7	3,708.92	7	3,332.88	7	2,955.51	7	2,577.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,749.35	1/4	4,416.45	1/4	4,067.04	1/4	3,701.14	1/4	3,325.04	1/4	2,947.64	1/4	2,569.72		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,742.57	1/2	4,409.33	1/2	4,059.58	1/2	3,693.33	1/2	3,317.21	1/2	2,939.76	1/2	2,561.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,735.79	3/4	4,402.21	3/4	4,052.11	3/4	3,685.52	3/4	3,309.37	3/4	2,931.89	3/4	2,553.98		
8	8	8	8	8	8	8	4,729.01	8	4,395.08	8	4,044.65	8	3,677.71	8	3,301.53	8	2,924.02	8	2,546.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,722.23	1/4	4,387.96	1/4	4,037.18	1/4	3,669.90	1/4	3,293.69	1/4	2,916.14	1/4	2,538.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,715.42	1/2	4,380.81	1/2	4,029.69	1/2	3,662.07	1/2	3,285.85	1/2	2,908.27	1/2	2,530.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,708.62	3/4	4,373.66	3/4	4,022.19	3/4	3,654.24	3/4	3,278.02	3/4	2,900.40	3/4	2,522.48		
9	9	9	9	9	9	9	4,701.81	9	4,366.51	9	4,014.70	9	3,646.41	9	3,270.18	9	2,892.52	9	2,514.61		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,695.00	1/4	4,359.36	1/4	4,007.20	1/4	3,638.58	1/4	3,262.34	1/4	2,884.65	1/4	2,506.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,688.16	1/2	4,352.17	1/2	3,999.68	1/2	3,630.74	1/2	3,254.50	1/2	2,876.78	1/2	2,498.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,681.32	3/4	4,344.99	3/4	3,992.16	3/4	3,622.90	3/4	3,246.66	3/4	2,868.91	3/4	2,490.99		
10	10	10	10	10	10	10	4,674.49	10	4,337.81	10	3,984.63	10	3,615.06	10	3,238.82	10	2,861.03	10	2,483.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,667.65	1/4	4,330.63	1/4	3,977.11	1/4	3,607.22	1/4	3,230.99	1/4	2,853.16	1/4	2,475.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,660.78	1/2	4,323.42	1/2	3,969.56	1/2	3,599.39	1/2	3,223.13	1/2	2,845.29	1/2	2,467.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,653.92	3/4	4,316.21	3/4	3,962.00	3/4	3,591.55	3/4	3,215.28	3/4	2,837.41	3/4	2,459.50		
11	11	11	11	11	11	11	4,647.05	11	4,309.00	11	3,954.45	11	3,583.71	11	3,207.43	11	2,829.54	11	2,451.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,640.18	1/4	4,301.80	1/4	3,946.90	1/4	3,575.87	1/4	3,199.58	1/4	2,821.67	1/4	2,443.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,633.29	1/2	4,294.56	1/2	3,939.32	1/2	3,568.03	1/2	3,191.71	1/2	2,813.79	1/2	2,435.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,958.86	3/4	4,626.40	3/4	4,287.32	3/4	3,931.73	3/4	3,560.19	3/4	3,183.83	3/4	2,805.92	3/4	2,428.01

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 28187"

1 STBD 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	2,420.13	0	2,042.22	0	1,664.31	0	1,286.39	0	908.78	0	530.99	0	182.77	0		0		0	
1/4	2,412.26	1/4	2,034.35	1/4	1,656.43	1/4	1,278.52	1/4	900.91	1/4	523.13	1/4	176.14	1/4	1/4	1/4		1/4	1/4
1/2	2,404.39	1/2	2,026.47	1/2	1,648.56	1/2	1,270.65	1/2	893.05	1/2	515.32	1/2	169.63	1/2	1/2	1/2		1/2	1/2
3/4	2,396.51	3/4	2,018.60	3/4	1,640.69	3/4	1,262.77	3/4	885.19	3/4	507.50	3/4	163.11	3/4	3/4	3/4		3/4	3/4
1	2,388.64	1	2,010.73	1	1,632.81	1	1,254.90	1	877.33	1	499.69	1	156.59	1	1	1		1	1
1/4	2,380.77	1/4	2,002.85	1/4	1,624.94	1/4	1,247.03	1/4	869.47	1/4	491.87	1/4	150.07	1/4	1/4	1/4		1/4	1/4
1/2	2,372.89	1/2	1,994.98	1/2	1,617.07	1/2	1,239.15	1/2	861.61	1/2	484.15	1/2	143.67	1/2	1/2	1/2		1/2	1/2
3/4	2,365.02	3/4	1,987.11	3/4	1,609.19	3/4	1,231.28	3/4	853.74	3/4	476.43	3/4	137.27	3/4	3/4	3/4		3/4	3/4
2	2,357.15	2	1,979.23	2	1,601.32	2	1,223.41	2	845.87	2	468.70	2	130.87	2	2	2		2	2
1/4	2,349.27	1/4	1,971.36	1/4	1,593.45	1/4	1,215.53	1/4	838.01	1/4	460.98	1/4	124.47	1/4	1/4	1/4		1/4	1/4
1/2	2,341.40	1/2	1,963.49	1/2	1,585.57	1/2	1,207.66	1/2	830.14	1/2	453.37	1/2	118.19	1/2	1/2	1/2		1/2	1/2
3/4	2,333.53	3/4	1,955.61	3/4	1,577.70	3/4	1,199.79	3/4	822.26	3/4	445.75	3/4	111.91	3/4	3/4	3/4		3/4	3/4
3	2,325.65	3	1,947.74	3	1,569.83	3	1,191.91	3	814.39	3	438.14	3	105.63	3	3	3		3	3
1/4	2,317.78	1/4	1,939.87	1/4	1,561.95	1/4	1,184.04	1/4	806.52	1/4	430.53	1/4	99.35	1/4	1/4	1/4		1/4	1/4
1/2	2,309.91	1/2	1,931.99	1/2	1,554.08	1/2	1,176.17	1/2	798.64	1/2	423.02	1/2	93.20	1/2	1/2	1/2		1/2	1/2
3/4	2,302.03	3/4	1,924.12	3/4	1,546.21	3/4	1,168.29	3/4	790.77	3/4	415.52	3/4	87.05	3/4	3/4	3/4		3/4	3/4
4	2,294.16	4	1,916.25	4	1,538.33	4	1,160.42	4	782.90	4	408.02	4	80.90	4	4	4		4	4
1/4	2,286.29	1/4	1,908.37	1/4	1,530.46	1/4	1,152.55	1/4	775.03	1/4	400.51	1/4	74.74	1/4	1/4	1/4		1/4	1/4
1/2	2,278.42	1/2	1,900.50	1/2	1,522.59	1/2	1,144.67	1/2	767.15	1/2	393.12	1/2	68.74	1/2	1/2	1/2		1/2	1/2
3/4	2,270.54	3/4	1,892.63	3/4	1,514.71	3/4	1,136.80	3/4	759.28	3/4	385.72	3/4	62.73	3/4	3/4	3/4		3/4	3/4
5	2,262.67	5	1,884.76	5	1,506.84	5	1,128.93	5	751.41	5	378.33	5	56.72	5	5	5		5	5
1/4	2,254.80	1/4	1,876.88	1/4	1,498.97	1/4	1,121.05	1/4	743.53	1/4	370.93	1/4	50.71	1/4	1/4	1/4		1/4	1/4
1/2	2,246.92	1/2	1,869.01	1/2	1,491.10	1/2	1,113.19	1/2	735.66	1/2	363.65	1/2	45.29	1/2	1/2	1/2		1/2	1/2
3/4	2,239.05	3/4	1,861.14	3/4	1,483.22	3/4	1,105.32	3/4	727.79	3/4	356.36	3/4	39.87	3/4	3/4	3/4		3/4	3/4
6	2,231.18	6	1,853.26	6	1,475.35	6	1,097.45	6	719.91	6	349.08	6	34.46	6	6	6		6	6
1/4	2,223.30	1/4	1,845.39	1/4	1,467.48	1/4	1,089.58	1/4	712.04	1/4	341.79	1/4	29.04	1/4	1/4	1/4		1/4	1/4
1/2	2,215.43	1/2	1,837.52	1/2	1,459.60	1/2	1,081.72	1/2	704.17	1/2	334.62	1/2	25.08	1/2	1/2	1/2		1/2	1/2
3/4	2,207.56	3/4	1,829.64	3/4	1,451.73	3/4	1,073.86	3/4	696.30	3/4	327.44	3/4	21.11	3/4	3/4	3/4		3/4	3/4
7	2,199.68	7	1,821.77	7	1,443.86	7	1,066.00	7	688.42	7	320.27	7	17.15	7	7	7		7	7
1/4	2,191.81	1/4	1,813.90	1/4	1,435.98	1/4	1,058.14	1/4	680.55	1/4	313.09	1/4	13.19	1/4	1/4	1/4		1/4	1/4
1/2	2,183.94	1/2	1,806.02	1/2	1,428.11	1/2	1,050.28	1/2	672.68	1/2	306.03	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,176.06	3/4	1,798.15	3/4	1,420.24	3/4	1,042.41	3/4	664.80	3/4	298.96	3/4		3/4	3/4	3/4		3/4	3/4
8	2,168.19	8	1,790.28	8	1,412.36	8	1,034.55	8	656.93	8	291.89	8		8	8	8		8	8
1/4	2,160.32	1/4	1,782.40	1/4	1,404.49	1/4	1,026.69	1/4	649.06	1/4	284.83	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,152.44	1/2	1,774.53	1/2	1,396.62	1/2	1,018.83	1/2	641.18	1/2	277.87	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,144.57	3/4	1,766.66	3/4	1,388.74	3/4	1,010.97	3/4	633.31	3/4	270.91	3/4		3/4	3/4	3/4		3/4	3/4
9	2,136.70	9	1,758.78	9	1,380.87	9	1,003.11	9	625.44	9	263.96	9		9	9	9		9	9
1/4	2,128.82	1/4	1,750.91	1/4	1,373.00	1/4	995.25	1/4	617.57	1/4	257.00	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,120.95	1/2	1,743.04	1/2	1,365.12	1/2	987.39	1/2	609.69	1/2	250.15	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,113.08	3/4	1,735.16	3/4	1,357.25	3/4	979.53	3/4	601.82	3/4	243.30	3/4		3/4	3/4	3/4		3/4	3/4
10	2,105.20	10	1,727.29	10	1,349.38	10	971.66	10	593.95	10	236.46	10		10	10	10		10	10
1/4	2,097.33	1/4	1,719.42	1/4	1,341.50	1/4	963.80	1/4	586.80	1/4	229.61	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,089.46	1/2	1,711.54	1/2	1,333.63	1/2	955.94	1/2	578.20	1/2	222.87	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,081.59	3/4	1,703.67	3/4	1,325.76	3/4	948.08	3/4	570.33	3/4	216.13	3/4		3/4	3/4	3/4		3/4	3/4
11	2,073.71	11	1,695.80	11	1,317.88	11	940.22	11	562.45	11	209.40	11		11	11	11		11	11
1/4	2,065.84	1/4	1,687.93	1/4	1,310.01	1/4	932.36	1/4	554.58	1/4	202.66	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,057.97	1/2	1,680.05	1/2	1,302.14	1/2	924.50	1/2	546.72	1/2	196.03	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,050.09	3/4	1,672.18	3/4	1,294.27	3/4	916.64	3/4	538.86	3/4	189.40	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2012 CL - SW
CALCULATED: 04/13/2012 CL
PRINTED: 04/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

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



BARGE "KIRBY 28187"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,357.68	0	1,998.64	0	1,639.60	0	1,289.47	0	944.66	0	586.99	0	227.96	0		0		0	
1/4	2,350.20	1/4	1,991.16	1/4	1,632.12	1/4	1,282.27	1/4	937.48	1/4	579.51	1/4	220.48	1/4		1/4		1/4	
1/2	2,342.72	1/2	1,983.68	1/2	1,624.64	1/2	1,275.08	1/2	930.30	1/2	572.03	1/2	213.00	1/2		1/2		1/2	
3/4	2,335.24	3/4	1,976.20	3/4	1,617.16	3/4	1,267.88	3/4	923.01	3/4	564.55	3/4	205.52	3/4		3/4		3/4	
1	2,327.76	1	1,968.72	1	1,609.68	1	1,260.68	1	915.72	1	557.07	1	198.04	1		1		1	
1/4	2,320.28	1/4	1,961.24	1/4	1,602.20	1/4	1,253.49	1/4	908.43	1/4	549.59	1/4	190.57	1/4		1/4		1/4	
1/2	2,312.80	1/2	1,953.76	1/2	1,594.72	1/2	1,246.29	1/2	901.14	1/2	542.11	1/2	183.09	1/2		1/2		1/2	
3/4	2,305.32	3/4	1,946.28	3/4	1,587.24	3/4	1,239.09	3/4	893.66	3/4	534.63	3/4	175.62	3/4		3/4		3/4	
2	2,297.84	2	1,938.80	2	1,579.76	2	1,231.89	2	886.18	2	527.15	2	168.15	2		2		2	
1/4	2,290.36	1/4	1,931.32	1/4	1,572.28	1/4	1,224.70	1/4	878.70	1/4	519.67	1/4	160.67	1/4		1/4		1/4	
1/2	2,282.88	1/2	1,923.84	1/2	1,564.80	1/2	1,217.50	1/2	871.22	1/2	512.19	1/2	153.20	1/2		1/2		1/2	
3/4	2,275.40	3/4	1,916.36	3/4	1,557.32	3/4	1,210.31	3/4	863.74	3/4	504.71	3/4	145.74	3/4		3/4		3/4	
3	2,267.92	3	1,908.88	3	1,549.84	3	1,203.11	3	856.26	3	497.23	3	138.28	3		3		3	
1/4	2,260.44	1/4	1,901.40	1/4	1,542.36	1/4	1,195.92	1/4	848.78	1/4	489.75	1/4	130.82	1/4		1/4		1/4	
1/2	2,252.96	1/2	1,893.92	1/2	1,534.88	1/2	1,188.73	1/2	841.30	1/2	482.27	1/2	123.36	1/2		1/2		1/2	
3/4	2,245.48	3/4	1,886.44	3/4	1,527.51	3/4	1,181.55	3/4	833.82	3/4	474.79	3/4	115.92	3/4		3/4		3/4	
4	2,238.00	4	1,878.96	4	1,520.13	4	1,174.36	4	826.34	4	467.31	4	108.48	4		4		4	
1/4	2,230.52	1/4	1,871.48	1/4	1,512.76	1/4	1,167.18	1/4	818.86	1/4	459.83	1/4	101.04	1/4		1/4		1/4	
1/2	2,223.04	1/2	1,864.00	1/2	1,505.38	1/2	1,159.99	1/2	811.38	1/2	452.35	1/2	93.59	1/2		1/2		1/2	
3/4	2,215.56	3/4	1,856.52	3/4	1,498.19	3/4	1,152.81	3/4	803.90	3/4	444.87	3/4	86.18	3/4		3/4		3/4	
5	2,208.08	5	1,849.04	5	1,490.99	5	1,145.63	5	796.42	5	437.39	5	78.77	5		5		5	
1/4	2,200.60	1/4	1,841.56	1/4	1,483.79	1/4	1,138.45	1/4	788.94	1/4	429.91	1/4	71.36	1/4		1/4		1/4	
1/2	2,193.12	1/2	1,834.08	1/2	1,476.60	1/2	1,131.26	1/2	781.46	1/2	422.43	1/2	63.95	1/2		1/2		1/2	
3/4	2,185.64	3/4	1,826.60	3/4	1,469.40	3/4	1,124.09	3/4	773.98	3/4	414.95	3/4	57.00	3/4		3/4		3/4	
6	2,178.16	6	1,819.12	6	1,462.20	6	1,116.91	6	766.50	6	407.47	6	50.05	6		6		6	
1/4	2,170.68	1/4	1,811.64	1/4	1,455.00	1/4	1,109.73	1/4	759.02	1/4	399.99	1/4	43.10	1/4		1/4		1/4	
1/2	2,163.20	1/2	1,804.16	1/2	1,447.81	1/2	1,102.56	1/2	751.54	1/2	392.51	1/2	36.14	1/2		1/2		1/2	
3/4	2,155.72	3/4	1,796.68	3/4	1,440.61	3/4	1,095.38	3/4	744.06	3/4	385.03	3/4	30.85	3/4		3/4		3/4	
7	2,148.24	7	1,789.20	7	1,433.41	7	1,088.20	7	736.58	7	377.55	7	25.55	7		7		7	
1/4	2,140.76	1/4	1,781.72	1/4	1,426.22	1/4	1,081.02	1/4	729.10	1/4	370.07	1/4	20.26	1/4		1/4		1/4	
1/2	2,133.28	1/2	1,774.24	1/2	1,419.02	1/2	1,073.85	1/2	721.62	1/2	362.59	1/2	14.96	1/2		1/2		1/2	
3/4	2,125.80	3/4	1,766.76	3/4	1,411.82	3/4	1,066.67	3/4	714.14	3/4	355.11	3/4		3/4		3/4		3/4	
8	2,118.32	8	1,759.28	8	1,404.62	8	1,059.49	8	706.66	8	347.63	8		8		8		8	
1/4	2,110.84	1/4	1,751.80	1/4	1,397.43	1/4	1,052.31	1/4	699.18	1/4	340.15	1/4		1/4		1/4		1/4	
1/2	2,103.36	1/2	1,744.32	1/2	1,390.23	1/2	1,045.14	1/2	691.70	1/2	332.67	1/2		1/2		1/2		1/2	
3/4	2,095.88	3/4	1,736.84	3/4	1,383.03	3/4	1,037.96	3/4	684.22	3/4	325.19	3/4		3/4		3/4		3/4	
9	2,088.40	9	1,729.36	9	1,375.84	9	1,030.78	9	676.75	9	317.71	9		9		9		9	
1/4	2,080.92	1/4	1,721.88	1/4	1,368.64	1/4	1,023.61	1/4	669.27	1/4	310.23	1/4		1/4		1/4		1/4	
1/2	2,073.44	1/2	1,714.40	1/2	1,361.44	1/2	1,016.43	1/2	661.79	1/2	302.76	1/2		1/2		1/2		1/2	
3/4	2,065.96	3/4	1,706.92	3/4	1,354.24	3/4	1,009.25	3/4	654.31	3/4	295.28	3/4		3/4		3/4		3/4	
10	2,058.48	10	1,699.44	10	1,347.05	10	1,002.07	10	646.83	10	287.80	10		10		10		10	
1/4	2,051.00	1/4	1,691.96	1/4	1,339.85	1/4	994.90	1/4	639.35	1/4	280.32	1/4		1/4		1/4		1/4	
1/2	2,043.52	1/2	1,684.48	1/2	1,332.65	1/2	987.72	1/2	631.87	1/2	272.84	1/2		1/2		1/2		1/2	
3/4	2,036.04	3/4	1,677.00	3/4	1,325.46	3/4	980.54	3/4	624.39	3/4	265.36	3/4		3/4		3/4		3/4	
11	2,028.56	11	1,669.52	11	1,318.26	11	973.37	11	616.91	11	257.88	11		11		11		11	
1/4	2,021.08	1/4	1,662.04	1/4	1,311.06	1/4	966.19	1/4	609.43	1/4	250.40	1/4		1/4		1/4		1/4	
1/2	2,013.60	1/2	1,654.56	1/2	1,303.86	1/2	959.01	1/2	601.95	1/2	242.92	1/2		1/2		1/2		1/2	
3/4	2,006.12	3/4	1,647.08	3/4	1,296.67	3/4	951.83	3/4	594.47	3/4	235.44	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2012 CL - SW
CALCULATED: 04/13/2012 CL
PRINTED: 04/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

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



BARGE "KIRBY 28187"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,789.08	0	4,472.12	0	4,148.73	0	3,810.21	0	3,457.07	0	3,099.53	0	2,740.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,783.97	1/4	4,465.54	1/4	4,141.83	1/4	3,803.00	1/4	3,449.63	1/4	3,092.05	1/4	2,733.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,778.86	1/2	4,458.96	1/2	4,134.93	1/2	3,795.79	1/2	3,442.18	1/2	3,084.57	1/2	2,725.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,772.51	3/4	4,452.36	3/4	4,128.01	3/4	3,788.55	3/4	3,434.73	3/4	3,077.09	3/4	2,718.09
1		1		1		1	4,465.17	1	4,121.09	1	3,781.31	1	3,427.29	1	3,069.61	1	2,710.61		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,759.83	1/4	4,439.15	1/4	4,114.17	1/4	3,774.07	1/4	3,419.84	1/4	3,062.13	1/4	2,703.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,753.49	1/2	4,432.55	1/2	4,107.25	1/2	3,766.83	1/2	3,412.39	1/2	3,054.65	1/2	2,695.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,746.26	3/4	4,425.91	3/4	4,100.31	3/4	3,759.57	3/4	3,404.95	3/4	3,047.17	3/4	2,688.17
2		2		2		2	4,439.04	2	4,119.28	2	4,093.36	2	3,752.31	2	3,397.50	2	3,039.69	2	2,680.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,731.81	1/4	4,412.65	1/4	4,086.42	1/4	3,745.05	1/4	3,390.05	1/4	3,032.21	1/4	2,673.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.58	1/2	4,406.02	1/2	4,079.47	1/2	3,737.79	1/2	3,382.60	1/2	3,024.73	1/2	2,665.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.14	3/4	4,399.36	3/4	4,072.50	3/4	3,730.50	3/4	3,375.16	3/4	3,017.25	3/4	2,658.25
3		3		3		3	4,409.69	3	4,392.71	3	4,065.53	3	3,723.21	3	3,367.71	3	3,009.77	3	2,650.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,702.24	1/4	4,386.05	1/4	4,058.55	1/4	3,715.93	1/4	3,360.26	1/4	3,002.30	1/4	2,643.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,694.80	1/2	4,379.39	1/2	4,051.58	1/2	3,708.64	1/2	3,352.82	1/2	2,994.82	1/2	2,635.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,687.75	3/4	4,372.71	3/4	4,044.58	3/4	3,701.33	3/4	3,345.37	3/4	2,987.34	3/4	2,628.34
4		4		4		4	4,680.70	4	4,366.02	4	4,037.58	4	3,694.01	4	3,337.92	4	2,979.86	4	2,620.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,673.65	1/4	4,359.34	1/4	4,030.58	1/4	3,686.70	1/4	3,330.48	1/4	2,972.38	1/4	2,613.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,666.60	1/2	4,352.66	1/2	4,023.59	1/2	3,679.38	1/2	3,323.03	1/2	2,964.90	1/2	2,605.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,660.20	3/4	4,345.95	3/4	4,016.56	3/4	3,672.04	3/4	3,315.58	3/4	2,957.42	3/4	2,598.42
5		5		5		5	4,653.81	5	4,339.24	5	4,009.53	5	3,664.70	5	3,308.13	5	2,949.94	5	2,590.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,647.41	1/4	4,332.53	1/4	4,002.51	1/4	3,657.36	1/4	3,300.69	1/4	2,942.46	1/4	2,583.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,641.01	1/2	4,325.82	1/2	3,995.48	1/2	3,650.02	1/2	3,293.24	1/2	2,934.98	1/2	2,575.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,634.59	3/4	4,319.08	3/4	3,988.43	3/4	3,642.65	3/4	3,285.79	3/4	2,927.50	3/4	2,568.50
6		6		6		6	4,628.17	6	4,312.34	6	3,981.38	6	3,635.29	6	3,278.35	6	2,920.02	6	2,561.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,621.75	1/4	4,305.60	1/4	3,974.33	1/4	3,627.92	1/4	3,270.90	1/4	2,912.55	1/4	2,553.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,615.33	1/2	4,298.87	1/2	3,967.28	1/2	3,620.55	1/2	3,263.45	1/2	2,905.07	1/2	2,546.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,608.88	3/4	4,292.10	3/4	3,960.20	3/4	3,613.16	3/4	3,256.01	3/4	2,897.59	3/4	2,538.59
7		7		7		7	4,602.43	7	4,285.34	7	3,953.12	7	3,605.77	7	3,248.56	7	2,890.11	7	2,531.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,595.98	1/4	4,278.58	1/4	3,946.04	1/4	3,598.37	1/4	3,241.11	1/4	2,882.63	1/4	2,523.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,589.53	1/2	4,271.81	1/2	3,938.96	1/2	3,590.98	1/2	3,233.66	1/2	2,875.15	1/2	2,516.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,583.05	3/4	4,265.02	3/4	3,931.86	3/4	3,583.56	3/4	3,226.22	3/4	2,867.67	3/4	2,508.67
8		8		8		8	4,576.58	8	4,258.23	8	3,924.75	8	3,576.14	8	3,218.77	8	2,860.19	8	2,501.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,570.10	1/4	4,251.44	1/4	3,917.65	1/4	3,568.72	1/4	3,211.32	1/4	2,852.71	1/4	2,493.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,563.63	1/2	4,244.65	1/2	3,910.54	1/2	3,561.30	1/2	3,203.88	1/2	2,845.23	1/2	2,486.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,557.12	3/4	4,237.83	3/4	3,903.41	3/4	3,553.86	3/4	3,196.43	3/4	2,837.75	3/4	2,478.75
9		9		9		9	4,550.62	9	4,231.02	9	3,896.28	9	3,546.42	9	3,188.98	9	2,830.27	9	2,471.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,544.12	1/4	4,224.20	1/4	3,889.15	1/4	3,538.98	1/4	3,181.54	1/4	2,822.79	1/4	2,463.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,537.62	1/2	4,217.38	1/2	3,882.01	1/2	3,531.54	1/2	3,174.09	1/2	2,815.32	1/2	2,456.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,531.09	3/4	4,210.54	3/4	3,874.85	3/4	3,524.10	3/4	3,166.64	3/4	2,807.84	3/4	2,448.83
10		10		10		10	4,524.56	10	4,203.69	10	3,867.70	10	3,516.65	10	3,159.19	10	2,800.36	10	2,441.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,518.03	1/4	4,196.85	1/4	3,860.54	1/4	3,509.20	1/4	3,151.75	1/4	2,792.88	1/4	2,433.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,511.50	1/2	4,190.01	1/2	3,853.38	1/2	3,501.76	1/2	3,144.30	1/2	2,785.40	1/2	2,426.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,504.94	3/4	4,183.14	3/4	3,846.19	3/4	3,494.31	3/4	3,136.85	3/4	2,777.92	3/4	2,418.92
11		11		11		11	4,498.39	11	4,176.27	11	3,839.01	11	3,486.86	11	3,129.39	11	2,770.44	11	2,411.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,491.83	1/4	4,169.40	1/4	3,831.82	1/4	3,479.42	1/4	3,121.94	1/4	2,762.96	1/4	2,403.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,485.28	1/2	4,162.53	1/2	3,824.64	1/2	3,471.97	1/2	3,114.48	1/2	2,755.48	1/2	2,396.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,478.70	3/4	4,155.63	3/4	3,817.43	3/4	3,464.52	3/4	3,107.00	3/4	2,748.00	3/4	2,389.00

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 28187"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,381.52	0	2,022.52	0	1,663.52	0	1,304.52	0	945.80	0	586.92	0	227.93	0		0		0	
1/4	2,374.04	1/4	2,015.04	1/4	1,656.04	1/4	1,297.04	1/4	938.34	1/4	579.44	1/4	220.45	1/4	1/4		1/4		1/4
1/2	2,366.56	1/2	2,007.56	1/2	1,648.56	1/2	1,289.56	1/2	930.87	1/2	571.96	1/2	212.97	1/2	1/2		1/2		1/2
3/4	2,359.08	3/4	2,000.08	3/4	1,641.08	3/4	1,282.08	3/4	923.40	3/4	564.48	3/4	205.50	3/4	3/4		3/4		3/4
1	2,351.61	1	1,992.60	1	1,633.60	1	1,274.60	1	915.94	1	557.00	1	198.02	1	1		1		1
1/4	2,344.13	1/4	1,985.12	1/4	1,626.12	1/4	1,267.12	1/4	908.47	1/4	549.52	1/4	190.54	1/4	1/4		1/4		1/4
1/2	2,336.65	1/2	1,977.65	1/2	1,618.64	1/2	1,259.64	1/2	901.00	1/2	542.04	1/2	183.07	1/2	1/2		1/2		1/2
3/4	2,329.17	3/4	1,970.17	3/4	1,611.16	3/4	1,252.16	3/4	893.53	3/4	534.56	3/4	175.60	3/4	3/4		3/4		3/4
2	2,321.69	2	1,962.69	2	1,603.69	2	1,244.68	2	886.06	2	527.09	2	168.13	2	2		2		2
1/4	2,314.21	1/4	1,955.21	1/4	1,596.21	1/4	1,237.20	1/4	878.59	1/4	519.61	1/4	160.65	1/4	1/4		1/4		1/4
1/2	2,306.73	1/2	1,947.73	1/2	1,588.73	1/2	1,229.73	1/2	871.12	1/2	512.13	1/2	153.18	1/2	1/2		1/2		1/2
3/4	2,299.25	3/4	1,940.25	3/4	1,581.25	3/4	1,222.25	3/4	863.64	3/4	504.65	3/4	145.72	3/4	3/4		3/4		3/4
3	2,291.77	3	1,932.77	3	1,573.77	3	1,214.77	3	856.16	3	497.17	3	138.27	3	3		3		3
1/4	2,284.29	1/4	1,925.29	1/4	1,566.29	1/4	1,207.29	1/4	848.68	1/4	489.69	1/4	130.81	1/4	1/4		1/4		1/4
1/2	2,276.81	1/2	1,917.81	1/2	1,558.81	1/2	1,199.81	1/2	841.20	1/2	482.21	1/2	123.35	1/2	1/2		1/2		1/2
3/4	2,269.33	3/4	1,910.33	3/4	1,551.33	3/4	1,192.33	3/4	833.72	3/4	474.73	3/4	115.91	3/4	3/4		3/4		3/4
4	2,261.85	4	1,902.85	4	1,543.85	4	1,184.85	4	826.24	4	467.25	4	108.47	4	4		4		4
1/4	2,254.38	1/4	1,895.37	1/4	1,536.37	1/4	1,177.37	1/4	818.76	1/4	459.78	1/4	101.02	1/4	1/4		1/4		1/4
1/2	2,246.90	1/2	1,887.89	1/2	1,528.89	1/2	1,169.89	1/2	811.28	1/2	452.30	1/2	93.58	1/2	1/2		1/2		1/2
3/4	2,239.42	3/4	1,880.42	3/4	1,521.41	3/4	1,162.41	3/4	803.81	3/4	444.82	3/4	86.17	3/4	3/4		3/4		3/4
5	2,231.94	5	1,872.94	5	1,513.93	5	1,154.93	5	796.33	5	437.34	5	78.76	5	5		5		5
1/4	2,224.46	1/4	1,865.46	1/4	1,506.46	1/4	1,147.45	1/4	788.85	1/4	429.86	1/4	71.35	1/4	1/4		1/4		1/4
1/2	2,216.98	1/2	1,857.98	1/2	1,498.98	1/2	1,139.97	1/2	781.37	1/2	422.38	1/2	63.94	1/2	1/2		1/2		1/2
3/4	2,209.50	3/4	1,850.50	3/4	1,491.50	3/4	1,132.50	3/4	773.89	3/4	414.90	3/4	56.99	3/4	3/4		3/4		3/4
6	2,202.02	6	1,843.02	6	1,484.02	6	1,125.03	6	766.41	6	407.42	6	50.04	6	6		6		6
1/4	2,194.54	1/4	1,835.54	1/4	1,476.54	1/4	1,117.55	1/4	758.93	1/4	399.94	1/4	43.09	1/4	1/4		1/4		1/4
1/2	2,187.06	1/2	1,828.06	1/2	1,469.06	1/2	1,110.08	1/2	751.45	1/2	392.47	1/2	36.14	1/2	1/2		1/2		1/2
3/4	2,179.58	3/4	1,820.58	3/4	1,461.58	3/4	1,102.61	3/4	743.97	3/4	384.99	3/4	30.84	3/4	3/4		3/4		3/4
7	2,172.10	7	1,813.10	7	1,454.10	7	1,095.14	7	736.50	7	377.51	7	25.55	7	7		7		7
1/4	2,164.63	1/4	1,805.62	1/4	1,446.62	1/4	1,087.68	1/4	729.02	1/4	370.03	1/4	20.26	1/4	1/4		1/4		1/4
1/2	2,157.15	1/2	1,798.14	1/2	1,439.14	1/2	1,080.21	1/2	721.54	1/2	362.55	1/2	14.96	1/2	1/2		1/2		1/2
3/4	2,149.67	3/4	1,790.67	3/4	1,431.66	3/4	1,072.74	3/4	714.06	3/4	355.07	3/4		3/4	3/4		3/4		3/4
8	2,142.19	8	1,783.19	8	1,424.18	8	1,065.28	8	706.58	8	347.59	8		8	8		8		8
1/4	2,134.71	1/4	1,775.71	1/4	1,416.71	1/4	1,057.81	1/4	699.10	1/4	340.11	1/4		1/4	1/4		1/4		1/4
1/2	2,127.23	1/2	1,768.23	1/2	1,409.23	1/2	1,050.34	1/2	691.62	1/2	332.63	1/2		1/2	1/2		1/2		1/2
3/4	2,119.75	3/4	1,760.75	3/4	1,401.75	3/4	1,042.87	3/4	684.14	3/4	325.16	3/4		3/4	3/4		3/4		3/4
9	2,112.27	9	1,753.27	9	1,394.27	9	1,035.41	9	676.66	9	317.68	9		9	9		9		9
1/4	2,104.79	1/4	1,745.79	1/4	1,386.79	1/4	1,027.94	1/4	669.19	1/4	310.20	1/4		1/4	1/4		1/4		1/4
1/2	2,097.31	1/2	1,738.31	1/2	1,379.31	1/2	1,020.47	1/2	661.71	1/2	302.72	1/2		1/2	1/2		1/2		1/2
3/4	2,089.83	3/4	1,730.83	3/4	1,371.83	3/4	1,013.01	3/4	654.23	3/4	295.24	3/4		3/4	3/4		3/4		3/4
10	2,082.35	10	1,723.35	10	1,364.35	10	1,005.54	10	646.75	10	287.76	10		10	10		10		10
1/4	2,074.87	1/4	1,715.87	1/4	1,356.87	1/4	998.07	1/4	639.27	1/4	280.28	1/4		1/4	1/4		1/4		1/4
1/2	2,067.40	1/2	1,708.39	1/2	1,349.39	1/2	990.61	1/2	631.79	1/2	272.80	1/2		1/2	1/2		1/2		1/2
3/4	2,059.92	3/4	1,700.91	3/4	1,341.91	3/4	983.14	3/4	624.31	3/4	265.32	3/4		3/4	3/4		3/4		3/4
11	2,052.44	11	1,693.44	11	1,334.43	11	975.67	11	616.83	11	257.85	11		11	11		11		11
1/4	2,044.96	1/4	1,685.96	1/4	1,326.95	1/4	968.20	1/4	609.35	1/4	250.37	1/4		1/4	1/4		1/4		1/4
1/2	2,037.48	1/2	1,678.48	1/2	1,319.48	1/2	960.74	1/2	601.87	1/2	242.89	1/2		1/2	1/2		1/2		1/2
3/4	2,030.00	3/4	1,671.00	3/4	1,312.00	3/4	953.27	3/4	594.40	3/4	235.41	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2012 CL - SW
CALCULATED: 04/13/2012 CL
PRINTED: 04/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "KIRBY 28187"

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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,350.48	0	4,108.72	0	3,861.68	0	3,602.66	0	3,332.04	0	2,976.04	0	2,619.42
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	4,266.77	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	2,998.33	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'-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 28187"

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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,262.79	0	1,905.69	0	1,549.63	0	1,193.38	0	848.46	0	491.25	0	133.86	0		0		0	
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	1/4
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	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	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
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	1/4
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	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	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	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	1/4
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	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	3/4
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	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	1/4
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	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	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	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	1/4
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	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	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	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	1/4
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	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	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	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	1/4
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	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	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	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	1/4
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	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	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	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	1/4
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	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	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	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	1/4
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	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	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	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	1/4
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	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	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	11
1/4	1,928.02	1/4	1,571.88	1/4	1,214.65	1/4	870.74	1/4	513.58	1/4	156.20	1/4		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	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	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2012 CL - SW
CALCULATED: 04/13/2012 CL
PRINTED: 04/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 28187"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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
1/4		1/4		1/4		1/4	4,374.74	1/4	4,130.92	1/4	3,882.44	1/4	3,621.96	1/4	3,348.19	1/4	2,990.20	1/4	2,632.20		
1/2		1/2		1/2		1/2	4,370.56	1/2	4,125.87	1/2	3,877.13	1/2	3,616.40	1/2	3,340.73	1/2	2,982.74	1/2	2,624.75		
3/4		3/4		3/4		3/4	4,366.38	3/4	4,120.81	3/4	3,871.82	3/4	3,610.84	3/4	3,333.27	3/4	2,975.28	3/4	2,617.29		
1		1		1		1	4,362.20	1	4,115.76	1	3,866.52	1	3,605.27	1	3,325.82	1	2,967.82	1	2,609.83		
1/4		1/4		1/4		1/4	4,356.82	1/4	4,110.68	1/4	3,861.19	1/4	3,599.70	1/4	3,318.36	1/4	2,960.36	1/4	2,602.37		
1/2		1/2		1/2		1/2	4,351.44	1/2	4,105.60	1/2	3,855.87	1/2	3,594.12	1/2	3,310.90	1/2	2,952.91	1/2	2,594.91		
3/4		3/4		3/4		3/4	4,346.05	3/4	4,100.52	3/4	3,850.54	3/4	3,588.54	3/4	3,303.44	3/4	2,945.45	3/4	2,587.45		
2		2		2		2	4,340.67	2	4,095.45	2	3,845.22	2	3,582.96	2	3,295.98	2	2,937.99	2	2,580.00		
1/4		1/4		1/4		1/4	4,334.94	1/4	4,090.35	1/4	3,839.87	1/4	3,577.37	1/4	3,288.53	1/4	2,930.53	1/4	2,572.54		
1/2		1/2		1/2		1/2	4,329.21	1/2	4,085.25	1/2	3,834.52	1/2	3,571.77	1/2	3,281.07	1/2	2,923.07	1/2	2,565.08		
3/4		3/4		3/4		3/4	4,323.47	3/4	4,080.16	3/4	3,829.17	3/4	3,566.17	3/4	3,273.61	3/4	2,915.62	3/4	2,557.62		
3		3		3		3	4,317.74	3	4,075.06	3	3,823.82	3	3,560.58	3	3,266.15	3	2,908.16	3	2,550.16		
1/4		1/4		1/4		1/4	4,312.01	1/4	4,069.94	1/4	3,818.45	1/4	3,554.96	1/4	3,258.69	1/4	2,900.70	1/4	2,542.71		
1/2		1/2		1/2		1/2	4,306.28	1/2	4,064.82	1/2	3,813.09	1/2	3,549.34	1/2	3,251.23	1/2	2,893.24	1/2	2,535.25		
3/4		3/4		3/4		3/4	4,300.54	3/4	4,059.70	3/4	3,807.72	3/4	3,543.72	3/4	3,243.78	3/4	2,885.78	3/4	2,527.79		
4		4		4		4	4,294.81	4	4,054.58	4	3,802.35	4	3,538.10	4	3,236.32	4	2,878.32	4	2,520.33		
1/4		1/4		1/4		1/4	4,289.92	1/4	4,049.44	1/4	3,796.96	1/4	3,532.46	1/4	3,228.86	1/4	2,870.87	1/4	2,512.87		
1/2		1/2		1/2		1/2	4,285.03	1/2	4,044.31	1/2	3,791.57	1/2	3,526.82	1/2	3,221.40	1/2	2,863.41	1/2	2,505.41		
3/4		3/4		3/4		3/4	4,280.14	3/4	4,039.17	3/4	3,786.18	3/4	3,521.18	3/4	3,213.94	3/4	2,855.95	3/4	2,497.96		
5		5		5		5	4,275.25	5	4,034.03	5	3,780.79	5	3,515.54	5	3,206.49	5	2,848.49	5	2,490.50		
1/4		1/4		1/4		1/4	4,270.34	1/4	4,028.87	1/4	3,775.38	1/4	3,509.88	1/4	3,199.03	1/4	2,841.03	1/4	2,483.04		
1/2		1/2		1/2		1/2	4,265.43	1/2	4,023.71	1/2	3,769.97	1/2	3,504.22	1/2	3,191.57	1/2	2,833.58	1/2	2,475.58		
3/4		3/4		3/4		3/4	4,260.52	3/4	4,018.54	3/4	3,764.56	3/4	3,498.56	3/4	3,184.11	3/4	2,826.12	3/4	2,468.12		
6		6		6		6	4,255.61	6	4,013.38	6	3,759.15	6	3,492.90	6	3,176.65	6	2,818.66	6	2,460.67		
1/4		1/4		1/4		1/4	4,250.68	1/4	4,008.20	1/4	3,753.72	1/4	3,487.21	1/4	3,169.19	1/4	2,811.20	1/4	2,453.21		
1/2		1/2		1/2		1/2	4,245.74	1/2	4,003.02	1/2	3,748.28	1/2	3,481.53	1/2	3,161.74	1/2	2,803.74	1/2	2,445.75		
3/4		3/4		3/4		3/4	4,240.81	3/4	3,997.84	3/4	3,742.85	3/4	3,475.85	3/4	3,154.28	3/4	2,796.28	3/4	2,438.29		
7		7		7		7	4,235.88	7	3,992.66	7	3,737.42	7	3,470.17	7	3,146.82	7	2,788.83	7	2,430.83		
1/4		1/4		1/4		1/4	4,230.93	1/4	3,987.46	1/4	3,731.97	1/4	3,464.47	1/4	3,139.36	1/4	2,781.37	1/4	2,423.37		
1/2		1/2		1/2		1/2	4,225.97	1/2	3,982.25	1/2	3,726.52	1/2	3,458.76	1/2	3,131.90	1/2	2,773.91	1/2	2,415.92		
3/4		3/4		3/4		3/4	4,221.02	3/4	3,977.05	3/4	3,721.06	3/4	3,453.06	3/4	3,124.45	3/4	2,766.45	3/4	2,408.46		
8		8		8		8	4,216.07	8	3,971.84	8	3,715.61	8	3,447.36	8	3,116.99	8	2,758.99	8	2,401.00		
1/4		1/4		1/4		1/4	4,211.10	1/4	3,966.62	1/4	3,710.14	1/4	3,441.63	1/4	3,109.53	1/4	2,751.54	1/4	2,393.54		
1/2		1/2		1/2		1/2	4,206.12	1/2	3,961.40	1/2	3,704.66	1/2	3,435.91	1/2	3,102.07	1/2	2,744.08	1/2	2,386.08		
3/4		3/4		3/4		3/4	4,201.14	3/4	3,956.18	3/4	3,699.19	3/4	3,430.19	3/4	3,094.61	3/4	2,736.62	3/4	2,378.63		
9		9		9		9	4,196.17	9	3,950.95	9	3,693.71	9	3,424.46	9	3,087.15	9	2,729.16	9	2,371.17		
1/4		1/4		1/4		1/4	4,191.17	1/4	3,945.71	1/4	3,688.22	1/4	3,418.73	1/4	3,079.70	1/4	2,721.70	1/4	2,363.71		
1/2		1/2		1/2		1/2	4,186.18	1/2	3,940.46	1/2	3,682.72	1/2	3,413.00	1/2	3,072.24	1/2	2,714.24	1/2	2,356.25		
3/4		3/4		3/4		3/4	4,181.19	3/4	3,935.21	3/4	3,677.23	3/4	3,407.26	3/4	3,064.78	3/4	2,706.79	3/4	2,348.79		
10		10		10		10	4,176.19	10	3,929.96	10	3,671.74	10	3,401.53	10	3,057.32	10	2,699.33	10	2,341.33		
1/4		1/4		1/4		1/4	4,171.17	1/4	3,924.70	1/4	3,666.22	1/4	3,395.79	1/4	3,049.86	1/4	2,691.87	1/4	2,333.88		
1/2		1/2		1/2		1/2	4,166.15	1/2	3,919.43	1/2	3,660.70	1/2	3,390.06	1/2	3,042.41	1/2	2,684.41	1/2	2,326.42		
3/4		3/4		3/4		3/4	4,161.13	3/4	3,914.17	3/4	3,655.18	3/4	3,384.32	3/4	3,034.95	3/4	2,676.95	3/4	2,318.96		
11		11		11		11	4,397.56	11	4,151.08	11	3,903.61	11	3,644.13	11	3,372.85	11	3,020.03	11	2,662.04		
1/4		1/4		1/4		1/4	4,388.24	1/4	4,146.04	1/4	3,898.32	1/4	3,638.59	1/4	3,367.12	1/4	3,012.57	1/4	2,654.58		
1/2		1/2		1/2		1/2	4,383.58	1/2	4,141.01	1/2	3,893.03	1/2	3,633.05	1/2	3,361.38	1/2	3,005.11	1/2	2,647.12		
3/4		3/4		3/4		3/4	4,378.92	3/4	4,135.97	3/4	3,887.74	3/4	3,627.52	3/4	3,355.65	3/4	2,997.66	3/4	2,639.66		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28187"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2012 CL - SW
CALCULATED: 04/13/2012 CL
PRINTED: 04/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

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