



KIRBY 28063



Barge Strapping Tables





BARGE "KIRBY 28063"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/4	- 03-1/4
1 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-5/8	- 02-5/8	03-1/4	- 03-1/4
2 PORT	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-5/8	- 02-5/8	03-1/8	- 03-1/8
2 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-5/8	- 02-5/8	03-1/4	- 03-1/4
3 PORT	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-5/8	- 02-5/8	03-1/8	- 03-1/8
3 STBD	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-5/8	- 02-5/8	03-1/8	- 03-1/8

(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 - 01-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-10 7/8"

LENGTH BETWEEN DRAFT MARKS: 242'-06"

April 29, 2004

PRECISION MEASUREMENT
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BARGE "KIRBY 28063"

1 PORT ULLAGE TABLE

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

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M
0	0	0	0	4,505.55	0	4,172.88	0	3,816.58	0	3,450.69	0	3,084.80	0	2,718.91					
1/4	1/4	4,824.97	1/4	4,498.87	1/4	4,165.67	1/4	3,808.96	1/4	3,443.07	1/4	3,077.18	1/4	2,711.29					
1/2	1/2	4,819.33	1/2	4,492.19	1/2	4,158.47	1/2	3,801.34	1/2	3,435.45	1/2	3,069.56	1/2	2,703.67					
3/4	3/4	4,812.51	3/4	4,485.47	3/4	4,151.22	3/4	3,793.71	3/4	3,427.82	3/4	3,061.93	3/4	2,696.04					
1	1	4,805.69	1	4,478.76	1	4,143.98	1	3,786.09	1	3,420.20	1	3,054.31	1	2,688.42					
1/4	1/4	4,798.86	1/4	4,472.04	1/4	4,136.73	1/4	3,778.47	1/4	3,412.58	1/4	3,046.69	1/4	2,680.80					
1/2	1/2	4,792.04	1/2	4,465.33	1/2	4,129.49	1/2	3,770.84	1/2	3,404.95	1/2	3,039.07	1/2	2,673.18					
3/4	3/4	4,784.58	3/4	4,458.58	3/4	4,122.21	3/4	3,763.22	3/4	3,397.33	3/4	3,031.44	3/4	2,665.55					
2	2	4,777.12	2	4,451.83	2	4,114.93	2	3,755.60	2	3,389.71	2	3,023.82	2	2,657.93					
1/4	1/4	4,769.67	1/4	4,445.08	1/4	4,107.85	1/4	3,747.98	1/4	3,382.09	1/4	3,016.20	1/4	2,650.31					
1/2	1/2	4,762.21	1/2	4,438.33	1/2	4,100.36	1/2	3,740.35	1/2	3,374.46	1/2	3,008.57	1/2	2,642.68					
3/4	3/4	4,754.67	3/4	4,431.58	3/4	4,093.05	3/4	3,732.73	3/4	3,366.84	3/4	3,000.95	3/4	2,635.06					
3	3	4,747.13	3	4,424.78	3	4,085.73	3	3,725.11	3	3,359.22	3	2,993.33	3	2,627.44					
1/4	1/4	4,739.59	1/4	4,417.97	1/4	4,078.41	1/4	3,717.49	1/4	3,351.60	1/4	2,985.71	1/4	2,619.82					
1/2	1/2	4,732.05	1/2	4,411.19	1/2	4,071.10	1/2	3,709.86	1/2	3,343.97	1/2	2,978.08	1/2	2,612.19					
3/4	3/4	4,724.79	3/4	4,404.36	3/4	4,063.75	3/4	3,702.24	3/4	3,336.35	3/4	2,970.46	3/4	2,604.57					
4	4	4,717.54	4	4,397.54	4	4,056.40	4	3,694.62	4	3,328.73	4	2,962.84	4	2,596.95					
1/4	1/4	4,710.28	1/4	4,390.72	1/4	4,049.05	1/4	3,686.99	1/4	3,321.11	1/4	2,955.22	1/4	2,589.33					
1/2	1/2	4,703.02	1/2	4,383.89	1/2	4,041.70	1/2	3,679.37	1/2	3,313.48	1/2	2,947.59	1/2	2,581.70					
3/4	3/4	4,696.31	3/4	4,377.03	3/4	4,034.31	3/4	3,671.75	3/4	3,305.86	3/4	2,939.97	3/4	2,574.08					
5	5	4,689.50	5	4,370.17	5	4,026.93	5	3,664.13	5	3,298.24	5	2,932.35	5	2,566.46					
1/4	1/4	4,682.89	1/4	4,363.31	1/4	4,019.55	1/4	3,656.50	1/4	3,290.61	1/4	2,924.72	1/4	2,558.84					
1/2	1/2	4,676.18	1/2	4,356.45	1/2	4,012.16	1/2	3,648.88	1/2	3,282.99	1/2	2,917.10	1/2	2,551.21					
3/4	3/4	4,669.72	3/4	4,349.55	3/4	4,004.74	3/4	3,641.26	3/4	3,275.37	3/4	2,909.48	3/4	2,543.59					
6	6	4,663.26	6	4,342.85	6	3,997.32	6	3,633.64	6	3,267.75	6	2,901.86	6	2,535.97					
1/4	1/4	4,656.80	1/4	4,335.75	1/4	3,989.90	1/4	3,626.01	1/4	3,260.12	1/4	2,894.23	1/4	2,528.34					
1/2	1/2	4,650.34	1/2	4,328.86	1/2	3,982.47	1/2	3,618.39	1/2	3,252.50	1/2	2,886.61	1/2	2,520.72					
3/4	3/4	4,643.84	3/4	4,321.90	3/4	3,975.01	3/4	3,610.77	3/4	3,244.88	3/4	2,878.99	3/4	2,513.10					
7	7	4,637.35	7	4,314.94	7	3,967.85	7	3,603.15	7	3,237.26	7	2,871.37	7	2,505.48					
1/4	1/4	4,630.85	1/4	4,307.99	1/4	3,960.10	1/4	3,595.52	1/4	3,229.63	1/4	2,863.74	1/4	2,497.85					
1/2	1/2	4,624.35	1/2	4,301.03	1/2	3,952.64	1/2	3,587.90	1/2	3,222.01	1/2	2,856.12	1/2	2,490.23					
3/4	3/4	4,617.82	3/4	4,293.99	3/4	3,945.14	3/4	3,580.28	3/4	3,214.39	3/4	2,848.50	3/4	2,482.61					
8	8	4,611.28	8	4,286.96	8	3,937.64	8	3,572.65	8	3,206.76	8	2,840.88	8	2,474.99					
1/4	1/4	4,604.75	1/4	4,279.92	1/4	3,930.15	1/4	3,565.03	1/4	3,199.14	1/4	2,833.25	1/4	2,467.38					
1/2	1/2	4,598.22	1/2	4,272.88	1/2	3,922.65	1/2	3,557.41	1/2	3,191.52	1/2	2,825.63	1/2	2,459.74					
3/4	3/4	4,591.64	3/4	4,265.79	3/4	3,915.12	3/4	3,549.79	3/4	3,183.90	3/4	2,818.01	3/4	2,452.12					
9	9	4,585.07	9	4,258.89	9	3,907.68	9	3,542.16	9	3,176.27	9	2,810.38	9	2,444.49					
1/4	1/4	4,578.50	1/4	4,251.60	1/4	3,900.05	1/4	3,534.54	1/4	3,168.65	1/4	2,802.76	1/4	2,436.87					
1/2	1/2	4,571.93	1/2	4,244.50	1/2	3,892.51	1/2	3,526.92	1/2	3,161.03	1/2	2,795.14	1/2	2,429.25					
3/4	3/4	4,565.32	3/4	4,237.37	3/4	3,884.94	3/4	3,519.30	3/4	3,153.41	3/4	2,787.52	3/4	2,421.63					
10	10	4,558.71	10	4,230.24	10	3,877.37	10	3,511.67	10	3,145.78	10	2,779.89	10	2,414.00					
1/4	1/4	4,552.10	1/4	4,223.11	1/4	3,869.80	1/4	3,504.05	1/4	3,138.16	1/4	2,772.27	1/4	2,406.38					
1/2	1/2	4,545.49	1/2	4,215.97	1/2	3,862.23	1/2	3,496.43	1/2	3,130.54	1/2	2,764.65	1/2	2,398.76					
3/4	3/4	4,538.85	3/4	4,208.80	3/4	3,854.63	3/4	3,488.80	3/4	3,122.91	3/4	2,757.03	3/4	2,391.14					
11	11	4,532.20	11	4,201.63	11	3,847.02	11	3,481.18	11	3,115.29	11	2,749.40	11	2,383.51					
1/4	1/4	4,525.56	1/4	4,194.47	1/4	3,839.42	1/4	3,473.56	1/4	3,107.67	1/4	2,741.78	1/4	2,375.89					
1/2	1/2	4,518.91	1/2	4,187.30	1/2	3,831.82	1/2	3,465.94	1/2	3,100.05	1/2	2,734.16	1/2	2,368.27					
3/4	3/4	4,512.23	3/4	4,180.09	3/4	3,824.20	3/4	3,458.31	3/4	3,092.42	3/4	2,726.53	3/4	2,360.64					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12-10" OFF CENTERLINE AND 64-10" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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[Signature]



BARGE "KIRBY 28063"

1 PORT ULLAGE TABLE

GAUGE HEIGHT 16'-07 1/2"
18 FT. 19 FT.

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M
0	2,353.02	0	1,987.13	0	1,621.23	0	1,255.98	0	892.24	0	526.65	0	181.31	0		0		0	
1/4	2,345.40	1/4	1,979.51	1/4	1,613.61	1/4	1,248.36	1/4	884.67	1/4	519.03	1/4	174.62	1/4		1/4		1/4	
1/2	2,337.78	1/2	1,971.89	1/2	1,605.99	1/2	1,240.73	1/2	877.11	1/2	511.41	1/2	167.93	1/2		1/2		1/2	
3/4	2,330.15	3/4	1,964.27	3/4	1,598.38	3/4	1,233.11	3/4	869.52	3/4	503.80	3/4	161.32	3/4		3/4		3/4	
1	2,322.53	1	1,956.64	1	1,590.74	1	1,225.49	1	861.94	1	496.20	1	154.72	1		1		1	
1 1/4	2,314.91	1 1/4	1,949.02	1 1/4	1,583.12	1 1/4	1,217.86	1 1/4	854.36	1 1/4	488.60	1 1/4	148.12	1 1/4		1 1/4		1 1/4	
1 1/2	2,307.29	1 1/2	1,941.40	1 1/2	1,575.49	1 1/2	1,210.24	1 1/2	846.78	1 1/2	481.00	1 1/2	141.51	1 1/2		1 1/2		1 1/2	
1 3/4	2,299.66	1 3/4	1,933.77	1 3/4	1,567.87	1 3/4	1,202.63	1 3/4	839.17	1 3/4	473.46	1 3/4	135.00	1 3/4		1 3/4		1 3/4	
2	2,292.04	2	1,926.15	2	1,560.25	2	1,195.02	2	831.56	2	465.92	2	128.49	2		2		2	
2 1/4	2,284.42	2 1/4	1,918.53	2 1/4	1,552.62	2 1/4	1,187.41	2 1/4	823.95	2 1/4	458.38	2 1/4	121.98	2 1/4		2 1/4		2 1/4	
2 1/2	2,276.80	2 1/2	1,910.91	2 1/2	1,545.00	2 1/2	1,179.80	2 1/2	816.34	2 1/2	450.84	2 1/2	115.46	2 1/2		2 1/2		2 1/2	
2 3/4	2,269.17	2 3/4	1,903.28	2 3/4	1,537.38	2 3/4	1,172.22	2 3/4	808.72	2 3/4	443.39	2 3/4	109.05	2 3/4		2 3/4		2 3/4	
3	2,261.55	3	1,895.66	3	1,529.76	3	1,164.64	3	801.10	3	435.93	3	102.63	3		3		3	
3 1/4	2,253.93	3 1/4	1,888.04	3 1/4	1,522.13	3 1/4	1,157.06	3 1/4	793.47	3 1/4	428.48	3 1/4	96.22	3 1/4		3 1/4		3 1/4	
3 1/2	2,246.30	3 1/2	1,880.41	3 1/2	1,514.51	3 1/2	1,149.47	3 1/2	785.85	3 1/2	421.02	3 1/2	89.80	3 1/2		3 1/2		3 1/2	
3 3/4	2,238.68	3 3/4	1,872.79	3 3/4	1,506.89	3 3/4	1,141.91	3 3/4	778.23	3 3/4	413.65	3 3/4	83.49	3 3/4		3 3/4		3 3/4	
4	2,231.06	4	1,865.17	4	1,499.26	4	1,134.34	4	770.61	4	406.29	4	77.18	4		4		4	
4 1/4	2,223.44	4 1/4	1,857.54	4 1/4	1,491.64	4 1/4	1,126.77	4 1/4	762.98	4 1/4	398.92	4 1/4	70.87	4 1/4		4 1/4		4 1/4	
4 1/2	2,215.81	4 1/2	1,849.92	4 1/2	1,484.02	4 1/2	1,119.20	4 1/2	755.36	4 1/2	391.55	4 1/2	64.56	4 1/2		4 1/2		4 1/2	
4 3/4	2,208.19	4 3/4	1,842.30	4 3/4	1,476.41	4 3/4	1,111.64	4 3/4	747.74	4 3/4	384.26	4 3/4	58.37	4 3/4		4 3/4		4 3/4	
5	2,200.57	5	1,834.68	5	1,468.80	5	1,104.07	5	740.11	5	376.98	5	52.18	5		5		5	
5 1/4	2,192.95	5 1/4	1,827.05	5 1/4	1,461.19	5 1/4	1,096.51	5 1/4	732.49	5 1/4	369.69	5 1/4	45.98	5 1/4		5 1/4		5 1/4	
5 1/2	2,185.32	5 1/2	1,819.43	5 1/2	1,453.58	5 1/2	1,088.94	5 1/2	724.87	5 1/2	362.41	5 1/2	39.79	5 1/2		5 1/2		5 1/2	
5 3/4	2,177.70	5 3/4	1,811.81	5 3/4	1,445.98	5 3/4	1,081.38	5 3/4	717.24	5 3/4	355.21	5 3/4	34.29	5 3/4		5 3/4		5 3/4	
6	2,170.08	6	1,804.18	6	1,438.39	6	1,073.81	6	709.62	6	348.01	6	28.80	6		6		6	
6 1/4	2,162.45	6 1/4	1,796.56	6 1/4	1,430.79	6 1/4	1,066.25	6 1/4	702.00	6 1/4	340.81	6 1/4	23.30	6 1/4		6 1/4		6 1/4	
6 1/2	2,154.83	6 1/2	1,788.94	6 1/2	1,423.20	6 1/2	1,058.68	6 1/2	694.37	6 1/2	333.61	6 1/2	17.80	6 1/2		6 1/2		6 1/2	
6 3/4	2,147.21	6 3/4	1,781.31	6 3/4	1,415.60	6 3/4	1,051.12	6 3/4	686.75	6 3/4	326.49	6 3/4	14.25	6 3/4		6 3/4		6 3/4	
7	2,139.59	7	1,773.69	7	1,408.01	7	1,043.55	7	679.13	7	319.38	7	10.69	7		7		7	
7 1/4	2,131.96	7 1/4	1,766.07	7 1/4	1,400.41	7 1/4	1,035.99	7 1/4	671.50	7 1/4	312.26	7 1/4	7.14	7 1/4		7 1/4		7 1/4	
7 1/2	2,124.34	7 1/2	1,758.45	7 1/2	1,392.82	7 1/2	1,028.42	7 1/2	663.88	7 1/2	305.15	7 1/2	3.58	7 1/2		7 1/2		7 1/2	
7 3/4	2,116.72	7 3/4	1,750.82	7 3/4	1,385.22	7 3/4	1,020.86	7 3/4	656.26	7 3/4	298.12	7 3/4		7 3/4		7 3/4		7 3/4	
8	2,109.10	8	1,743.20	8	1,377.63	8	1,013.29	8	648.63	8	291.09	8		8		8		8	
8 1/4	2,101.47	8 1/4	1,735.58	8 1/4	1,370.03	8 1/4	1,005.72	8 1/4	641.01	8 1/4	284.06	8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	2,093.85	8 1/2	1,727.96	8 1/2	1,362.43	8 1/2	998.16	8 1/2	633.39	8 1/2	277.02	8 1/2		8 1/2		8 1/2		8 1/2	
8 3/4	2,086.23	8 3/4	1,720.33	8 3/4	1,354.84	8 3/4	990.59	8 3/4	625.76	8 3/4	270.08	8 3/4		8 3/4		8 3/4		8 3/4	
9	2,078.61	9	1,712.71	9	1,347.24	9	983.03	9	618.14	9	263.13	9		9		9		9	
9 1/4	2,070.98	9 1/4	1,705.08	9 1/4	1,339.65	9 1/4	975.46	9 1/4	610.51	9 1/4	256.19	9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	2,063.36	9 1/2	1,697.46	9 1/2	1,332.05	9 1/2	967.90	9 1/2	602.88	9 1/2	249.24	9 1/2		9 1/2		9 1/2		9 1/2	
9 3/4	2,055.74	9 3/4	1,689.84	9 3/4	1,324.45	9 3/4	960.33	9 3/4	595.27	9 3/4	242.38	9 3/4		9 3/4		9 3/4		9 3/4	
10	2,048.11	10	1,682.22	10	1,316.86	10	952.77	10	587.64	10	235.52	10		10		10		10	
10 1/4	2,040.49	10 1/4	1,674.59	10 1/4	1,309.26	10 1/4	945.20	10 1/4	580.02	10 1/4	228.66	10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	2,032.87	10 1/2	1,666.97	10 1/2	1,301.67	10 1/2	937.64	10 1/2	572.40	10 1/2	221.80	10 1/2		10 1/2		10 1/2		10 1/2	
10 3/4	2,025.25	10 3/4	1,659.36	10 3/4	1,294.06	10 3/4	930.07	10 3/4	564.77	10 3/4	215.02	10 3/4		10 3/4		10 3/4		10 3/4	
11	2,017.62	11	1,651.72	11	1,286.45	11	922.51	11	557.15	11	208.25	11		11		11		11	
11 1/4	2,010.00	11 1/4	1,644.10	11 1/4	1,278.84	11 1/4	914.94	11 1/4	549.53	11 1/4	201.47	11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	2,002.38	11 1/2	1,636.48	11 1/2	1,271.23	11 1/2	907.38	11 1/2	541.90	11 1/2	194.69	11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4	1,994.76	11 3/4	1,628.85	11 3/4	1,263.60	11 3/4	899.81	11 3/4	534.28	11 3/4	188.00	11 3/4		11 3/4		11 3/4		11 3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/22/2004 CL - 8H
CALCULATED: 04/28/2004 CL
PRINTED: 04/28/2004 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2004

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2892
Pearland, Texas 77608
http://www.pmainc.com



BARGE "KIRBY 28063"

1 STBD

ULLAGE TABLE

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

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 17-16" OFF CENTERLINE AND 61-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77663
<http://www.pmaacorp.net>

R. J. [Signature]



BARGE "KIRBY 28063"

1 STBD ULLAGE TABLE

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H
0	2,362.87	0	1,996.85	0	1,630.82	0	1,265.44	0	900.38	0	534.45	0	188.06	0		0		0	
1/4	2,355.25	1/4	1,989.23	1/4	1,623.20	1/4	1,257.81	1/4	892.78	1/4	526.83	1/4	181.37	1/4		1/4		1/4	
1/2	2,347.62	1/2	1,981.60	1/2	1,615.57	1/2	1,250.19	1/2	885.18	1/2	519.21	1/2	174.68	1/2		1/2		1/2	
3/4	2,340.00	3/4	1,973.98	3/4	1,607.94	3/4	1,242.56	3/4	877.59	3/4	511.58	3/4	167.98	3/4		3/4		3/4	
1	2,332.37	1	1,966.35	1	1,600.32	1	1,234.94	1	869.97	1	503.98	1	161.38	1		1		1	
1 1/4	2,324.74	1 1/4	1,958.73	1 1/4	1,592.69	1 1/4	1,227.31	1 1/4	862.36	1 1/4	496.37	1 1/4	154.77	1 1/4		1 1/4		1 1/4	
1 1/2	2,317.12	1 1/2	1,951.10	1 1/2	1,585.07	1 1/2	1,219.68	1 1/2	854.74	1 1/2	488.77	1 1/2	148.16	1 1/2		1 1/2		1 1/2	
1 3/4	2,309.49	1 3/4	1,943.47	1 3/4	1,577.44	1 3/4	1,212.06	1 3/4	847.13	1 3/4	481.16	1 3/4	141.56	1 3/4		1 3/4		1 3/4	
2	2,301.87	2	1,935.85	2	1,569.82	2	1,204.43	2	839.51	2	473.62	2	135.04	2		2		2	
2 1/4	2,294.24	2 1/4	1,928.22	2 1/4	1,562.19	2 1/4	1,196.80	2 1/4	831.88	2 1/4	466.08	2 1/4	128.53	2 1/4		2 1/4		2 1/4	
2 1/2	2,286.62	2 1/2	1,920.60	2 1/2	1,554.56	2 1/2	1,189.18	2 1/2	824.25	2 1/2	458.54	2 1/2	122.02	2 1/2		2 1/2		2 1/2	
2 3/4	2,278.99	2 3/4	1,912.97	2 3/4	1,546.94	2 3/4	1,181.55	2 3/4	816.63	2 3/4	450.99	2 3/4	115.50	2 3/4		2 3/4		2 3/4	
3	2,271.37	3	1,905.35	3	1,539.31	3	1,173.94	3	809.00	3	443.54	3	109.08	3		3		3	
3 1/4	2,263.74	3 1/4	1,897.72	3 1/4	1,531.69	3 1/4	1,166.32	3 1/4	801.38	3 1/4	436.08	3 1/4	102.67	3 1/4		3 1/4		3 1/4	
3 1/2	2,256.12	3 1/2	1,890.09	3 1/2	1,524.06	3 1/2	1,158.71	3 1/2	793.75	3 1/2	428.62	3 1/2	96.25	3 1/2		3 1/2		3 1/2	
3 3/4	2,248.49	3 3/4	1,882.47	3 3/4	1,516.44	3 3/4	1,151.10	3 3/4	786.12	3 3/4	421.17	3 3/4	89.83	3 3/4		3 3/4		3 3/4	
4	2,240.87	4	1,874.84	4	1,508.81	4	1,143.50	4	778.50	4	413.79	4	83.52	4		4		4	
4 1/4	2,233.24	4 1/4	1,867.22	4 1/4	1,501.18	4 1/4	1,135.90	4 1/4	770.87	4 1/4	406.42	4 1/4	77.21	4 1/4		4 1/4		4 1/4	
4 1/2	2,225.61	4 1/2	1,859.59	4 1/2	1,493.56	4 1/2	1,128.30	4 1/2	763.25	4 1/2	399.05	4 1/2	70.89	4 1/2		4 1/2		4 1/2	
4 3/4	2,217.99	4 3/4	1,851.97	4 3/4	1,485.93	4 3/4	1,120.70	4 3/4	755.62	4 3/4	391.68	4 3/4	64.58	4 3/4		4 3/4		4 3/4	
5	2,210.36	5	1,844.34	5	1,478.32	5	1,113.10	5	747.99	5	384.39	5	58.39	5		5		5	
5 1/4	2,202.74	5 1/4	1,836.71	5 1/4	1,470.71	5 1/4	1,105.51	5 1/4	740.37	5 1/4	377.10	5 1/4	52.19	5 1/4		5 1/4		5 1/4	
5 1/2	2,195.11	5 1/2	1,829.09	5 1/2	1,463.10	5 1/2	1,097.91	5 1/2	732.74	5 1/2	369.82	5 1/2	46.00	5 1/2		5 1/2		5 1/2	
5 3/4	2,187.49	5 3/4	1,821.46	5 3/4	1,455.49	5 3/4	1,090.31	5 3/4	725.12	5 3/4	362.53	5 3/4	39.80	5 3/4		5 3/4		5 3/4	
6	2,179.86	6	1,813.84	6	1,447.89	6	1,082.72	6	717.49	6	355.33	6	34.30	6		6		6	
6 1/4	2,172.24	6 1/4	1,806.21	6 1/4	1,440.29	6 1/4	1,075.12	6 1/4	709.86	6 1/4	348.12	6 1/4	28.80	6 1/4		6 1/4		6 1/4	
6 1/2	2,164.61	6 1/2	1,798.59	6 1/2	1,432.69	6 1/2	1,067.52	6 1/2	702.24	6 1/2	340.92	6 1/2	23.31	6 1/2		6 1/2		6 1/2	
6 3/4	2,156.99	6 3/4	1,790.96	6 3/4	1,425.09	6 3/4	1,059.92	6 3/4	694.61	6 3/4	333.72	6 3/4	17.81	6 3/4		6 3/4		6 3/4	
7	2,149.36	7	1,783.34	7	1,417.50	7	1,052.33	7	686.99	7	326.60	7	14.25	7		7		7	
7 1/4	2,141.74	7 1/4	1,775.71	7 1/4	1,409.90	7 1/4	1,044.73	7 1/4	679.36	7 1/4	319.48	7 1/4	10.69	7 1/4		7 1/4		7 1/4	
7 1/2	2,134.11	7 1/2	1,768.08	7 1/2	1,402.30	7 1/2	1,037.13	7 1/2	671.73	7 1/2	312.37	7 1/2	7.14	7 1/2		7 1/2		7 1/2	
7 3/4	2,126.48	7 3/4	1,760.46	7 3/4	1,394.70	7 3/4	1,029.54	7 3/4	664.11	7 3/4	305.25	7 3/4	3.58	7 3/4		7 3/4		7 3/4	
8	2,118.86	8	1,752.83	8	1,387.10	8	1,021.94	8	656.48	8	298.22	8		8		8		8	
8 1/4	2,111.23	8 1/4	1,745.21	8 1/4	1,379.50	8 1/4	1,014.34	8 1/4	648.86	8 1/4	291.18	8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	2,103.61	8 1/2	1,737.58	8 1/2	1,371.90	8 1/2	1,006.74	8 1/2	641.23	8 1/2	284.15	8 1/2		8 1/2		8 1/2		8 1/2	
8 3/4	2,095.98	8 3/4	1,729.96	8 3/4	1,364.31	8 3/4	999.15	8 3/4	633.60	8 3/4	277.12	8 3/4		8 3/4		8 3/4		8 3/4	
9	2,088.36	9	1,722.33	9	1,356.71	9	991.55	9	625.98	9	270.17	9		9		9		9	
9 1/4	2,080.73	9 1/4	1,714.70	9 1/4	1,349.11	9 1/4	983.95	9 1/4	618.35	9 1/4	263.22	9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	2,073.11	9 1/2	1,707.08	9 1/2	1,341.51	9 1/2	976.36	9 1/2	610.72	9 1/2	256.27	9 1/2		9 1/2		9 1/2		9 1/2	
9 3/4	2,065.48	9 3/4	1,699.45	9 3/4	1,333.91	9 3/4	968.76	9 3/4	603.10	9 3/4	249.32	9 3/4		9 3/4		9 3/4		9 3/4	
10	2,057.86	10	1,691.83	10	1,326.31	10	961.16	10	595.47	10	242.48	10		10		10		10	
10 1/4	2,050.23	10 1/4	1,684.20	10 1/4	1,318.71	10 1/4	953.56	10 1/4	587.85	10 1/4	235.60	10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	2,042.60	10 1/2	1,676.58	10 1/2	1,311.12	10 1/2	945.97	10 1/2	580.22	10 1/2	228.73	10 1/2		10 1/2		10 1/2		10 1/2	
10 3/4	2,034.98	10 3/4	1,668.95	10 3/4	1,303.52	10 3/4	938.37	10 3/4	572.59	10 3/4	221.87	10 3/4		10 3/4		10 3/4		10 3/4	
11	2,027.35	11	1,661.32	11	1,295.90	11	930.77	11	564.97	11	215.09	11		11		11		11	
11 1/4	2,019.73	11 1/4	1,653.70	11 1/4	1,288.29	11 1/4	923.18	11 1/4	557.34	11 1/4	208.31	11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	2,012.10	11 1/2	1,646.07	11 1/2	1,280.68	11 1/2	915.58	11 1/2	549.71	11 1/2	201.54	11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4	2,004.48	11 3/4	1,638.45	11 3/4	1,273.07	11 3/4	907.98	11 3/4	542.09	11 3/4	194.76	11 3/4		11 3/4		11 3/4		11 3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2004 CL - SW
CALCULATED: 04/28/2004 CL
PRINTED: 04/28/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2004

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77664
http://www.pmacorp.net



BARGE "KIRBY 28063"

2 PORT ULLAGE TABLE

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	2,386.94	0	1,660.10	0	960.17	0	590.44	0	226.98
1/4	2,379.37	1/4	1,662.53	1/4	942.83	1/4	582.87	1/4	219.40
1/2	2,371.80	1/2	1,644.95	1/2	928.40	1/2	575.30	1/2	211.83
3/4	2,364.23	3/4	1,637.38	3/4	928.42	3/4	567.73	3/4	204.26
1	2,356.66	1	1,629.81	1	921.77	1	560.15	1	196.69
1 1/4	2,349.08	1 1/4	1,622.24	1 1/4	913.91	1 1/4	552.58	1 1/4	189.12
1 1/2	2,341.51	1 1/2	1,614.67	1 1/2	906.65	1 1/2	545.01	1 1/2	181.56
1 3/4	2,333.94	1 3/4	1,607.10	1 3/4	899.38	1 3/4	537.44	1 3/4	173.99
2	2,326.37	2	1,599.53	2	892.11	2	529.86	2	166.43
2 1/4	2,318.80	2 1/4	1,591.95	2 1/4	884.84	2 1/4	522.29	2 1/4	158.87
2 1/2	2,311.23	2 1/2	1,584.38	2 1/2	877.57	2 1/2	514.72	2 1/2	151.30
2 3/4	2,303.66	2 3/4	1,576.81	2 3/4	870.15	2 3/4	507.15	2 3/4	143.75
3	2,296.09	3	1,569.24	3	862.73	3	499.58	3	136.20
3 1/4	2,288.51	3 1/4	1,561.67	3 1/4	855.31	3 1/4	492.00	3 1/4	128.65
3 1/2	2,280.94	3 1/2	1,554.10	3 1/2	847.88	3 1/2	484.43	3 1/2	121.10
3 3/4	2,273.37	3 3/4	1,546.51	3 3/4	840.31	3 3/4	476.86	3 3/4	113.57
4	2,265.80	4	1,539.12	4	832.74	4	469.29	4	106.04
4 1/4	2,258.23	4 1/4	1,531.63	4 1/4	825.17	4 1/4	461.71	4 1/4	98.51
4 1/2	2,250.66	4 1/2	1,524.14	4 1/2	817.60	4 1/2	454.14	4 1/2	90.98
4 3/4	2,243.09	4 3/4	1,516.73	4 3/4	810.03	4 3/4	446.57	4 3/4	83.48
5	2,235.52	5	1,509.32	5	802.45	5	439.00	5	75.99
5 1/4	2,227.95	5 1/4	1,501.91	5 1/4	794.88	5 1/4	431.43	5 1/4	68.49
5 1/2	2,220.37	5 1/2	1,494.50	5 1/2	787.31	5 1/2	423.85	5 1/2	60.99
5 3/4	2,212.80	5 3/4	1,487.09	5 3/4	779.74	5 3/4	416.28	5 3/4	54.10
6	2,205.23	6	1,479.68	6	772.17	6	408.71	6	47.21
6 1/4	2,197.66	6 1/4	1,472.27	6 1/4	764.59	6 1/4	401.14	6 1/4	40.32
6 1/2	2,190.09	6 1/2	1,464.86	6 1/2	757.02	6 1/2	393.56	6 1/2	33.43
6 3/4	2,182.52	6 3/4	1,457.45	6 3/4	749.45	6 3/4	385.99	6 3/4	28.38
7	2,174.95	7	1,450.04	7	741.88	7	378.42	7	23.34
7 1/4	2,167.38	7 1/4	1,442.63	7 1/4	734.31	7 1/4	370.85	7 1/4	18.29
7 1/2	2,159.81	7 1/2	1,435.22	7 1/2	726.74	7 1/2	363.28	7 1/2	13.24
7 3/4	2,152.23	7 3/4	1,427.81	7 3/4	719.16	7 3/4	355.70	7 3/4	8.19
8	2,144.66	8	1,420.40	8	711.59	8	348.13	8	3.14
8 1/4	2,137.09	8 1/4	1,412.99	8 1/4	704.02	8 1/4	340.56	8 1/4	0
8 1/2	2,129.52	8 1/2	1,405.58	8 1/2	696.45	8 1/2	332.99	8 1/2	0
8 3/4	2,121.95	8 3/4	1,398.17	8 3/4	688.88	8 3/4	325.41	8 3/4	0
9	2,114.38	9	1,390.76	9	681.31	9	317.84	9	0
9 1/4	2,106.81	9 1/4	1,383.35	9 1/4	673.73	9 1/4	310.27	9 1/4	0
9 1/2	2,099.23	9 1/2	1,375.94	9 1/2	666.16	9 1/2	302.70	9 1/2	0
9 3/4	2,091.66	9 3/4	1,368.45	9 3/4	658.59	9 3/4	295.13	9 3/4	0
10	2,084.09	10	1,360.96	10	651.02	10	287.55	10	0
10 1/4	2,076.52	10 1/4	1,353.47	10 1/4	643.45	10 1/4	279.98	10 1/4	0
10 1/2	2,068.95	10 1/2	1,345.98	10 1/2	635.87	10 1/2	272.41	10 1/2	0
10 3/4	2,061.38	10 3/4	1,338.41	10 3/4	628.30	10 3/4	264.84	10 3/4	0
11	2,053.81	11	1,330.84	11	620.73	11	257.26	11	0
11 1/4	2,046.24	11 1/4	1,323.26	11 1/4	613.16	11 1/4	249.69	11 1/4	0
11 1/2	2,038.67	11 1/2	1,315.69	11 1/2	605.59	11 1/2	242.12	11 1/2	0
11 3/4	2,031.09	11 3/4	1,308.12	11 3/4	598.01	11 3/4	234.55	11 3/4	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04272004 CL - BW
 CALCULATED: 04272004 CL
 PRINTED: 04272004 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 042004

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2992
 Pearland, Texas 77668
 http://www.pmeas.com



BARGE "KIRBY 28063"

2 STBD

ULLAGE TABLE

GAUGE HEIGHT 16'-07 3/8"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS				2 FT.				3 FT.				4 FT.				5 FT.				6 FT.				7 FT.				8 FT.				9 FT.							
M	1/4	1/2	3/4	M	1/4	1/2	3/4	M	1/4	1/2	3/4	M	1/4	1/2	3/4	M	1/4	1/2	3/4	M	1/4	1/2	3/4	M	1/4	1/2	3/4	M	1/4	1/2	3/4	M	1/4	1/2	3/4	M	1/4	1/2	3/4
0	0	0	0	0	4,836.62	0	4,206.06	0	3,851.09	0	3,487.80	0	3,124.52	0	2,761.23																								
1/4	1/4	1/4	1/4	4,850.48	4,828.98	1/4	4,197.91	1/4	3,843.52	1/4	3,480.23	1/4	3,116.95	1/4	2,753.67																								
1/2	1/2	1/2	1/2	4,847.10	4,822.33	1/2	4,190.73	1/2	3,835.95	1/2	3,472.66	1/2	3,109.38	1/2	2,746.10																								
3/4	3/4	3/4	3/4	4,840.32	4,815.67	3/4	4,183.54	3/4	3,828.38	3/4	3,465.10	3/4	3,101.81	3/4	2,738.53																								
1	1	1	1	4,833.55	4,809.00	1	4,176.36	1	3,820.81	1	3,457.33	1	3,094.24	1	2,730.96																								
1/4	1/4	1/4	1/4	4,826.77	4,802.34	1/4	4,169.15	1/4	3,813.24	1/4	3,449.96	1/4	3,086.68	1/4	2,723.39																								
1/2	1/2	1/2	1/2	4,819.68	4,795.65	1/2	4,161.94	1/2	3,806.67	1/2	3,442.39	1/2	3,079.11	1/2	2,715.82																								
3/4	3/4	3/4	3/4	4,812.27	4,788.95	3/4	4,154.71	3/4	3,798.11	3/4	3,434.82	3/4	3,071.54	3/4	2,708.26																								
2	2	2	2	4,804.87	4,782.25	2	4,147.48	2	3,790.54	2	3,427.25	2	3,063.97	2	2,700.69																								
1/4	1/4	1/4	1/4	4,797.46	4,775.55	1/4	4,140.25	1/4	3,782.97	1/4	3,419.69	1/4	3,056.40	1/4	2,693.12																								
1/2	1/2	1/2	1/2	4,790.02	4,768.83	1/2	4,133.00	1/2	3,775.40	1/2	3,412.12	1/2	3,048.83	1/2	2,685.55																								
3/4	3/4	3/4	3/4	4,782.53	4,762.09	3/4	4,125.74	3/4	3,767.83	3/4	3,404.55	3/4	3,041.27	3/4	2,677.98																								
3	3	3	3	4,775.05	4,755.36	3	4,118.47	3	3,760.26	3	3,396.98	3	3,033.70	3	2,670.41																								
1/4	1/4	1/4	1/4	4,767.57	4,748.52	1/4	4,111.21	1/4	3,752.68	1/4	3,389.41	1/4	3,026.13	1/4	2,662.85																								
1/2	1/2	1/2	1/2	4,760.22	4,741.86	1/2	4,103.93	1/2	3,745.13	1/2	3,381.84	1/2	3,018.56	1/2	2,655.28																								
3/4	3/4	3/4	3/4	4,753.01	4,735.09	3/4	4,096.63	3/4	3,737.56	3/4	3,374.27	3/4	3,010.99	3/4	2,647.71																								
4	4	4	4	4,745.81	4,728.31	4	4,089.33	4	3,729.99	4	3,366.71	4	3,003.42	4	2,640.14																								
1/4	1/4	1/4	1/4	4,738.60	4,721.54	1/4	4,082.04	1/4	3,722.42	1/4	3,359.14	1/4	2,995.85	1/4	2,632.57																								
1/2	1/2	1/2	1/2	4,731.66	4,714.74	1/2	4,074.72	1/2	3,714.85	1/2	3,351.57	1/2	2,988.29	1/2	2,625.00																								
3/4	3/4	3/4	3/4	4,725.00	4,707.93	3/4	4,067.39	3/4	3,707.28	3/4	3,344.00	3/4	2,980.72	3/4	2,617.43																								
6	6	6	6	4,718.34	4,701.12	6	4,060.08	6	3,699.72	6	3,336.43	6	2,973.15	6	2,609.87																								
1/4	1/4	1/4	1/4	4,711.68	4,694.31	1/4	4,052.73	1/4	3,692.15	1/4	3,328.86	1/4	2,965.58	1/4	2,602.30																								
1/2	1/2	1/2	1/2	4,705.14	4,686.48	1/2	4,045.38	1/2	3,684.58	1/2	3,321.30	1/2	2,958.01	1/2	2,594.73																								
3/4	3/4	3/4	3/4	4,698.73	4,678.63	3/4	4,038.01	3/4	3,677.01	3/4	3,313.73	3/4	2,950.44	3/4	2,587.16																								
8	8	8	8	4,692.31	4,673.78	8	4,030.84	8	3,669.44	8	3,306.16	8	2,942.88	8	2,579.59																								
1/4	1/4	1/4	1/4	4,685.90	4,671.87	1/4	4,023.27	1/4	3,661.87	1/4	3,298.59	1/4	2,935.31	1/4	2,572.02																								
1/2	1/2	1/2	1/2	4,679.47	4,665.05	1/2	4,015.88	1/2	3,654.31	1/2	3,291.02	1/2	2,927.74	1/2	2,564.46																								
3/4	3/4	3/4	3/4	4,673.02	4,659.15	3/4	4,008.47	3/4	3,646.74	3/4	3,283.45	3/4	2,920.17	3/4	2,556.89																								
7	7	7	7	4,666.57	4,646.24	7	4,001.07	7	3,639.17	7	3,275.89	7	2,912.60	7	2,549.32																								
1/4	1/4	1/4	1/4	4,660.12	4,640.33	1/4	3,993.66	1/4	3,631.60	1/4	3,268.32	1/4	2,905.03	1/4	2,541.75																								
1/2	1/2	1/2	1/2	4,653.65	4,632.38	1/2	3,986.24	1/2	3,624.03	1/2	3,260.75	1/2	2,897.47	1/2	2,534.18																								
3/4	3/4	3/4	3/4	4,647.16	4,625.40	3/4	3,978.79	3/4	3,616.46	3/4	3,253.18	3/4	2,889.90	3/4	2,526.61																								
8	8	8	8	4,640.67	4,618.41	8	3,971.35	8	3,608.90	8	3,245.61	8	2,882.33	8	2,519.05																								
1/4	1/4	1/4	1/4	4,634.18	4,611.42	1/4	3,963.91	1/4	3,601.33	1/4	3,238.04	1/4	2,874.76	1/4	2,511.48																								
1/2	1/2	1/2	1/2	4,627.68	4,604.41	1/2	3,956.45	1/2	3,593.78	1/2	3,230.48	1/2	2,867.19	1/2	2,503.91																								
3/4	3/4	3/4	3/4	4,621.15	4,597.36	3/4	3,948.97	3/4	3,586.19	3/4	3,222.91	3/4	2,859.62	3/4	2,496.34																								
9	9	9	9	4,614.63	4,590.32	9	3,941.48	9	3,578.62	9	3,215.34	9	2,852.06	9	2,488.77																								
1/4	1/4	1/4	1/4	4,608.11	4,583.28	1/4	3,934.00	1/4	3,571.05	1/4	3,207.77	1/4	2,844.49	1/4	2,481.20																								
1/2	1/2	1/2	1/2	4,601.56	4,576.21	1/2	3,926.51	1/2	3,563.48	1/2	3,200.20	1/2	2,836.92	1/2	2,473.64																								
3/4	3/4	3/4	3/4	4,595.00	4,569.13	3/4	3,918.99	3/4	3,555.92	3/4	3,192.63	3/4	2,829.35	3/4	2,466.07																								
10	10	10	10	4,588.44	4,562.05	10	3,911.47	10	3,548.35	10	3,185.06	10	2,821.78	10	2,458.50																								
1/4	1/4	1/4	1/4	4,581.88	4,554.97	1/4	3,903.95	1/4	3,540.78	1/4	3,177.50	1/4	2,814.21	1/4	2,450.93																								
1/2	1/2	1/2	1/2	4,575.30	4,547.87	1/2	3,896.42	1/2	3,533.21	1/2	3,169.93	1/2	2,806.64	1/2	2,443.36																								
3/4	3/4	3/4	3/4	4,568.70	4,540.75	3/4	3,888.87	3/4	3,525.64	3/4	3,162.36	3/4	2,799.08	3/4	2,435.79																								
11	11	11	11	4,562.11	4,533.63	11	3,881.32	11	3,518.07	11	3,154.79	11	2,791.51	11	2,428.22																								
1/4	1/4	1/4	1/4	4,555.50	4,526.51	1/4	3,873.77	1/4	3,510.51	1/4	3,147.22	1/4	2,783.94	1/4	2,420.66																								
1/2	1/2	1/2	1/2	4,548.89	4,519.37	1/2	3,866.22	1/2	3,502.94	1/2	3,139.65	1/2	2,776.37	1/2	2,413.09																								
3/4	3/4	3/4	3/4	4,542.25	4,512.22	3/4	3,858.65	3/4	3,495.37	3/4	3,132.09	3/4	2,768.80	3/4	2,405.52																								

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 17'-10" OFF CENTERLINE AND 64'-04" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77668
 Http://www.pmaacorp.net





BARGE "KIRBY 28063"

2 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-07 3/8"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N
0	2,397.95	0	2,034.67	0	1,671.37	0	1,311.95	0	949.67	0	586.44	0	223.11	0		0		0			
1/4	2,390.38	1/4	2,027.10	1/4	1,663.80	1/4	1,304.38	1/4	942.13	1/4	578.87	1/4	215.54	1/4		1/4		1/4			
1/2	2,382.81	1/2	2,019.53	1/2	1,656.23	1/2	1,296.81	1/2	934.58	1/2	571.30	1/2	207.97	1/2		1/2		1/2			
3/4	2,375.25	3/4	2,011.96	3/4	1,648.67	3/4	1,289.24	3/4	927.02	3/4	563.73	3/4	200.41	3/4		3/4		3/4			
1	2,367.68	1	2,004.39	1	1,641.10	1	1,281.67	1	919.46	1	556.16	1	192.84	1		1		1			
1 1/4	2,360.11	1 1/4	1,996.82	1 1/4	1,633.53	1 1/4	1,274.11	1 1/4	911.91	1 1/4	548.59	1 1/4	185.27	1 1/4		1 1/4		1 1/4			
1 1/2	2,352.54	1 1/2	1,989.25	1 1/2	1,625.96	1 1/2	1,266.54	1 1/2	904.34	1 1/2	541.02	1 1/2	177.71	1 1/2		1 1/2		1 1/2			
3/2	2,344.97	3/2	1,981.68	3/2	1,618.39	3/2	1,258.97	3/2	896.77	3/2	533.46	3/2	170.15	3/2		3/2		3/2			
2	2,337.40	2	1,974.12	2	1,610.82	2	1,251.40	2	889.21	2	525.89	2	162.59	2		2		2			
2 1/4	2,329.84	2 1/4	1,966.55	2 1/4	1,603.25	2 1/4	1,243.83	2 1/4	881.64	2 1/4	518.32	2 1/4	155.03	2 1/4		2 1/4		2 1/4			
2 1/2	2,322.27	2 1/2	1,958.98	2 1/2	1,595.69	2 1/2	1,236.26	2 1/2	874.07	2 1/2	510.75	2 1/2	147.48	2 1/2		2 1/2		2 1/2			
3/2	2,314.70	3/2	1,951.41	3/2	1,588.12	3/2	1,228.71	3/2	866.50	3/2	503.18	3/2	139.93	3/2		3/2		3/2			
3	2,307.13	3	1,943.84	3	1,580.55	3	1,221.15	3	858.93	3	495.61	3	132.38	3		3		3			
3 1/4	2,299.56	3 1/4	1,936.27	3 1/4	1,572.98	3 1/4	1,213.59	3 1/4	851.36	3 1/4	488.04	3 1/4	124.83	3 1/4		3 1/4		3 1/4			
3 1/2	2,291.99	3 1/2	1,928.70	3 1/2	1,565.41	3 1/2	1,206.05	3 1/2	843.79	3 1/2	480.47	3 1/2	117.30	3 1/2		3 1/2		3 1/2			
4	2,284.43	4	1,921.14	4	1,557.84	4	1,198.50	4	836.22	4	472.90	4	109.77	4		4		4			
4 1/4	2,276.86	4 1/4	1,913.57	4 1/4	1,550.27	4 1/4	1,190.93	4 1/4	828.65	4 1/4	465.33	4 1/4	102.24	4 1/4		4 1/4		4 1/4			
4 1/2	2,269.29	4 1/2	1,906.00	4 1/2	1,542.70	4 1/2	1,183.36	4 1/2	821.09	4 1/2	457.76	4 1/2	94.71	4 1/2		4 1/2		4 1/2			
5	2,261.72	5	1,898.43	5	1,535.13	5	1,175.79	5	813.52	5	450.19	5	87.20	5		5		5			
5 1/4	2,254.15	5 1/4	1,890.86	5 1/4	1,527.56	5 1/4	1,168.22	5 1/4	805.95	5 1/4	442.62	5 1/4	79.71	5 1/4		5 1/4		5 1/4			
5 1/2	2,246.58	5 1/2	1,883.29	5 1/2	1,520.00	5 1/2	1,160.65	5 1/2	798.38	5 1/2	435.05	5 1/2	72.21	5 1/2		5 1/2		5 1/2			
6	2,239.01	6	1,875.72	6	1,512.43	6	1,153.08	6	790.81	6	427.48	6	64.72	6		6		6			
6 1/4	2,231.45	6 1/4	1,868.16	6 1/4	1,504.86	6 1/4	1,145.51	6 1/4	783.24	6 1/4	419.91	6 1/4	57.23	6 1/4		6 1/4		6 1/4			
6 1/2	2,223.88	6 1/2	1,860.59	6 1/2	1,497.29	6 1/2	1,137.94	6 1/2	775.67	6 1/2	412.34	6 1/2	50.64	6 1/2		6 1/2		6 1/2			
7	2,216.31	7	1,853.02	7	1,490.72	7	1,130.37	7	768.10	7	404.76	7	43.75	7		7		7			
7 1/4	2,208.74	7 1/4	1,845.45	7 1/4	1,483.15	7 1/4	1,122.80	7 1/4	760.53	7 1/4	397.21	7 1/4	36.86	7 1/4		7 1/4		7 1/4			
7 1/2	2,201.17	7 1/2	1,837.88	7 1/2	1,475.58	7 1/2	1,115.23	7 1/2	752.97	7 1/2	389.64	7 1/2	30.89	7 1/2		7 1/2		7 1/2			
8	2,193.60	8	1,830.31	8	1,468.01	8	1,107.66	8	745.40	8	382.07	8	25.85	8		8		8			
8 1/4	2,186.04	8 1/4	1,822.74	8 1/4	1,460.44	8 1/4	1,100.09	8 1/4	737.83	8 1/4	374.50	8 1/4	20.80	8 1/4		8 1/4		8 1/4			
8 1/2	2,178.47	8 1/2	1,815.17	8 1/2	1,452.87	8 1/2	1,092.52	8 1/2	730.26	8 1/2	366.93	8 1/2	15.75	8 1/2		8 1/2		8 1/2			
9	2,170.90	9	1,807.60	9	1,445.30	9	1,084.95	9	722.69	9	359.36	9	13.24	9		9		9			
9 1/4	2,163.33	9 1/4	1,800.04	9 1/4	1,437.73	9 1/4	1,077.38	9 1/4	715.12	9 1/4	351.79	9 1/4		9 1/4		9 1/4		9 1/4			
9 1/2	2,155.76	9 1/2	1,792.47	9 1/2	1,430.16	9 1/2	1,070.81	9 1/2	707.55	9 1/2	344.22	9 1/2		9 1/2		9 1/2		9 1/2			
10	2,148.19	10	1,784.90	10	1,422.59	10	1,063.24	10	699.98	10	336.65	10		10		10		10			
10 1/4	2,140.63	10 1/4	1,777.33	10 1/4	1,415.02	10 1/4	1,055.67	10 1/4	692.41	10 1/4	329.08	10 1/4		10 1/4		10 1/4		10 1/4			
10 1/2	2,133.06	10 1/2	1,769.76	10 1/2	1,407.45	10 1/2	1,048.10	10 1/2	684.84	10 1/2	321.51	10 1/2		10 1/2		10 1/2		10 1/2			
11	2,125.49	11	1,762.19	11	1,400.88	11	1,040.53	11	677.28	11	313.94	11		11		11		11			
11 1/4	2,117.92	11 1/4	1,754.62	11 1/4	1,393.31	11 1/4	1,032.96	11 1/4	669.71	11 1/4	306.37	11 1/4		11 1/4		11 1/4		11 1/4			
11 1/2	2,110.35	11 1/2	1,747.05	11 1/2	1,385.74	11 1/2	1,025.39	11 1/2	662.14	11 1/2	298.80	11 1/2		11 1/2		11 1/2		11 1/2			
12	2,102.78	12	1,739.48	12	1,378.17	12	1,017.82	12	654.57	12	291.23	12		12		12		12			
12 1/4	2,095.22	12 1/4	1,731.91	12 1/4	1,370.60	12 1/4	1,010.25	12 1/4	647.00	12 1/4	283.67	12 1/4		12 1/4		12 1/4		12 1/4			
12 1/2	2,087.65	12 1/2	1,724.34	12 1/2	1,363.03	12 1/2	1,002.68	12 1/2	639.43	12 1/2	276.10	12 1/2		12 1/2		12 1/2		12 1/2			
13	2,080.08	13	1,716.77	13	1,355.46	13	995.11	13	631.86	13	268.53	13		13		13		13			
13 1/4	2,072.51	13 1/4	1,709.20	13 1/4	1,347.89	13 1/4	987.54	13 1/4	624.29	13 1/4	260.96	13 1/4		13 1/4		13 1/4		13 1/4			
13 1/2	2,064.94	13 1/2	1,701.63	13 1/2	1,340.32	13 1/2	979.97	13 1/2	616.72	13 1/2	253.39	13 1/2		13 1/2		13 1/2		13 1/2			
14	2,057.37	14	1,694.06	14	1,332.75	14	972.40	14	609.15	14	245.82	14		14		14		14			
14 1/4	2,049.80	14 1/4	1,686.49	14 1/4	1,325.18	14 1/4	964.83	14 1/4	601.58	14 1/4	238.25	14 1/4		14 1/4		14 1/4		14 1/4			
14 1/2	2,042.24	14 1/2	1,678.92	14 1/2	1,317.61	14 1/2	957.26	14 1/2	594.01	14 1/2	230.68	14 1/2		14 1/2		14 1/2		14 1/2			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 28063"

3 PORT ULLAGE TABLE

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

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N
0	0	0	0	4,208.85	0	4,208.85	0	3,948.00	0	3,948.00	0	3,673.47	0	3,392.71	0	3,031.48	0	2,668.12	0
1/4	1/4	1/4	1/4	4,203.38	1/4	4,203.38	1/4	3,942.00	1/4	3,942.00	1/4	3,667.64	1/4	3,386.00	1/4	3,023.91	1/4	2,660.55	1/4
1/2	1/2	1/2	1/2	4,198.07	1/2	4,198.07	1/2	3,936.78	1/2	3,936.78	1/2	3,661.81	1/2	3,379.29	1/2	3,016.34	1/2	2,652.98	1/2
3/4	3/4	3/4	3/4	4,192.79	3/4	4,192.79	3/4	3,931.18	3/4	3,931.18	3/4	3,656.88	3/4	3,373.88	3/4	3,008.77	3/4	2,645.41	3/4
1	1	1	1	4,187.48	1	4,187.48	1	3,925.85	1	3,925.85	1	3,650.15	1	3,364.99	1	3,001.20	1	2,637.84	1
1 1/4	1 1/4	1 1/4	1 1/4	4,182.17	1 1/4	4,182.17	1 1/4	3,919.92	1 1/4	3,919.92	1 1/4	3,644.32	1 1/4	3,357.40	1 1/4	2,993.83	1 1/4	2,630.27	1 1/4
1 1/2	1 1/2	1 1/2	1 1/2	4,176.87	1 1/2	4,176.87	1 1/2	3,914.29	1 1/2	3,914.29	1 1/2	3,638.49	1 1/2	3,349.81	1 1/2	2,986.06	1 1/2	2,622.70	1 1/2
1 3/4	1 3/4	1 3/4	1 3/4	4,171.56	1 3/4	4,171.56	1 3/4	3,908.86	1 3/4	3,908.86	1 3/4	3,632.66	1 3/4	3,342.22	1 3/4	2,978.49	1 3/4	2,615.13	1 3/4
2	2	2	2	4,166.23	2	4,166.23	2	3,903.01	2	3,903.01	2	3,626.83	2	3,334.63	2	2,970.92	2	2,607.56	2
2 1/4	2 1/4	2 1/4	2 1/4	4,160.91	2 1/4	4,160.91	2 1/4	3,897.36	2 1/4	3,897.36	2 1/4	3,621.00	2 1/4	3,327.04	2 1/4	2,963.35	2 1/4	2,599.99	2 1/4
2 1/2	2 1/2	2 1/2	2 1/2	4,155.58	2 1/2	4,155.58	2 1/2	3,891.72	2 1/2	3,891.72	2 1/2	3,615.17	2 1/2	3,319.45	2 1/2	2,955.78	2 1/2	2,592.42	2 1/2
2 3/4	2 3/4	2 3/4	2 3/4	4,150.26	2 3/4	4,150.26	2 3/4	3,886.07	2 3/4	3,886.07	2 3/4	3,609.33	2 3/4	3,311.86	2 3/4	2,948.21	2 3/4	2,584.85	2 3/4
3	3	3	3	4,144.91	3	4,144.91	3	3,880.40	3	3,880.40	3	3,603.50	3	3,304.27	3	2,940.64	3	2,577.28	3
3 1/4	3 1/4	3 1/4	3 1/4	4,139.57	3 1/4	4,139.57	3 1/4	3,874.73	3 1/4	3,874.73	3 1/4	3,597.67	3 1/4	3,296.68	3 1/4	2,933.07	3 1/4	2,569.71	3 1/4
3 1/2	3 1/2	3 1/2	3 1/2	4,134.22	3 1/2	4,134.22	3 1/2	3,869.07	3 1/2	3,869.07	3 1/2	3,591.84	3 1/2	3,289.09	3 1/2	2,925.50	3 1/2	2,562.14	3 1/2
3 3/4	3 3/4	3 3/4	3 3/4	4,128.88	3 3/4	4,128.88	3 3/4	3,863.40	3 3/4	3,863.40	3 3/4	3,586.01	3 3/4	3,281.50	3 3/4	2,917.93	3 3/4	2,554.57	3 3/4
4	4	4	4	4,123.51	4	4,123.51	4	3,857.71	4	3,857.71	4	3,580.18	4	3,273.91	4	2,910.36	4	2,547.00	4
4 1/4	4 1/4	4 1/4	4 1/4	4,118.16	4 1/4	4,118.16	4 1/4	3,852.03	4 1/4	3,852.03	4 1/4	3,574.35	4 1/4	3,266.32	4 1/4	2,902.79	4 1/4	2,539.43	4 1/4
4 1/2	4 1/2	4 1/2	4 1/2	4,112.78	4 1/2	4,112.78	4 1/2	3,846.34	4 1/2	3,846.34	4 1/2	3,568.52	4 1/2	3,258.73	4 1/2	2,895.22	4 1/2	2,531.86	4 1/2
4 3/4	4 3/4	4 3/4	4 3/4	4,107.42	4 3/4	4,107.42	4 3/4	3,840.66	4 3/4	3,840.66	4 3/4	3,562.69	4 3/4	3,251.14	4 3/4	2,887.65	4 3/4	2,524.28	4 3/4
5	5	5	5	4,102.03	5	4,102.03	5	3,834.96	5	3,834.96	5	3,556.86	5	3,243.55	5	2,880.08	5	2,516.71	5
5 1/4	5 1/4	5 1/4	5 1/4	4,096.65	5 1/4	4,096.65	5 1/4	3,829.25	5 1/4	3,829.25	5 1/4	3,551.03	5 1/4	3,235.96	5 1/4	2,872.51	5 1/4	2,509.14	5 1/4
5 1/2	5 1/2	5 1/2	5 1/2	4,091.26	5 1/2	4,091.26	5 1/2	3,823.55	5 1/2	3,823.55	5 1/2	3,545.20	5 1/2	3,228.37	5 1/2	2,864.94	5 1/2	2,501.57	5 1/2
5 3/4	5 3/4	5 3/4	5 3/4	4,085.86	5 3/4	4,085.86	5 3/4	3,817.84	5 3/4	3,817.84	5 3/4	3,539.36	5 3/4	3,220.78	5 3/4	2,857.37	5 3/4	2,494.00	5 3/4
6	6	6	6	4,080.47	6	4,080.47	6	3,812.12	6	3,812.12	6	3,533.53	6	3,213.20	6	2,849.80	6	2,486.43	6
6 1/4	6 1/4	6 1/4	6 1/4	4,075.07	6 1/4	4,075.07	6 1/4	3,806.40	6 1/4	3,806.40	6 1/4	3,527.70	6 1/4	3,205.62	6 1/4	2,842.23	6 1/4	2,478.86	6 1/4
6 1/2	6 1/2	6 1/2	6 1/2	4,069.66	6 1/2	4,069.66	6 1/2	3,800.67	6 1/2	3,800.67	6 1/2	3,521.87	6 1/2	3,198.04	6 1/2	2,834.66	6 1/2	2,471.29	6 1/2
6 3/4	6 3/4	6 3/4	6 3/4	4,064.26	6 3/4	4,064.26	6 3/4	3,794.95	6 3/4	3,794.95	6 3/4	3,516.04	6 3/4	3,190.45	6 3/4	2,827.09	6 3/4	2,463.72	6 3/4
7	7	7	7	4,058.81	7	4,058.81	7	3,789.21	7	3,789.21	7	3,510.21	7	3,182.88	7	2,819.52	7	2,456.15	7
7 1/4	7 1/4	7 1/4	7 1/4	4,053.37	7 1/4	4,053.37	7 1/4	3,783.46	7 1/4	3,783.46	7 1/4	3,504.38	7 1/4	3,175.31	7 1/4	2,811.95	7 1/4	2,448.58	7 1/4
7 1/2	7 1/2	7 1/2	7 1/2	4,047.92	7 1/2	4,047.92	7 1/2	3,777.72	7 1/2	3,777.72	7 1/2	3,498.55	7 1/2	3,167.74	7 1/2	2,804.38	7 1/2	2,441.01	7 1/2
7 3/4	7 3/4	7 3/4	7 3/4	4,042.48	7 3/4	4,042.48	7 3/4	3,771.97	7 3/4	3,771.97	7 3/4	3,492.72	7 3/4	3,160.17	7 3/4	2,796.81	7 3/4	2,433.44	7 3/4
8	8	8	8	4,036.97	8	4,036.97	8	3,766.21	8	3,766.21	8	3,486.89	8	3,152.60	8	2,789.24	8	2,425.87	8
8 1/4	8 1/4	8 1/4	8 1/4	4,031.46	8 1/4	4,031.46	8 1/4	3,760.45	8 1/4	3,760.45	8 1/4	3,481.06	8 1/4	3,145.03	8 1/4	2,781.67	8 1/4	2,418.30	8 1/4
8 1/2	8 1/2	8 1/2	8 1/2	4,025.95	8 1/2	4,025.95	8 1/2	3,754.68	8 1/2	3,754.68	8 1/2	3,475.23	8 1/2	3,137.46	8 1/2	2,774.10	8 1/2	2,410.73	8 1/2
8 3/4	8 3/4	8 3/4	8 3/4	4,020.44	8 3/4	4,020.44	8 3/4	3,748.92	8 3/4	3,748.92	8 3/4	3,469.40	8 3/4	3,129.89	8 3/4	2,766.53	8 3/4	2,403.16	8 3/4
9	9	9	9	4,014.89	9	4,014.89	9	3,743.14	9	3,743.14	9	3,463.56	9	3,122.32	9	2,758.96	9	2,395.59	9
9 1/4	9 1/4	9 1/4	9 1/4	4,009.34	9 1/4	4,009.34	9 1/4	3,737.35	9 1/4	3,737.35	9 1/4	3,457.73	9 1/4	3,114.75	9 1/4	2,751.39	9 1/4	2,388.02	9 1/4
9 1/2	9 1/2	9 1/2	9 1/2	4,003.80	9 1/2	4,003.80	9 1/2	3,731.57	9 1/2	3,731.57	9 1/2	3,451.90	9 1/2	3,107.18	9 1/2	2,743.82	9 1/2	2,380.45	9 1/2
9 3/4	9 3/4	9 3/4	9 3/4	3,998.25	9 3/4	3,998.25	9 3/4	3,725.79	9 3/4	3,725.79	9 3/4	3,446.07	9 3/4	3,099.61	9 3/4	2,736.25	9 3/4	2,372.88	9 3/4
10	10	10	10	3,992.68	10	3,992.68	10	3,719.98	10	3,719.98	10	3,440.24	10	3,092.04	10	2,728.68	10	2,365.31	10
10 1/4	10 1/4	10 1/4	10 1/4	3,987.11	10 1/4	3,987.11	10 1/4	3,714.18	10 1/4	3,714.18	10 1/4	3,434.41	10 1/4	3,084.47	10 1/4	2,721.11	10 1/4	2,357.74	10 1/4
10 1/2	10 1/2	10 1/2	10 1/2	3,981.54	10 1/2	3,981.54	10 1/2	3,708.38	10 1/2	3,708.38	10 1/2	3,428.58	10 1/2	3,076.90	10 1/2	2,713.54	10 1/2	2,350.17	10 1/2
10 3/4	10 3/4	10 3/4	10 3/4	3,975.97	10 3/4	3,975.97	10 3/4	3,702.57	10 3/4	3,702.57	10 3/4	3,422.75	10 3/4	3,069.33	10 3/4	2,705.97	10 3/4	2,342.60	10 3/4
11	11	11	11	3,970.38	11	3,970.38	11	3,696.75	11	3,696.75	11	3,416.92	11	3,061.76	11	2,698.40	11	2,335.03	11
11 1/4	11 1/4	11 1/4	11 1/4	3,964.79	11 1/4	3,964.79	11 1/4	3,690.93	11 1/4	3,690.93	11 1/4	3,411.09	11 1/4	3,054.19	11 1/4	2,690.83	11 1/4	2,327.46	11 1/4
11 1/2	11 1/2	11 1/2	11 1/2	3,959.20	11 1/2	3,959.20	11 1/2	3,685.11	11 1/2	3,685.11	11 1/2	3,405.26	11 1/2	3,046.62	11 1/2	2,683.26	11 1/2	2,319.89	11 1/2
11 3/4	11 3/4	11 3/4	11 3/4	3,953.61	11 3/4	3,953.61	11 3/4	3,679.29	11 3/4	3,679.29	11 3/4	3,399.43	11 3/4	3,039.05	11 3/4	2,675.69	11 3/4	2,312.32	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 17'-10" OFF CENTERLINE AND 84'-06" FORWARD OF AFT BULKHEAD.

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

Eric Johnson



BARGE "KIRBY 28063"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS GAUGE HEIGHT 16'-05 3/4" 19 FT.

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	2,304.75	0	1,941.39	0	1,578.03	0	1,214.67	0	851.31	0
1/4	2,297.18	1/4	1,933.82	1/4	1,570.53	1/4	1,211.68	1/4	850.93	1/4
1/2	2,289.61	1/2	1,926.24	1/2	1,562.99	1/2	1,204.12	1/2	849.34	1/2
3/4	2,282.04	3/4	1,918.67	3/4	1,555.44	3/4	1,196.57	3/4	847.75	3/4
1	2,274.47	1	1,911.10	1	1,547.89	1	1,189.01	1	846.16	1
1 1/4	2,266.90	1 1/4	1,903.53	1 1/4	1,540.35	1 1/4	1,181.46	1 1/4	844.57	1 1/4
1 1/2	2,259.33	1 1/2	1,895.96	1 1/2	1,532.80	1 1/2	1,173.90	1 1/2	842.97	1 1/2
3/4	2,251.76	3/4	1,888.39	3/4	1,525.25	3/4	1,166.35	3/4	841.38	3/4
2	2,244.19	2	1,880.82	2	1,517.71	2	1,158.80	2	839.79	2
1 1/4	2,236.62	1 1/4	1,873.25	1 1/4	1,510.16	1 1/4	1,151.25	1 1/4	838.20	1 1/4
1 1/2	2,229.05	1 1/2	1,865.68	1 1/2	1,502.61	1 1/2	1,143.70	1 1/2	836.61	1 1/2
3/4	2,221.48	3/4	1,858.11	3/4	1,495.06	3/4	1,136.15	3/4	835.02	3/4
3	2,213.91	3	1,850.54	3	1,487.52	3	1,128.60	3	833.43	3
1 1/4	2,206.34	1 1/4	1,842.97	1 1/4	1,479.97	1 1/4	1,121.05	1 1/4	831.84	1 1/4
1 1/2	2,198.77	1 1/2	1,835.40	1 1/2	1,472.42	1 1/2	1,113.50	1 1/2	830.25	1 1/2
3/4	2,191.20	3/4	1,827.83	3/4	1,464.88	3/4	1,105.95	3/4	828.66	3/4
4	2,183.63	4	1,820.26	4	1,457.34	4	1,098.40	4	827.07	4
1 1/4	2,176.06	1 1/4	1,812.69	1 1/4	1,449.79	1 1/4	1,090.85	1 1/4	825.48	1 1/4
1 1/2	2,168.49	1 1/2	1,805.12	1 1/2	1,442.24	1 1/2	1,083.30	1 1/2	823.89	1 1/2
3/4	2,160.92	3/4	1,797.55	3/4	1,434.69	3/4	1,075.75	3/4	822.30	3/4
5	2,153.35	5	1,789.98	5	1,427.12	5	1,068.20	5	820.71	5
1 1/4	2,145.78	1 1/4	1,782.41	1 1/4	1,420.22	1 1/4	1,063.18	1 1/4	819.12	1 1/4
1 1/2	2,138.21	1 1/2	1,774.84	1 1/2	1,412.82	1 1/2	1,056.84	1 1/2	817.53	1 1/2
3/4	2,130.64	3/4	1,767.27	3/4	1,405.43	3/4	1,050.50	3/4	815.94	3/4
6	2,123.07	6	1,759.70	6	1,398.02	6	1,044.16	6	814.35	6
1 1/4	2,115.50	1 1/4	1,752.13	1 1/4	1,390.61	1 1/4	1,038.84	1 1/4	812.76	1 1/4
1 1/2	2,107.93	1 1/2	1,744.56	1 1/2	1,383.20	1 1/2	1,032.51	1 1/2	811.17	1 1/2
3/4	2,100.36	3/4	1,736.99	3/4	1,375.79	3/4	1,026.18	3/4	809.58	3/4
7	2,092.79	7	1,729.42	7	1,368.38	7	1,019.84	7	807.99	7
1 1/4	2,085.22	1 1/4	1,721.85	1 1/4	1,360.97	1 1/4	1,014.51	1 1/4	806.40	1 1/4
1 1/2	2,077.65	1 1/2	1,714.28	1 1/2	1,353.56	1 1/2	1,008.18	1 1/2	804.81	1 1/2
3/4	2,070.08	3/4	1,706.71	3/4	1,346.15	3/4	1,001.84	3/4	803.22	3/4
8	2,062.51	8	1,699.14	8	1,338.74	8	995.51	8	801.63	8
1 1/4	2,054.94	1 1/4	1,691.56	1 1/4	1,331.33	1 1/4	989.18	1 1/4	800.04	1 1/4
1 1/2	2,047.37	1 1/2	1,683.99	1 1/2	1,323.92	1 1/2	982.84	1 1/2	798.45	1 1/2
3/4	2,039.80	3/4	1,676.42	3/4	1,316.51	3/4	976.51	3/4	796.86	3/4
9	2,032.23	9	1,668.85	9	1,309.11	9	970.17	9	795.27	9
1 1/4	2,024.66	1 1/4	1,661.28	1 1/4	1,301.71	1 1/4	963.82	1 1/4	793.68	1 1/4
1 1/2	2,017.09	1 1/2	1,653.71	1 1/2	1,294.31	1 1/2	957.48	1 1/2	792.09	1 1/2
3/4	2,009.52	3/4	1,646.14	3/4	1,286.91	3/4	951.14	3/4	790.50	3/4
10	2,001.95	10	1,638.57	10	1,279.43	10	944.79	10	788.91	10
1 1/4	1,994.38	1 1/4	1,631.00	1 1/4	1,271.96	1 1/4	938.45	1 1/4	787.32	1 1/4
1 1/2	1,986.81	1 1/2	1,623.43	1 1/2	1,264.48	1 1/2	932.10	1 1/2	785.73	1 1/2
3/4	1,979.24	3/4	1,615.86	3/4	1,257.01	3/4	925.76	3/4	784.14	3/4
11	1,971.67	11	1,608.30	11	1,249.45	11	919.41	11	782.55	11
1 1/4	1,964.10	1 1/4	1,600.74	1 1/4	1,241.88	1 1/4	913.06	1 1/4	780.96	1 1/4
1 1/2	1,956.53	1 1/2	1,593.19	1 1/2	1,234.34	1 1/2	906.71	1 1/2	779.37	1 1/2
3/4	1,948.96	3/4	1,585.63	3/4	1,226.79	3/4	900.37	3/4	777.78	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/27/2004 CL - SW
 CALCULATED: 04/27/2004 CL
 PRINTED: 04/27/2004 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2004

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2892
 Pearland, Texas 77644
 http://www.pmacorp.net



BARGE "KIRBY 28063"

3 STBD

ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	B	N	B	N	B	N	B	N	B	N	B	N	B	N	B	N	B	N	B
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMs CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE PORT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 64'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77688
Http://www.pmsacorp.net



BARGE "KIRBY 28063"

ULLAGE TABLE

3 STBD

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

GAUGE HEIGHT 16'-05 3/4"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.
0	2,325.24	1,960.91	1,596.57	1,232.23	867.89	503.55	144.46	0	0
1/4	2,317.65	1,953.32	1,588.98	1,228.52	865.18	500.93	137.19	1/4	1/4
1/2	2,310.06	1,945.73	1,581.39	1,224.81	862.51	498.30	129.91	1/2	1/2
3/4	2,302.47	1,938.14	1,573.80	1,221.10	859.84	495.67	122.64	3/4	3/4
1	2,294.88	1,930.55	1,566.21	1,217.39	857.17	493.04	115.37	1	1
1 1/4	2,287.29	1,922.96	1,558.62	1,213.68	854.50	490.41	108.10	1 1/4	1 1/4
1 1/2	2,279.70	1,915.37	1,551.03	1,209.97	851.83	487.78	100.83	1 1/2	1 1/2
3/4	2,272.10	1,907.77	1,543.44	1,206.26	849.16	485.15	93.56	3/4	3/4
2	2,264.51	1,900.18	1,535.85	1,202.55	846.49	482.52	86.29	2	2
1 1/4	2,256.92	1,892.59	1,528.26	1,198.84	843.82	480.00	79.02	1 1/4	1 1/4
1 1/2	2,249.33	1,885.00	1,520.67	1,195.13	841.15	477.37	71.75	1 1/2	1 1/2
3/4	2,241.74	1,877.41	1,513.08	1,191.42	838.48	474.74	64.48	3/4	3/4
3	2,234.15	1,869.82	1,505.49	1,187.71	835.81	472.11	57.21	3	3
1 1/4	2,226.56	1,862.23	1,497.90	1,184.00	833.14	469.48	50.00	1 1/4	1 1/4
1 1/2	2,218.97	1,854.64	1,490.31	1,180.29	830.47	466.85	42.73	1 1/2	1 1/2
3/4	2,211.38	1,847.05	1,482.72	1,176.58	827.80	464.22	35.46	3/4	3/4
4	2,203.79	1,839.46	1,475.13	1,172.87	825.13	461.60	28.19	4	4
1 1/4	2,196.20	1,831.87	1,467.54	1,169.16	822.46	458.97	20.92	1 1/4	1 1/4
1 1/2	2,188.61	1,824.28	1,460.00	1,165.45	819.79	456.34	13.65	1 1/2	1 1/2
3/4	2,181.02	1,816.69	1,452.41	1,161.74	817.12	453.71	6.38	3/4	3/4
5	2,173.43	1,809.10	1,444.82	1,158.03	814.45	451.08	0.00	5	5
1 1/4	2,165.84	1,801.51	1,437.23	1,154.32	811.78	448.45	0.00	1 1/4	1 1/4
1 1/2	2,158.25	1,793.92	1,430.00	1,150.61	809.11	445.82	0.00	1 1/2	1 1/2
3/4	2,150.66	1,786.33	1,422.37	1,146.90	806.44	443.19	0.00	3/4	3/4
6	2,143.07	1,778.74	1,414.78	1,143.19	803.77	440.56	0.00	6	6
1 1/4	2,135.48	1,771.15	1,407.19	1,139.48	801.10	437.93	0.00	1 1/4	1 1/4
1 1/2	2,127.89	1,763.56	1,400.00	1,135.77	798.43	435.30	0.00	1 1/2	1 1/2
3/4	2,120.30	1,755.97	1,392.37	1,132.06	795.76	432.67	0.00	3/4	3/4
7	2,112.71	1,748.38	1,384.78	1,128.35	793.09	430.04	0.00	7	7
1 1/4	2,105.12	1,740.79	1,377.19	1,124.64	790.42	427.41	0.00	1 1/4	1 1/4
1 1/2	2,097.53	1,733.20	1,370.00	1,120.93	787.75	424.78	0.00	1 1/2	1 1/2
3/4	2,089.94	1,725.61	1,362.37	1,117.22	785.08	422.15	0.00	3/4	3/4
8	2,082.35	1,718.02	1,354.78	1,113.51	782.41	419.52	0.00	8	8
1 1/4	2,074.76	1,710.43	1,347.19	1,109.80	779.74	416.89	0.00	1 1/4	1 1/4
1 1/2	2,067.17	1,702.84	1,340.00	1,106.09	777.07	414.26	0.00	1 1/2	1 1/2
3/4	2,059.58	1,695.25	1,332.37	1,102.38	774.40	411.63	0.00	3/4	3/4
9	2,051.99	1,687.66	1,324.78	1,098.67	771.73	408.96	0.00	9	9
1 1/4	2,044.40	1,680.07	1,317.19	1,094.96	769.06	406.33	0.00	1 1/4	1 1/4
1 1/2	2,036.81	1,672.48	1,310.00	1,091.25	766.39	403.70	0.00	1 1/2	1 1/2
3/4	2,029.22	1,664.89	1,302.37	1,087.54	763.72	401.07	0.00	3/4	3/4
10	2,021.63	1,657.30	1,294.78	1,083.83	761.05	398.44	0.00	10	10
1 1/4	2,014.04	1,649.71	1,287.19	1,080.12	758.38	395.81	0.00	1 1/4	1 1/4
1 1/2	2,006.45	1,642.12	1,280.00	1,076.41	755.71	393.18	0.00	1 1/2	1 1/2
3/4	1,998.86	1,634.53	1,272.37	1,072.70	753.04	390.55	0.00	3/4	3/4
11	1,991.27	1,626.94	1,264.78	1,069.00	750.37	387.92	0.00	11	11
1 1/4	1,983.68	1,619.35	1,257.19	1,065.29	747.70	385.29	0.00	1 1/4	1 1/4
1 1/2	1,976.09	1,611.76	1,250.00	1,061.58	745.03	382.66	0.00	1 1/2	1 1/2
3/4	1,968.50	1,604.17	1,242.37	1,057.87	742.36	380.03	0.00	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/22/2004 CL - RW
 CALCULATED: 04/23/2004 CL
 PRINTED: 04/23/2004 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2004

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