



BARGE "KIRBY 11021B"

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 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
3 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-0/8	- 01-0/8

(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 CENTER IS - 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 183'-00"

June 15, 2010

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

<http://www.pmacorp.net>



BARGE "KIRBY 11021B"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	4,111.37	0	3,822.98	0	3,515.05	0	3,207.13	0	2,898.73	0	2,589.40	0	2,280.07		
1/4		1/4		1/4		1/4	4,108.14	1/4	3,816.56	1/4	3,508.64	1/4	3,200.71	1/4	2,892.29	1/4	2,582.96	1/4	2,273.62		
1/2		1/2		1/2		1/2	4,104.92	1/2	3,810.14	1/2	3,502.22	1/2	3,194.30	1/2	2,885.84	1/2	2,576.51	1/2	2,267.18		
3/4		3/4		3/4		3/4	4,101.70	3/4	3,803.73	3/4	3,495.80	3/4	3,187.88	3/4	2,879.40	3/4	2,570.07	3/4	2,260.74		
1		1		1		1	4,098.47	1	3,797.31	1	3,489.39	1	3,181.46	1	2,872.95	1	2,563.62	1	2,254.29		
1/4		1/4		1/4		1/4	4,093.10	1/4	3,790.90	1/4	3,482.97	1/4	3,175.05	1/4	2,866.51	1/4	2,557.18	1/4	2,247.85		
1/2		1/2		1/2		1/2	4,087.73	1/2	3,784.48	1/2	3,476.56	1/2	3,168.63	1/2	2,860.07	1/2	2,550.73	1/2	2,241.40		
3/4		3/4		3/4		3/4	4,082.36	3/4	3,778.07	3/4	3,470.14	3/4	3,162.22	3/4	2,853.62	3/4	2,544.29	3/4	2,234.96		
2		2		2		2	4,076.99	2	3,771.65	2	3,463.73	2	3,155.80	2	2,847.18	2	2,537.85	2	2,228.51		
1/4		1/4		1/4		1/4	4,070.72	1/4	3,765.24	1/4	3,457.31	1/4	3,149.39	1/4	2,840.73	1/4	2,531.40	1/4	2,222.07		
1/2		1/2		1/2		1/2	4,064.45	1/2	3,758.82	1/2	3,450.90	1/2	3,142.97	1/2	2,834.29	1/2	2,524.96	1/2	2,215.63		
3/4		3/4		3/4		3/4	4,058.19	3/4	3,752.41	3/4	3,444.48	3/4	3,136.56	3/4	2,827.84	3/4	2,518.51	3/4	2,209.18		
3		3		3		3	4,051.92	3	3,745.99	3	3,438.07	3	3,130.14	3	2,821.40	3	2,512.07	3	2,202.74		
1/4		1/4		1/4		1/4	4,045.61	1/4	3,739.58	1/4	3,431.65	1/4	3,123.73	1/4	2,814.95	1/4	2,505.62	1/4	2,196.29		
1/2		1/2		1/2		1/2	4,039.31	1/2	3,733.16	1/2	3,425.24	1/2	3,117.31	1/2	2,808.51	1/2	2,499.18	1/2	2,189.85		
3/4		3/4		3/4		3/4	4,033.00	3/4	3,726.75	3/4	3,418.82	3/4	3,110.90	3/4	2,802.07	3/4	2,492.73	3/4	2,183.40		
4		4		4		4	4,026.70	4	3,720.33	4	3,412.41	4	3,104.48	4	2,795.62	4	2,486.29	4	2,176.96		
1/4		1/4		1/4		1/4	4,020.38	1/4	3,713.92	1/4	3,405.99	1/4	3,098.07	1/4	2,789.18	1/4	2,479.85	1/4	2,170.51		
1/2		1/2		1/2		1/2	4,014.06	1/2	3,707.50	1/2	3,399.58	1/2	3,091.65	1/2	2,782.73	1/2	2,473.40	1/2	2,164.07		
3/4		3/4		3/4		3/4	4,007.74	3/4	3,701.09	3/4	3,393.16	3/4	3,085.24	3/4	2,776.29	3/4	2,466.96	3/4	2,157.63		
5		5		5		5	4,001.42	5	3,694.67	5	3,386.75	5	3,078.82	5	2,769.84	5	2,460.51	5	2,151.18		
1/4		1/4		1/4		1/4	3,995.10	1/4	3,688.26	1/4	3,380.33	1/4	3,072.41	1/4	2,763.40	1/4	2,454.07	1/4	2,144.74		
1/2		1/2		1/2		1/2	3,988.78	1/2	3,681.84	1/2	3,373.92	1/2	3,065.99	1/2	2,756.95	1/2	2,447.62	1/2	2,138.29		
3/4		3/4		3/4		3/4	3,982.47	3/4	3,675.43	3/4	3,367.50	3/4	3,059.58	3/4	2,750.51	3/4	2,441.18	3/4	2,131.85		
6		6		6		6	3,976.15	6	3,669.01	6	3,361.09	6	3,053.16	6	2,744.07	6	2,434.73	6	2,125.40		
1/4		1/4		1/4		1/4	3,969.83	1/4	3,662.60	1/4	3,354.67	1/4	3,046.75	1/4	2,737.62	1/4	2,428.29	1/4	2,118.96		
1/2		1/2		1/2		1/2	3,963.51	1/2	3,656.18	1/2	3,348.26	1/2	3,040.33	1/2	2,731.18	1/2	2,421.85	1/2	2,112.51		
3/4		3/4		3/4		3/4	3,957.20	3/4	3,649.77	3/4	3,341.84	3/4	3,033.92	3/4	2,724.73	3/4	2,415.40	3/4	2,106.07		
7		7		7		7	3,950.88	7	3,643.35	7	3,335.43	7	3,027.50	7	2,718.29	7	2,408.96	7	2,099.63		
1/4		1/4		1/4		1/4	3,944.56	1/4	3,636.94	1/4	3,329.01	1/4	3,021.09	1/4	2,711.84	1/4	2,402.51	1/4	2,093.18		
1/2		1/2		1/2		1/2	3,938.25	1/2	3,630.52	1/2	3,322.60	1/2	3,014.67	1/2	2,705.40	1/2	2,396.07	1/2	2,086.74		
3/4		3/4		3/4		3/4	3,931.93	3/4	3,624.11	3/4	3,316.18	3/4	3,008.26	3/4	2,698.96	3/4	2,389.62	3/4	2,080.29		
8		8		8		8	3,925.62	8	3,617.69	8	3,309.77	8	3,001.84	8	2,692.51	8	2,383.18	8	2,073.85		
1/4		1/4		1/4		1/4	3,919.20	1/4	3,611.28	1/4	3,303.35	1/4	2,995.40	1/4	2,686.07	1/4	2,376.74	1/4	2,067.40		
1/2		1/2		1/2		1/2	3,912.79	1/2	3,604.86	1/2	3,296.94	1/2	2,988.95	1/2	2,679.62	1/2	2,370.29	1/2	2,060.96		
3/4		3/4		3/4		3/4	3,906.37	3/4	3,598.45	3/4	3,290.52	3/4	2,982.51	3/4	2,673.18	3/4	2,363.85	3/4	2,054.52		
9		9		9		9	3,899.96	9	3,592.03	9	3,284.11	9	2,976.06	9	2,666.73	9	2,357.40	9	2,048.07		
1/4		1/4		1/4		1/4	3,893.54	1/4	3,585.62	1/4	3,277.69	1/4	2,969.62	1/4	2,660.29	1/4	2,350.96	1/4	2,041.63		
1/2		1/2		1/2		1/2	3,887.13	1/2	3,579.20	1/2	3,271.28	1/2	2,963.18	1/2	2,653.84	1/2	2,344.51	1/2	2,035.18		
3/4		3/4		3/4		3/4	3,880.71	3/4	3,572.79	3/4	3,264.86	3/4	2,956.73	3/4	2,647.40	3/4	2,338.07	3/4	2,028.74		
10		10		10		10	3,874.30	10	3,566.37	10	3,258.45	10	2,950.29	10	2,640.96	10	2,331.62	10	2,022.29		
1/4		1/4		1/4		1/4	3,867.88	1/4	3,559.96	1/4	3,252.03	1/4	2,943.84	1/4	2,634.51	1/4	2,325.18	1/4	2,015.85		
1/2		1/2		1/2		1/2	3,861.47	1/2	3,553.54	1/2	3,245.62	1/2	2,937.40	1/2	2,628.07	1/2	2,318.74	1/2	2,009.40		
3/4		3/4		3/4		3/4	3,855.05	3/4	3,547.13	3/4	3,239.20	3/4	2,930.95	3/4	2,621.62	3/4	2,312.29	3/4	2,002.96		
11		11		11		11	3,848.64	11	3,540.71	11	3,232.79	11	2,924.51	11	2,615.18	11	2,305.85	11	1,996.52		
1/4		1/4		1/4		1/4	3,842.22	1/4	3,534.30	1/4	3,226.37	1/4	2,918.06	1/4	2,608.73	1/4	2,299.40	1/4	1,990.07		
1/2		1/2		1/2		1/2	4,113.52	1/2	3,835.81	1/2	3,527.88	1/2	3,219.96	1/2	2,911.62	1/2	2,602.29	1/2	2,292.96	1/2	1,983.63
3/4		3/4		3/4		3/4	4,112.44	3/4	3,829.39	3/4	3,521.47	3/4	3,213.54	3/4	2,905.18	3/4	2,286.51	3/4	1,977.18		

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 ON CENTERLINE AND 32'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 11021B"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,970.74	0	1,661.41	0	1,351.91	0	1,043.28	0	734.55	0	425.07	0	115.70	0		0		0	
1/4	1,964.29	1/4	1,654.96	1/4	1,345.46	1/4	1,036.87	1/4	728.10	1/4	418.63	1/4	109.29	1/4	1/4		1/4		1/4
1/2	1,957.85	1/2	1,648.51	1/2	1,339.01	1/2	1,030.46	1/2	721.66	1/2	412.18	1/2	102.89	1/2	1/2		1/2		1/2
3/4	1,951.41	3/4	1,642.06	3/4	1,332.56	3/4	1,024.05	3/4	715.21	3/4	405.73	3/4	96.48	3/4	3/4		3/4		3/4
1	1,944.96	1	1,635.62	1	1,326.12	1	1,017.64	1	708.76	1	399.28	1	90.07	1	1		1		1
1/4	1,938.52	1/4	1,629.17	1/4	1,319.67	1/4	1,011.23	1/4	702.32	1/4	392.84	1/4	83.70	1/4	1/4		1/4		1/4
1/2	1,932.07	1/2	1,622.72	1/2	1,313.22	1/2	1,004.82	1/2	695.87	1/2	386.39	1/2	77.33	1/2	1/2		1/2		1/2
3/4	1,925.63	3/4	1,616.27	3/4	1,306.77	3/4	998.40	3/4	689.42	3/4	379.94	3/4	70.96	3/4	3/4		3/4		3/4
2	1,919.18	2	1,609.82	2	1,300.32	2	991.99	2	682.97	2	373.49	2	64.58	2	2		2		2
1/4	1,912.74	1/4	1,603.38	1/4	1,293.88	1/4	985.58	1/4	676.53	1/4	367.05	1/4	58.27	1/4	1/4		1/4		1/4
1/2	1,906.29	1/2	1,596.93	1/2	1,287.43	1/2	979.17	1/2	670.08	1/2	360.60	1/2	51.95	1/2	1/2		1/2		1/2
3/4	1,899.85	3/4	1,590.48	3/4	1,280.98	3/4	972.76	3/4	663.63	3/4	354.15	3/4	45.64	3/4	3/4		3/4		3/4
3	1,893.41	3	1,584.03	3	1,274.53	3	966.35	3	657.18	3	347.70	3	39.33	3	3		3		3
1/4	1,886.96	1/4	1,577.58	1/4	1,268.09	1/4	959.94	1/4	650.74	1/4	341.26	1/4	33.96	1/4	1/4		1/4		1/4
1/2	1,880.52	1/2	1,571.14	1/2	1,261.64	1/2	953.54	1/2	644.29	1/2	334.81	1/2	28.60	1/2	1/2		1/2		1/2
3/4	1,874.07	3/4	1,564.69	3/4	1,255.19	3/4	947.13	3/4	637.84	3/4	328.36	3/4	23.24	3/4	3/4		3/4		3/4
4	1,867.63	4	1,558.24	4	1,248.74	4	940.73	4	631.39	4	321.91	4	17.87	4	4		4		4
1/4	1,861.18	1/4	1,551.79	1/4	1,242.29	1/4	934.28	1/4	624.95	1/4	315.47	1/4	14.65	1/4	1/4		1/4		1/4
1/2	1,854.74	1/2	1,545.34	1/2	1,235.85	1/2	927.84	1/2	618.50	1/2	309.02	1/2	11.42	1/2	1/2		1/2		1/2
3/4	1,848.29	3/4	1,538.90	3/4	1,229.40	3/4	921.40	3/4	612.05	3/4	302.57	3/4	8.20	3/4	3/4		3/4		3/4
5	1,841.85	5	1,532.45	5	1,222.95	5	914.95	5	605.60	5	296.12	5	4.98	5	5		5		5
1/4	1,835.41	1/4	1,526.00	1/4	1,216.50	1/4	908.51	1/4	599.16	1/4	289.68	1/4	3.90	1/4	1/4		1/4		1/4
1/2	1,828.96	1/2	1,519.55	1/2	1,210.05	1/2	902.07	1/2	592.71	1/2	283.23	1/2	2.83	1/2	1/2		1/2		1/2
3/4	1,822.52	3/4	1,513.11	3/4	1,203.61	3/4	895.63	3/4	586.26	3/4	276.78	3/4	1.75	3/4	3/4		3/4		3/4
6	1,816.07	6	1,506.66	6	1,197.16	6	889.18	6	579.81	6	270.33	6	0.68	6	6		6		6
1/4	1,809.63	1/4	1,500.21	1/4	1,190.75	1/4	882.74	1/4	573.37	1/4	263.89	1/4		1/4	1/4		1/4		1/4
1/2	1,803.18	1/2	1,493.76	1/2	1,184.34	1/2	876.30	1/2	566.92	1/2	257.44	1/2		1/2	1/2		1/2		1/2
3/4	1,796.74	3/4	1,487.31	3/4	1,177.92	3/4	869.86	3/4	560.47	3/4	250.99	3/4		3/4	3/4		3/4		3/4
7	1,790.29	7	1,480.87	7	1,171.51	7	863.41	7	554.02	7	244.54	7		7	7		7		7
1/4	1,783.85	1/4	1,474.42	1/4	1,165.10	1/4	856.97	1/4	547.58	1/4	238.10	1/4		1/4	1/4		1/4		1/4
1/2	1,777.41	1/2	1,467.97	1/2	1,158.69	1/2	850.53	1/2	541.13	1/2	231.65	1/2		1/2	1/2		1/2		1/2
3/4	1,770.96	3/4	1,461.52	3/4	1,152.28	3/4	844.09	3/4	534.68	3/4	225.20	3/4		3/4	3/4		3/4		3/4
8	1,764.52	8	1,455.07	8	1,145.87	8	837.64	8	528.23	8	218.75	8		8	8		8		8
1/4	1,758.07	1/4	1,448.63	1/4	1,139.46	1/4	831.20	1/4	521.79	1/4	212.31	1/4		1/4	1/4		1/4		1/4
1/2	1,751.63	1/2	1,442.18	1/2	1,133.04	1/2	824.76	1/2	515.34	1/2	205.86	1/2		1/2	1/2		1/2		1/2
3/4	1,745.18	3/4	1,435.73	3/4	1,126.63	3/4	818.32	3/4	508.89	3/4	199.41	3/4		3/4	3/4		3/4		3/4
9	1,738.74	9	1,429.28	9	1,120.22	9	811.87	9	502.44	9	192.96	9		9	9		9		9
1/4	1,732.30	1/4	1,422.83	1/4	1,113.81	1/4	805.43	1/4	496.00	1/4	186.52	1/4		1/4	1/4		1/4		1/4
1/2	1,725.85	1/2	1,416.39	1/2	1,107.40	1/2	798.99	1/2	489.55	1/2	180.07	1/2		1/2	1/2		1/2		1/2
3/4	1,719.41	3/4	1,409.94	3/4	1,100.99	3/4	792.55	3/4	483.10	3/4	173.62	3/4		3/4	3/4		3/4		3/4
10	1,712.96	10	1,403.49	10	1,094.58	10	786.10	10	476.65	10	167.18	10		10	10		10		10
1/4	1,706.52	1/4	1,397.04	1/4	1,088.16	1/4	779.66	1/4	470.21	1/4	160.74	1/4		1/4	1/4		1/4		1/4
1/2	1,700.07	1/2	1,390.60	1/2	1,081.75	1/2	773.22	1/2	463.76	1/2	154.29	1/2		1/2	1/2		1/2		1/2
3/4	1,693.63	3/4	1,384.15	3/4	1,075.34	3/4	766.78	3/4	457.31	3/4	147.85	3/4		3/4	3/4		3/4		3/4
11	1,687.18	11	1,377.70	11	1,068.93	11	760.34	11	450.86	11	141.41	11		11	11		11		11
1/4	1,680.74	1/4	1,371.25	1/4	1,062.52	1/4	753.89	1/4	444.42	1/4	134.98	1/4		1/4	1/4		1/4		1/4
1/2	1,674.30	1/2	1,364.80	1/2	1,056.11	1/2	747.44	1/2	437.97	1/2	128.56	1/2		1/2	1/2		1/2		1/2
3/4	1,667.85	3/4	1,358.36	3/4	1,049.70	3/4	741.00	3/4	431.52	3/4	122.13	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/15/2010 CL - SW
CALCULATED: 06/15/2010 CL
PRINTED: 06/15/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2010

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



BARGE "KIRBY 11021B"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN 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.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							3,931.37		3,652.16		3,357.19		3,062.22		2,766.75		2,470.39		2,174.03		
1/4		1/4		1/4		1/4	3,928.28	1/4	3,646.02	1/4	3,351.04	1/4	3,056.07	1/4	2,760.58	1/4	2,464.21	1/4	2,167.85		
1/2		1/2		1/2		1/2	3,925.19	1/2	3,639.87	1/2	3,344.90	1/2	3,049.92	1/2	2,754.40	1/2	2,458.04	1/2	2,161.68		
3/4		3/4		3/4		3/4	3,922.10	3/4	3,633.73	3/4	3,338.75	3/4	3,043.78	3/4	2,748.23	3/4	2,451.87	3/4	2,155.50		
1	1	1	1	1	1	1	3,916.96	1	3,627.58	1	3,332.61	1	3,037.63	1	2,742.05	1	2,445.69	1	2,149.33		
1/4		1/4		1/4		1/4	3,911.81	1/4	3,621.44	1/4	3,326.46	1/4	3,031.49	1/4	2,735.88	1/4	2,439.52	1/4	2,143.16		
1/2		1/2		1/2		1/2	3,906.66	1/2	3,615.29	1/2	3,320.32	1/2	3,025.34	1/2	2,729.70	1/2	2,433.34	1/2	2,136.98		
3/4		3/4		3/4		3/4	3,901.52	3/4	3,609.15	3/4	3,314.17	3/4	3,019.20	3/4	2,723.53	3/4	2,427.17	3/4	2,130.81		
2	2	2	2	2	2	2	3,895.52	2	3,603.00	2	3,308.03	2	3,013.05	2	2,717.36	2	2,420.99	2	2,124.63		
1/4		1/4		1/4		1/4	3,889.52	1/4	3,596.86	1/4	3,301.88	1/4	3,006.91	1/4	2,711.18	1/4	2,414.82	1/4	2,118.46		
1/2		1/2		1/2		1/2	3,883.52	1/2	3,590.71	1/2	3,295.74	1/2	3,000.76	1/2	2,705.01	1/2	2,408.65	1/2	2,112.28		
3/4		3/4		3/4		3/4	3,877.52	3/4	3,584.57	3/4	3,289.59	3/4	2,994.62	3/4	2,698.83	3/4	2,402.47	3/4	2,106.11		
3	3	3	3	3	3	3	3,871.48	3	3,578.42	3	3,283.45	3	2,988.47	3	2,692.66	3	2,396.30	3	2,099.94		
1/4		1/4		1/4		1/4	3,865.45	1/4	3,572.28	1/4	3,277.30	1/4	2,982.33	1/4	2,686.48	1/4	2,390.12	1/4	2,093.76		
1/2		1/2		1/2		1/2	3,859.41	1/2	3,566.13	1/2	3,271.16	1/2	2,976.18	1/2	2,680.31	1/2	2,383.95	1/2	2,087.59		
3/4		3/4		3/4		3/4	3,853.38	3/4	3,559.98	3/4	3,265.01	3/4	2,970.04	3/4	2,674.14	3/4	2,377.77	3/4	2,081.41		
4	4	4	4	4	4	4	3,847.33	4	3,553.84	4	3,258.86	4	2,963.89	4	2,667.96	4	2,371.60	4	2,075.24		
1/4		1/4		1/4		1/4	3,841.29	1/4	3,547.69	1/4	3,252.72	1/4	2,957.75	1/4	2,661.79	1/4	2,365.43	1/4	2,069.06		
1/2		1/2		1/2		1/2	3,835.24	1/2	3,541.55	1/2	3,246.57	1/2	2,951.60	1/2	2,655.61	1/2	2,359.25	1/2	2,062.89		
3/4		3/4		3/4		3/4	3,829.20	3/4	3,535.40	3/4	3,240.43	3/4	2,945.45	3/4	2,649.44	3/4	2,353.08	3/4	2,056.72		
5	5	5	5	5	5	5	3,823.15	5	3,529.26	5	3,234.28	5	2,939.31	5	2,643.27	5	2,346.90	5	2,050.54		
1/4		1/4		1/4		1/4	3,817.10	1/4	3,523.11	1/4	3,228.14	1/4	2,933.16	1/4	2,637.09	1/4	2,340.73	1/4	2,044.37		
1/2		1/2		1/2		1/2	3,811.05	1/2	3,516.97	1/2	3,221.99	1/2	2,927.02	1/2	2,630.92	1/2	2,334.56	1/2	2,038.19		
3/4		3/4		3/4		3/4	3,805.00	3/4	3,510.82	3/4	3,215.85	3/4	2,920.87	3/4	2,624.74	3/4	2,328.38	3/4	2,032.02		
6	6	6	6	6	6	6	3,798.95	6	3,504.68	6	3,209.70	6	2,914.73	6	2,618.57	6	2,322.21	6	2,025.85		
1/4		1/4		1/4		1/4	3,792.91	1/4	3,498.53	1/4	3,203.56	1/4	2,908.58	1/4	2,612.39	1/4	2,316.03	1/4	2,019.67		
1/2		1/2		1/2		1/2	3,786.86	1/2	3,492.39	1/2	3,197.41	1/2	2,902.44	1/2	2,606.22	1/2	2,309.86	1/2	2,013.50		
3/4		3/4		3/4		3/4	3,780.82	3/4	3,486.24	3/4	3,191.27	3/4	2,896.29	3/4	2,600.05	3/4	2,303.68	3/4	2,007.32		
7	7	7	7	7	7	7	3,774.77	7	3,480.10	7	3,185.12	7	2,890.15	7	2,593.87	7	2,297.51	7	2,001.15		
1/4		1/4		1/4		1/4	3,768.72	1/4	3,473.95	1/4	3,178.98	1/4	2,884.00	1/4	2,587.70	1/4	2,291.34	1/4	1,994.97		
1/2		1/2		1/2		1/2	3,762.68	1/2	3,467.80	1/2	3,172.83	1/2	2,877.86	1/2	2,581.52	1/2	2,285.16	1/2	1,988.80		
3/4		3/4		3/4		3/4	3,756.63	3/4	3,461.66	3/4	3,166.69	3/4	2,871.71	3/4	2,575.35	3/4	2,278.99	3/4	1,982.63		
8	8	8	8	8	8	8	3,750.49	8	3,455.51	8	3,160.54	8	2,865.54	8	2,569.18	8	2,272.81	8	1,976.45		
1/4		1/4		1/4		1/4	3,744.34	1/4	3,449.37	1/4	3,154.39	1/4	2,859.36	1/4	2,563.00	1/4	2,266.64	1/4	1,970.28		
1/2		1/2		1/2		1/2	3,738.20	1/2	3,443.22	1/2	3,148.25	1/2	2,853.19	1/2	2,556.83	1/2	2,260.47	1/2	1,964.10		
3/4		3/4		3/4		3/4	3,732.05	3/4	3,437.08	3/4	3,142.10	3/4	2,847.01	3/4	2,550.65	3/4	2,254.29	3/4	1,957.93		
9	9	9	9	9	9	9	3,725.91	9	3,430.93	9	3,135.96	9	2,840.84	9	2,544.48	9	2,248.12	9	1,951.76		
1/4		1/4		1/4		1/4	3,719.76	1/4	3,424.79	1/4	3,129.81	1/4	2,834.67	1/4	2,538.30	1/4	2,241.94	1/4	1,945.58		
1/2		1/2		1/2		1/2	3,713.62	1/2	3,418.64	1/2	3,123.67	1/2	2,828.49	1/2	2,532.13	1/2	2,235.77	1/2	1,939.41		
3/4		3/4		3/4		3/4	3,707.47	3/4	3,412.50	3/4	3,117.52	3/4	2,822.32	3/4	2,525.96	3/4	2,229.59	3/4	1,933.23		
10	10	10	10	10	10	10	3,701.33	10	3,406.35	10	3,111.38	10	2,816.14	10	2,519.78	10	2,223.42	10	1,927.06		
1/4		1/4		1/4		1/4	3,695.18	1/4	3,400.21	1/4	3,105.23	1/4	2,809.97	1/4	2,513.61	1/4	2,217.25	1/4	1,920.88		
1/2		1/2		1/2		1/2	3,689.04	1/2	3,394.06	1/2	3,099.09	1/2	2,803.79	1/2	2,507.43	1/2	2,211.07	1/2	1,914.71		
3/4		3/4		3/4		3/4	3,682.89	3/4	3,387.92	3/4	3,092.94	3/4	2,797.62	3/4	2,501.26	3/4	2,204.90	3/4	1,908.54		
11	11	11	11	11	11	11	3,676.75	11	3,381.77	11	3,086.80	11	2,791.45	11	2,495.08	11	2,198.72	11	1,902.36		
1/4		1/4		1/4		1/4	3,936.52	1/4	3,670.60	1/4	3,375.63	1/4	3,080.65	1/4	2,785.27	1/4	2,488.91	1/4	2,192.55	1/4	1,896.19
1/2		1/2		1/2		1/2	3,935.49	1/2	3,664.45	1/2	3,369.48	1/2	3,074.51	1/2	2,779.10	1/2	2,482.74	1/2	2,186.37	1/2	1,890.01
3/4		3/4		3/4		3/4	3,934.46	3/4	3,658.31	3/4	3,363.33	3/4	3,068.36	3/4	2,772.92	3/4	2,476.56	3/4	2,180.20	3/4	1,883.84

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 ON CENTERLINE AND 32'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11021B"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	1,877.66	0	1,581.30	0	1,284.76	0	990.17	0	697.63	0	401.12	0	104.74	0		0		0	
1/4	1,871.49	1/4	1,575.12	1/4	1,278.58	1/4	984.08	1/4	691.46	1/4	394.94	1/4	98.61	1/4	1/4	1/4		1/4	
1/2	1,865.32	1/2	1,568.94	1/2	1,272.40	1/2	977.98	1/2	685.28	1/2	388.77	1/2	92.47	1/2	1/2	1/2		1/2	
3/4	1,859.14	3/4	1,562.77	3/4	1,266.22	3/4	971.89	3/4	679.11	3/4	382.59	3/4	86.33	3/4	3/4	3/4		3/4	
1	1,852.97	1	1,556.59	1	1,260.04	1	965.80	1	672.93	1	376.41	1	80.22	1	1	1		1	
1/4	1,846.79	1/4	1,550.41	1/4	1,253.87	1/4	959.70	1/4	666.75	1/4	370.23	1/4	74.12	1/4	1/4	1/4		1/4	
1/2	1,840.62	1/2	1,544.23	1/2	1,247.69	1/2	953.61	1/2	660.58	1/2	364.06	1/2	68.01	1/2	1/2	1/2		1/2	
3/4	1,834.45	3/4	1,538.05	3/4	1,241.51	3/4	947.52	3/4	654.40	3/4	357.88	3/4	61.90	3/4	3/4	3/4		3/4	
2	1,828.27	2	1,531.88	2	1,235.33	2	941.43	2	648.22	2	351.70	2	55.85	2	2	2		2	
1/4	1,822.10	1/4	1,525.70	1/4	1,229.15	1/4	935.33	1/4	642.04	1/4	345.52	1/4	49.81	1/4	1/4	1/4		1/4	
1/2	1,815.92	1/2	1,519.52	1/2	1,222.98	1/2	929.24	1/2	635.87	1/2	339.35	1/2	43.76	1/2	1/2	1/2		1/2	
3/4	1,809.75	3/4	1,513.34	3/4	1,216.80	3/4	923.15	3/4	629.69	3/4	333.17	3/4	37.71	3/4	3/4	3/4		3/4	
3	1,803.57	3	1,507.16	3	1,210.62	3	917.06	3	623.51	3	326.99	3	32.57	3	3	3		3	
1/4	1,797.40	1/4	1,500.99	1/4	1,204.44	1/4	910.97	1/4	617.33	1/4	320.81	1/4	27.43	1/4	1/4	1/4		1/4	
1/2	1,791.23	1/2	1,494.81	1/2	1,198.26	1/2	904.88	1/2	611.16	1/2	314.64	1/2	22.29	1/2	1/2	1/2		1/2	
3/4	1,785.05	3/4	1,488.63	3/4	1,192.09	3/4	898.80	3/4	604.98	3/4	308.46	3/4	17.15	3/4	3/4	3/4		3/4	
4	1,778.88	4	1,482.45	4	1,185.91	4	892.71	4	598.80	4	302.28	4	14.06	4	4	4		4	
1/4	1,772.70	1/4	1,476.27	1/4	1,179.73	1/4	886.62	1/4	592.62	1/4	296.10	1/4	10.97	1/4	1/4	1/4		1/4	
1/2	1,766.53	1/2	1,470.10	1/2	1,173.55	1/2	880.53	1/2	586.45	1/2	289.93	1/2	7.88	1/2	1/2	1/2		1/2	
3/4	1,760.35	3/4	1,463.92	3/4	1,167.37	3/4	874.45	3/4	580.27	3/4	283.75	3/4	4.80	3/4	3/4	3/4		3/4	
5	1,754.18	5	1,457.74	5	1,161.20	5	868.36	5	574.09	5	277.57	5	3.77	5	5	5		5	
1/4	1,748.01	1/4	1,451.56	1/4	1,155.02	1/4	862.27	1/4	567.91	1/4	271.39	1/4	2.74	1/4	1/4	1/4		1/4	
1/2	1,741.83	1/2	1,445.38	1/2	1,148.84	1/2	856.18	1/2	561.74	1/2	265.22	1/2	1.71	1/2	1/2	1/2		1/2	
3/4	1,735.66	3/4	1,439.21	3/4	1,142.66	3/4	850.09	3/4	555.56	3/4	259.04	3/4	0.68	3/4	3/4	3/4		3/4	
6	1,729.48	6	1,433.03	6	1,136.53	6	844.01	6	549.38	6	252.86	6		6	6	6		6	
1/4	1,723.31	1/4	1,426.85	1/4	1,130.39	1/4	837.92	1/4	543.20	1/4	246.68	1/4		1/4	1/4	1/4		1/4	
1/2	1,717.14	1/2	1,420.67	1/2	1,124.26	1/2	831.83	1/2	537.03	1/2	240.51	1/2		1/2	1/2	1/2		1/2	
3/4	1,710.96	3/4	1,414.49	3/4	1,118.12	3/4	825.74	3/4	530.85	3/4	234.33	3/4		3/4	3/4	3/4		3/4	
7	1,704.79	7	1,408.32	7	1,112.03	7	819.66	7	524.67	7	228.15	7		7	7	7		7	
1/4	1,698.61	1/4	1,402.14	1/4	1,105.94	1/4	813.57	1/4	518.49	1/4	221.97	1/4		1/4	1/4	1/4		1/4	
1/2	1,692.44	1/2	1,395.96	1/2	1,099.84	1/2	807.48	1/2	512.32	1/2	215.80	1/2		1/2	1/2	1/2		1/2	
3/4	1,686.26	3/4	1,389.78	3/4	1,093.75	3/4	801.39	3/4	506.14	3/4	209.62	3/4		3/4	3/4	3/4		3/4	
8	1,680.09	8	1,383.60	8	1,087.66	8	795.31	8	499.96	8	203.44	8		8	8	8		8	
1/4	1,673.92	1/4	1,377.43	1/4	1,081.56	1/4	789.22	1/4	493.78	1/4	197.26	1/4		1/4	1/4	1/4		1/4	
1/2	1,667.74	1/2	1,371.25	1/2	1,075.47	1/2	783.13	1/2	487.61	1/2	191.09	1/2		1/2	1/2	1/2		1/2	
3/4	1,661.57	3/4	1,365.07	3/4	1,069.38	3/4	777.04	3/4	481.43	3/4	184.91	3/4		3/4	3/4	3/4		3/4	
9	1,655.39	9	1,358.89	9	1,063.29	9	770.96	9	475.25	9	178.73	9		9	9	9		9	
1/4	1,649.22	1/4	1,352.71	1/4	1,057.19	1/4	764.87	1/4	469.07	1/4	172.55	1/4		1/4	1/4	1/4		1/4	
1/2	1,643.05	1/2	1,346.54	1/2	1,051.10	1/2	758.78	1/2	462.90	1/2	166.38	1/2		1/2	1/2	1/2		1/2	
3/4	1,636.87	3/4	1,340.36	3/4	1,045.01	3/4	752.69	3/4	456.72	3/4	160.20	3/4		3/4	3/4	3/4		3/4	
10	1,630.70	10	1,334.18	10	1,038.91	10	746.61	10	450.54	10	154.03	10		10	10	10		10	
1/4	1,624.52	1/4	1,328.00	1/4	1,032.82	1/4	740.52	1/4	444.36	1/4	147.86	1/4		1/4	1/4	1/4		1/4	
1/2	1,618.35	1/2	1,321.82	1/2	1,026.73	1/2	734.43	1/2	438.19	1/2	141.69	1/2		1/2	1/2	1/2		1/2	
3/4	1,612.17	3/4	1,315.65	3/4	1,020.63	3/4	728.35	3/4	432.01	3/4	135.52	3/4		3/4	3/4	3/4		3/4	
11	1,606.00	11	1,309.47	11	1,014.54	11	722.21	11	425.83	11	129.36	11		11	11	11		11	
1/4	1,599.83	1/4	1,303.29	1/4	1,008.45	1/4	716.08	1/4	419.65	1/4	123.20	1/4		1/4	1/4	1/4		1/4	
1/2	1,593.65	1/2	1,297.11	1/2	1,002.36	1/2	709.94	1/2	413.48	1/2	117.04	1/2		1/2	1/2	1/2		1/2	
3/4	1,587.48	3/4	1,290.93	3/4	996.26	3/4	703.81	3/4	407.30	3/4	110.88	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/15/2010 CL - SW
CALCULATED: 06/15/2010 CL
PRINTED: 06/15/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2010

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



BARGE "KIRBY 11021B"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	3,533.20	0	3,339.00	0	3,144.80	0	2,950.60	0	2,735.53	0	2,442.66	0	2,149.15
1/4		1/4		1/4		1/4	3,530.13	1/4	3,334.95	1/4	3,140.75	1/4	2,946.56	1/4	2,729.44	1/4	2,436.55	1/4	2,143.03
1/2		1/2		1/2		1/2	3,527.06	1/2	3,330.91	1/2	3,136.71	1/2	2,942.51	1/2	2,723.34	1/2	2,430.43	1/2	2,136.92
3/4		3/4		3/4		3/4	3,521.95	3/4	3,326.86	3/4	3,132.66	3/4	2,938.46	3/4	2,717.25	3/4	2,424.32	3/4	2,130.80
1		1		1		1	3,516.83	1	3,322.82	1	3,128.62	1	2,934.42	1	2,711.15	1	2,418.20	1	2,124.69
1/4		1/4		1/4		1/4	3,511.72	1/4	3,318.77	1/4	3,124.57	1/4	2,930.37	1/4	2,705.05	1/4	2,412.09	1/4	2,118.57
1/2		1/2		1/2		1/2	3,506.60	1/2	3,314.72	1/2	3,120.53	1/2	2,926.33	1/2	2,698.96	1/2	2,405.97	1/2	2,112.46
3/4		3/4		3/4		3/4	3,502.69	3/4	3,310.68	3/4	3,116.48	3/4	2,922.28	3/4	2,692.86	3/4	2,399.86	3/4	2,106.34
2		2		2		2	3,498.78	2	3,306.63	2	3,112.43	2	2,918.24	2	2,686.77	2	2,393.74	2	2,100.23
1/4		1/4		1/4		1/4	3,494.87	1/4	3,302.59	1/4	3,108.39	1/4	2,914.19	1/4	2,680.67	1/4	2,387.63	1/4	2,094.11
1/2		1/2		1/2		1/2	3,490.96	1/2	3,298.54	1/2	3,104.34	1/2	2,910.14	1/2	2,674.57	1/2	2,381.51	1/2	2,088.00
3/4		3/4		3/4		3/4	3,487.01	3/4	3,294.49	3/4	3,100.30	3/4	2,906.10	3/4	2,668.48	3/4	2,375.40	3/4	2,081.88
3		3		3		3	3,483.06	3	3,290.45	3	3,096.25	3	2,902.05	3	2,662.38	3	2,369.28	3	2,075.77
1/4		1/4		1/4		1/4	3,479.12	1/4	3,286.40	1/4	3,092.20	1/4	2,898.01	1/4	2,656.29	1/4	2,363.17	1/4	2,069.65
1/2		1/2		1/2		1/2	3,475.17	1/2	3,282.36	1/2	3,088.16	1/2	2,893.96	1/2	2,650.19	1/2	2,357.05	1/2	2,063.54
3/4		3/4		3/4		3/4	3,471.21	3/4	3,278.31	3/4	3,084.11	3/4	2,889.91	3/4	2,644.09	3/4	2,350.94	3/4	2,057.42
4		4		4		4	3,467.25	4	3,274.27	4	3,080.07	4	2,885.87	4	2,638.00	4	2,344.82	4	2,051.31
1/4		1/4		1/4		1/4	3,463.29	1/4	3,270.22	1/4	3,076.02	1/4	2,881.82	1/4	2,631.90	1/4	2,338.71	1/4	2,045.19
1/2		1/2		1/2		1/2	3,459.33	1/2	3,266.17	1/2	3,071.98	1/2	2,877.78	1/2	2,625.81	1/2	2,332.59	1/2	2,039.08
3/4		3/4		3/4		3/4	3,455.37	3/4	3,262.13	3/4	3,067.93	3/4	2,873.73	3/4	2,619.71	3/4	2,326.48	3/4	2,032.96
5		5		5		5	3,451.41	5	3,258.08	5	3,063.88	5	2,869.69	5	2,613.61	5	2,320.36	5	2,026.85
1/4		1/4		1/4		1/4	3,447.45	1/4	3,254.04	1/4	3,059.84	1/4	2,865.64	1/4	2,607.52	1/4	2,314.25	1/4	2,020.73
1/2		1/2		1/2		1/2	3,443.49	1/2	3,249.99	1/2	3,055.79	1/2	2,861.59	1/2	2,601.42	1/2	2,308.13	1/2	2,014.62
3/4		3/4		3/4		3/4	3,439.53	3/4	3,245.94	3/4	3,051.75	3/4	2,857.55	3/4	2,595.33	3/4	2,302.02	3/4	2,008.50
6		6		6		6	3,435.57	6	3,241.90	6	3,047.70	6	2,853.50	6	2,589.23	6	2,295.90	6	2,002.39
1/4		1/4		1/4		1/4	3,431.61	1/4	3,237.85	1/4	3,043.65	1/4	2,849.46	1/4	2,583.13	1/4	2,289.79	1/4	1,996.27
1/2		1/2		1/2		1/2	3,427.66	1/2	3,233.81	1/2	3,039.61	1/2	2,845.41	1/2	2,577.04	1/2	2,283.67	1/2	1,990.16
3/4		3/4		3/4		3/4	3,423.70	3/4	3,229.76	3/4	3,035.56	3/4	2,841.36	3/4	2,570.94	3/4	2,277.56	3/4	1,984.04
7		7		7		7	3,419.74	7	3,225.72	7	3,031.52	7	2,837.32	7	2,564.85	7	2,271.44	7	1,977.93
1/4		1/4		1/4		1/4	3,415.78	1/4	3,221.67	1/4	3,027.47	1/4	2,833.27	1/4	2,558.75	1/4	2,265.33	1/4	1,971.81
1/2		1/2		1/2		1/2	3,411.82	1/2	3,217.62	1/2	3,023.43	1/2	2,829.23	1/2	2,552.65	1/2	2,259.21	1/2	1,965.70
3/4		3/4		3/4		3/4	3,407.78	3/4	3,213.58	3/4	3,019.38	3/4	2,825.16	3/4	2,546.56	3/4	2,253.10	3/4	1,959.58
8		8		8		8	3,403.73	8	3,209.53	8	3,015.33	8	2,821.09	8	2,540.46	8	2,246.98	8	1,953.47
1/4		1/4		1/4		1/4	3,399.69	1/4	3,205.49	1/4	3,011.29	1/4	2,817.02	1/4	2,534.37	1/4	2,240.87	1/4	1,947.35
1/2		1/2		1/2		1/2	3,395.64	1/2	3,201.44	1/2	3,007.24	1/2	2,812.94	1/2	2,528.27	1/2	2,234.76	1/2	1,941.24
3/4		3/4		3/4		3/4	3,391.59	3/4	3,197.40	3/4	3,003.20	3/4	2,808.87	3/4	2,522.16	3/4	2,228.64	3/4	1,935.12
9		9		9		9	3,387.55	9	3,193.35	9	2,999.15	9	2,804.80	9	2,516.04	9	2,222.53	9	1,929.01
1/4		1/4		1/4		1/4	3,383.50	1/4	3,189.30	1/4	2,995.11	1/4	2,800.73	1/4	2,509.93	1/4	2,216.41	1/4	1,922.90
1/2		1/2		1/2		1/2	3,379.46	1/2	3,185.26	1/2	2,991.06	1/2	2,796.66	1/2	2,503.81	1/2	2,210.30	1/2	1,916.78
3/4		3/4		3/4		3/4	3,375.41	3/4	3,181.21	3/4	2,987.01	3/4	2,790.52	3/4	2,497.70	3/4	2,204.18	3/4	1,910.67
10		10		10		10	3,371.36	10	3,177.17	10	2,982.97	10	2,784.39	10	2,491.58	10	2,198.07	10	1,904.55
1/4		1/4		1/4		1/4	3,367.32	1/4	3,173.12	1/4	2,978.92	1/4	2,778.25	1/4	2,485.47	1/4	2,191.95	1/4	1,898.44
1/2		1/2		1/2		1/2	3,363.27	1/2	3,169.07	1/2	2,974.88	1/2	2,772.11	1/2	2,479.35	1/2	2,185.84	1/2	1,892.32
3/4		3/4		3/4		3/4	3,359.23	3/4	3,165.03	3/4	2,970.83	3/4	2,766.01	3/4	2,473.24	3/4	2,179.72	3/4	1,886.21
11		11		11	3,541.39	11	3,355.18	11	3,160.98	11	2,966.78	11	2,759.92	11	2,467.12	11	2,173.61	11	1,880.09
1/4		1/4		1/4	3,540.37	1/4	3,351.14	1/4	3,156.94	1/4	2,962.74	1/4	2,753.82	1/4	2,461.01	1/4	2,167.49	1/4	1,873.98
1/2		1/2		1/2	3,539.34	1/2	3,347.09	1/2	3,152.89	1/2	2,958.69	1/2	2,747.73	1/2	2,454.89	1/2	2,161.38	1/2	1,867.86
3/4		3/4		3/4	3,536.27	3/4	3,343.04	3/4	3,148.85	3/4	2,954.65	3/4	2,741.63	3/4	2,448.78	3/4	2,155.26	3/4	1,861.75

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 ON CENTERLINE AND 32'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11021B"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,849.52	1/4	1,555.74	1/4	1,261.81	1/4	967.89	1/4	680.05	1/4	385.95	1/4	91.90	1/4		1/4		1/4			
1/2	1,843.40	1/2	1,549.61	1/2	1,255.69	1/2	961.77	1/2	673.94	1/2	379.82	1/2	85.80	1/2		1/2		1/2			
3/4	1,837.29	3/4	1,543.49	3/4	1,249.57	3/4	955.71	3/4	667.82	3/4	373.69	3/4	79.73	3/4		3/4		3/4			
1	1,831.17	1	1,537.37	1	1,243.44	1	949.65	1	661.69	1	367.56	1	73.67	1		1		1			
1/4	1,825.06	1/4	1,531.24	1/4	1,237.32	1/4	943.59	1/4	655.56	1/4	361.44	1/4	67.60	1/4		1/4		1/4			
1/2	1,818.94	1/2	1,525.12	1/2	1,231.20	1/2	937.52	1/2	649.44	1/2	355.31	1/2	61.53	1/2		1/2		1/2			
3/4	1,812.83	3/4	1,519.00	3/4	1,225.07	3/4	931.53	3/4	643.31	3/4	349.18	3/4	55.52	3/4		3/4		3/4			
2	1,806.71	2	1,512.87	2	1,218.95	2	925.53	2	637.18	2	343.05	2	49.50	2		2		2			
1/4	1,800.60	1/4	1,506.75	1/4	1,212.83	1/4	919.53	1/4	631.06	1/4	336.92	1/4	43.49	1/4		1/4		1/4			
1/2	1,794.48	1/2	1,500.63	1/2	1,206.70	1/2	913.53	1/2	624.93	1/2	330.80	1/2	37.48	1/2		1/2		1/2			
3/4	1,788.36	3/4	1,494.50	3/4	1,200.58	3/4	907.54	3/4	618.80	3/4	324.67	3/4	32.37	3/4		3/4		3/4			
3	1,782.24	3	1,488.38	3	1,194.46	3	901.54	3	612.68	3	318.54	3	27.26	3		3		3			
1/4	1,776.11	1/4	1,482.26	1/4	1,188.33	1/4	895.55	1/4	606.55	1/4	312.41	1/4	22.16	1/4		1/4		1/4			
1/2	1,769.99	1/2	1,476.13	1/2	1,182.21	1/2	889.55	1/2	600.42	1/2	306.29	1/2	17.05	1/2		1/2		1/2			
3/4	1,763.87	3/4	1,470.01	3/4	1,176.09	3/4	883.57	3/4	594.29	3/4	300.16	3/4	13.98	3/4		3/4		3/4			
4	1,757.74	4	1,463.89	4	1,169.96	4	877.59	4	588.16	4	294.03	4	10.91	4		4		4			
1/4	1,751.62	1/4	1,457.76	1/4	1,163.84	1/4	871.61	1/4	582.04	1/4	287.90	1/4	7.84	1/4		1/4		1/4			
1/2	1,745.50	1/2	1,451.64	1/2	1,157.72	1/2	865.63	1/2	575.91	1/2	281.77	1/2	4.77	1/2		1/2		1/2			
3/4	1,739.37	3/4	1,445.51	3/4	1,151.59	3/4	859.66	3/4	569.78	3/4	275.65	3/4	3.75	3/4		3/4		3/4			
5	1,733.25	5	1,439.39	5	1,145.47	5	853.70	5	563.65	5	269.52	5	2.73	5		5		5			
1/4	1,727.13	1/4	1,433.27	1/4	1,139.34	1/4	847.74	1/4	557.52	1/4	263.39	1/4	1.70	1/4		1/4		1/4			
1/2	1,721.00	1/2	1,427.14	1/2	1,133.22	1/2	841.77	1/2	551.40	1/2	257.26	1/2	0.68	1/2		1/2		1/2			
3/4	1,714.88	3/4	1,421.02	3/4	1,127.10	3/4	835.81	3/4	545.27	3/4	251.13	3/4		3/4		3/4		3/4			
6	1,708.76	6	1,414.90	6	1,120.97	6	829.84	6	539.14	6	245.01	6		6		6		6			
1/4	1,702.64	1/4	1,408.77	1/4	1,114.85	1/4	823.88	1/4	533.01	1/4	238.88	1/4		1/4		1/4		1/4			
1/2	1,696.52	1/2	1,402.65	1/2	1,108.73	1/2	817.92	1/2	526.89	1/2	232.75	1/2		1/2		1/2		1/2			
3/4	1,690.40	3/4	1,396.53	3/4	1,102.60	3/4	811.95	3/4	520.76	3/4	226.62	3/4		3/4		3/4		3/4			
7	1,684.28	7	1,390.40	7	1,096.48	7	805.99	7	514.63	7	220.50	7		7		7		7			
1/4	1,678.15	1/4	1,384.28	1/4	1,090.36	1/4	800.02	1/4	508.50	1/4	214.37	1/4		1/4		1/4		1/4			
1/2	1,672.03	1/2	1,378.16	1/2	1,084.23	1/2	794.06	1/2	502.37	1/2	208.24	1/2		1/2		1/2		1/2			
3/4	1,665.91	3/4	1,372.03	3/4	1,078.11	3/4	788.10	3/4	496.25	3/4	202.11	3/4		3/4		3/4		3/4			
8	1,659.79	8	1,365.91	8	1,071.99	8	782.13	8	490.12	8	195.98	8		8		8		8			
1/4	1,653.67	1/4	1,359.79	1/4	1,065.86	1/4	776.17	1/4	483.99	1/4	189.86	1/4		1/4		1/4		1/4			
1/2	1,647.55	1/2	1,353.66	1/2	1,059.74	1/2	770.21	1/2	477.86	1/2	183.73	1/2		1/2		1/2		1/2			
3/4	1,641.43	3/4	1,347.54	3/4	1,053.62	3/4	764.24	3/4	471.74	3/4	177.60	3/4		3/4		3/4		3/4			
9	1,635.31	9	1,341.42	9	1,047.49	9	758.28	9	465.61	9	171.47	9		9		9		9			
1/4	1,629.19	1/4	1,335.29	1/4	1,041.37	1/4	752.31	1/4	459.48	1/4	165.35	1/4		1/4		1/4		1/4			
1/2	1,623.07	1/2	1,329.17	1/2	1,035.25	1/2	746.35	1/2	453.35	1/2	159.22	1/2		1/2		1/2		1/2			
3/4	1,616.95	3/4	1,323.05	3/4	1,029.12	3/4	740.39	3/4	447.22	3/4	153.09	3/4		3/4		3/4		3/4			
10	1,610.83	10	1,316.92	10	1,023.00	10	734.42	10	441.10	10	146.95	10		10		10		10			
1/4	1,604.71	1/4	1,310.80	1/4	1,016.88	1/4	728.46	1/4	434.97	1/4	140.82	1/4		1/4		1/4		1/4			
1/2	1,598.59	1/2	1,304.68	1/2	1,010.75	1/2	722.49	1/2	428.84	1/2	134.69	1/2		1/2		1/2		1/2			
3/4	1,592.47	3/4	1,298.55	3/4	1,004.63	3/4	716.47	3/4	422.71	3/4	128.57	3/4		3/4		3/4		3/4			
11	1,586.35	11	1,292.43	11	998.51	11	710.44	11	416.59	11	122.45	11		11		11		11			
1/4	1,580.23	1/4	1,286.31	1/4	992.38	1/4	704.41	1/4	410.46	1/4	116.33	1/4		1/4		1/4		1/4			
1/2	1,574.11	1/2	1,280.18	1/2	986.26	1/2	698.38	1/2	404.33	1/2	110.20	1/2		1/2		1/2		1/2			
3/4	1,567.98	3/4	1,274.06	3/4	980.14	3/4	692.27	3/4	398.20	3/4	104.10	3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/15/2010 CL - SW
CALCULATED: 06/15/2010 CL
PRINTED: 06/15/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2010

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