



BARGE "KIRBY 10231"

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	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
2 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2

(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: 163'-06"

May 23, 2012

PRECISION MEASUREMENT
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BARGE "KIRBY 10231"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	3,768.60	1/4	3,530.29	1/4	3,276.81	1/4	3,023.34	1/4	2,758.86	1/4	2,462.52	1/4	2,165.57		
1/2		1/2		1/2		1/2	3,765.49	1/2	3,525.00	1/2	3,271.53	1/2	3,018.06	1/2	2,752.69	1/2	2,456.33	1/2	2,159.38		
3/4		3/4		3/4		3/4	3,762.39	3/4	3,519.72	3/4	3,266.25	3/4	3,012.78	3/4	2,746.53	3/4	2,450.14	3/4	2,153.20		
1	1	1	1	1	1	1	3,759.28	1	3,514.44	1	3,260.97	1	3,007.50	1	2,740.36	1	2,443.96	1	2,147.01		
1/4		1/4		1/4		1/4	3,756.18	1/4	3,509.16	1/4	3,255.69	1/4	3,002.22	1/4	2,734.19	1/4	2,437.77	1/4	2,140.82		
1/2		1/2		1/2		1/2	3,752.02	1/2	3,503.88	1/2	3,250.41	1/2	2,996.93	1/2	2,728.02	1/2	2,431.58	1/2	2,134.64		
3/4		3/4		3/4		3/4	3,747.86	3/4	3,498.60	3/4	3,245.13	3/4	2,991.65	3/4	2,721.86	3/4	2,425.40	3/4	2,128.45		
2	2	2	2	2	2	2	3,743.70	2	3,493.32	2	3,239.85	2	2,986.37	2	2,715.69	2	2,419.21	2	2,122.26		
1/4		1/4		1/4		1/4	3,739.54	1/4	3,488.04	1/4	3,234.57	1/4	2,981.09	1/4	2,709.52	1/4	2,413.02	1/4	2,116.08		
1/2		1/2		1/2		1/2	3,734.40	1/2	3,482.76	1/2	3,229.29	1/2	2,975.81	1/2	2,703.35	1/2	2,406.84	1/2	2,109.89		
3/4		3/4		3/4		3/4	3,729.25	3/4	3,477.48	3/4	3,224.00	3/4	2,970.53	3/4	2,697.18	3/4	2,400.65	3/4	2,103.70		
3	3	3	3	3	3	3	3,724.10	3	3,472.20	3	3,218.72	3	2,965.25	3	2,691.02	3	2,394.46	3	2,097.52		
1/4		1/4		1/4		1/4	3,718.96	1/4	3,466.92	1/4	3,213.44	1/4	2,959.97	1/4	2,684.85	1/4	2,388.28	1/4	2,091.33		
1/2		1/2		1/2		1/2	3,713.78	1/2	3,461.64	1/2	3,208.16	1/2	2,954.69	1/2	2,678.68	1/2	2,382.09	1/2	2,085.14		
3/4		3/4		3/4		3/4	3,708.59	3/4	3,456.36	3/4	3,202.88	3/4	2,949.41	3/4	2,672.51	3/4	2,375.91	3/4	2,078.96		
4	4	4	4	4	4	4	3,703.41	4	3,451.07	4	3,197.60	4	2,944.13	4	2,666.35	4	2,369.72	4	2,072.77		
1/4		1/4		1/4		1/4	3,698.23	1/4	3,445.79	1/4	3,192.32	1/4	2,938.85	1/4	2,660.18	1/4	2,363.53	1/4	2,066.59		
1/2		1/2		1/2		1/2	3,693.03	1/2	3,440.51	1/2	3,187.04	1/2	2,933.57	1/2	2,654.01	1/2	2,357.35	1/2	2,060.40		
3/4		3/4		3/4		3/4	3,687.84	3/4	3,435.23	3/4	3,181.76	3/4	2,928.29	3/4	2,647.84	3/4	2,351.16	3/4	2,054.21		
5	5	5	5	5	5	5	3,682.64	5	3,429.95	5	3,176.48	5	2,923.00	5	2,641.68	5	2,344.97	5	2,048.03		
1/4		1/4		1/4		1/4	3,677.44	1/4	3,424.67	1/4	3,171.20	1/4	2,917.72	1/4	2,635.51	1/4	2,338.79	1/4	2,041.84		
1/2		1/2		1/2		1/2	3,672.25	1/2	3,419.39	1/2	3,165.92	1/2	2,912.44	1/2	2,629.34	1/2	2,332.60	1/2	2,035.65		
3/4		3/4		3/4		3/4	3,667.06	3/4	3,414.11	3/4	3,160.64	3/4	2,907.16	3/4	2,623.17	3/4	2,326.41	3/4	2,029.47		
6	6	6	6	6	6	6	3,661.86	6	3,408.83	6	3,155.36	6	2,901.88	6	2,617.01	6	2,320.23	6	2,023.28		
1/4		1/4		1/4		1/4	3,656.67	1/4	3,403.55	1/4	3,150.07	1/4	2,896.60	1/4	2,610.84	1/4	2,314.04	1/4	2,017.09		
1/2		1/2		1/2		1/2	3,651.48	1/2	3,398.27	1/2	3,144.79	1/2	2,891.32	1/2	2,604.67	1/2	2,307.86	1/2	2,010.91		
3/4		3/4		3/4		3/4	3,646.28	3/4	3,392.99	3/4	3,139.51	3/4	2,886.04	3/4	2,598.50	3/4	2,301.67	3/4	2,004.72		
7	7	7	7	7	7	7	3,641.09	7	3,387.71	7	3,134.23	7	2,880.76	7	2,592.34	7	2,295.48	7	1,998.54		
1/4		1/4		1/4		1/4	3,635.90	1/4	3,382.43	1/4	3,128.95	1/4	2,875.48	1/4	2,586.17	1/4	2,289.30	1/4	1,992.35		
1/2		1/2		1/2		1/2	3,630.62	1/2	3,377.14	1/2	3,123.67	1/2	2,870.17	1/2	2,580.00	1/2	2,283.11	1/2	1,986.16		
3/4		3/4		3/4		3/4	3,625.34	3/4	3,371.86	3/4	3,118.39	3/4	2,864.87	3/4	2,573.83	3/4	2,276.92	3/4	1,979.98		
8	8	8	8	8	8	8	3,620.06	8	3,366.58	8	3,113.11	8	2,859.56	8	2,567.67	8	2,270.74	8	1,973.79		
1/4		1/4		1/4		1/4	3,614.78	1/4	3,361.30	1/4	3,107.83	1/4	2,854.26	1/4	2,561.50	1/4	2,264.55	1/4	1,967.60		
1/2		1/2		1/2		1/2	3,609.50	1/2	3,356.02	1/2	3,102.55	1/2	2,848.95	1/2	2,555.31	1/2	2,258.36	1/2	1,961.42		
3/4		3/4		3/4		3/4	3,604.21	3/4	3,350.74	3/4	3,097.27	3/4	2,843.64	3/4	2,549.12	3/4	2,252.18	3/4	1,955.23		
9	9	9	9	9	9	9	3,598.93	9	3,345.46	9	3,091.99	9	2,838.34	9	2,542.94	9	2,245.99	9	1,949.04		
1/4		1/4		1/4		1/4	3,593.65	1/4	3,340.18	1/4	3,086.71	1/4	2,833.03	1/4	2,536.75	1/4	2,239.80	1/4	1,942.86		
1/2		1/2		1/2		1/2	3,588.37	1/2	3,334.90	1/2	3,081.43	1/2	2,826.83	1/2	2,530.57	1/2	2,233.62	1/2	1,936.67		
3/4		3/4		3/4		3/4	3,583.09	3/4	3,329.62	3/4	3,076.14	3/4	2,820.62	3/4	2,524.38	3/4	2,227.43	3/4	1,930.48		
10	10	10	10	10	10	10	3,577.81	10	3,324.34	10	3,070.86	10	2,814.41	10	2,518.19	10	2,221.25	10	1,924.30		
1/4		1/4		1/4		1/4	3,572.53	1/4	3,319.06	1/4	3,065.58	1/4	2,808.20	1/4	2,512.01	1/4	2,215.06	1/4	1,918.11		
1/2		1/2		1/2		1/2	3,567.25	1/2	3,313.78	1/2	3,060.30	1/2	2,802.03	1/2	2,505.82	1/2	2,208.87	1/2	1,911.93		
3/4		3/4		3/4		3/4	3,561.97	3/4	3,308.50	3/4	3,055.02	3/4	2,795.87	3/4	2,499.63	3/4	2,202.69	3/4	1,905.74		
11	11	11	11	11	11	11	3,556.69	11	3,303.22	11	3,049.74	11	2,789.70	11	2,493.45	11	2,196.50	11	1,899.55		
1/4		1/4		1/4		1/4	3,772.74	1/4	3,551.41	1/4	3,297.93	1/4	3,044.46	1/4	2,783.53	1/4	2,487.26	1/4	2,190.31	1/4	1,893.37
1/2		1/2		1/2		1/2	3,771.71	1/2	3,546.13	1/2	3,292.65	1/2	3,039.18	1/2	2,777.36	1/2	2,481.07	1/2	2,184.13	1/2	1,887.18
3/4		3/4		3/4		3/4	3,770.67	3/4	3,540.85	3/4	3,287.37	3/4	3,033.90	3/4	2,771.20	3/4	2,474.89	3/4	2,177.94	3/4	1,880.99

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 31'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 10231"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	1,874.81	0	1,577.60	0	1,280.24	0	982.89	0	691.61	0	394.08	0	96.60	0		0		0	
1/4	1,868.62	1/4	1,571.40	1/4	1,274.05	1/4	976.69	1/4	685.43	1/4	387.88	1/4	90.43	1/4	1/4	1/4		1/4	
1/2	1,862.43	1/2	1,565.21	1/2	1,267.85	1/2	970.56	1/2	679.23	1/2	381.68	1/2	84.29	1/2	1/2	1/2		1/2	
3/4	1,856.25	3/4	1,559.01	3/4	1,261.66	3/4	964.43	3/4	673.04	3/4	375.48	3/4	78.15	3/4	3/4	3/4		3/4	
1	1,850.06	1	1,552.82	1	1,255.46	1	958.30	1	666.84	1	369.28	1	72.01	1	1	1		1	
1/4	1,843.88	1/4	1,546.62	1/4	1,249.27	1/4	952.17	1/4	660.64	1/4	363.08	1/4	65.88	1/4	1/4	1/4		1/4	
1/2	1,837.69	1/2	1,540.43	1/2	1,243.07	1/2	946.10	1/2	654.44	1/2	356.88	1/2	59.79	1/2	1/2	1/2		1/2	
3/4	1,831.50	3/4	1,534.23	3/4	1,236.88	3/4	940.03	3/4	648.25	3/4	350.68	3/4	53.71	3/4	3/4	3/4		3/4	
2	1,825.32	2	1,528.04	2	1,230.68	2	933.96	2	642.05	2	344.48	2	47.63	2	2	2		2	
1/4	1,819.13	1/4	1,521.85	1/4	1,224.49	1/4	927.89	1/4	635.85	1/4	338.28	1/4	41.54	1/4	1/4	1/4		1/4	
1/2	1,812.93	1/2	1,515.65	1/2	1,218.30	1/2	921.82	1/2	629.65	1/2	332.08	1/2	36.38	1/2	1/2	1/2		1/2	
3/4	1,806.74	3/4	1,509.46	3/4	1,212.10	3/4	915.75	3/4	623.45	3/4	325.88	3/4	31.21	3/4	3/4	3/4		3/4	
3	1,800.55	3	1,503.26	3	1,205.91	3	909.69	3	617.25	3	319.69	3	26.04	3	3	3		3	
1/4	1,794.35	1/4	1,497.07	1/4	1,199.71	1/4	903.62	1/4	611.05	1/4	313.49	1/4	20.88	1/4	1/4	1/4		1/4	
1/2	1,788.16	1/2	1,490.87	1/2	1,193.52	1/2	897.57	1/2	604.85	1/2	307.29	1/2	17.77	1/2	1/2	1/2		1/2	
3/4	1,781.96	3/4	1,484.68	3/4	1,187.32	3/4	891.51	3/4	598.65	3/4	301.09	3/4	14.67	3/4	3/4	3/4		3/4	
4	1,775.77	4	1,478.48	4	1,181.13	4	885.46	4	592.45	4	294.89	4	11.56	4	4	4		4	
1/4	1,769.57	1/4	1,472.29	1/4	1,174.93	1/4	879.41	1/4	586.26	1/4	288.69	1/4	8.46	1/4	1/4	1/4		1/4	
1/2	1,763.38	1/2	1,466.09	1/2	1,168.74	1/2	873.37	1/2	580.06	1/2	282.49	1/2	7.42	1/2	1/2	1/2		1/2	
3/4	1,757.18	3/4	1,459.90	3/4	1,162.54	3/4	867.34	3/4	573.86	3/4	276.29	3/4	6.39	3/4	3/4	3/4		3/4	
5	1,750.99	5	1,453.70	5	1,156.35	5	861.30	5	567.66	5	270.09	5	5.35	5	5	5		5	
1/4	1,744.79	1/4	1,447.51	1/4	1,150.15	1/4	855.27	1/4	561.46	1/4	263.89	1/4	4.32	1/4	1/4	1/4		1/4	
1/2	1,738.60	1/2	1,441.31	1/2	1,143.96	1/2	849.23	1/2	555.26	1/2	257.69	1/2		1/2	1/2	1/2		1/2	
3/4	1,732.41	3/4	1,435.12	3/4	1,137.76	3/4	843.20	3/4	549.06	3/4	251.49	3/4		3/4	3/4	3/4		3/4	
6	1,726.21	6	1,428.92	6	1,131.57	6	837.16	6	542.86	6	245.29	6		6	6	6		6	
1/4	1,720.02	1/4	1,422.73	1/4	1,125.37	1/4	831.12	1/4	536.66	1/4	239.09	1/4		1/4	1/4	1/4		1/4	
1/2	1,713.83	1/2	1,416.53	1/2	1,119.18	1/2	825.09	1/2	530.46	1/2	232.90	1/2		1/2	1/2	1/2		1/2	
3/4	1,707.64	3/4	1,410.34	3/4	1,112.98	3/4	819.05	3/4	524.26	3/4	226.70	3/4		3/4	3/4	3/4		3/4	
7	1,701.44	7	1,404.14	7	1,106.79	7	813.02	7	518.06	7	220.50	7		7	7	7		7	
1/4	1,695.25	1/4	1,397.95	1/4	1,100.59	1/4	806.98	1/4	511.86	1/4	214.30	1/4		1/4	1/4	1/4		1/4	
1/2	1,689.06	1/2	1,391.75	1/2	1,094.40	1/2	800.95	1/2	505.66	1/2	208.10	1/2		1/2	1/2	1/2		1/2	
3/4	1,682.87	3/4	1,385.56	3/4	1,088.20	3/4	794.91	3/4	499.46	3/4	201.90	3/4		3/4	3/4	3/4		3/4	
8	1,676.68	8	1,379.36	8	1,082.01	8	788.88	8	493.27	8	195.70	8		8	8	8		8	
1/4	1,670.49	1/4	1,373.17	1/4	1,075.81	1/4	782.84	1/4	487.07	1/4	189.50	1/4		1/4	1/4	1/4		1/4	
1/2	1,664.29	1/2	1,366.97	1/2	1,069.62	1/2	776.80	1/2	480.87	1/2	183.30	1/2		1/2	1/2	1/2		1/2	
3/4	1,658.10	3/4	1,360.78	3/4	1,063.42	3/4	770.77	3/4	474.67	3/4	177.10	3/4		3/4	3/4	3/4		3/4	
9	1,651.91	9	1,354.58	9	1,057.23	9	764.73	9	468.47	9	170.90	9		9	9	9		9	
1/4	1,645.72	1/4	1,348.39	1/4	1,051.03	1/4	758.70	1/4	462.27	1/4	164.71	1/4		1/4	1/4	1/4		1/4	
1/2	1,639.53	1/2	1,342.19	1/2	1,044.84	1/2	752.66	1/2	456.07	1/2	158.50	1/2		1/2	1/2	1/2		1/2	
3/4	1,633.33	3/4	1,336.00	3/4	1,038.64	3/4	746.63	3/4	449.87	3/4	152.30	3/4		3/4	3/4	3/4		3/4	
10	1,627.14	10	1,329.80	10	1,032.45	10	740.59	10	443.67	10	146.09	10		10	10	10		10	
1/4	1,620.95	1/4	1,323.61	1/4	1,026.25	1/4	734.55	1/4	437.47	1/4	139.89	1/4		1/4	1/4	1/4		1/4	
1/2	1,614.76	1/2	1,317.41	1/2	1,020.06	1/2	728.46	1/2	431.27	1/2	133.70	1/2		1/2	1/2	1/2		1/2	
3/4	1,608.57	3/4	1,311.22	3/4	1,013.86	3/4	722.36	3/4	425.07	3/4	127.50	3/4		3/4	3/4	3/4		3/4	
11	1,602.38	11	1,305.02	11	1,007.67	11	716.26	11	418.87	11	121.31	11		11	11	11		11	
1/4	1,596.18	1/4	1,298.83	1/4	1,001.47	1/4	710.16	1/4	412.67	1/4	115.12	1/4		1/4	1/4	1/4		1/4	
1/2	1,589.99	1/2	1,292.63	1/2	995.28	1/2	703.98	1/2	406.48	1/2	108.95	1/2		1/2	1/2	1/2		1/2	
3/4	1,583.79	3/4	1,286.44	3/4	989.08	3/4	697.79	3/4	400.28	3/4	102.78	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/23/2012 CL - SW
CALCULATED: 05/23/2012 CL
PRINTED: 05/23/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

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



BARGE "KIRBY 10231"

2 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.	
0	1,662.72	0	1,399.33	0	1,135.78	0	874.26	0	614.62	0	351.09	0	87.71	0		0		0	
1/4	1,657.24	1/4	1,393.84	1/4	1,130.28	1/4	868.85	1/4	609.13	1/4	345.60	1/4	82.26	1/4	1/4	1/4		1/4	
1/2	1,651.75	1/2	1,388.35	1/2	1,124.79	1/2	863.44	1/2	603.64	1/2	340.11	1/2	76.80	1/2	1/2	1/2		1/2	
3/4	1,646.26	3/4	1,382.86	3/4	1,119.30	3/4	858.04	3/4	598.15	3/4	334.61	3/4	71.37	3/4	3/4	3/4		3/4	
1	1,640.77	1	1,377.37	1	1,113.81	1	852.63	1	592.66	1	329.12	1	65.95	1	1	1		1	
1/4	1,635.29	1/4	1,371.88	1/4	1,108.32	1/4	847.23	1/4	587.17	1/4	323.63	1/4	60.52	1/4	1/4	1/4		1/4	
1/2	1,629.80	1/2	1,366.39	1/2	1,102.83	1/2	841.82	1/2	581.68	1/2	318.14	1/2	55.09	1/2	1/2	1/2		1/2	
3/4	1,624.31	3/4	1,360.90	3/4	1,097.34	3/4	836.42	3/4	576.19	3/4	312.65	3/4	49.72	3/4	3/4	3/4		3/4	
2	1,618.83	2	1,355.41	2	1,091.85	2	831.01	2	570.70	2	307.16	2	44.34	2	2	2		2	
1/4	1,613.34	1/4	1,349.92	1/4	1,086.36	1/4	825.60	1/4	565.21	1/4	301.67	1/4	38.96	1/4	1/4	1/4		1/4	
1/2	1,607.85	1/2	1,344.43	1/2	1,080.87	1/2	820.20	1/2	559.72	1/2	296.18	1/2	33.59	1/2	1/2	1/2		1/2	
3/4	1,602.36	3/4	1,338.94	3/4	1,075.38	3/4	814.80	3/4	554.23	3/4	290.69	3/4	29.02	3/4	3/4	3/4		3/4	
3	1,596.88	3	1,333.44	3	1,069.89	3	809.40	3	548.74	3	285.20	3	24.45	3	3	3		3	
1/4	1,591.39	1/4	1,327.95	1/4	1,064.40	1/4	804.00	1/4	543.25	1/4	279.71	1/4	19.88	1/4	1/4	1/4		1/4	
1/2	1,585.90	1/2	1,322.46	1/2	1,058.90	1/2	798.60	1/2	537.76	1/2	274.22	1/2	15.32	1/2	1/2	1/2		1/2	
3/4	1,580.42	3/4	1,316.97	3/4	1,053.41	3/4	793.20	3/4	532.27	3/4	268.73	3/4	12.57	3/4	3/4	3/4		3/4	
4	1,574.93	4	1,311.48	4	1,047.92	4	787.79	4	526.78	4	263.24	4	9.83	4	4	4		4	
1/4	1,569.44	1/4	1,305.99	1/4	1,042.43	1/4	782.39	1/4	521.29	1/4	257.75	1/4	7.08	1/4	1/4	1/4		1/4	
1/2	1,563.95	1/2	1,300.50	1/2	1,036.94	1/2	776.99	1/2	515.79	1/2	252.26	1/2	4.34	1/2	1/2	1/2		1/2	
3/4	1,558.47	3/4	1,295.01	3/4	1,031.45	3/4	771.59	3/4	510.30	3/4	246.77	3/4	3.42	3/4	3/4	3/4		3/4	
5	1,552.98	5	1,289.52	5	1,025.96	5	766.19	5	504.81	5	241.28	5	2.51	5	5	5		5	
1/4	1,547.49	1/4	1,284.03	1/4	1,020.47	1/4	760.79	1/4	499.32	1/4	235.79	1/4	1.59	1/4	1/4	1/4		1/4	
1/2	1,542.01	1/2	1,278.54	1/2	1,014.98	1/2	755.39	1/2	493.83	1/2	230.30	1/2	0.68	1/2	1/2	1/2		1/2	
3/4	1,536.52	3/4	1,273.05	3/4	1,009.53	3/4	749.99	3/4	488.34	3/4	224.81	3/4		3/4	3/4	3/4		3/4	
6	1,531.03	6	1,267.55	6	1,004.08	6	744.59	6	482.85	6	219.32	6		6	6	6		6	
1/4	1,525.54	1/4	1,262.06	1/4	998.63	1/4	739.19	1/4	477.36	1/4	213.83	1/4		1/4	1/4	1/4		1/4	
1/2	1,520.06	1/2	1,256.57	1/2	993.19	1/2	733.79	1/2	471.87	1/2	208.34	1/2		1/2	1/2	1/2		1/2	
3/4	1,514.57	3/4	1,251.08	3/4	987.78	3/4	728.39	3/4	466.38	3/4	202.85	3/4		3/4	3/4	3/4		3/4	
7	1,509.08	7	1,245.59	7	982.37	7	722.99	7	460.89	7	197.36	7		7	7	7		7	
1/4	1,503.60	1/4	1,240.10	1/4	976.97	1/4	717.59	1/4	455.40	1/4	191.87	1/4		1/4	1/4	1/4		1/4	
1/2	1,498.11	1/2	1,234.61	1/2	971.56	1/2	712.19	1/2	449.91	1/2	186.38	1/2		1/2	1/2	1/2		1/2	
3/4	1,492.62	3/4	1,229.12	3/4	966.16	3/4	706.79	3/4	444.42	3/4	180.89	3/4		3/4	3/4	3/4		3/4	
8	1,487.14	8	1,223.63	8	960.75	8	701.39	8	438.93	8	175.40	8		8	8	8		8	
1/4	1,481.65	1/4	1,218.14	1/4	955.35	1/4	695.99	1/4	433.44	1/4	169.91	1/4		1/4	1/4	1/4		1/4	
1/2	1,476.16	1/2	1,212.65	1/2	949.94	1/2	690.59	1/2	427.95	1/2	164.42	1/2		1/2	1/2	1/2		1/2	
3/4	1,470.67	3/4	1,207.16	3/4	944.53	3/4	685.19	3/4	422.46	3/4	158.93	3/4		3/4	3/4	3/4		3/4	
9	1,465.19	9	1,201.67	9	939.13	9	679.78	9	416.97	9	153.44	9		9	9	9		9	
1/4	1,459.70	1/4	1,196.17	1/4	933.72	1/4	674.38	1/4	411.48	1/4	147.95	1/4		1/4	1/4	1/4		1/4	
1/2	1,454.21	1/2	1,190.68	1/2	928.32	1/2	668.98	1/2	405.99	1/2	142.46	1/2		1/2	1/2	1/2		1/2	
3/4	1,448.73	3/4	1,185.19	3/4	922.91	3/4	663.58	3/4	400.50	3/4	136.97	3/4		3/4	3/4	3/4		3/4	
10	1,443.24	10	1,179.70	10	917.50	10	658.18	10	395.01	10	131.49	10		10	10	10		10	
1/4	1,437.75	1/4	1,174.21	1/4	912.10	1/4	652.79	1/4	389.52	1/4	126.00	1/4		1/4	1/4	1/4		1/4	
1/2	1,432.26	1/2	1,168.72	1/2	906.69	1/2	647.39	1/2	384.03	1/2	120.52	1/2		1/2	1/2	1/2		1/2	
3/4	1,426.78	3/4	1,163.23	3/4	901.29	3/4	641.94	3/4	378.54	3/4	115.04	3/4		3/4	3/4	3/4		3/4	
11	1,421.29	11	1,157.74	11	895.88	11	636.49	11	373.05	11	109.57	11		11	11	11		11	
1/4	1,415.80	1/4	1,152.25	1/4	890.47	1/4	631.04	1/4	367.56	1/4	104.10	1/4		1/4	1/4	1/4		1/4	
1/2	1,410.32	1/2	1,146.76	1/2	885.07	1/2	625.60	1/2	362.07	1/2	98.62	1/2		1/2	1/2	1/2		1/2	
3/4	1,404.82	3/4	1,141.27	3/4	879.66	3/4	620.11	3/4	356.58	3/4	93.17	3/4		3/4	3/4	3/4		3/4	

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BARGE "KIRBY 10231"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	1,651.07	0	1,389.33	0	1,127.44	0	866.53	0	605.30	0	343.42	0	81.74	0		0		0	
1/4	1,645.62	1/4	1,383.88	1/4	1,121.98	1/4	861.11	1/4	599.84	1/4	337.97	1/4	76.32	1/4	1/4	1/4		1/4	
1/2	1,640.16	1/2	1,378.42	1/2	1,116.53	1/2	855.69	1/2	594.38	1/2	332.51	1/2	70.93	1/2	1/2	1/2		1/2	
3/4	1,634.71	3/4	1,372.97	3/4	1,111.07	3/4	850.27	3/4	588.93	3/4	327.06	3/4	65.54	3/4	3/4	3/4		3/4	
1	1,629.26	1	1,367.51	1	1,105.62	1	844.85	1	583.47	1	321.60	1	60.14	1	1	1		1	
1/4	1,623.81	1/4	1,362.05	1/4	1,100.16	1/4	839.43	1/4	578.02	1/4	316.14	1/4	54.75	1/4	1/4	1/4		1/4	
1/2	1,618.35	1/2	1,356.60	1/2	1,094.70	1/2	834.01	1/2	572.56	1/2	310.69	1/2	49.41	1/2	1/2	1/2		1/2	
3/4	1,612.90	3/4	1,351.14	3/4	1,089.25	3/4	828.59	3/4	567.11	3/4	305.23	3/4	44.07	3/4	3/4	3/4		3/4	
2	1,607.45	2	1,345.68	2	1,083.79	2	823.17	2	561.65	2	299.78	2	38.72	2	2	2		2	
1/4	1,602.00	1/4	1,340.23	1/4	1,078.34	1/4	817.75	1/4	556.19	1/4	294.32	1/4	33.38	1/4	1/4	1/4		1/4	
1/2	1,596.54	1/2	1,334.77	1/2	1,072.88	1/2	812.34	1/2	550.74	1/2	288.87	1/2	28.84	1/2	1/2	1/2		1/2	
3/4	1,591.09	3/4	1,329.32	3/4	1,067.42	3/4	806.93	3/4	545.28	3/4	283.41	3/4	24.30	3/4	3/4	3/4		3/4	
3	1,585.64	3	1,323.86	3	1,061.97	3	801.51	3	539.83	3	277.95	3	19.76	3	3	3		3	
1/4	1,580.19	1/4	1,318.40	1/4	1,056.51	1/4	796.10	1/4	534.37	1/4	272.50	1/4	15.23	1/4	1/4	1/4		1/4	
1/2	1,574.73	1/2	1,312.95	1/2	1,051.06	1/2	790.65	1/2	528.92	1/2	267.04	1/2	12.50	1/2	1/2	1/2		1/2	
3/4	1,569.28	3/4	1,307.49	3/4	1,045.60	3/4	785.20	3/4	523.46	3/4	261.59	3/4	9.77	3/4	3/4	3/4		3/4	
4	1,563.83	4	1,302.04	4	1,040.14	4	779.75	4	518.00	4	256.13	4	7.04	4	4	4		4	
1/4	1,558.37	1/4	1,296.58	1/4	1,034.69	1/4	774.29	1/4	512.55	1/4	250.68	1/4	4.31	1/4	1/4	1/4		1/4	
1/2	1,552.92	1/2	1,291.12	1/2	1,029.23	1/2	768.84	1/2	507.09	1/2	245.22	1/2	3.41	1/2	1/2	1/2		1/2	
3/4	1,547.47	3/4	1,285.67	3/4	1,023.77	3/4	763.39	3/4	501.64	3/4	239.76	3/4	2.50	3/4	3/4	3/4		3/4	
5	1,542.02	5	1,280.21	5	1,018.32	5	757.94	5	496.18	5	234.31	5	1.59	5	5	5		5	
1/4	1,536.56	1/4	1,274.76	1/4	1,012.86	1/4	752.49	1/4	490.73	1/4	228.85	1/4	0.68	1/4	1/4	1/4		1/4	
1/2	1,531.11	1/2	1,269.30	1/2	1,007.44	1/2	747.04	1/2	485.27	1/2	223.40	1/2		1/2	1/2	1/2		1/2	
3/4	1,525.66	3/4	1,263.84	3/4	1,002.02	3/4	741.59	3/4	479.81	3/4	217.94	3/4		3/4	3/4	3/4		3/4	
6	1,520.21	6	1,258.39	6	996.60	6	736.14	6	474.36	6	212.49	6		6	6	6		6	
1/4	1,514.75	1/4	1,252.93	1/4	991.18	1/4	730.69	1/4	468.90	1/4	207.03	1/4		1/4	1/4	1/4		1/4	
1/2	1,509.30	1/2	1,247.48	1/2	985.76	1/2	725.24	1/2	463.45	1/2	201.57	1/2		1/2	1/2	1/2		1/2	
3/4	1,503.85	3/4	1,242.02	3/4	980.34	3/4	719.79	3/4	457.99	3/4	196.12	3/4		3/4	3/4	3/4		3/4	
7	1,498.40	7	1,236.56	7	974.92	7	714.34	7	452.54	7	190.66	7		7	7	7		7	
1/4	1,492.94	1/4	1,231.11	1/4	969.51	1/4	708.88	1/4	447.08	1/4	185.21	1/4		1/4	1/4	1/4		1/4	
1/2	1,487.49	1/2	1,225.65	1/2	964.09	1/2	703.43	1/2	441.63	1/2	179.75	1/2		1/2	1/2	1/2		1/2	
3/4	1,482.04	3/4	1,220.19	3/4	958.67	3/4	697.98	3/4	436.17	3/4	174.30	3/4		3/4	3/4	3/4		3/4	
8	1,476.59	8	1,214.74	8	953.25	8	692.53	8	430.71	8	168.84	8		8	8	8		8	
1/4	1,471.13	1/4	1,209.28	1/4	947.83	1/4	687.08	1/4	425.26	1/4	163.38	1/4		1/4	1/4	1/4		1/4	
1/2	1,465.68	1/2	1,203.83	1/2	942.41	1/2	681.63	1/2	419.80	1/2	157.93	1/2		1/2	1/2	1/2		1/2	
3/4	1,460.23	3/4	1,198.37	3/4	936.99	3/4	676.18	3/4	414.35	3/4	152.47	3/4		3/4	3/4	3/4		3/4	
9	1,454.78	9	1,192.91	9	931.57	9	670.73	9	408.89	9	147.02	9		9	9	9		9	
1/4	1,449.32	1/4	1,187.46	1/4	926.15	1/4	665.28	1/4	403.44	1/4	141.56	1/4		1/4	1/4	1/4		1/4	
1/2	1,443.87	1/2	1,182.00	1/2	920.73	1/2	659.83	1/2	397.98	1/2	136.11	1/2		1/2	1/2	1/2		1/2	
3/4	1,438.42	3/4	1,176.55	3/4	915.31	3/4	654.38	3/4	392.52	3/4	130.66	3/4		3/4	3/4	3/4		3/4	
10	1,432.96	10	1,171.09	10	909.89	10	648.93	10	387.07	10	125.21	10		10	10	10		10	
1/4	1,427.51	1/4	1,165.63	1/4	904.47	1/4	643.48	1/4	381.61	1/4	119.76	1/4		1/4	1/4	1/4		1/4	
1/2	1,422.06	1/2	1,160.18	1/2	899.05	1/2	638.02	1/2	376.16	1/2	114.32	1/2		1/2	1/2	1/2		1/2	
3/4	1,416.61	3/4	1,154.72	3/4	893.63	3/4	632.57	3/4	370.70	3/4	108.89	3/4		3/4	3/4	3/4		3/4	
11	1,411.15	11	1,149.27	11	888.21	11	627.11	11	365.25	11	103.45	11		11	11	11		11	
1/4	1,405.70	1/4	1,143.81	1/4	882.79	1/4	621.66	1/4	359.79	1/4	98.01	1/4		1/4	1/4	1/4		1/4	
1/2	1,400.25	1/2	1,138.35	1/2	877.37	1/2	616.21	1/2	354.33	1/2	92.59	1/2		1/2	1/2	1/2		1/2	
3/4	1,394.79	3/4	1,132.90	3/4	871.95	3/4	610.75	3/4	348.88	3/4	87.16	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

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