



# BARGE "KIRBY 11530"

ULLAGE TRIM TABLE

FORMERLY "CGBM 104"

	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	- 00-3/8	00-3/8	- 00-7/8	00-7/8	- 01-1/4	01-1/4	- 01-3/4	01-3/4	- 02-1/8	02-1/8	- 02-5/8	02-5/8
2 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8
3 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 00-7/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 7/8"

LENGTH BETWEEN DRAFT MARKS: 167'-06"

February 14, 2022

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 11530"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-08 1/2"

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	3,449.25	0	3,237.77	0	3,025.04	0	2,812.30	0	2,596.64	0	2,353.95	0	2,110.54
1/4		1/4		1/4		1/4	3,445.32	1/4	3,233.33	1/4	3,020.60	1/4	2,807.86	1/4	2,591.76	1/4	2,348.88	1/4	2,105.46
1/2		1/2		1/2		1/2	3,441.39	1/2	3,228.90	1/2	3,016.17	1/2	2,803.43	1/2	2,586.88	1/2	2,343.81	1/2	2,100.39
3/4		3/4		3/4		3/4	3,437.02	3/4	3,224.47	3/4	3,011.74	3/4	2,799.00	3/4	2,581.88	3/4	2,338.74	3/4	2,095.32
1		1		1		1	3,432.65	1	3,220.04	1	3,007.31	1	2,794.57	1	2,576.87	1	2,333.67	1	2,090.25
1/4		1/4		1/4		1/4	3,428.28	1/4	3,215.61	1/4	3,002.87	1/4	2,790.13	1/4	2,571.87	1/4	2,328.59	1/4	2,085.18
1/2		1/2		1/2		1/2	3,423.91	1/2	3,211.18	1/2	2,998.44	1/2	2,785.70	1/2	2,566.86	1/2	2,323.52	1/2	2,080.11
3/4		3/4		3/4		3/4	3,419.48	3/4	3,206.75	3/4	2,994.01	3/4	2,781.27	3/4	2,561.79	3/4	2,318.45	3/4	2,075.04
2		2		2		2	3,415.05	2	3,202.32	2	2,989.58	2	2,776.84	2	2,556.72	2	2,313.38	2	2,069.97
1/4		1/4		1/4		1/4	3,410.61	1/4	3,197.88	1/4	2,985.14	1/4	2,772.41	1/4	2,551.65	1/4	2,308.31	1/4	2,064.89
1/2		1/2		1/2		1/2	3,406.18	1/2	3,193.45	1/2	2,980.71	1/2	2,767.98	1/2	2,546.58	1/2	2,303.24	1/2	2,059.82
3/4		3/4		3/4		3/4	3,401.75	3/4	3,189.02	3/4	2,976.28	3/4	2,763.55	3/4	2,541.51	3/4	2,298.17	3/4	2,054.75
3		3		3		3	3,397.32	3	3,184.59	3	2,971.85	3	2,759.12	3	2,536.45	3	2,293.10	3	2,049.68
1/4		1/4		1/4		1/4	3,392.89	1/4	3,180.15	1/4	2,967.41	1/4	2,754.68	1/4	2,531.38	1/4	2,288.02	1/4	2,044.61
1/2		1/2		1/2		1/2	3,388.46	1/2	3,175.72	1/2	2,962.98	1/2	2,750.25	1/2	2,526.31	1/2	2,282.95	1/2	2,039.54
3/4		3/4		3/4		3/4	3,384.03	3/4	3,171.29	3/4	2,958.55	3/4	2,745.82	3/4	2,521.24	3/4	2,277.88	3/4	2,034.47
4		4		4		4	3,379.60	4	3,166.86	4	2,954.12	4	2,741.39	4	2,516.17	4	2,272.81	4	2,029.40
1/4		1/4		1/4		1/4	3,375.16	1/4	3,162.42	1/4	2,949.69	1/4	2,736.95	1/4	2,511.10	1/4	2,267.74	1/4	2,024.32
1/2		1/2		1/2		1/2	3,370.73	1/2	3,157.99	1/2	2,945.26	1/2	2,732.52	1/2	2,506.03	1/2	2,262.67	1/2	2,019.25
3/4		3/4		3/4		3/4	3,366.30	3/4	3,153.56	3/4	2,940.83	3/4	2,728.09	3/4	2,500.96	3/4	2,257.60	3/4	2,014.18
5		5		5		5	3,361.87	5	3,149.13	5	2,936.40	5	2,723.66	5	2,495.89	5	2,252.53	5	2,009.11
1/4		1/4		1/4		1/4	3,357.43	1/4	3,144.69	1/4	2,931.96	1/4	2,719.22	1/4	2,490.82	1/4	2,247.46	1/4	2,004.04
1/2		1/2		1/2		1/2	3,353.00	1/2	3,140.26	1/2	2,927.53	1/2	2,714.79	1/2	2,485.75	1/2	2,242.39	1/2	1,998.97
3/4		3/4		3/4		3/4	3,348.57	3/4	3,135.83	3/4	2,923.10	3/4	2,710.36	3/4	2,480.68	3/4	2,237.32	3/4	1,993.90
6		6		6		6	3,344.14	6	3,131.40	6	2,918.67	6	2,705.93	6	2,475.62	6	2,232.25	6	1,988.83
1/4		1/4		1/4		1/4	3,339.70	1/4	3,126.97	1/4	2,914.23	1/4	2,701.49	1/4	2,470.55	1/4	2,227.17	1/4	1,983.75
1/2		1/2		1/2		1/2	3,335.27	1/2	3,122.54	1/2	2,909.80	1/2	2,697.06	1/2	2,465.48	1/2	2,222.10	1/2	1,978.68
3/4		3/4		3/4		3/4	3,330.84	3/4	3,118.11	3/4	2,905.37	3/4	2,692.63	3/4	2,460.41	3/4	2,217.03	3/4	1,973.61
7		7		7		7	3,326.41	7	3,113.68	7	2,900.94	7	2,688.20	7	2,455.34	7	2,211.96	7	1,968.54
1/4		1/4		1/4		1/4	3,321.97	1/4	3,109.24	1/4	2,896.50	1/4	2,683.77	1/4	2,450.27	1/4	2,206.89	1/4	1,963.47
1/2		1/2		1/2		1/2	3,484.43	1/2	3,317.54	1/2	3,104.81	1/2	2,892.07	1/2	2,679.34	1/2	2,445.20	1/2	2,201.82
3/4		3/4		3/4		3/4	3,484.05	3/4	3,313.11	3/4	3,100.38	3/4	2,887.64	3/4	2,674.91	3/4	2,440.13	3/4	2,196.75
8		8		8		8	3,483.68	8	3,308.68	8	3,095.95	8	2,883.21	8	2,670.48	8	2,435.07	8	2,191.68
1/4		1/4		1/4		1/4	3,483.30	1/4	3,304.25	1/4	3,091.51	1/4	2,878.77	1/4	2,666.04	1/4	2,430.00	1/4	2,186.60
1/2		1/2		1/2		1/2	3,482.92	1/2	3,299.82	1/2	3,087.08	1/2	2,874.34	1/2	2,661.61	1/2	2,424.93	1/2	2,181.53
3/4		3/4		3/4		3/4	3,481.66	3/4	3,295.39	3/4	3,082.65	3/4	2,869.91	3/4	2,657.18	3/4	2,419.86	3/4	2,176.46
9		9		9		9	3,480.40	9	3,290.96	9	3,078.22	9	2,865.48	9	2,652.75	9	2,414.79	9	2,171.39
1/4		1/4		1/4		1/4	3,479.13	1/4	3,286.52	1/4	3,073.78	1/4	2,861.05	1/4	2,648.31	1/4	2,409.72	1/4	2,166.32
1/2		1/2		1/2		1/2	3,477.87	1/2	3,282.09	1/2	3,069.35	1/2	2,856.62	1/2	2,643.88	1/2	2,404.65	1/2	2,161.25
3/4		3/4		3/4		3/4	3,475.72	3/4	3,277.66	3/4	3,064.92	3/4	2,852.19	3/4	2,639.26	3/4	2,399.58	3/4	2,156.18
10		10		10		10	3,473.57	10	3,273.23	10	3,060.49	10	2,847.76	10	2,634.64	10	2,394.52	10	2,151.11
1/4		1/4		1/4		1/4	3,471.41	1/4	3,268.79	1/4	3,056.05	1/4	2,843.32	1/4	2,630.01	1/4	2,389.45	1/4	2,146.03
1/2		1/2		1/2		1/2	3,469.26	1/2	3,264.36	1/2	3,051.62	1/2	2,838.89	1/2	2,625.39	1/2	2,384.38	1/2	2,140.96
3/4		3/4		3/4		3/4	3,466.22	3/4	3,259.93	3/4	3,047.19	3/4	2,834.46	3/4	2,620.64	3/4	2,379.31	3/4	2,135.89
11		11		11		11	3,463.18	11	3,255.50	11	3,042.76	11	2,830.03	11	2,615.89	11	2,374.24	11	2,130.82
1/4		1/4		1/4		1/4	3,460.14	1/4	3,251.06	1/4	3,038.33	1/4	2,825.59	1/4	2,611.14	1/4	2,369.16	1/4	2,125.75
1/2		1/2		1/2		1/2	3,457.10	1/2	3,246.63	1/2	3,033.90	1/2	2,821.16	1/2	2,606.39	1/2	2,364.09	1/2	2,120.68
3/4		3/4		3/4		3/4	3,453.17	3/4	3,242.20	3/4	3,029.47	3/4	2,816.73	3/4	2,601.51	3/4	2,359.02	3/4	2,115.61

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 20'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "KIRBY 11530"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,867.12	0	1,623.82	0	1,380.54	0	1,137.27	0	894.02	0	651.14	0	408.13	0	164.76	0		0	
1/4	1,862.04	1/4	1,618.75	1/4	1,375.47	1/4	1,132.20	1/4	888.96	1/4	646.09	1/4	403.66	1/4	159.69	1/4		1/4	
1/2	1,856.97	1/2	1,613.68	1/2	1,370.40	1/2	1,127.13	1/2	883.89	1/2	641.04	1/2	397.99	1/2	154.62	1/2		1/2	
3/4	1,851.90	3/4	1,608.61	3/4	1,365.33	3/4	1,122.06	3/4	878.82	3/4	635.99	3/4	392.92	3/4	149.55	3/4		3/4	
1	1,846.83	1	1,603.54	1	1,360.27	1	1,117.00	1	873.76	1	630.93	1	387.85	1	144.48	1		1	
1/4	1,841.76	1/4	1,598.47	1/4	1,355.20	1/4	1,111.93	1/4	868.69	1/4	625.88	1/4	382.78	1/4	139.41	1/4		1/4	
1/2	1,836.69	1/2	1,593.40	1/2	1,350.13	1/2	1,106.86	1/2	863.63	1/2	620.83	1/2	377.71	1/2	134.34	1/2		1/2	
3/4	1,831.62	3/4	1,588.33	3/4	1,345.06	3/4	1,101.79	3/4	858.56	3/4	615.78	3/4	372.64	3/4	129.27	3/4		3/4	
2	1,826.55	2	1,583.27	2	1,340.00	2	1,096.72	2	853.49	2	610.72	2	367.56	2	124.20	2		2	
1/4	1,821.47	1/4	1,578.20	1/4	1,334.93	1/4	1,091.65	1/4	848.43	1/4	605.67	1/4	362.49	1/4	119.13	1/4		1/4	
1/2	1,816.40	1/2	1,573.13	1/2	1,329.86	1/2	1,086.58	1/2	843.36	1/2	600.62	1/2	357.42	1/2	114.06	1/2		1/2	
3/4	1,811.33	3/4	1,568.06	3/4	1,324.79	3/4	1,081.51	3/4	838.29	3/4	595.57	3/4	352.35	3/4	108.99	3/4		3/4	
3	1,806.27	3	1,563.00	3	1,319.72	3	1,076.45	3	833.22	3	590.52	3	347.28	3	103.91	3		3	
1/4	1,801.20	1/4	1,557.93	1/4	1,314.65	1/4	1,071.38	1/4	828.16	1/4	585.47	1/4	342.21	1/4	98.84	1/4		1/4	
1/2	1,796.13	1/2	1,552.86	1/2	1,309.58	1/2	1,066.31	1/2	823.09	1/2	580.42	1/2	337.14	1/2	93.77	1/2		1/2	
3/4	1,791.06	3/4	1,547.79	3/4	1,304.51	3/4	1,061.24	3/4	818.02	3/4	575.37	3/4	332.07	3/4	88.72	3/4		3/4	
4	1,786.00	4	1,542.73	4	1,299.45	4	1,056.18	4	812.95	4	570.31	4	327.00	4	83.67	4		4	
1/4	1,780.93	1/4	1,537.66	1/4	1,294.38	1/4	1,051.11	1/4	807.89	1/4	565.26	1/4	321.93	1/4	78.60	1/4		1/4	
1/2	1,775.86	1/2	1,532.59	1/2	1,289.31	1/2	1,046.04	1/2	802.82	1/2	560.21	1/2	316.86	1/2	73.53	1/2		1/2	
3/4	1,770.79	3/4	1,527.52	3/4	1,284.24	3/4	1,040.97	3/4	797.75	3/4	555.14	3/4	311.79	3/4	68.46	3/4		3/4	
5	1,765.73	5	1,522.45	5	1,279.18	5	1,035.91	5	792.68	5	550.07	5	306.72	5	63.39	5		5	
1/4	1,760.66	1/4	1,517.38	1/4	1,274.11	1/4	1,030.84	1/4	787.62	1/4	545.01	1/4	301.65	1/4	58.32	1/4		1/4	
1/2	1,755.59	1/2	1,512.31	1/2	1,269.04	1/2	1,025.77	1/2	782.55	1/2	539.94	1/2	296.58	1/2	53.25	1/2		1/2	
3/4	1,750.52	3/4	1,507.24	3/4	1,263.97	3/4	1,020.70	3/4	777.48	3/4	534.87	3/4	291.51	3/4	48.18	3/4		3/4	
6	1,745.45	6	1,502.18	6	1,258.91	6	1,015.63	6	772.41	6	529.80	6	286.44	6	43.11	6		6	
1/4	1,740.38	1/4	1,497.11	1/4	1,253.84	1/4	1,010.56	1/4	767.35	1/4	524.74	1/4	281.37	1/4	38.04	1/4		1/4	
1/2	1,735.31	1/2	1,492.04	1/2	1,248.77	1/2	1,005.49	1/2	762.28	1/2	519.67	1/2	276.30	1/2	32.97	1/2		1/2	
3/4	1,730.24	3/4	1,486.97	3/4	1,243.70	3/4	1,000.43	3/4	757.23	3/4	514.60	3/4	271.23	3/4	27.90	3/4		3/4	
7	1,725.18	7	1,481.91	7	1,238.63	7	995.36	7	752.17	7	509.53	7	266.16	7	22.83	7		7	
1/4	1,720.11	1/4	1,476.84	1/4	1,233.56	1/4	990.29	1/4	747.12	1/4	504.47	1/4	261.09	1/4	17.76	1/4		1/4	
1/2	1,715.04	1/2	1,471.77	1/2	1,228.49	1/2	985.23	1/2	742.07	1/2	499.40	1/2	256.02	1/2	12.69	1/2		1/2	
3/4	1,709.97	3/4	1,466.70	3/4	1,223.42	3/4	980.16	3/4	737.02	3/4	494.33	3/4	250.95	3/4	7.62	3/4		3/4	
8	1,704.91	8	1,461.63	8	1,218.36	8	975.09	8	731.97	8	489.26	8	245.88	8	2.55	8		8	
1/4	1,699.84	1/4	1,456.56	1/4	1,213.29	1/4	970.03	1/4	726.92	1/4	484.19	1/4	240.81	1/4	-2.52	1/4		1/4	
1/2	1,694.77	1/2	1,451.49	1/2	1,208.22	1/2	964.96	1/2	721.87	1/2	479.12	1/2	235.74	1/2	-7.59	1/2		1/2	
3/4	1,689.70	3/4	1,446.42	3/4	1,203.15	3/4	959.89	3/4	716.82	3/4	474.05	3/4	230.67	3/4	-12.66	3/4		3/4	
9	1,684.63	9	1,441.36	9	1,198.09	9	954.83	9	711.76	9	468.98	9	225.60	9	-17.73	9		9	
1/4	1,679.56	1/4	1,436.29	1/4	1,193.02	1/4	949.76	1/4	706.71	1/4	463.91	1/4	220.53	1/4	-22.80	1/4		1/4	
1/2	1,674.49	1/2	1,431.22	1/2	1,187.95	1/2	944.70	1/2	701.66	1/2	458.84	1/2	215.46	1/2	-27.87	1/2		1/2	
3/4	1,669.42	3/4	1,426.15	3/4	1,182.88	3/4	939.63	3/4	696.61	3/4	453.77	3/4	210.39	3/4	-32.94	3/4		3/4	
10	1,664.36	10	1,421.09	10	1,177.81	10	934.56	10	691.55	10	448.70	10	205.32	10	-38.01	10		10	
1/4	1,659.29	1/4	1,416.02	1/4	1,172.74	1/4	929.50	1/4	686.50	1/4	443.63	1/4	200.25	1/4	-43.08	1/4		1/4	
1/2	1,654.22	1/2	1,410.95	1/2	1,167.67	1/2	924.43	1/2	681.45	1/2	438.56	1/2	195.18	1/2	-48.15	1/2		1/2	
3/4	1,649.15	3/4	1,405.88	3/4	1,162.60	3/4	919.36	3/4	676.40	3/4	433.49	3/4	190.11	3/4	-53.22	3/4		3/4	
11	1,644.09	11	1,400.82	11	1,157.54	11	914.29	11	671.35	11	428.42	11	185.04	11	-58.29	11		11	
1/4	1,639.02	1/4	1,395.75	1/4	1,152.47	1/4	909.23	1/4	666.30	1/4	423.35	1/4	179.97	1/4	-63.36	1/4		1/4	
1/2	1,633.95	1/2	1,390.68	1/2	1,147.40	1/2	904.16	1/2	661.25	1/2	418.28	1/2	174.90	1/2	-68.43	1/2		1/2	
3/4	1,628.88	3/4	1,385.61	3/4	1,142.33	3/4	899.09	3/4	656.20	3/4	413.21	3/4	169.83	3/4	-73.50	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED BY: 11/30/2007 INT.  
RECALCULATED: 02/15/2022 JS  
REPRINTED: 02/15/2022 JS

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2022



# BARGE "KIRBY 11530"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-08"

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	4,048.32	0	3,772.39	0	3,496.18	0	3,219.97	0	2,943.76	0	2,667.55	0	2,391.33
1/4		1/4		1/4		1/4	4,042.64	1/4	3,766.64	1/4	3,490.42	1/4	3,214.21	1/4	2,938.00	1/4	2,661.79	1/4	2,385.58
1/2		1/2		1/2		1/2	4,036.95	1/2	3,760.88	1/2	3,484.67	1/2	3,208.46	1/2	2,932.25	1/2	2,656.04	1/2	2,379.82
3/4		3/4		3/4		3/4	4,031.27	3/4	3,755.13	3/4	3,478.91	3/4	3,202.70	3/4	2,926.49	3/4	2,650.28	3/4	2,374.07
1		1		1		1	4,025.58	1	3,749.37	1	3,473.16	1	3,196.95	1	2,920.74	1	2,644.53	1	2,368.32
1/4		1/4		1/4		1/4	4,019.83	1/4	3,743.62	1/4	3,467.40	1/4	3,191.19	1/4	2,914.98	1/4	2,638.77	1/4	2,362.56
1/2		1/2		1/2		1/2	4,014.08	1/2	3,737.86	1/2	3,461.65	1/2	3,185.44	1/2	2,909.23	1/2	2,633.02	1/2	2,356.81
3/4		3/4		3/4		3/4	4,008.32	3/4	3,732.11	3/4	3,455.89	3/4	3,179.68	3/4	2,903.47	3/4	2,627.26	3/4	2,351.05
2		2		2		2	4,002.57	2	3,726.35	2	3,450.14	2	3,173.93	2	2,897.72	2	2,621.51	2	2,345.30
1/4		1/4		1/4		1/4	3,996.82	1/4	3,720.60	1/4	3,444.39	1/4	3,168.17	1/4	2,891.96	1/4	2,615.75	1/4	2,339.54
1/2		1/2		1/2		1/2	3,991.06	1/2	3,714.84	1/2	3,438.63	1/2	3,162.42	1/2	2,886.21	1/2	2,610.00	1/2	2,333.79
3/4		3/4		3/4		3/4	3,985.31	3/4	3,709.09	3/4	3,432.88	3/4	3,156.66	3/4	2,880.45	3/4	2,604.24	3/4	2,328.03
3		3		3		3	3,979.55	3	3,703.34	3	3,427.13	3	3,150.91	3	2,874.70	3	2,598.49	3	2,322.28
1/4		1/4		1/4		1/4	3,973.80	1/4	3,697.58	1/4	3,421.37	1/4	3,145.16	1/4	2,868.95	1/4	2,592.73	1/4	2,316.52
1/2		1/2		1/2		1/2	3,968.04	1/2	3,691.83	1/2	3,415.62	1/2	3,139.40	1/2	2,863.19	1/2	2,586.98	1/2	2,310.77
3/4		3/4		3/4		3/4	3,962.29	3/4	3,686.07	3/4	3,409.86	3/4	3,133.65	3/4	2,857.44	3/4	2,581.22	3/4	2,305.01
4		4		4		4	3,956.53	4	3,680.32	4	3,404.11	4	3,127.90	4	2,851.69	4	2,575.47	4	2,299.26
1/4		1/4		1/4		1/4	3,950.78	1/4	3,674.56	1/4	3,398.35	1/4	3,122.14	1/4	2,845.93	1/4	2,569.72	1/4	2,293.51
1/2		1/2		1/2		1/2	3,945.02	1/2	3,668.81	1/2	3,392.60	1/2	3,116.39	1/2	2,840.18	1/2	2,563.96	1/2	2,287.75
3/4		3/4		3/4		3/4	3,939.27	3/4	3,663.05	3/4	3,386.84	3/4	3,110.63	3/4	2,834.42	3/4	2,558.21	3/4	2,282.00
5		5		5		5	3,933.51	5	3,657.30	5	3,381.09	5	3,104.88	5	2,828.67	5	2,552.46	5	2,276.25
1/4		1/4		1/4		1/4	3,927.76	1/4	3,651.54	1/4	3,375.33	1/4	3,099.12	1/4	2,822.91	1/4	2,546.70	1/4	2,270.49
1/2		1/2		1/2		1/2	3,922.01	1/2	3,645.79	1/2	3,369.58	1/2	3,093.37	1/2	2,817.16	1/2	2,540.95	1/2	2,264.74
3/4		3/4		3/4		3/4	3,916.25	3/4	3,640.03	3/4	3,363.82	3/4	3,087.61	3/4	2,811.40	3/4	2,535.19	3/4	2,258.98
6		6		6		6	3,910.50	6	3,634.28	6	3,358.07	6	3,081.86	6	2,805.65	6	2,529.44	6	2,253.23
1/4		1/4		1/4		1/4	3,904.75	1/4	3,628.53	1/4	3,352.32	1/4	3,076.10	1/4	2,799.89	1/4	2,523.68	1/4	2,247.47
1/2		1/2		1/2		1/2	3,898.99	1/2	3,622.77	1/2	3,346.56	1/2	3,070.35	1/2	2,794.14	1/2	2,517.93	1/2	2,241.72
3/4		3/4		3/4		3/4	3,893.24	3/4	3,617.02	3/4	3,340.81	3/4	3,064.59	3/4	2,788.38	3/4	2,512.17	3/4	2,235.96
7		7		7	4,104.42	7	3,887.48	7	3,611.27	7	3,335.06	7	3,058.84	7	2,782.63	7	2,506.42	7	2,230.21
1/4		1/4		1/4	4,103.92	1/4	3,881.73	1/4	3,605.51	1/4	3,329.30	1/4	3,053.09	1/4	2,776.88	1/4	2,500.66	1/4	2,224.45
1/2		1/2		1/2	4,103.42	1/2	3,875.97	1/2	3,599.76	1/2	3,323.55	1/2	3,047.33	1/2	2,771.12	1/2	2,494.91	1/2	2,218.70
3/4		3/4		3/4	4,102.92	3/4	3,870.22	3/4	3,594.00	3/4	3,317.79	3/4	3,041.58	3/4	2,765.37	3/4	2,489.15	3/4	2,212.94
8		8		8	4,102.42	8	3,864.46	8	3,588.25	8	3,312.04	8	3,035.83	8	2,759.62	8	2,483.40	8	2,207.19
1/4		1/4		1/4	4,100.77	1/4	3,858.71	1/4	3,582.49	1/4	3,306.28	1/4	3,030.07	1/4	2,753.86	1/4	2,477.65	1/4	2,201.44
1/2		1/2		1/2	4,099.12	1/2	3,852.95	1/2	3,576.74	1/2	3,300.53	1/2	3,024.32	1/2	2,748.11	1/2	2,471.89	1/2	2,195.68
3/4		3/4		3/4	4,097.46	3/4	3,847.20	3/4	3,570.98	3/4	3,294.77	3/4	3,018.56	3/4	2,742.35	3/4	2,466.14	3/4	2,189.93
9		9		9	4,095.81	9	3,841.44	9	3,565.23	9	3,289.02	9	3,012.81	9	2,736.60	9	2,460.39	9	2,184.18
1/4		1/4		1/4	4,093.01	1/4	3,835.69	1/4	3,559.47	1/4	3,283.26	1/4	3,007.05	1/4	2,730.84	1/4	2,454.63	1/4	2,178.42
1/2		1/2		1/2	4,090.20	1/2	3,829.94	1/2	3,553.72	1/2	3,277.51	1/2	3,001.30	1/2	2,725.09	1/2	2,448.88	1/2	2,172.67
3/4		3/4		3/4	4,087.40	3/4	3,824.18	3/4	3,547.96	3/4	3,271.75	3/4	2,995.54	3/4	2,719.33	3/4	2,443.12	3/4	2,166.91
10		10		10	4,084.59	10	3,818.43	10	3,542.21	10	3,266.00	10	2,989.79	10	2,713.58	10	2,437.37	10	2,161.16
1/4		1/4		1/4	4,080.63	1/4	3,812.68	1/4	3,536.46	1/4	3,260.25	1/4	2,984.03	1/4	2,707.82	1/4	2,431.61	1/4	2,155.40
1/2		1/2		1/2	4,076.68	1/2	3,806.92	1/2	3,530.70	1/2	3,254.49	1/2	2,978.28	1/2	2,702.07	1/2	2,425.86	1/2	2,149.65
3/4		3/4		3/4	4,072.72	3/4	3,801.17	3/4	3,524.95	3/4	3,248.74	3/4	2,972.52	3/4	2,696.31	3/4	2,420.10	3/4	2,143.89
11		11		11	4,068.76	11	3,795.41	11	3,519.20	11	3,242.99	11	2,966.77	11	2,690.56	11	2,414.35	11	2,138.14
1/4		1/4		1/4	4,063.65	1/4	3,789.66	1/4	3,513.44	1/4	3,237.23	1/4	2,961.02	1/4	2,684.81	1/4	2,408.59	1/4	2,132.38
1/2		1/2		1/2	4,058.54	1/2	3,783.90	1/2	3,507.69	1/2	3,231.48	1/2	2,955.26	1/2	2,679.05	1/2	2,402.84	1/2	2,126.63
3/4		3/4		3/4	4,053.43	3/4	3,778.15	3/4	3,501.93	3/4	3,225.72	3/4	2,949.51	3/4	2,673.30	3/4	2,397.08	3/4	2,120.87

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 33'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 11530"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,115.12	0	1,838.91	0	1,562.70	0	1,286.49	0	1,010.35	0	734.73	0	458.88	0	182.65	0		0	
1/4	2,109.37	1/4	1,833.15	1/4	1,556.94	1/4	1,280.73	1/4	1,004.60	1/4	729.00	1/4	453.12	1/4	176.89	1/4		1/4	
1/2	2,103.61	1/2	1,827.40	1/2	1,551.19	1/2	1,274.98	1/2	998.84	1/2	723.26	1/2	447.36	1/2	171.14	1/2		1/2	
3/4	2,097.86	3/4	1,821.64	3/4	1,545.43	3/4	1,269.22	3/4	993.09	3/4	717.53	3/4	441.61	3/4	165.38	3/4		3/4	
1	2,092.11	1	1,815.89	1	1,539.68	1	1,263.47	1	987.34	1	711.80	1	435.85	1	159.63	1		1	
1/4	2,086.35	1/4	1,810.14	1/4	1,533.93	1/4	1,257.71	1/4	981.59	1/4	706.07	1/4	430.09	1/4	153.87	1/4		1/4	
1/2	2,080.60	1/2	1,804.38	1/2	1,528.17	1/2	1,251.96	1/2	975.83	1/2	700.33	1/2	424.34	1/2	148.12	1/2		1/2	
3/4	2,074.84	3/4	1,798.63	3/4	1,522.42	3/4	1,246.20	3/4	970.08	3/4	694.60	3/4	418.58	3/4	142.36	3/4		3/4	
2	2,069.09	2	1,792.88	2	1,516.67	2	1,240.45	2	964.33	2	688.87	2	412.83	2	136.61	2		2	
1/4	2,063.33	1/4	1,787.12	1/4	1,510.91	1/4	1,234.70	1/4	958.58	1/4	683.14	1/4	407.07	1/4	130.85	1/4		1/4	
1/2	2,057.58	1/2	1,781.36	1/2	1,505.16	1/2	1,228.94	1/2	952.82	1/2	677.40	1/2	401.32	1/2	125.10	1/2		1/2	
3/4	2,051.82	3/4	1,775.61	3/4	1,499.40	3/4	1,223.19	3/4	947.07	3/4	671.67	3/4	395.56	3/4	119.34	3/4		3/4	
3	2,046.07	3	1,769.85	3	1,493.65	3	1,217.44	3	941.32	3	665.94	3	389.81	3	113.59	3		3	
1/4	2,040.31	1/4	1,764.10	1/4	1,487.89	1/4	1,211.68	1/4	935.07	1/4	660.21	1/4	384.05	1/4	107.85	1/4		1/4	
1/2	2,034.56	1/2	1,758.34	1/2	1,482.14	1/2	1,205.93	1/2	928.81	1/2	654.47	1/2	378.30	1/2	102.12	1/2		1/2	
3/4	2,028.80	3/4	1,752.59	3/4	1,476.38	3/4	1,200.17	3/4	922.56	3/4	648.74	3/4	372.54	3/4	96.38	3/4		3/4	
4	2,023.05	4	1,746.84	4	1,470.63	4	1,194.42	4	916.31	4	643.01	4	366.79	4	90.65	4		4	
1/4	2,017.29	1/4	1,741.08	1/4	1,464.87	1/4	1,188.66	1/4	911.06	1/4	637.26	1/4	361.04	1/4	84.95	1/4		1/4	
1/2	2,011.54	1/2	1,735.33	1/2	1,459.12	1/2	1,182.91	1/2	905.80	1/2	631.51	1/2	355.28	1/2	79.25	1/2		1/2	
3/4	2,005.78	3/4	1,729.57	3/4	1,453.36	3/4	1,177.15	3/4	900.55	3/4	625.76	3/4	349.53	3/4	73.55	3/4		3/4	
5	2,000.03	5	1,723.82	5	1,447.61	5	1,171.40	5	895.30	5	620.01	5	343.78	5	67.85	5		5	
1/4	1,994.28	1/4	1,718.07	1/4	1,441.85	1/4	1,165.64	1/4	889.55	1/4	614.26	1/4	338.02	1/4	62.18	1/4		1/4	
1/2	1,988.52	1/2	1,712.31	1/2	1,436.10	1/2	1,159.89	1/2	883.79	1/2	608.50	1/2	332.27	1/2	56.52	1/2		1/2	
3/4	1,982.77	3/4	1,706.56	3/4	1,430.34	3/4	1,154.13	3/4	878.04	3/4	602.75	3/4	326.51	3/4	50.85	3/4		3/4	
6	1,977.02	6	1,700.81	6	1,424.59	6	1,148.38	6	872.29	6	597.00	6	320.76	6	45.19	6		6	
1/4	1,971.26	1/4	1,695.05	1/4	1,418.84	1/4	1,142.63	1/4	866.56	1/4	591.24	1/4	315.00	1/4	39.58	1/4		1/4	
1/2	1,965.51	1/2	1,689.30	1/2	1,413.08	1/2	1,136.88	1/2	860.83	1/2	585.49	1/2	309.25	1/2	33.98	1/2		1/2	
3/4	1,959.75	3/4	1,683.54	3/4	1,407.33	3/4	1,131.13	3/4	855.10	3/4	579.73	3/4	303.49	3/4	28.37	3/4		3/4	
7	1,954.00	7	1,677.79	7	1,401.58	7	1,125.38	7	849.37	7	573.98	7	297.74	7	22.77	7		7	
1/4	1,948.24	1/4	1,672.03	1/4	1,395.82	1/4	1,119.63	1/4	843.64	1/4	568.22	1/4	291.98	1/4	17.22	1/4		1/4	
1/2	1,942.49	1/2	1,666.28	1/2	1,390.07	1/2	1,113.87	1/2	837.90	1/2	562.47	1/2	286.23	1/2	11.66	1/2		1/2	
3/4	1,936.73	3/4	1,660.52	3/4	1,384.31	3/4	1,108.12	3/4	832.17	3/4	556.71	3/4	280.47	3/4	6.11	3/4		3/4	
8	1,930.98	8	1,654.77	8	1,378.56	8	1,102.37	8	826.44	8	550.96	8	274.72	8	0.56	8		8	
1/4	1,925.22	1/4	1,649.01	1/4	1,372.80	1/4	1,096.62	1/4	820.71	1/4	545.21	1/4	268.97	1/4		1/4		1/4	
1/2	1,919.47	1/2	1,643.26	1/2	1,367.05	1/2	1,090.87	1/2	814.97	1/2	539.45	1/2	263.21	1/2		1/2		1/2	
3/4	1,913.71	3/4	1,637.50	3/4	1,361.29	3/4	1,085.12	3/4	809.24	3/4	533.70	3/4	257.46	3/4		3/4		3/4	
9	1,907.96	9	1,631.75	9	1,355.54	9	1,079.37	9	803.51	9	527.95	9	251.71	9		9		9	
1/4	1,902.21	1/4	1,626.00	1/4	1,349.78	1/4	1,073.62	1/4	797.78	1/4	522.19	1/4	245.95	1/4		1/4		1/4	
1/2	1,896.45	1/2	1,620.24	1/2	1,344.03	1/2	1,067.86	1/2	792.04	1/2	516.44	1/2	240.20	1/2		1/2		1/2	
3/4	1,890.70	3/4	1,614.49	3/4	1,338.27	3/4	1,062.11	3/4	786.31	3/4	510.68	3/4	234.44	3/4		3/4		3/4	
10	1,884.95	10	1,608.74	10	1,332.52	10	1,056.36	10	780.58	10	504.93	10	228.69	10		10		10	
1/4	1,879.19	1/4	1,602.98	1/4	1,326.77	1/4	1,050.61	1/4	774.85	1/4	499.17	1/4	222.93	1/4		1/4		1/4	
1/2	1,873.44	1/2	1,597.23	1/2	1,321.01	1/2	1,044.86	1/2	769.11	1/2	493.41	1/2	217.18	1/2		1/2		1/2	
3/4	1,867.68	3/4	1,591.47	3/4	1,315.26	3/4	1,039.11	3/4	763.38	3/4	487.66	3/4	211.42	3/4		3/4		3/4	
11	1,861.93	11	1,585.72	11	1,309.51	11	1,033.36	11	757.65	11	481.90	11	205.67	11		11		11	
1/4	1,856.17	1/4	1,579.96	1/4	1,303.75	1/4	1,027.61	1/4	751.92	1/4	476.14	1/4	199.91	1/4		1/4		1/4	
1/2	1,850.42	1/2	1,574.21	1/2	1,298.00	1/2	1,021.85	1/2	746.19	1/2	470.39	1/2	194.16	1/2		1/2		1/2	
3/4	1,844.66	3/4	1,568.45	3/4	1,292.24	3/4	1,016.10	3/4	740.46	3/4	464.63	3/4	188.40	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED BY: 11/30/2007 INT.  
RECALCULATED: 02/15/2022 JS  
REPRINTED: 02/15/2022 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2022



# BARGE "KIRBY 11530"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-07 3/4"

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	3,616.23	0	3,369.33	0	3,122.26	0	2,875.18	0	2,628.11	0	2,381.03	0	2,133.96
1/4		1/4		1/4		1/4	3,611.14	1/4	3,364.19	1/4	3,117.11	1/4	2,870.03	1/4	2,622.96	1/4	2,375.88	1/4	2,128.81
1/2		1/2		1/2		1/2	3,606.06	1/2	3,359.04	1/2	3,111.97	1/2	2,864.89	1/2	2,617.82	1/2	2,370.74	1/2	2,123.67
3/4		3/4		3/4		3/4	3,600.97	3/4	3,353.89	3/4	3,106.82	3/4	2,859.74	3/4	2,612.67	3/4	2,365.59	3/4	2,118.52
1		1		1		1	3,595.82	1	3,348.74	1	3,101.67	1	2,854.59	1	2,607.52	1	2,360.44	1	2,113.37
1/4		1/4		1/4		1/4	3,590.68	1/4	3,343.60	1/4	3,096.52	1/4	2,849.44	1/4	2,602.37	1/4	2,355.29	1/4	2,108.22
1/2		1/2		1/2		1/2	3,585.53	1/2	3,338.45	1/2	3,091.38	1/2	2,844.30	1/2	2,597.23	1/2	2,350.15	1/2	2,103.08
3/4		3/4		3/4		3/4	3,580.38	3/4	3,333.30	3/4	3,086.23	3/4	2,839.15	3/4	2,592.08	3/4	2,345.00	3/4	2,097.93
2		2		2		2	3,575.23	2	3,328.15	2	3,081.08	2	2,834.00	2	2,586.93	2	2,339.85	2	2,092.78
1/4		1/4		1/4		1/4	3,570.09	1/4	3,323.01	1/4	3,075.93	1/4	2,828.85	1/4	2,581.78	1/4	2,334.70	1/4	2,087.63
1/2		1/2		1/2		1/2	3,564.94	1/2	3,317.86	1/2	3,070.79	1/2	2,823.71	1/2	2,576.64	1/2	2,329.56	1/2	2,082.49
3/4		3/4		3/4		3/4	3,559.79	3/4	3,312.71	3/4	3,065.64	3/4	2,818.56	3/4	2,571.49	3/4	2,324.41	3/4	2,077.34
3		3		3		3	3,554.64	3	3,307.56	3	3,060.49	3	2,813.41	3	2,566.34	3	2,319.26	3	2,072.19
1/4		1/4		1/4		1/4	3,549.50	1/4	3,302.42	1/4	3,055.34	1/4	2,808.26	1/4	2,561.19	1/4	2,314.11	1/4	2,067.04
1/2		1/2		1/2		1/2	3,544.35	1/2	3,297.27	1/2	3,050.20	1/2	2,803.12	1/2	2,556.05	1/2	2,308.97	1/2	2,061.90
3/4		3/4		3/4		3/4	3,539.20	3/4	3,292.12	3/4	3,045.05	3/4	2,797.97	3/4	2,550.90	3/4	2,303.82	3/4	2,056.75
4		4		4		4	3,534.05	4	3,286.97	4	3,039.90	4	2,792.82	4	2,545.75	4	2,298.67	4	2,051.60
1/4		1/4		1/4		1/4	3,528.91	1/4	3,281.83	1/4	3,034.75	1/4	2,787.67	1/4	2,540.60	1/4	2,293.52	1/4	2,046.45
1/2		1/2		1/2		1/2	3,523.76	1/2	3,276.68	1/2	3,029.61	1/2	2,782.53	1/2	2,535.46	1/2	2,288.38	1/2	2,041.31
3/4		3/4		3/4		3/4	3,518.61	3/4	3,271.53	3/4	3,024.46	3/4	2,777.38	3/4	2,530.31	3/4	2,283.23	3/4	2,036.16
5		5		5		5	3,513.46	5	3,266.39	5	3,019.31	5	2,772.23	5	2,525.16	5	2,278.08	5	2,031.01
1/4		1/4		1/4		1/4	3,508.32	1/4	3,261.24	1/4	3,014.16	1/4	2,767.08	1/4	2,520.01	1/4	2,272.93	1/4	2,025.86
1/2		1/2		1/2		1/2	3,503.17	1/2	3,256.10	1/2	3,009.02	1/2	2,761.94	1/2	2,514.87	1/2	2,267.79	1/2	2,020.72
3/4		3/4		3/4		3/4	3,498.02	3/4	3,250.95	3/4	3,003.87	3/4	2,756.79	3/4	2,509.72	3/4	2,262.64	3/4	2,015.57
6		6		6		6	3,492.87	6	3,245.80	6	2,998.72	6	2,751.64	6	2,504.57	6	2,257.49	6	2,010.42
1/4		1/4		1/4		1/4	3,487.73	1/4	3,240.66	1/4	2,993.57	1/4	2,746.50	1/4	2,499.42	1/4	2,252.34	1/4	2,005.27
1/2		1/2		1/2		1/2	3,482.58	1/2	3,235.51	1/2	2,988.43	1/2	2,741.35	1/2	2,494.28	1/2	2,247.20	1/2	2,000.13
3/4		3/4		3/4		3/4	3,477.43	3/4	3,230.36	3/4	2,983.28	3/4	2,736.21	3/4	2,489.13	3/4	2,242.05	3/4	1,994.98
7		7		7		7	3,671.03	7	3,472.28	7	3,225.21	7	2,978.13	7	2,731.06	7	2,483.98	7	2,236.90
1/4		1/4		1/4		1/4	3,670.59	1/4	3,467.14	1/4	3,220.07	1/4	2,972.98	1/4	2,725.91	1/4	2,478.83	1/4	2,231.76
1/2		1/2		1/2		1/2	3,670.14	1/2	3,461.99	1/2	3,214.92	1/2	2,967.84	1/2	2,720.77	1/2	2,473.69	1/2	2,226.61
3/4		3/4		3/4		3/4	3,669.69	3/4	3,456.84	3/4	3,209.77	3/4	2,962.69	3/4	2,715.62	3/4	2,468.54	3/4	2,221.47
8		8		8		8	3,668.21	8	3,451.69	8	3,204.62	8	2,957.54	8	2,710.47	8	2,463.39	8	2,216.32
1/4		1/4		1/4		1/4	3,666.74	1/4	3,446.55	1/4	3,199.48	1/4	2,952.39	1/4	2,705.32	1/4	2,458.24	1/4	2,211.17
1/2		1/2		1/2		1/2	3,665.26	1/2	3,441.40	1/2	3,194.33	1/2	2,947.25	1/2	2,700.18	1/2	2,453.10	1/2	2,206.03
3/4		3/4		3/4		3/4	3,663.78	3/4	3,436.25	3/4	3,189.18	3/4	2,942.10	3/4	2,695.03	3/4	2,447.95	3/4	2,200.88
9		9		9		9	3,661.27	9	3,431.10	9	3,184.03	9	2,936.95	9	2,689.88	9	2,442.80	9	2,195.73
1/4		1/4		1/4		1/4	3,658.76	1/4	3,425.96	1/4	3,178.89	1/4	2,931.80	1/4	2,684.73	1/4	2,437.65	1/4	2,190.58
1/2		1/2		1/2		1/2	3,656.25	1/2	3,420.81	1/2	3,173.74	1/2	2,926.66	1/2	2,679.59	1/2	2,432.51	1/2	2,185.44
3/4		3/4		3/4		3/4	3,653.74	3/4	3,415.66	3/4	3,168.59	3/4	2,921.51	3/4	2,674.44	3/4	2,427.36	3/4	2,180.29
10		10		10		10	3,650.20	10	3,410.51	10	3,163.44	10	2,916.36	10	2,669.29	10	2,422.21	10	2,175.14
1/4		1/4		1/4		1/4	3,646.67	1/4	3,405.37	1/4	3,158.30	1/4	2,911.21	1/4	2,664.14	1/4	2,417.06	1/4	2,169.99
1/2		1/2		1/2		1/2	3,643.13	1/2	3,400.22	1/2	3,153.15	1/2	2,906.07	1/2	2,659.00	1/2	2,411.92	1/2	2,164.85
3/4		3/4		3/4		3/4	3,639.59	3/4	3,395.07	3/4	3,148.00	3/4	2,900.92	3/4	2,653.85	3/4	2,406.77	3/4	2,159.70
11		11		11		11	3,635.02	11	3,389.92	11	3,142.85	11	2,895.77	11	2,648.70	11	2,401.62	11	2,154.55
1/4		1/4		1/4		1/4	3,630.45	1/4	3,384.78	1/4	3,137.70	1/4	2,890.62	1/4	2,643.55	1/4	2,396.47	1/4	2,149.40
1/2		1/2		1/2		1/2	3,625.88	1/2	3,379.63	1/2	3,132.56	1/2	2,885.48	1/2	2,638.41	1/2	2,391.33	1/2	2,144.26
3/4		3/4		3/4		3/4	3,621.31	3/4	3,374.48	3/4	3,127.41	3/4	2,880.33	3/4	2,633.26	3/4	2,386.18	3/4	2,139.11

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 27'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 11530"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-07 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	1,886.88	0	1,639.80	0	1,392.73	0	1,145.66	0	898.65	0	652.13	0	405.37	0	158.29	0		0	
1/4	1,881.73	1/4	1,634.66	1/4	1,387.58	1/4	1,140.51	1/4	893.51	1/4	647.00	1/4	400.22	1/4	153.14	1/4		1/4	
1/2	1,876.59	1/2	1,629.51	1/2	1,382.44	1/2	1,135.37	1/2	888.36	1/2	641.88	1/2	395.07	1/2	148.00	1/2		1/2	
3/4	1,871.44	3/4	1,624.37	3/4	1,377.29	3/4	1,130.22	3/4	883.22	3/4	636.75	3/4	389.92	3/4	142.85	3/4		3/4	
1	1,866.29	1	1,619.22	1	1,372.14	1	1,125.07	1	878.07	1	631.62	1	384.77	1	137.70	1		1	
1/4	1,861.14	1/4	1,614.07	1/4	1,366.99	1/4	1,119.92	1/4	872.93	1/4	626.49	1/4	379.62	1/4	132.55	1/4		1/4	
1/2	1,856.00	1/2	1,608.93	1/2	1,361.85	1/2	1,114.78	1/2	867.78	1/2	621.37	1/2	374.48	1/2	127.41	1/2		1/2	
3/4	1,850.85	3/4	1,603.78	3/4	1,356.70	3/4	1,109.63	3/4	862.64	3/4	616.24	3/4	369.33	3/4	122.26	3/4		3/4	
2	1,845.70	2	1,598.63	2	1,351.55	2	1,104.48	2	857.49	2	611.11	2	364.18	2	117.11	2		2	
1/4	1,840.55	1/4	1,593.48	1/4	1,346.40	1/4	1,099.33	1/4	852.35	1/4	605.99	1/4	359.03	1/4	111.96	1/4		1/4	
1/2	1,835.41	1/2	1,588.34	1/2	1,341.26	1/2	1,094.19	1/2	847.20	1/2	600.86	1/2	353.89	1/2	106.81	1/2		1/2	
3/4	1,830.26	3/4	1,583.19	3/4	1,336.11	3/4	1,089.04	3/4	842.06	3/4	595.74	3/4	348.74	3/4	101.66	3/4		3/4	
3	1,825.11	3	1,578.04	3	1,330.96	3	1,083.89	3	836.91	3	590.61	3	343.59	3	96.53	3		3	
1/4	1,819.96	1/4	1,572.89	1/4	1,325.81	1/4	1,078.74	1/4	831.77	1/4	585.48	1/4	338.44	1/4	91.40	1/4		1/4	
1/2	1,814.82	1/2	1,567.75	1/2	1,320.67	1/2	1,073.60	1/2	826.62	1/2	580.36	1/2	333.30	1/2	86.27	1/2		1/2	
3/4	1,809.67	3/4	1,562.60	3/4	1,315.52	3/4	1,068.45	3/4	821.48	3/4	575.23	3/4	328.15	3/4	81.14	3/4		3/4	
4	1,804.52	4	1,557.45	4	1,310.37	4	1,063.30	4	816.33	4	570.08	4	323.00	4	76.04	4		4	
1/4	1,799.37	1/4	1,552.30	1/4	1,305.22	1/4	1,058.15	1/4	811.19	1/4	564.94	1/4	317.85	1/4	70.94	1/4		1/4	
1/2	1,794.23	1/2	1,547.16	1/2	1,300.08	1/2	1,053.01	1/2	806.04	1/2	559.79	1/2	312.71	1/2	65.84	1/2		1/2	
3/4	1,789.08	3/4	1,542.01	3/4	1,294.93	3/4	1,047.86	3/4	800.90	3/4	554.65	3/4	307.56	3/4	60.74	3/4		3/4	
5	1,783.93	5	1,536.86	5	1,289.78	5	1,042.71	5	795.75	5	549.50	5	302.41	5	55.67	5		5	
1/4	1,778.78	1/4	1,531.71	1/4	1,284.63	1/4	1,037.56	1/4	790.60	1/4	544.36	1/4	297.26	1/4	50.61	1/4		1/4	
1/2	1,773.64	1/2	1,526.57	1/2	1,279.49	1/2	1,032.42	1/2	785.46	1/2	539.21	1/2	292.12	1/2	45.54	1/2		1/2	
3/4	1,768.49	3/4	1,521.42	3/4	1,274.34	3/4	1,027.27	3/4	780.31	3/4	534.07	3/4	286.97	3/4	40.48	3/4		3/4	
6	1,763.34	6	1,516.27	6	1,269.19	6	1,022.12	6	775.18	6	528.92	6	281.82	6	35.46	6		6	
1/4	1,758.19	1/4	1,511.12	1/4	1,264.04	1/4	1,016.98	1/4	770.06	1/4	523.77	1/4	276.67	1/4	30.45	1/4		1/4	
1/2	1,753.05	1/2	1,505.98	1/2	1,258.90	1/2	1,011.83	1/2	764.93	1/2	518.63	1/2	271.53	1/2	25.43	1/2		1/2	
3/4	1,747.90	3/4	1,500.83	3/4	1,253.75	3/4	1,006.69	3/4	759.81	3/4	513.48	3/4	266.38	3/4	20.42	3/4		3/4	
7	1,742.75	7	1,495.68	7	1,248.60	7	1,001.54	7	754.68	7	508.33	7	261.23	7	15.45	7		7	
1/4	1,737.60	1/4	1,490.53	1/4	1,243.45	1/4	996.40	1/4	749.55	1/4	503.18	1/4	256.08	1/4	10.49	1/4		1/4	
1/2	1,732.46	1/2	1,485.39	1/2	1,238.31	1/2	991.25	1/2	744.43	1/2	498.04	1/2	250.94	1/2	5.52	1/2		1/2	
3/4	1,727.31	3/4	1,480.24	3/4	1,233.16	3/4	986.11	3/4	739.30	3/4	492.89	3/4	245.79	3/4	0.56	3/4		3/4	
8	1,722.16	8	1,475.09	8	1,228.01	8	980.97	8	734.17	8	487.74	8	240.64	8		8		8	
1/4	1,717.02	1/4	1,469.94	1/4	1,222.86	1/4	975.82	1/4	729.04	1/4	482.59	1/4	235.50	1/4		1/4		1/4	
1/2	1,711.87	1/2	1,464.80	1/2	1,217.72	1/2	970.68	1/2	723.92	1/2	477.45	1/2	230.35	1/2		1/2		1/2	
3/4	1,706.73	3/4	1,459.65	3/4	1,212.57	3/4	965.54	3/4	718.79	3/4	472.30	3/4	225.21	3/4		3/4		3/4	
9	1,701.58	9	1,454.50	9	1,207.42	9	960.39	9	713.66	9	467.15	9	220.06	9		9		9	
1/4	1,696.43	1/4	1,449.35	1/4	1,202.28	1/4	955.25	1/4	708.53	1/4	462.00	1/4	214.91	1/4		1/4		1/4	
1/2	1,691.29	1/2	1,444.21	1/2	1,197.13	1/2	950.10	1/2	703.41	1/2	456.86	1/2	209.77	1/2		1/2		1/2	
3/4	1,686.14	3/4	1,439.06	3/4	1,191.99	3/4	944.96	3/4	698.28	3/4	451.71	3/4	204.62	3/4		3/4		3/4	
10	1,680.99	10	1,433.91	10	1,186.84	10	939.81	10	693.15	10	446.56	10	199.47	10		10		10	
1/4	1,675.84	1/4	1,428.76	1/4	1,181.69	1/4	934.67	1/4	688.02	1/4	441.41	1/4	194.32	1/4		1/4		1/4	
1/2	1,670.70	1/2	1,423.62	1/2	1,176.55	1/2	929.52	1/2	682.90	1/2	436.27	1/2	189.18	1/2		1/2		1/2	
3/4	1,665.55	3/4	1,418.47	3/4	1,171.40	3/4	924.38	3/4	677.77	3/4	431.12	3/4	184.03	3/4		3/4		3/4	
11	1,660.40	11	1,413.32	11	1,166.25	11	919.23	11	672.64	11	425.97	11	178.88	11		11		11	
1/4	1,655.25	1/4	1,408.17	1/4	1,161.10	1/4	914.09	1/4	667.51	1/4	420.82	1/4	173.73	1/4		1/4		1/4	
1/2	1,650.10	1/2	1,403.03	1/2	1,155.96	1/2	908.94	1/2	662.39	1/2	415.67	1/2	168.59	1/2		1/2		1/2	
3/4	1,644.95	3/4	1,397.88	3/4	1,150.81	3/4	903.80	3/4	657.26	3/4	410.52	3/4	163.44	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2022