BARGE "KIRBY 11511"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**
1 CENTER	- 00-0/8	00-0/8	- 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
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	00-1/4	- 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

(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 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 162'-06"

July 3, 2023

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

http://www.pmacorp.net

BARGE "KIRBY 11511"

1 CENTER
ULLAGE TABLE

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

GAUGE HEIGHT 17'-10"

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		0	3,652.23	0	3,405.42	0	3,158.84	0	2,911.08	0	2,639.25	0	2,367.32
1/4		1/4		1/4		1/4		1/4	3,647.08	1/4	3,400.28	1/4	3,153.70	1/4	2,905.41	1/4	2,633.58	1/4	2,361.65
1/2		1/2		1/2		1/2		1/2	3,641.94	1/2	3,395.14	1/2	3,148.56	1/2	2,899.75	1/2	2,627.92	1/2	2,355.99
3/4		3/4		3/4		3/4		3/4	3,636.80	3/4	3,389.99	3/4	3,143.42	3/4	2,894.09	3/4	2,622.26	3/4	2,350.32
1		1		1		1		1	3,631.66	1	3,384.85	1	3,138.28	1	2,888.42	1	2,616.59	1	2,344.66
1/4		1/4		1/4		1/4		1/4	3,626.52	1/4	3,379.71	1/4	3,133.14	1/4	2,882.76	1/4	2,610.93	1/4	2,338.99
1/2		1/2		1/2		1/2		1/2	3,621.38	1/2	3,374.57	1/2	3,128.00	1/2	2,877.10	1/2	2,605.26	1/2	2,333.32
3/4		3/4		3/4		3/4		3/4	3,616.24	3/4	3,369.43	3/4	3,122.86	3/4	2,871.43	3/4	2,599.60	3/4	2,327.66
2		2		2		2	3,835.42	2	3,611.10	2	3,364.28	2	3,117.72	2	2,865.77	2	2,593.94	2	2,321.99
1/4		1/4		1/4		1/4	3,833.66	1/4	3,605.96	1/4	3,359.15	1/4	3,112.58	1/4	2,860.11	1/4	2,588.27	1/4	2,316.33
1/2		1/2		1/2		1/2	3,831.90	1/2	3,600.82	1/2	3,354.01	1/2	3,107.44	1/2	2,854.45	1/2	2,582.61	1/2	2,310.66
3/4		3/4		3/4		3/4	3,830.14	3/4	3,595.67	3/4	3,348.87	3/4	3,102.30	3/4	2,848.78	3/4	2,576.94	3/4	2,305.00
3		3		3		3	3,828.39	3	3,590.53	3	3,343.73	3	3,097.16	3	2,843.12	3	2,571.28	3	2,299.33
1/4		1/4		1/4		1/4	3,825.00	1/4	3,585.39	1/4	3,338.59	1/4	3,092.02	1/4	2,837.46	1/4	2,565.61	1/4	2,293.67
1/2		1/2		1/2		1/2	3,821.62	1/2	3,580.25	1/2	3,333.46	1/2	3,086.88	1/2	2,831.79	1/2	2,559.94	1/2	2,288.00
3/4		3/4		3/4		3/4	3,818.24	3/4	3,575.11	3/4	3,328.32	3/4	3,081.74	3/4	2,826.13	3/4	2,554.28	3/4	2,282.34
4		4		4		4	3,814.86	4	3,569.96	4	3,323.19	4	3,076.60	4	2,820.47	4	2,548.61	4	2,276.67
1/4		1/4		1/4		1/4	3,810.20	1/4	3,564.82	1/4	3,318.05	1/4	3,071.46	1/4	2,814.80	1/4	2,542.95	1/4	2,271.00
1/2		1/2		1/2		1/2	3,805.53	1/2	3,559.68	1/2	3,312.92	1/2	3,066.32	1/2	2,809.14	1/2	2,537.28	1/2	2,265.34
3/4		3/4		3/4		3/4	3,800.86	3/4	3,554.54	3/4	3,307.78	3/4	3,061.18	3/4	2,803.48	3/4	2,531.62	3/4	2,259.67
5		5		5		5	3,796.20	5	3,549.40	5	3,302.65	5	3,056.04	5	2,797.81	5	2,525.95	5	2,254.01
1/4		1/4		1/4		1/4	3,791.05	1/4	3,544.25	1/4	3,297.51	1/4	3,050.90	1/4	2,792.15	1/4	2,520.29	1/4	2,248.36
1/2		1/2		1/2		1/2	3,785.91	1/2	3,539.11	1/2	3,292.38	1/2	3,045.76	1/2	2,786.49	1/2	2,514.62	1/2	2,242.70
3/4		3/4		3/4		3/4	3,780.77	3/4	3,533.97	3/4	3,287.24	3/4	3,040.62	3/4	2,780.83	3/4	2,508.96	3/4	2,237.05
6		6		6		6	3,775.63	6	3,528.83	6	3,282.11	6	3,035.48	6	2,775.16	6	2,503.29	6	2,231.40
1/4		1/4		1/4		1/4	3,770.49	1/4	3,523.69	1/4	3,276.97	1/4	3,030.34	1/4	2,769.50	1/4	2,497.62	1/4	2,225.76
1/2		1/2		1/2		1/2	3,765.35	1/2	3,518.54	1/2	3,271.84	1/2	3,025.20	1/2	2,763.84	1/2	2,491.96	1/2	2,220.12
3/4		3/4		3/4		3/4	3,760.20	3/4	3,513.40	3/4	3,266.70	3/4	3,020.06	3/4	2,758.17	3/4	2,486.29	3/4	2,214.48
7		7		7		7	3,755.06	7	3,508.26	7	3,261.57	7	3,014.92	7	2,752.51	7	2,480.63	7	2,208.84
1/4		1/4		1/4		1/4	3,749.92	1/4	3,503.12	1/4	3,256.43	1/4	3,009.78	1/4	2,746.85	1/4	2,474.96	1/4	2,203.20
1/2		1/2		1/2		1/2	3,744.78	1/2	3,497.98	1/2	3,251.30	1/2	3,004.64	1/2	2,741.18	1/2	2,469.30	1/2	2,197.56
3/4		3/4		3/4		3/4	3,739.64	3/4	3,492.83	3/4	3,246.16	3/4	2,999.50	3/4	2,735.52	3/4	2,463.63	3/4	2,191.93
8		8		8		8	3,734.49	8	3,487.69	8	3,241.03	8	2,994.36	8	2,729.86	8	2,457.97	8	2,186.29
1/4		1/4		1/4		1/4	3,729.35	1/4	3,482.55	1/4	3,235.89	1/4	2,989.22	1/4	2,724.19	1/4	2,452.30	1/4	2,180.65
1/2		1/2		1/2		1/2	3,724.21	1/2	3,477.41	1/2	3,230.76	1/2	2,984.08	1/2	2,718.53	1/2	2,446.63	1/2	2,175.01
3/4		3/4		3/4		3/4	3,719.07	3/4	3,472.27	3/4	3,225.62	3/4	2,978.94	3/4	2,712.87	3/4	2,440.97	3/4	2,169.37
9		9		9		9	3,713.93	9	3,467.12	9	3,220.49	9	2,973.80	9	2,707.20	9	2,435.30	9	2,163.73
1/4		1/4		1/4		1/4	3,708.78	1/4	3,461.98	1/4	3,215.35	1/4	2,968.66	1/4	2,701.54	1/4	2,429.64	1/4	2,158.09
1/2		1/2		1/2		1/2	3,703.64	1/2	3,456.84	1/2	3,210.21	1/2	2,963.52	1/2	2,695.88	1/2	2,423.97	1/2	2,152.45
3/4		3/4		3/4		3/4	3,698.50	3/4	3,451.70	3/4	3,205.08	3/4	2,958.38	3/4	2,690.22	3/4	2,418.31	3/4	2,146.81
10		10		10		10	3,693.36	10	3,446.56	10	3,199.94	10	2,953.24	10	2,684.55	10	2,412.64	10	2,141.17
1/4		1/4		1/4		1/4	3,688.22	1/4	3,441.41	1/4	3,194.81	1/4	2,948.10	1/4	2,678.89	1/4	2,406.98	1/4	2,135.53
1/2		1/2		1/2		1/2	3,683.07	1/2	3,436.27	1/2	3,189.67	1/2	2,942.96	1/2	2,673.23	1/2	2,401.31	1/2	2,129.89
3/4		3/4		3/4		3/4	3,677.93	3/4	3,431.13	3/4	3,184.53	3/4	2,937.82	3/4	2,667.56	3/4	2,395.65	3/4	2,124.26
11		11		11		11	3,672.79	11	3,425.99	11	3,179.40	11	2,932.68	11	2,661.90	11	2,389.98	11	2,118.62
1/4		1/4		1/4		1/4	3,667.65	1/4	3,420.85	1/4	3,174.26	1/4	2,927.28	1/4	2,656.24	1/4	2,384.31	1/4	2,112.98
1/2		1/2		1/2		1/2	3,662.51	1/2	3,415.70	1/2	3,169.12	1/2	2,921.88	1/2	2,650.57	1/2	2,378.65	1/2	2,107.34
3/4		3/4		3/4		3/4	3,657.37	3/4	3,410.56	3/4	3,163.98	3/4	2,916.48	3/4	2,644.91	3/4	2,372.98	3/4	2,101.70

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 1'-00" OFF CENTERLINE AND 28'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 11511"

1 CENTER
ULLAGE TABLE

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

GAUGE HEIGHT 17'-10"

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	2,096.06	0	1,824.53	0	1,552.64	0	1,280.75	0	1,008.86	0	740.29	0	470.11	0	197.72	0		0	
1/4	2,090.42	1/4	1,818.87	1/4	1,546.97	1/4	1,275.08	1/4	1,003.19	1/4	734.75	1/4	464.44	1/4	192.04	1/4		1/4	
1/2	2,084.78	1/2	1,813.20	1/2	1,541.31	1/2	1,269.42	1/2	997.53	1/2	729.22	1/2	458.77	1/2	186.36	1/2		1/2	
3/4	2,079.14	3/4	1,807.54	3/4	1,535.65	3/4	1,263.75	3/4	991.86	3/4	723.68	3/4	453.10	3/4	180.68	3/4		3/4	
1	2,073.50	1	1,801.87	1	1,529.98	1	1,258.09	1	986.20	1	718.14	1	447.44	1	175.00	1		1	
1/4	2,067.86	1/4	1,796.21	1/4	1,524.32	1/4	1,252.43	1/4	980.53	1/4	712.61	1/4	441.77	1/4	169.32	1/4		1/4	
1/2	2,062.22	1/2	1,790.54	1/2	1,518.65	1/2	1,246.76	1/2	974.87	1/2	707.07	1/2	436.10	1/2	163.64	1/2		1/2	
3/4	2,056.58	3/4	1,784.88	3/4	1,512.99	3/4	1,241.10	3/4	969.21	3/4	701.54	3/4	430.44	3/4	157.96	3/4		3/4	
2	2,050.95	2	1,779.22	2	1,507.32	2	1,235.43	2	963.54	2	696.00	2	424.77	2	152.28	2		2	
1/4	2,045.31	1/4	1,773.55	1/4	1,501.66	1/4	1,229.77	1/4	957.88	1/4	690.46	1/4	419.10	1/4	146.61	1/4		1/4	
1/2	2,039.67	1/2	1,767.89	1/2	1,496.00	1/2	1,224.10	1/2	952.21	1/2	684.93	1/2	413.43	1/2	140.93	1/2		1/2	
3/4	2,034.03	3/4	1,762.22	3/4	1,490.33	3/4	1,218.44	3/4	946.55	3/4	679.39	3/4	407.77	3/4	135.25	3/4		3/4	
3	2,028.39	3	1,756.56	3	1,484.67	3	1,212.78	3	940.88	3	673.85	3	402.10	3	129.57	3		3	
1/4	2,022.74	1/4	1,750.89	1/4	1,479.00	1/4	1,207.11	1/4	935.22	1/4	668.25	1/4	396.43	1/4	123.89	1/4		1/4	
1/2	2,017.09	1/2	1,745.23	1/2	1,473.34	1/2	1,201.45	1/2	929.56	1/2	662.65	1/2	390.76	1/2	118.21	1/2		1/2	
3/4	2,011.44	3/4	1,739.56	3/4	1,467.67	3/4	1,195.78	3/4	923.89	3/4	657.05	3/4	385.09	3/4	112.53	3/4		3/4	
4	2,005.79	4	1,733.90	4	1,462.01	4	1,190.12	4	918.23	4	651.45	4	379.42	4	106.85	4		4	
1/4	2,000.13	1/4	1,728.24	1/4	1,456.34	1/4	1,184.45	1/4	912.56	1/4	645.78	1/4	373.75	1/4	101.17	1/4		1/4	
1/2	1,994.46	1/2	1,722.57	1/2	1,450.68	1/2	1,178.79	1/2	906.90	1/2	640.12	1/2	368.07	1/2	95.50	1/2		1/2	
3/4	1,988.80	3/4	1,716.91	3/4	1,445.02	3/4	1,173.12	3/4	901.23	3/4	634.45	3/4	362.40	3/4	89.82	3/4		3/4	
5	1,983.13	5	1,711.24	5	1,439.35	5	1,167.46	5	895.57	5	628.78	5	356.72	5	84.14	5		5	
1/4	1,977.47	1/4	1,705.58	1/4	1,433.69	1/4	1,161.80	1/4	889.97	1/4	623.12	1/4	351.05	1/4	78.46	1/4		1/4	
1/2	1,971.80	1/2	1,699.91	1/2	1,428.02	1/2	1,156.13	1/2	884.37	1/2	617.45	1/2	345.37	1/2	72.78	1/2		1/2	
3/4	1,966.14	3/4	1,694.25	3/4	1,422.36	3/4	1,150.47	3/4	878.77	3/4	611.78	3/4	339.69	3/4	67.10	3/4		3/4	
6	1,960.48	6	1,688.58	6	1,416.69	6	1,144.80	6	873.17	6	606.12	6	334.01	6	61.42	6		6	
1/4	1,954.81	1/4	1,682.92	1/4	1,411.03	1/4	1,139.14	1/4	867.63	1/4	600.45	1/4	328.33	1/4	55.74	1/4		1/4	
1/2	1,949.15	1/2	1,677.26	1/2	1,405.36	1/2	1,133.47	1/2	862.09	1/2	594.78	1/2	322.65	1/2	50.06	1/2		1/2	
3/4	1,943.48	3/4	1,671.59	3/4	1,399.70	3/4	1,127.81	3/4	856.55	3/4	589.12	3/4	316.97	3/4	44.39	3/4		3/4	
7	1,937.82	7	1,665.93	7	1,394.04	7	1,122.14	7	851.02	7	583.45	7	311.29	7	38.71	7		7	
1/4	1,932.15	1/4	1,660.26	1/4	1,388.37	1/4	1,116.48	1/4	845.48	1/4	577.78	1/4	305.61	1/4	33.60	1/4		1/4	
1/2	1,926.49	1/2	1,654.60	1/2	1,382.71	1/2	1,110.82	1/2	839.94	1/2	572.12	1/2	299.94	1/2	28.50	1/2		1/2	
3/4	1,920.83	3/4	1,648.93	3/4	1,377.04	3/4	1,105.15	3/4	834.41	3/4	566.45	3/4	294.26	3/4	23.40	3/4		3/4	
8	1,915.16	8	1,643.27	8	1,371.38	8	1,099.49	8	828.87	8	560.78	8	288.58	8	18.29	8		8	
1/4	1,909.50	1/4	1,637.61	1/4	1,365.71	1/4	1,093.82	1/4	823.33	1/4	555.11	1/4	282.90	1/4	14.91	1/4		1/4	
1/2	1,903.83	1/2	1,631.94	1/2	1,360.05	1/2	1,088.16	1/2	817.80	1/2	549.45	1/2	277.22	1/2	11.54	1/2		1/2	
3/4	1,898.17	3/4	1,626.28	3/4	1,354.39	3/4	1,082.49	3/4	812.26	3/4	543.78	3/4	271.54	3/4	8.16	3/4		3/4	
9	1,892.50	9	1,620.61	9	1,348.72	9	1,076.83	9	806.72	9	538.11	9	265.86	9	4.78	9		9	
1/4	1,886.84	1/4	1,614.95	1/4	1,343.06	1/4	1,071.17	1/4	801.19	1/4	532.45	1/4	260.18	1/4	3.70	1/4		1/4	
1/2	1,881.17	1/2	1,609.28	1/2	1,337.39	1/2	1,065.50	1/2	795.65	1/2	526.78	1/2	254.50	1/2	2.63	1/2		1/2	
3/4	1,875.51	3/4	1,603.62	3/4	1,331.73	3/4	1,059.84	3/4	790.11	3/4	521.11	3/4	248.83	3/4	1.55	3/4		3/4	
10	1,869.85	10	1,597.95	10	1,326.06	10	1,054.17	10	784.58	10	515.44	10	243.15	10	0.48	10		10	
1/4	1,864.18	1/4	1,592.29	1/4	1,320.40	1/4	1,048.51	1/4	779.04	1/4	509.78	1/4	237.47	1/4		1/4		1/4	
1/2	1,858.52	1/2	1,586.63	1/2	1,314.73	1/2	1,042.84	1/2	773.51	1/2	504.11	1/2	231.79	1/2		1/2		1/2	
3/4	1,852.85	3/4	1,580.96	3/4	1,309.07	3/4	1,037.18	3/4	767.97	3/4	498.44	3/4	226.11	3/4		3/4		3/4	
11	1,847.19	11	1,575.30	11	1,303.41	11	1,031.51	11	762.43	11	492.78	11	220.43	11		11		11	
1/4	1,841.52	1/4	1,569.63	1/4	1,297.74	1/4	1,025.85	1/4	756.90	1/4	487.11	1/4	214.75	1/4		1/4		1/4	
1/2	1,835.86	1/2	1,563.97	1/2	1,292.08	1/2	1,020.19	1/2	751.36	1/2	481.44	1/2	209.07	1/2		1/2		1/2	
3/4	1,830.19	3/4	1,558.30	3/4	1,286.41	3/4	1,014.52	3/4	745.83	3/4	475.77	3/4	203.39	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2005 CL - SW
COMPUTED: 10/25/2005 CL
VERIFIED: 07/03/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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

BARGE "KIRBY 11511"

2 CENTER
ULLAGE TABLE

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

GAUGE HEIGHT 17'-10"

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		0	3,418.54	0	3,169.51	0	2,920.49	0	2,671.46	0	2,422.44	0	2,173.42
1/4		1/4		1/4		1/4		1/4	3,413.35	1/4	3,164.32	1/4	2,915.30	1/4	2,666.28	1/4	2,417.25	1/4	2,168.23
1/2		1/2		1/2		1/2		1/2	3,408.16	1/2	3,159.14	1/2	2,910.11	1/2	2,661.09	1/2	2,412.06	1/2	2,163.04
3/4		3/4		3/4		3/4		3/4	3,402.97	3/4	3,153.95	3/4	2,904.92	3/4	2,655.90	3/4	2,406.88	3/4	2,157.85
1		1		1		1		1	3,397.78	1	3,148.76	1	2,899.74	1	2,650.71	1	2,401.69	1	2,152.66
1/4		1/4		1/4		1/4		1/4	3,392.60	1/4	3,143.57	1/4	2,894.55	1/4	2,645.52	1/4	2,396.50	1/4	2,147.48
1/2		1/2		1/2		1/2		1/2	3,387.41	1/2	3,138.38	1/2	2,889.36	1/2	2,640.34	1/2	2,391.31	1/2	2,142.29
3/4		3/4		3/4		3/4		3/4	3,382.22	3/4	3,133.20	3/4	2,884.17	3/4	2,635.15	3/4	2,386.12	3/4	2,137.10
2		2		2		2	3,603.56	2	3,377.03	2	3,128.01	2	2,878.98	2	2,629.96	2	2,380.94	2	2,131.91
1/4		1/4		1/4		1/4	3,601.84	1/4	3,371.84	1/4	3,122.82	1/4	2,873.80	1/4	2,624.77	1/4	2,375.75	1/4	2,126.72
1/2		1/2		1/2		1/2	3,600.11	1/2	3,366.66	1/2	3,117.63	1/2	2,868.61	1/2	2,619.58	1/2	2,370.56	1/2	2,121.54
3/4		3/4		3/4		3/4	3,598.38	3/4	3,361.47	3/4	3,112.44	3/4	2,863.42	3/4	2,614.40	3/4	2,365.37	3/4	2,116.35
3		3		3		3	3,596.65	3	3,356.28	3	3,107.26	3	2,858.23	3	2,609.21	3	2,360.18	3	2,111.16
1/4		1/4		1/4		1/4	3,593.19	1/4	3,351.09	1/4	3,102.07	1/4	2,853.04	1/4	2,604.02	1/4	2,355.00	1/4	2,105.97
1/2		1/2		1/2		1/2	3,589.73	1/2	3,345.90	1/2	3,096.88	1/2	2,847.86	1/2	2,598.83	1/2	2,349.81	1/2	2,100.78
3/4		3/4		3/4		3/4	3,586.27	3/4	3,340.72	3/4	3,091.69	3/4	2,842.67	3/4	2,593.64	3/4	2,344.62	3/4	2,095.60
4		4		4		4	3,582.81	4	3,335.53	4	3,086.50	4	2,837.48	4	2,588.46	4	2,339.43	4	2,090.41
1/4		1/4		1/4		1/4	3,578.06	1/4	3,330.34	1/4	3,081.32	1/4	2,832.29	1/4	2,583.27	1/4	2,334.24	1/4	2,085.22
1/2		1/2		1/2		1/2	3,573.30	1/2	3,325.15	1/2	3,076.13	1/2	2,827.10	1/2	2,578.08	1/2	2,329.06	1/2	2,080.03
3/4		3/4		3/4		3/4	3,568.55	3/4	3,319.96	3/4	3,070.94	3/4	2,821.92	3/4	2,572.89	3/4	2,323.87	3/4	2,074.84
5		5		5		5	3,563.80	5	3,314.78	5	3,065.75	5	2,816.73	5	2,567.70	5	2,318.68	5	2,069.66
1/4		1/4		1/4		1/4	3,558.61	1/4	3,309.59	1/4	3,060.56	1/4	2,811.54	1/4	2,562.52	1/4	2,313.49	1/4	2,064.47
1/2		1/2		1/2		1/2	3,553.42	1/2	3,304.40	1/2	3,055.38	1/2	2,806.35	1/2	2,557.33	1/2	2,308.30	1/2	2,059.28
3/4		3/4		3/4		3/4	3,548.24	3/4	3,299.21	3/4	3,050.19	3/4	2,801.16	3/4	2,552.14	3/4	2,303.12	3/4	2,054.09
6		6		6		6	3,543.05	6	3,294.02	6	3,045.00	6	2,795.98	6	2,546.95	6	2,297.93	6	2,048.90
1/4		1/4		1/4		1/4	3,537.86	1/4	3,288.84	1/4	3,039.81	1/4	2,790.79	1/4	2,541.76	1/4	2,292.74	1/4	2,043.72
1/2		1/2		1/2		1/2	3,532.67	1/2	3,283.65	1/2	3,034.62	1/2	2,785.60	1/2	2,536.58	1/2	2,287.55	1/2	2,038.53
3/4		3/4		3/4		3/4	3,527.48	3/4	3,278.46	3/4	3,029.44	3/4	2,780.41	3/4	2,531.39	3/4	2,282.36	3/4	2,033.34
7		7		7		7	3,522.30	7	3,273.27	7	3,024.25	7	2,775.22	7	2,526.20	7	2,277.18	7	2,028.15
1/4		1/4		1/4		1/4	3,517.11	1/4	3,268.08	1/4	3,019.06	1/4	2,770.04	1/4	2,521.01	1/4	2,271.99	1/4	2,022.96
1/2		1/2		1/2		1/2	3,511.92	1/2	3,262.90	1/2	3,013.87	1/2	2,764.85	1/2	2,515.82	1/2	2,266.80	1/2	2,017.78
3/4		3/4		3/4		3/4	3,506.73	3/4	3,257.71	3/4	3,008.68	3/4	2,759.66	3/4	2,510.64	3/4	2,261.61	3/4	2,012.59
8		8		8		8	3,501.54	8	3,252.52	8	3,003.50	8	2,754.47	8	2,505.45	8	2,256.42	8	2,007.40
1/4		1/4		1/4		1/4	3,496.36	1/4	3,247.33	1/4	2,998.31	1/4	2,749.28	1/4	2,500.26	1/4	2,251.24	1/4	2,002.21
1/2		1/2		1/2		1/2	3,491.17	1/2	3,242.14	1/2	2,993.12	1/2	2,744.10	1/2	2,495.07	1/2	2,246.05	1/2	1,997.02
3/4		3/4		3/4		3/4	3,485.98	3/4	3,236.96	3/4	2,987.93	3/4	2,738.91	3/4	2,489.88	3/4	2,240.86	3/4	1,991.84
9		9		9		9	3,480.79	9	3,231.77	9	2,982.74	9	2,733.72	9	2,484.70	9	2,235.67	9	1,986.65
1/4		1/4		1/4		1/4	3,475.60	1/4	3,226.58	1/4	2,977.56	1/4	2,728.53	1/4	2,479.51	1/4	2,230.48	1/4	1,981.46
1/2		1/2		1/2		1/2	3,470.42	1/2	3,221.39	1/2	2,972.37	1/2	2,723.34	1/2	2,474.32	1/2	2,225.30	1/2	1,976.27
3/4		3/4		3/4		3/4	3,465.23	3/4	3,216.20	3/4	2,967.18	3/4	2,718.16	3/4	2,469.13	3/4	2,220.11	3/4	1,971.08
10		10		10		10	3,460.04	10	3,211.02	10	2,961.99	10	2,712.97	10	2,463.94	10	2,214.92	10	1,965.90
1/4		1/4		1/4		1/4	3,454.85	1/4	3,205.83	1/4	2,956.80	1/4	2,707.78	1/4	2,458.76	1/4	2,209.73	1/4	1,960.71
1/2		1/2		1/2		1/2	3,449.66	1/2	3,200.64	1/2	2,951.62	1/2	2,702.59	1/2	2,453.57	1/2	2,204.54	1/2	1,955.52
3/4		3/4		3/4		3/4	3,444.48	3/4	3,195.45	3/4	2,946.43	3/4	2,697.40	3/4	2,448.38	3/4	2,199.36	3/4	1,950.33
11		11		11		11	3,439.29	11	3,190.26	11	2,941.24	11	2,692.22	11	2,443.19	11	2,194.17	11	1,945.14
1/4		1/4		1/4		1/4	3,434.10	1/4	3,185.08	1/4	2,936.05	1/4	2,687.03	1/4	2,438.00	1/4	2,188.98	1/4	1,939.96
1/2		1/2		1/2		1/2	3,428.91	1/2	3,179.89	1/2	2,930.86	1/2	2,681.84	1/2	2,432.82	1/2	2,183.79	1/2	1,934.77
3/4		3/4		3/4		3/4	3,423.72	3/4	3,174.70	3/4	2,925.68	3/4	2,676.65	3/4	2,427.63	3/4	2,178.60	3/4	1,929.58

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 1'-00" OFF CENTERLINE AND 28'-11" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 11511"

2 CENTER
ULLAGE TABLE

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

GAUGE HEIGHT 17'-10"

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	1,924.39	0	1,675.37	0	1,426.34	0	1,177.32	0	928.30	0	683.22	0	436.37	0	187.37	0		0	
1/4	1,919.20	1/4	1,670.18	1/4	1,421.16	1/4	1,172.13	1/4	923.11	1/4	678.19	1/4	431.18	1/4	182.18	1/4		1/4	
1/2	1,914.02	1/2	1,664.99	1/2	1,415.97	1/2	1,166.94	1/2	917.92	1/2	673.15	1/2	425.99	1/2	176.99	1/2		1/2	
3/4	1,908.83	3/4	1,659.80	3/4	1,410.78	3/4	1,161.76	3/4	912.73	3/4	668.12	3/4	420.81	3/4	171.81	3/4		3/4	
1	1,903.64	1	1,654.62	1	1,405.59	1	1,156.57	1	907.54	1	663.08	1	415.62	1	166.62	1		1	
1/4	1,898.45	1/4	1,649.43	1/4	1,400.40	1/4	1,151.38	1/4	902.36	1/4	658.05	1/4	410.43	1/4	161.43	1/4		1/4	
1/2	1,893.26	1/2	1,644.24	1/2	1,395.22	1/2	1,146.19	1/2	897.17	1/2	653.01	1/2	405.24	1/2	156.24	1/2		1/2	
3/4	1,888.08	3/4	1,639.05	3/4	1,390.03	3/4	1,141.00	3/4	891.98	3/4	647.98	3/4	400.06	3/4	151.06	3/4		3/4	
2	1,882.89	2	1,633.86	2	1,384.84	2	1,135.82	2	886.79	2	642.94	2	394.87	2	145.87	2		2	
1/4	1,877.70	1/4	1,628.68	1/4	1,379.65	1/4	1,130.63	1/4	881.60	1/4	637.91	1/4	389.68	1/4	140.68	1/4		1/4	
1/2	1,872.51	1/2	1,623.49	1/2	1,374.46	1/2	1,125.44	1/2	876.42	1/2	632.87	1/2	384.49	1/2	135.49	1/2		1/2	
3/4	1,867.32	3/4	1,618.30	3/4	1,369.28	3/4	1,120.25	3/4	871.23	3/4	627.83	3/4	379.31	3/4	130.31	3/4		3/4	
3	1,862.14	3	1,613.11	3	1,364.09	3	1,115.06	3	866.04	3	622.80	3	374.12	3	125.12	3		3	
1/4	1,856.95	1/4	1,607.92	1/4	1,358.90	1/4	1,109.88	1/4	860.85	1/4	617.69	1/4	368.93	1/4	119.93	1/4		1/4	
1/2	1,851.76	1/2	1,602.74	1/2	1,353.71	1/2	1,104.69	1/2	855.66	1/2	612.58	1/2	363.74	1/2	114.74	1/2		1/2	
3/4	1,846.57	3/4	1,597.55	3/4	1,348.52	3/4	1,099.50	3/4	850.48	3/4	607.47	3/4	358.56	3/4	109.56	3/4		3/4	
4	1,841.38	4	1,592.36	4	1,343.34	4	1,094.31	4	845.29	4	602.35	4	353.37	4	104.37	4		4	
1/4	1,836.20	1/4	1,587.17	1/4	1,338.15	1/4	1,089.12	1/4	840.10	1/4	597.17	1/4	348.18	1/4	99.18	1/4		1/4	
1/2	1,831.01	1/2	1,581.98	1/2	1,332.96	1/2	1,083.94	1/2	834.91	1/2	591.98	1/2	342.99	1/2	93.99	1/2		1/2	
3/4	1,825.82	3/4	1,576.80	3/4	1,327.77	3/4	1,078.75	3/4	829.72	3/4	586.79	3/4	337.81	3/4	88.81	3/4		3/4	
5	1,820.63	5	1,571.61	5	1,322.58	5	1,073.56	5	824.54	5	581.61	5	332.62	5	83.62	5		5	
1/4	1,815.44	1/4	1,566.42	1/4	1,317.40	1/4	1,068.37	1/4	819.42	1/4	576.42	1/4	327.43	1/4	78.43	1/4		1/4	
1/2	1,810.26	1/2	1,561.23	1/2	1,312.21	1/2	1,063.18	1/2	814.31	1/2	571.24	1/2	322.24	1/2	73.24	1/2		1/2	
3/4	1,805.07	3/4	1,556.04	3/4	1,307.02	3/4	1,058.00	3/4	809.20	3/4	566.05	3/4	317.06	3/4	68.06	3/4		3/4	
6	1,799.88	6	1,550.86	6	1,301.83	6	1,052.81	6	804.09	6	560.86	6	311.87	6	62.87	6		6	
1/4	1,794.69	1/4	1,545.67	1/4	1,296.64	1/4	1,047.62	1/4	799.05	1/4	555.68	1/4	306.68	1/4	57.68	1/4		1/4	
1/2	1,789.50	1/2	1,540.48	1/2	1,291.46	1/2	1,042.43	1/2	794.01	1/2	550.49	1/2	301.49	1/2	52.49	1/2		1/2	
3/4	1,784.32	3/4	1,535.29	3/4	1,286.27	3/4	1,037.24	3/4	788.98	3/4	545.30	3/4	296.31	3/4	47.31	3/4		3/4	
7	1,779.13	7	1,530.10	7	1,281.08	7	1,032.06	7	783.94	7	540.12	7	291.12	7	42.12	7		7	
1/4	1,773.94	1/4	1,524.92	1/4	1,275.89	1/4	1,026.87	1/4	778.90	1/4	534.93	1/4	285.93	1/4	37.36	1/4		1/4	
1/2	1,768.75	1/2	1,519.73	1/2	1,270.70	1/2	1,021.68	1/2	773.87	1/2	529.74	1/2	280.74	1/2	32.61	1/2		1/2	
3/4	1,763.56	3/4	1,514.54	3/4	1,265.52	3/4	1,016.49	3/4	768.83	3/4	524.56	3/4	275.56	3/4	27.85	3/4		3/4	
8	1,758.38	8	1,509.35	8	1,260.33	8	1,011.30	8	763.79	8	519.37	8	270.37	8	23.10	8		8	
1/4	1,753.19	1/4	1,504.16	1/4	1,255.14	1/4	1,006.12	1/4	758.76	1/4	514.18	1/4	265.18	1/4	19.64	1/4		1/4	
1/2	1,748.00	1/2	1,498.98	1/2	1,249.95	1/2	1,000.93	1/2	753.72	1/2	508.99	1/2	259.99	1/2	16.18	1/2		1/2	
3/4	1,742.81	3/4	1,493.79	3/4	1,244.76	3/4	995.74	3/4	748.69	3/4	503.81	3/4	254.81	3/4	12.72	3/4		3/4	
9	1,737.62	9	1,488.60	9	1,239.58	9	990.55	9	743.65	9	498.62	9	249.62	9	9.26	9		9	
1/4	1,732.44	1/4	1,483.41	1/4	1,234.39	1/4	985.36	1/4	738.62	1/4	493.43	1/4	244.43	1/4	7.54	1/4		1/4	
1/2	1,727.25	1/2	1,478.22	1/2	1,229.20	1/2	980.18	1/2	733.58	1/2	488.24	1/2	239.24	1/2	5.81	1/2		1/2	
3/4	1,722.06	3/4	1,473.04	3/4	1,224.01	3/4	974.99	3/4	728.54	3/4	483.06	3/4	234.06	3/4	4.08	3/4		3/4	
10	1,716.87	10	1,467.85	10	1,218.82	10	969.80	10	723.51	10	477.87	10	228.87	10	2.35	10		10	
1/4	1,711.68	1/4	1,462.66	1/4	1,213.64	1/4	964.61	1/4	718.47	1/4	472.68	1/4	223.68	1/4		1/4		1/4	
1/2	1,706.50	1/2	1,457.47	1/2	1,208.45	1/2	959.42	1/2	713.44	1/2	467.49	1/2	218.49	1/2		1/2		1/2	
3/4	1,701.31	3/4	1,452.28	3/4	1,203.26	3/4	954.24	3/4	708.40	3/4	462.31	3/4	213.31	3/4		3/4		3/4	
11	1,696.12	11	1,447.10	11	1,198.07	11	949.05	11	703.37	11	457.12	11	208.12	11		11		11	
1/4	1,690.93	1/4	1,441.91	1/4	1,192.88	1/4	943.86	1/4	698.33	1/4	451.93	1/4	202.93	1/4		1/4		1/4	
1/2	1,685.74	1/2	1,436.72	1/2	1,187.70	1/2	938.67	1/2	693.30	1/2	446.74	1/2	197.74	1/2		1/2		1/2	
3/4	1,680.56	3/4	1,431.53	3/4	1,182.51	3/4	933.48	3/4	688.26	3/4	441.56	3/4	192.56	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2005 CL - SW
COMPUTED: 10/25/2005 CL
VERIFIED: 07/03/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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

BARGE "KIRBY 11511"

3 CENTER
ULLAGE TABLE

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

GAUGE HEIGHT 17'-09 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		0	3,398.77	0	3,150.85	0	2,902.93	0	2,655.01	0	2,407.09	0	2,159.17
1/4		1/4		1/4		1/4		1/4	3,393.60	1/4	3,145.68	1/4	2,897.76	1/4	2,649.84	1/4	2,401.92	1/4	2,154.00
1/2		1/2		1/2		1/2		1/2	3,388.44	1/2	3,140.52	1/2	2,892.60	1/2	2,644.68	1/2	2,396.76	1/2	2,148.84
3/4		3/4		3/4		3/4		3/4	3,383.27	3/4	3,135.35	3/4	2,887.43	3/4	2,639.51	3/4	2,391.59	3/4	2,143.67
1		1		1		1		1	3,378.11	1	3,130.19	1	2,882.27	1	2,634.35	1	2,386.43	1	2,138.51
1/4		1/4		1/4		1/4		1/4	3,372.94	1/4	3,125.02	1/4	2,877.10	1/4	2,629.18	1/4	2,381.26	1/4	2,133.34
1/2		1/2		1/2		1/2	3,593.32	1/2	3,367.78	1/2	3,119.86	1/2	2,871.94	1/2	2,624.02	1/2	2,376.10	1/2	2,128.18
3/4		3/4		3/4		3/4	3,591.60	3/4	3,362.61	3/4	3,114.69	3/4	2,866.77	3/4	2,618.85	3/4	2,370.93	3/4	2,123.01
2		2		2		2	3,589.88	2	3,357.45	2	3,109.53	2	2,861.61	2	2,613.69	2	2,365.77	2	2,117.85
1/4		1/4		1/4		1/4	3,588.16	1/4	3,352.28	1/4	3,104.36	1/4	2,856.44	1/4	2,608.52	1/4	2,360.60	1/4	2,112.68
1/2		1/2		1/2		1/2	3,586.44	1/2	3,347.12	1/2	3,099.20	1/2	2,851.28	1/2	2,603.36	1/2	2,355.44	1/2	2,107.52
3/4		3/4		3/4		3/4	3,583.00	3/4	3,341.95	3/4	3,094.03	3/4	2,846.11	3/4	2,598.19	3/4	2,350.27	3/4	2,102.35
3		3		3		3	3,579.55	3	3,336.79	3	3,088.87	3	2,840.95	3	2,593.03	3	2,345.11	3	2,097.19
1/4		1/4		1/4		1/4	3,576.11	1/4	3,331.62	1/4	3,083.70	1/4	2,835.78	1/4	2,587.86	1/4	2,339.94	1/4	2,092.02
1/2		1/2		1/2		1/2	3,572.67	1/2	3,326.46	1/2	3,078.54	1/2	2,830.62	1/2	2,582.70	1/2	2,334.78	1/2	2,086.86
3/4		3/4		3/4		3/4	3,567.93	3/4	3,321.29	3/4	3,073.37	3/4	2,825.45	3/4	2,577.53	3/4	2,329.61	3/4	2,081.69
4		4		4		4	3,563.20	4	3,316.13	4	3,068.21	4	2,820.29	4	2,572.37	4	2,324.45	4	2,076.53
1/4		1/4		1/4		1/4	3,558.46	1/4	3,310.96	1/4	3,063.04	1/4	2,815.12	1/4	2,567.20	1/4	2,319.28	1/4	2,071.36
1/2		1/2		1/2		1/2	3,553.72	1/2	3,305.80	1/2	3,057.88	1/2	2,809.96	1/2	2,562.04	1/2	2,314.12	1/2	2,066.20
3/4		3/4		3/4		3/4	3,548.55	3/4	3,300.63	3/4	3,052.71	3/4	2,804.79	3/4	2,556.87	3/4	2,308.95	3/4	2,061.03
5		5		5		5	3,543.39	5	3,295.47	5	3,047.55	5	2,799.63	5	2,551.71	5	2,303.79	5	2,055.87
1/4		1/4		1/4		1/4	3,538.22	1/4	3,290.30	1/4	3,042.38	1/4	2,794.46	1/4	2,546.54	1/4	2,298.62	1/4	2,050.70
1/2		1/2		1/2		1/2	3,533.06	1/2	3,285.14	1/2	3,037.22	1/2	2,789.30	1/2	2,541.38	1/2	2,293.46	1/2	2,045.54
3/4		3/4		3/4		3/4	3,527.89	3/4	3,279.97	3/4	3,032.05	3/4	2,784.13	3/4	2,536.21	3/4	2,288.29	3/4	2,040.37
6		6		6		6	3,522.73	6	3,274.81	6	3,026.89	6	2,778.97	6	2,531.05	6	2,283.13	6	2,035.21
1/4		1/4		1/4		1/4	3,517.56	1/4	3,269.64	1/4	3,021.72	1/4	2,773.80	1/4	2,525.88	1/4	2,277.96	1/4	2,030.04
1/2		1/2		1/2		1/2	3,512.40	1/2	3,264.48	1/2	3,016.56	1/2	2,768.64	1/2	2,520.72	1/2	2,272.80	1/2	2,024.88
3/4		3/4		3/4		3/4	3,507.23	3/4	3,259.31	3/4	3,011.39	3/4	2,763.47	3/4	2,515.55	3/4	2,267.63	3/4	2,019.71
7		7		7		7	3,502.07	7	3,254.15	7	3,006.23	7	2,758.31	7	2,510.39	7	2,262.47	7	2,014.55
1/4		1/4		1/4		1/4	3,496.90	1/4	3,248.98	1/4	3,001.06	1/4	2,753.14	1/4	2,505.22	1/4	2,257.30	1/4	2,009.38
1/2		1/2		1/2		1/2	3,491.74	1/2	3,243.82	1/2	2,995.90	1/2	2,747.98	1/2	2,500.06	1/2	2,252.14	1/2	2,004.22
3/4		3/4		3/4		3/4	3,486.57	3/4	3,238.65	3/4	2,990.73	3/4	2,742.81	3/4	2,494.89	3/4	2,246.97	3/4	1,999.05
8		8		8		8	3,481.41	8	3,233.49	8	2,985.57	8	2,737.65	8	2,489.73	8	2,241.81	8	1,993.89
1/4		1/4		1/4		1/4	3,476.24	1/4	3,228.32	1/4	2,980.40	1/4	2,732.48	1/4	2,484.56	1/4	2,236.64	1/4	1,988.72
1/2		1/2		1/2		1/2	3,471.08	1/2	3,223.16	1/2	2,975.24	1/2	2,727.32	1/2	2,479.40	1/2	2,231.48	1/2	1,983.56
3/4		3/4		3/4		3/4	3,465.91	3/4	3,217.99	3/4	2,970.07	3/4	2,722.15	3/4	2,474.23	3/4	2,226.31	3/4	1,978.39
9		9		9		9	3,460.75	9	3,212.83	9	2,964.91	9	2,716.99	9	2,469.07	9	2,221.15	9	1,973.23
1/4		1/4		1/4		1/4	3,455.58	1/4	3,207.66	1/4	2,959.74	1/4	2,711.82	1/4	2,463.90	1/4	2,215.98	1/4	1,968.06
1/2		1/2		1/2		1/2	3,450.42	1/2	3,202.50	1/2	2,954.58	1/2	2,706.66	1/2	2,458.74	1/2	2,210.82	1/2	1,962.90
3/4		3/4		3/4		3/4	3,445.25	3/4	3,197.33	3/4	2,949.41	3/4	2,701.49	3/4	2,453.57	3/4	2,205.65	3/4	1,957.73
10		10		10		10	3,440.09	10	3,192.17	10	2,944.25	10	2,696.33	10	2,448.41	10	2,200.49	10	1,952.57
1/4		1/4		1/4		1/4	3,434.92	1/4	3,187.00	1/4	2,939.08	1/4	2,691.16	1/4	2,443.24	1/4	2,195.32	1/4	1,947.40
1/2		1/2		1/2		1/2	3,429.76	1/2	3,181.84	1/2	2,933.92	1/2	2,686.00	1/2	2,438.08	1/2	2,190.16	1/2	1,942.24
3/4		3/4		3/4		3/4	3,424.59	3/4	3,176.67	3/4	2,928.75	3/4	2,680.83	3/4	2,432.91	3/4	2,184.99	3/4	1,937.07
11		11		11		11	3,419.43	11	3,171.51	11	2,923.59	11	2,675.67	11	2,427.75	11	2,179.83	11	1,931.91
1/4		1/4		1/4		1/4	3,414.26	1/4	3,166.34	1/4	2,918.42	1/4	2,670.50	1/4	2,422.58	1/4	2,174.66	1/4	1,926.74
1/2		1/2		1/2		1/2	3,409.10	1/2	3,161.18	1/2	2,913.26	1/2	2,665.34	1/2	2,417.42	1/2	2,169.50	1/2	1,921.58
3/4		3/4		3/4		3/4	3,403.93	3/4	3,156.01	3/4	2,908.09	3/4	2,660.17	3/4	2,412.25	3/4	2,164.33	3/4	1,916.41

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 1'-00" OFF CENTERLINE AND 28'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 11511"

3 CENTER
ULLAGE TABLE

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

GAUGE HEIGHT 17'-09 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	1,911.25	0	1,663.33	0	1,415.41	0	1,167.49	0	919.57	0	671.92	0	424.13	0	176.22	0		0	
1/4	1,906.08	1/4	1,658.16	1/4	1,410.24	1/4	1,162.32	1/4	914.40	1/4	666.77	1/4	418.96	1/4	171.06	1/4		1/4	
1/2	1,900.92	1/2	1,653.00	1/2	1,405.08	1/2	1,157.16	1/2	909.24	1/2	661.61	1/2	413.80	1/2	165.89	1/2		1/2	
3/4	1,895.75	3/4	1,647.83	3/4	1,399.91	3/4	1,151.99	3/4	904.07	3/4	656.46	3/4	408.64	3/4	160.73	3/4		3/4	
1	1,890.59	1	1,642.67	1	1,394.75	1	1,146.83	1	898.91	1	651.30	1	403.47	1	155.56	1		1	
1/4	1,885.42	1/4	1,637.50	1/4	1,389.58	1/4	1,141.66	1/4	893.74	1/4	646.15	1/4	398.31	1/4	150.40	1/4		1/4	
1/2	1,880.26	1/2	1,632.34	1/2	1,384.42	1/2	1,136.50	1/2	888.58	1/2	640.99	1/2	393.14	1/2	145.24	1/2		1/2	
3/4	1,875.09	3/4	1,627.17	3/4	1,379.25	3/4	1,131.33	3/4	883.41	3/4	635.84	3/4	387.98	3/4	140.07	3/4		3/4	
2	1,869.93	2	1,622.01	2	1,374.09	2	1,126.17	2	878.25	2	630.68	2	382.81	2	134.91	2		2	
1/4	1,864.76	1/4	1,616.84	1/4	1,368.92	1/4	1,121.00	1/4	873.08	1/4	625.53	1/4	377.65	1/4	129.74	1/4		1/4	
1/2	1,859.60	1/2	1,611.68	1/2	1,363.76	1/2	1,115.84	1/2	867.92	1/2	620.37	1/2	372.48	1/2	124.58	1/2		1/2	
3/4	1,854.43	3/4	1,606.51	3/4	1,358.59	3/4	1,110.67	3/4	862.75	3/4	615.21	3/4	367.32	3/4	119.41	3/4		3/4	
3	1,849.27	3	1,601.35	3	1,353.43	3	1,105.51	3	857.59	3	610.05	3	362.15	3	114.25	3		3	
1/4	1,844.10	1/4	1,596.18	1/4	1,348.26	1/4	1,100.34	1/4	852.42	1/4	604.89	1/4	356.99	1/4	109.08	1/4		1/4	
1/2	1,838.94	1/2	1,591.02	1/2	1,343.10	1/2	1,095.18	1/2	847.26	1/2	599.73	1/2	351.82	1/2	103.92	1/2		1/2	
3/4	1,833.77	3/4	1,585.85	3/4	1,337.93	3/4	1,090.01	3/4	842.09	3/4	594.57	3/4	346.66	3/4	98.75	3/4		3/4	
4	1,828.61	4	1,580.69	4	1,332.77	4	1,084.85	4	836.93	4	589.40	4	341.49	4	93.59	4		4	
1/4	1,823.44	1/4	1,575.52	1/4	1,327.60	1/4	1,079.68	1/4	831.76	1/4	584.24	1/4	336.33	1/4	88.42	1/4		1/4	
1/2	1,818.28	1/2	1,570.36	1/2	1,322.44	1/2	1,074.52	1/2	826.60	1/2	579.08	1/2	331.16	1/2	83.26	1/2		1/2	
3/4	1,813.11	3/4	1,565.19	3/4	1,317.27	3/4	1,069.35	3/4	821.44	3/4	573.91	3/4	326.00	3/4	78.09	3/4		3/4	
5	1,807.95	5	1,560.03	5	1,312.11	5	1,064.19	5	816.28	5	568.75	5	320.84	5	72.93	5		5	
1/4	1,802.78	1/4	1,554.86	1/4	1,306.94	1/4	1,059.02	1/4	811.12	1/4	563.58	1/4	315.67	1/4	67.76	1/4		1/4	
1/2	1,797.62	1/2	1,549.70	1/2	1,301.78	1/2	1,053.86	1/2	805.96	1/2	558.42	1/2	310.51	1/2	62.60	1/2		1/2	
3/4	1,792.45	3/4	1,544.53	3/4	1,296.61	3/4	1,048.69	3/4	800.80	3/4	553.25	3/4	305.34	3/4	57.44	3/4		3/4	
6	1,787.29	6	1,539.37	6	1,291.45	6	1,043.53	6	795.65	6	548.08	6	300.18	6	52.27	6		6	
1/4	1,782.12	1/4	1,534.20	1/4	1,286.28	1/4	1,038.36	1/4	790.49	1/4	542.92	1/4	295.01	1/4	47.11	1/4		1/4	
1/2	1,776.96	1/2	1,529.04	1/2	1,281.12	1/2	1,033.20	1/2	785.33	1/2	537.75	1/2	289.85	1/2	41.94	1/2		1/2	
3/4	1,771.79	3/4	1,523.87	3/4	1,275.95	3/4	1,028.03	3/4	780.18	3/4	532.59	3/4	284.68	3/4	37.21	3/4		3/4	
7	1,766.63	7	1,518.71	7	1,270.79	7	1,022.87	7	775.02	7	527.42	7	279.52	7	32.47	7		7	
1/4	1,761.46	1/4	1,513.54	1/4	1,265.62	1/4	1,017.70	1/4	769.87	1/4	522.26	1/4	274.35	1/4	27.74	1/4		1/4	
1/2	1,756.30	1/2	1,508.38	1/2	1,260.46	1/2	1,012.54	1/2	764.71	1/2	517.09	1/2	269.19	1/2	23.00	1/2		1/2	
3/4	1,751.13	3/4	1,503.21	3/4	1,255.29	3/4	1,007.37	3/4	759.55	3/4	511.93	3/4	264.02	3/4	19.56	3/4		3/4	
8	1,745.97	8	1,498.05	8	1,250.13	8	1,002.21	8	754.40	8	506.76	8	258.86	8	16.12	8		8	
1/4	1,740.80	1/4	1,492.88	1/4	1,244.96	1/4	997.04	1/4	749.25	1/4	501.60	1/4	253.69	1/4	12.67	1/4		1/4	
1/2	1,735.64	1/2	1,487.72	1/2	1,239.80	1/2	991.88	1/2	744.09	1/2	496.44	1/2	248.53	1/2	9.23	1/2		1/2	
3/4	1,730.47	3/4	1,482.55	3/4	1,234.63	3/4	986.71	3/4	738.94	3/4	491.27	3/4	243.36	3/4	7.51	3/4		3/4	
9	1,725.31	9	1,477.39	9	1,229.47	9	981.55	9	733.78	9	486.11	9	238.20	9	5.79	9		9	
1/4	1,720.14	1/4	1,472.22	1/4	1,224.30	1/4	976.38	1/4	728.63	1/4	480.94	1/4	233.04	1/4	4.07	1/4		1/4	
1/2	1,714.98	1/2	1,467.06	1/2	1,219.14	1/2	971.22	1/2	723.47	1/2	475.78	1/2	227.87	1/2	2.35	1/2		1/2	
3/4	1,709.81	3/4	1,461.89	3/4	1,213.97	3/4	966.05	3/4	718.32	3/4	470.61	3/4	222.71	3/4		3/4		3/4	
10	1,704.65	10	1,456.73	10	1,208.81	10	960.89	10	713.16	10	465.45	10	217.54	10		10		10	
1/4	1,699.48	1/4	1,451.56	1/4	1,203.64	1/4	955.72	1/4	708.01	1/4	460.28	1/4	212.38	1/4		1/4		1/4	
1/2	1,694.32	1/2	1,446.40	1/2	1,198.48	1/2	950.56	1/2	702.85	1/2	455.12	1/2	207.21	1/2		1/2		1/2	
3/4	1,689.15	3/4	1,441.23	3/4	1,193.31	3/4	945.39	3/4	697.70	3/4	449.95	3/4	202.05	3/4		3/4		3/4	
11	1,683.99	11	1,436.07	11	1,188.15	11	940.23	11	692.54	11	444.79	11	196.88	11		11		11	
1/4	1,678.82	1/4	1,430.90	1/4	1,182.98	1/4	935.06	1/4	687.39	1/4	439.62	1/4	191.72	1/4		1/4		1/4	
1/2	1,673.66	1/2	1,425.74	1/2	1,177.82	1/2	929.90	1/2	682.23	1/2	434.46	1/2	186.55	1/2		1/2		1/2	
3/4	1,668.49	3/4	1,420.57	3/4	1,172.65	3/4	924.73	3/4	677.08	3/4	429.29	3/4	181.39	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2005 CL - SW
COMPUTED: 10/25/2005 CL
VERIFIED: 07/03/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
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