



BARGE "KIRBY 11521"

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

(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 00-1/8"
 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'-08"

September 6, 2023

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11521"

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	3,657.02	0	3,409.89	0	3,162.99	0	2,914.90	0	2,642.71	0	2,370.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,651.87	1/4	3,404.74	1/4	3,157.84	1/4	2,909.23	1/4	2,637.04	1/4	2,364.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,646.73	1/2	3,399.60	1/2	3,152.69	1/2	2,903.56	1/2	2,631.37	1/2	2,359.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,641.58	3/4	3,394.45	3/4	3,147.55	3/4	2,897.89	3/4	2,625.70	3/4	2,353.41
1		1		1		1		1	3,636.43	1	3,389.30	1	3,142.40	1	2,892.22	1	2,620.03	1	2,347.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,631.29	1/4	3,384.15	1/4	3,137.25	1/4	2,886.55	1/4	2,614.36	1/4	2,342.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,626.14	1/2	3,379.00	1/2	3,132.11	1/2	2,880.88	1/2	2,608.69	1/2	2,336.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,620.99	3/4	3,373.85	3/4	3,126.96	3/4	2,875.20	3/4	2,603.02	3/4	2,330.72
2		2		2		2		2	3,840.46	2	3,615.85	2	3,368.70	2	3,121.81	2	2,869.53	2	2,597.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,838.70	1/4	3,610.70	1/4	3,363.56	1/4	3,116.67	1/4	2,863.86	1/4	2,591.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,836.94	1/2	3,605.55	1/2	3,358.41	1/2	3,111.52	1/2	2,858.19	1/2	2,586.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,835.17	3/4	3,600.40	3/4	3,353.27	3/4	3,106.37	3/4	2,852.52	3/4	2,580.32
3		3		3		3		3	3,833.41	3	3,595.25	3	3,348.12	3	3,101.23	3	2,846.85	3	2,574.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,830.03	1/4	3,590.10	1/4	3,342.98	1/4	3,096.08	1/4	2,841.18	1/4	2,568.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,826.64	1/2	3,584.95	1/2	3,337.84	1/2	3,090.93	1/2	2,835.51	1/2	2,563.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,823.26	3/4	3,579.80	3/4	3,332.70	3/4	3,085.79	3/4	2,829.84	3/4	2,557.63
4		4		4		4		4	3,819.87	4	3,574.65	4	3,327.56	4	3,080.64	4	2,824.17	4	2,551.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,815.20	1/4	3,569.51	1/4	3,322.41	1/4	3,075.49	1/4	2,818.50	1/4	2,546.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,810.53	1/2	3,564.36	1/2	3,317.27	1/2	3,070.35	1/2	2,812.83	1/2	2,540.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,805.85	3/4	3,559.21	3/4	3,312.13	3/4	3,065.20	3/4	2,807.16	3/4	2,534.94
5		5		5		5		5	3,801.18	5	3,554.06	5	3,306.99	5	3,060.05	5	2,801.49	5	2,529.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,796.03	1/4	3,548.91	1/4	3,301.85	1/4	3,054.91	1/4	2,795.82	1/4	2,523.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,790.88	1/2	3,543.76	1/2	3,296.70	1/2	3,049.76	1/2	2,790.15	1/2	2,517.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,785.74	3/4	3,538.61	3/4	3,291.56	3/4	3,044.61	3/4	2,784.48	3/4	2,512.25
6		6		6		6		6	3,780.59	6	3,533.46	6	3,286.42	6	3,039.47	6	2,778.81	6	2,506.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,775.44	1/4	3,528.32	1/4	3,281.28	1/4	3,034.32	1/4	2,773.14	1/4	2,500.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,770.29	1/2	3,523.17	1/2	3,276.14	1/2	3,029.17	1/2	2,767.47	1/2	2,495.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,765.14	3/4	3,518.02	3/4	3,270.99	3/4	3,024.03	3/4	2,761.79	3/4	2,489.56
7		7		7		7		7	3,759.99	7	3,512.87	7	3,265.85	7	3,018.88	7	2,756.12	7	2,483.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,754.84	1/4	3,507.72	1/4	3,260.71	1/4	3,013.73	1/4	2,750.45	1/4	2,478.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,749.70	1/2	3,502.57	1/2	3,255.57	1/2	3,008.59	1/2	2,744.78	1/2	2,472.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,744.55	3/4	3,497.42	3/4	3,250.43	3/4	3,003.44	3/4	2,739.11	3/4	2,466.87
8		8		8		8		8	3,739.40	8	3,492.27	8	3,245.28	8	2,998.29	8	2,733.44	8	2,461.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,734.25	1/4	3,487.13	1/4	3,240.14	1/4	2,993.15	1/4	2,727.77	1/4	2,455.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,729.10	1/2	3,481.98	1/2	3,235.00	1/2	2,988.00	1/2	2,722.10	1/2	2,449.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,723.95	3/4	3,476.83	3/4	3,229.86	3/4	2,982.85	3/4	2,716.43	3/4	2,444.17
9		9		9		9		9	3,718.80	9	3,471.68	9	3,224.72	9	2,977.71	9	2,710.76	9	2,438.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,713.65	1/4	3,466.53	1/4	3,219.57	1/4	2,972.56	1/4	2,705.09	1/4	2,432.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,708.51	1/2	3,461.38	1/2	3,214.43	1/2	2,967.41	1/2	2,699.42	1/2	2,427.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,703.36	3/4	3,456.23	3/4	3,209.29	3/4	2,962.27	3/4	2,693.75	3/4	2,421.48
10		10		10		10		10	3,698.21	10	3,451.08	10	3,204.15	10	2,957.12	10	2,688.08	10	2,415.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,693.06	1/4	3,445.93	1/4	3,199.00	1/4	2,951.97	1/4	2,682.41	1/4	2,410.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,687.91	1/2	3,440.79	1/2	3,193.86	1/2	2,946.83	1/2	2,676.74	1/2	2,404.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,682.76	3/4	3,435.64	3/4	3,188.72	3/4	2,941.68	3/4	2,671.07	3/4	2,398.79
11		11		11		11		11	3,677.61	11	3,430.49	11	3,183.57	11	2,936.53	11	2,665.40	11	2,393.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,672.47	1/4	3,425.34	1/4	3,178.43	1/4	2,931.12	1/4	2,659.73	1/4	2,387.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,667.32	1/2	3,420.19	1/2	3,173.28	1/2	2,925.72	1/2	2,654.06	1/2	2,381.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,662.17	3/4	3,415.04	3/4	3,168.13	3/4	2,920.31	3/4	2,648.38	3/4	2,376.10

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 29'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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 Pearland, Texas 77588
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BARGE "KIRBY 11521"

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	2,098.81	0	1,826.92	0	1,554.67	0	1,282.43	0	1,010.18	0	741.26	0	470.72	0	197.97	0		0	
1/4	2,093.17	1/4	1,821.25	1/4	1,549.00	1/4	1,276.76	1/4	1,004.51	1/4	735.72	1/4	465.05	1/4	192.29	1/4		1/4	
1/2	2,087.52	1/2	1,815.58	1/2	1,543.33	1/2	1,271.08	1/2	998.84	1/2	730.17	1/2	459.37	1/2	186.60	1/2		1/2	
3/4	2,081.87	3/4	1,809.90	3/4	1,537.66	3/4	1,265.41	3/4	993.17	3/4	724.63	3/4	453.70	3/4	180.91	3/4		3/4	
1	2,076.23	1	1,804.23	1	1,531.99	1	1,259.74	1	987.49	1	719.09	1	448.02	1	175.23	1		1	
1/4	2,070.58	1/4	1,798.56	1/4	1,526.31	1/4	1,254.07	1/4	981.82	1/4	713.54	1/4	442.35	1/4	169.54	1/4		1/4	
1/2	2,064.93	1/2	1,792.89	1/2	1,520.64	1/2	1,248.40	1/2	976.15	1/2	708.00	1/2	436.68	1/2	163.86	1/2		1/2	
3/4	2,059.29	3/4	1,787.22	3/4	1,514.97	3/4	1,242.72	3/4	970.48	3/4	702.46	3/4	431.00	3/4	158.17	3/4		3/4	
2	2,053.64	2	1,781.55	2	1,509.30	2	1,237.05	2	964.81	2	696.91	2	425.33	2	152.48	2		2	
1/4	2,047.99	1/4	1,775.87	1/4	1,503.63	1/4	1,231.38	1/4	959.13	1/4	691.37	1/4	419.65	1/4	146.80	1/4		1/4	
1/2	2,042.35	1/2	1,770.20	1/2	1,497.96	1/2	1,225.71	1/2	953.46	1/2	685.83	1/2	413.98	1/2	141.11	1/2		1/2	
3/4	2,036.70	3/4	1,764.53	3/4	1,492.28	3/4	1,220.04	3/4	947.79	3/4	680.28	3/4	408.30	3/4	135.42	3/4		3/4	
3	2,031.05	3	1,758.86	3	1,486.61	3	1,214.37	3	942.12	3	674.74	3	402.63	3	129.74	3		3	
1/4	2,025.39	1/4	1,753.19	1/4	1,480.94	1/4	1,208.69	1/4	936.45	1/4	669.13	1/4	396.95	1/4	124.05	1/4		1/4	
1/2	2,019.74	1/2	1,747.52	1/2	1,475.27	1/2	1,203.02	1/2	930.78	1/2	663.52	1/2	391.27	1/2	118.37	1/2		1/2	
3/4	2,014.08	3/4	1,741.84	3/4	1,469.60	3/4	1,197.35	3/4	925.10	3/4	657.91	3/4	385.60	3/4	112.68	3/4		3/4	
4	2,008.42	4	1,736.17	4	1,463.93	4	1,191.68	4	919.43	4	652.30	4	379.92	4	106.99	4		4	
1/4	2,002.75	1/4	1,730.50	1/4	1,458.25	1/4	1,186.01	1/4	913.76	1/4	646.63	1/4	374.24	1/4	101.31	1/4		1/4	
1/2	1,997.07	1/2	1,724.83	1/2	1,452.58	1/2	1,180.34	1/2	908.09	1/2	640.96	1/2	368.56	1/2	95.62	1/2		1/2	
3/4	1,991.40	3/4	1,719.16	3/4	1,446.91	3/4	1,174.66	3/4	902.42	3/4	635.28	3/4	362.87	3/4	89.93	3/4		3/4	
5	1,985.73	5	1,713.48	5	1,441.24	5	1,168.99	5	896.75	5	629.61	5	357.19	5	84.25	5		5	
1/4	1,980.06	1/4	1,707.81	1/4	1,435.57	1/4	1,163.32	1/4	891.14	1/4	623.93	1/4	351.50	1/4	78.56	1/4		1/4	
1/2	1,974.39	1/2	1,702.14	1/2	1,429.89	1/2	1,157.65	1/2	885.53	1/2	618.26	1/2	345.82	1/2	72.87	1/2		1/2	
3/4	1,968.72	3/4	1,696.47	3/4	1,424.22	3/4	1,151.98	3/4	879.92	3/4	612.59	3/4	340.13	3/4	67.19	3/4		3/4	
6	1,963.04	6	1,690.80	6	1,418.55	6	1,146.30	6	874.31	6	606.91	6	334.44	6	61.50	6		6	
1/4	1,957.37	1/4	1,685.13	1/4	1,412.88	1/4	1,140.63	1/4	868.77	1/4	601.24	1/4	328.76	1/4	55.82	1/4		1/4	
1/2	1,951.70	1/2	1,679.45	1/2	1,407.21	1/2	1,134.96	1/2	863.22	1/2	595.57	1/2	323.07	1/2	50.13	1/2		1/2	
3/4	1,946.03	3/4	1,673.78	3/4	1,401.54	3/4	1,129.29	3/4	857.68	3/4	589.89	3/4	317.39	3/4	44.44	3/4		3/4	
7	1,940.36	7	1,668.11	7	1,395.86	7	1,123.62	7	852.13	7	584.22	7	311.70	7	38.76	7		7	
1/4	1,934.68	1/4	1,662.44	1/4	1,390.19	1/4	1,117.95	1/4	846.59	1/4	578.54	1/4	306.01	1/4	33.07	1/4		1/4	
1/2	1,929.01	1/2	1,656.77	1/2	1,384.52	1/2	1,112.27	1/2	841.05	1/2	572.87	1/2	300.33	1/2	27.38	1/2		1/2	
3/4	1,923.34	3/4	1,651.09	3/4	1,378.85	3/4	1,106.60	3/4	835.50	3/4	567.19	3/4	294.64	3/4	21.69	3/4		3/4	
8	1,917.67	8	1,645.42	8	1,373.18	8	1,100.93	8	829.96	8	561.52	8	288.95	8	15.99	8		8	
1/4	1,912.00	1/4	1,639.75	1/4	1,367.50	1/4	1,095.26	1/4	824.41	1/4	555.84	1/4	283.27	1/4	10.30	1/4		1/4	
1/2	1,906.33	1/2	1,634.08	1/2	1,361.83	1/2	1,089.59	1/2	818.87	1/2	550.17	1/2	277.58	1/2	4.61	1/2		1/2	
3/4	1,900.65	3/4	1,628.41	3/4	1,356.16	3/4	1,083.91	3/4	813.33	3/4	544.49	3/4	271.90	3/4	-1.08	3/4		3/4	
9	1,894.98	9	1,622.74	9	1,350.49	9	1,078.24	9	807.78	9	538.82	9	266.21	9	-6.79	9		9	
1/4	1,889.31	1/4	1,617.06	1/4	1,344.82	1/4	1,072.57	1/4	802.24	1/4	533.15	1/4	260.52	1/4	-12.50	1/4		1/4	
1/2	1,883.64	1/2	1,611.39	1/2	1,339.15	1/2	1,066.90	1/2	796.70	1/2	527.47	1/2	254.84	1/2	-18.21	1/2		1/2	
3/4	1,877.97	3/4	1,605.72	3/4	1,333.47	3/4	1,061.23	3/4	791.15	3/4	521.80	3/4	249.15	3/4	-23.92	3/4		3/4	
10	1,872.29	10	1,600.05	10	1,327.80	10	1,055.56	10	785.61	10	516.12	10	243.46	10	-29.63	10		10	
1/4	1,866.62	1/4	1,594.38	1/4	1,322.13	1/4	1,049.88	1/4	780.07	1/4	510.45	1/4	237.78	1/4	-35.34	1/4		1/4	
1/2	1,860.95	1/2	1,588.70	1/2	1,316.46	1/2	1,044.21	1/2	774.52	1/2	504.77	1/2	232.09	1/2	-41.05	1/2		1/2	
3/4	1,855.28	3/4	1,583.03	3/4	1,310.79	3/4	1,038.54	3/4	768.98	3/4	499.10	3/4	226.40	3/4	-46.76	3/4		3/4	
11	1,849.61	11	1,577.36	11	1,305.11	11	1,032.87	11	763.44	11	493.42	11	220.72	11	-52.47	11		11	
1/4	1,843.94	1/4	1,571.69	1/4	1,299.44	1/4	1,027.20	1/4	757.89	1/4	487.75	1/4	215.03	1/4	-58.18	1/4		1/4	
1/2	1,838.26	1/2	1,566.02	1/2	1,293.77	1/2	1,021.52	1/2	752.35	1/2	482.07	1/2	209.35	1/2	-63.89	1/2		1/2	
3/4	1,832.59	3/4	1,560.35	3/4	1,288.10	3/4	1,015.85	3/4	746.80	3/4	476.40	3/4	203.66	3/4	-69.60	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/01/2005 CL - SW
CALCULATED: 09/02/2005 CL
VERIFIED: 09/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 11521"

2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-10 1/4"

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		0	3,423.60	0	3,174.58	0	2,925.57	0	2,676.56	0	2,427.54	0	2,178.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,418.41	1/4	3,169.40	1/4	2,920.38	1/4	2,671.37	1/4	2,422.35	1/4	2,173.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,413.22	1/2	3,164.21	1/2	2,915.19	1/2	2,666.18	1/2	2,417.17	1/2	2,168.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,408.04	3/4	3,159.02	3/4	2,910.01	3/4	2,660.99	3/4	2,411.98	3/4	2,162.96
1		1		1		1		1	3,402.85	1	3,153.83	1	2,904.82	1	2,655.80	1	2,406.79	1	2,157.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,397.66	1/4	3,148.65	1/4	2,899.63	1/4	2,650.62	1/4	2,401.60	1/4	2,152.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,392.47	1/2	3,143.46	1/2	2,894.44	1/2	2,645.43	1/2	2,396.41	1/2	2,147.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,387.28	3/4	3,138.27	3/4	2,889.26	3/4	2,640.24	3/4	2,391.23	3/4	2,142.21
2		2		2		2		2	3,382.10	2	3,133.08	2	2,884.07	2	2,635.05	2	2,386.04	2	2,137.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,603.45	1/4	3,376.91	1/4	3,127.89	1/4	2,878.88	1/4	2,629.87	1/4	2,380.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,601.72	1/2	3,371.72	1/2	3,122.71	1/2	2,873.69	1/2	2,624.68	1/2	2,375.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,600.00	3/4	3,366.53	3/4	3,117.52	3/4	2,868.50	3/4	2,619.49	3/4	2,370.48
3		3		3		3		3	3,598.27	3	3,361.35	3	3,112.33	3	2,863.32	3	2,614.30	3	2,365.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,596.54	1/4	3,356.16	1/4	3,107.14	1/4	2,858.13	1/4	2,609.11	1/4	2,360.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,593.08	1/2	3,350.97	1/2	3,101.96	1/2	2,852.94	1/2	2,603.93	1/2	2,354.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,589.62	3/4	3,345.78	3/4	3,096.77	3/4	2,847.75	3/4	2,598.74	3/4	2,349.72
4		4		4		4		4	3,586.16	4	3,340.59	4	3,091.58	4	2,842.57	4	2,593.55	4	2,344.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,582.70	1/4	3,335.41	1/4	3,086.39	1/4	2,837.38	1/4	2,588.36	1/4	2,339.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,577.94	1/2	3,330.22	1/2	3,081.20	1/2	2,832.19	1/2	2,583.18	1/2	2,334.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,573.18	3/4	3,325.03	3/4	3,076.02	3/4	2,827.00	3/4	2,577.99	3/4	2,328.97
5		5		5		5		5	3,568.43	5	3,319.84	5	3,070.83	5	2,821.81	5	2,572.80	5	2,323.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,563.67	1/4	3,314.66	1/4	3,065.64	1/4	2,816.63	1/4	2,567.61	1/4	2,318.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,558.48	1/2	3,309.47	1/2	3,060.45	1/2	2,811.44	1/2	2,562.42	1/2	2,313.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,553.29	3/4	3,304.28	3/4	3,055.27	3/4	2,806.25	3/4	2,557.24	3/4	2,308.22
6		6		6		6		6	3,548.11	6	3,299.09	6	3,050.08	6	2,801.06	6	2,552.05	6	2,303.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,542.92	1/4	3,293.90	1/4	3,044.89	1/4	2,795.88	1/4	2,546.86	1/4	2,297.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,537.73	1/2	3,288.72	1/2	3,039.70	1/2	2,790.69	1/2	2,541.67	1/2	2,292.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,532.54	3/4	3,283.53	3/4	3,034.51	3/4	2,785.50	3/4	2,536.49	3/4	2,287.47
7		7		7		7		7	3,527.36	7	3,278.34	7	3,029.33	7	2,780.31	7	2,531.30	7	2,282.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,522.17	1/4	3,273.15	1/4	3,024.14	1/4	2,775.12	1/4	2,526.11	1/4	2,277.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,516.98	1/2	3,267.97	1/2	3,018.95	1/2	2,769.94	1/2	2,520.92	1/2	2,271.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,511.79	3/4	3,262.78	3/4	3,013.76	3/4	2,764.75	3/4	2,515.73	3/4	2,266.72
8		8		8		8		8	3,506.60	8	3,257.59	8	3,008.58	8	2,759.56	8	2,510.55	8	2,261.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,501.42	1/4	3,252.40	1/4	3,003.39	1/4	2,754.37	1/4	2,505.36	1/4	2,256.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,496.23	1/2	3,247.21	1/2	2,998.20	1/2	2,749.19	1/2	2,500.17	1/2	2,251.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,491.04	3/4	3,242.03	3/4	2,993.01	3/4	2,744.00	3/4	2,494.98	3/4	2,245.97
9		9		9		9		9	3,485.85	9	3,236.84	9	2,987.82	9	2,738.81	9	2,489.80	9	2,240.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,480.67	1/4	3,231.65	1/4	2,982.64	1/4	2,733.62	1/4	2,484.61	1/4	2,235.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,475.48	1/2	3,226.46	1/2	2,977.45	1/2	2,728.43	1/2	2,479.42	1/2	2,230.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,470.29	3/4	3,221.28	3/4	2,972.26	3/4	2,723.25	3/4	2,474.23	3/4	2,225.22
10		10		10		10		10	3,465.10	10	3,216.09	10	2,967.07	10	2,718.06	10	2,469.04	10	2,220.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,459.91	1/4	3,210.90	1/4	2,961.89	1/4	2,712.87	1/4	2,463.86	1/4	2,214.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,454.73	1/2	3,205.71	1/2	2,956.70	1/2	2,707.68	1/2	2,458.67	1/2	2,209.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,449.54	3/4	3,200.52	3/4	2,951.51	3/4	2,702.50	3/4	2,453.48	3/4	2,204.47
11		11		11		11		11	3,444.35	11	3,195.34	11	2,946.32	11	2,697.31	11	2,448.29	11	2,199.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,439.16	1/4	3,190.15	1/4	2,941.13	1/4	2,692.12	1/4	2,443.11	1/4	2,194.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,433.97	1/2	3,184.96	1/2	2,935.95	1/2	2,686.93	1/2	2,437.92	1/2	2,188.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,428.79	3/4	3,179.77	3/4	2,930.76	3/4	2,681.74	3/4	2,432.73	3/4	2,183.72

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 29'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>





BARGE "KIRBY 11521"

2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-10 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	1,929.51	0	1,680.50	0	1,431.48	0	1,182.47	0	933.46	0	688.24	0	441.54	0	192.55	0		0	
1/4	1,924.33	1/4	1,675.31	1/4	1,426.30	1/4	1,177.28	1/4	928.27	1/4	683.20	1/4	436.35	1/4	187.36	1/4		1/4	
1/2	1,919.14	1/2	1,670.12	1/2	1,421.11	1/2	1,172.09	1/2	923.08	1/2	678.17	1/2	431.16	1/2	182.17	1/2		1/2	
3/4	1,913.95	3/4	1,664.94	3/4	1,415.92	3/4	1,166.91	3/4	917.89	3/4	673.13	3/4	425.98	3/4	176.99	3/4		3/4	
1	1,908.76	1	1,659.75	1	1,410.73	1	1,161.72	1	912.70	1	668.10	1	420.79	1	171.80	1		1	
1/4	1,903.57	1/4	1,654.56	1/4	1,405.55	1/4	1,156.53	1/4	907.52	1/4	663.06	1/4	415.60	1/4	166.61	1/4		1/4	
1/2	1,898.39	1/2	1,649.37	1/2	1,400.36	1/2	1,151.34	1/2	902.33	1/2	658.03	1/2	410.41	1/2	161.42	1/2		1/2	
3/4	1,893.20	3/4	1,644.18	3/4	1,395.17	3/4	1,146.16	3/4	897.14	3/4	652.99	3/4	405.23	3/4	156.24	3/4		3/4	
2	1,888.01	2	1,639.00	2	1,389.98	2	1,140.97	2	891.95	2	647.96	2	400.04	2	151.05	2		2	
1/4	1,882.82	1/4	1,633.81	1/4	1,384.79	1/4	1,135.78	1/4	886.77	1/4	642.92	1/4	394.85	1/4	145.86	1/4		1/4	
1/2	1,877.63	1/2	1,628.62	1/2	1,379.61	1/2	1,130.59	1/2	881.58	1/2	637.89	1/2	389.67	1/2	140.68	1/2		1/2	
3/4	1,872.45	3/4	1,623.43	3/4	1,374.42	3/4	1,125.40	3/4	876.39	3/4	632.85	3/4	384.48	3/4	135.49	3/4		3/4	
3	1,867.26	3	1,618.24	3	1,369.23	3	1,120.22	3	871.20	3	627.81	3	379.29	3	130.30	3		3	
1/4	1,862.07	1/4	1,613.06	1/4	1,364.04	1/4	1,115.03	1/4	866.01	1/4	622.78	1/4	374.10	1/4	125.11	1/4		1/4	
1/2	1,856.88	1/2	1,607.87	1/2	1,358.85	1/2	1,109.84	1/2	860.83	1/2	617.67	1/2	368.92	1/2	119.93	1/2		1/2	
3/4	1,851.70	3/4	1,602.68	3/4	1,353.67	3/4	1,104.65	3/4	855.64	3/4	612.56	3/4	363.73	3/4	114.74	3/4		3/4	
4	1,846.51	4	1,597.49	4	1,348.48	4	1,099.46	4	850.45	4	607.45	4	358.54	4	109.55	4		4	
1/4	1,841.32	1/4	1,592.31	1/4	1,343.29	1/4	1,094.28	1/4	845.26	1/4	602.34	1/4	353.35	1/4	104.36	1/4		1/4	
1/2	1,836.13	1/2	1,587.12	1/2	1,338.10	1/2	1,089.09	1/2	840.07	1/2	597.15	1/2	348.17	1/2	99.18	1/2		1/2	
3/4	1,830.94	3/4	1,581.93	3/4	1,332.92	3/4	1,083.90	3/4	834.89	3/4	591.96	3/4	342.98	3/4	93.99	3/4		3/4	
5	1,825.76	5	1,576.74	5	1,327.73	5	1,078.71	5	829.70	5	586.78	5	337.79	5	88.80	5		5	
1/4	1,820.57	1/4	1,571.55	1/4	1,322.54	1/4	1,073.53	1/4	824.51	1/4	581.59	1/4	332.61	1/4	83.62	1/4		1/4	
1/2	1,815.38	1/2	1,566.37	1/2	1,317.35	1/2	1,068.34	1/2	819.40	1/2	576.40	1/2	327.42	1/2	78.43	1/2		1/2	
3/4	1,810.19	3/4	1,561.18	3/4	1,312.16	3/4	1,063.15	3/4	814.29	3/4	571.22	3/4	322.23	3/4	73.24	3/4		3/4	
6	1,805.01	6	1,555.99	6	1,306.98	6	1,057.96	6	809.17	6	566.03	6	317.04	6	68.05	6		6	
1/4	1,799.82	1/4	1,550.80	1/4	1,301.79	1/4	1,052.77	1/4	804.06	1/4	560.85	1/4	311.86	1/4	62.87	1/4		1/4	
1/2	1,794.63	1/2	1,545.62	1/2	1,296.60	1/2	1,047.59	1/2	799.03	1/2	555.66	1/2	306.67	1/2	57.68	1/2		1/2	
3/4	1,789.44	3/4	1,540.43	3/4	1,291.41	3/4	1,042.40	3/4	793.99	3/4	550.47	3/4	301.48	3/4	52.49	3/4		3/4	
7	1,784.25	7	1,535.24	7	1,286.23	7	1,037.21	7	788.95	7	545.28	7	296.29	7	47.30	7		7	
1/4	1,779.07	1/4	1,530.05	1/4	1,281.04	1/4	1,032.02	1/4	783.92	1/4	540.10	1/4	291.11	1/4	42.12	1/4		1/4	
1/2	1,773.88	1/2	1,524.86	1/2	1,275.85	1/2	1,026.84	1/2	778.88	1/2	534.91	1/2	285.92	1/2	37.36	1/2		1/2	
3/4	1,768.69	3/4	1,519.68	3/4	1,270.66	3/4	1,021.65	3/4	773.84	3/4	529.72	3/4	280.73	3/4	32.61	3/4		3/4	
8	1,763.50	8	1,514.49	8	1,265.47	8	1,016.46	8	768.81	8	524.54	8	275.55	8	27.85	8		8	
1/4	1,758.32	1/4	1,509.30	1/4	1,260.29	1/4	1,011.27	1/4	763.77	1/4	519.35	1/4	270.36	1/4	23.10	1/4		1/4	
1/2	1,753.13	1/2	1,504.11	1/2	1,255.10	1/2	1,006.08	1/2	758.74	1/2	514.16	1/2	265.17	1/2	19.64	1/2		1/2	
3/4	1,747.94	3/4	1,498.93	3/4	1,249.91	3/4	1,000.90	3/4	753.70	3/4	508.97	3/4	259.98	3/4	16.18	3/4		3/4	
9	1,742.75	9	1,493.74	9	1,244.72	9	995.71	9	748.66	9	503.79	9	254.80	9	12.72	9		9	
1/4	1,737.56	1/4	1,488.55	1/4	1,239.54	1/4	990.52	1/4	743.63	1/4	498.60	1/4	249.61	1/4	9.26	1/4		1/4	
1/2	1,732.38	1/2	1,483.36	1/2	1,234.35	1/2	985.33	1/2	738.59	1/2	493.41	1/2	244.42	1/2	7.54	1/2		1/2	
3/4	1,727.19	3/4	1,478.17	3/4	1,229.16	3/4	980.15	3/4	733.56	3/4	488.22	3/4	239.23	3/4	5.81	3/4		3/4	
10	1,722.00	10	1,472.99	10	1,223.97	10	974.96	10	728.52	10	483.04	10	234.05	10	4.08	10		10	
1/4	1,716.81	1/4	1,467.80	1/4	1,218.78	1/4	969.77	1/4	723.49	1/4	477.85	1/4	228.86	1/4	2.35	1/4		1/4	
1/2	1,711.63	1/2	1,462.61	1/2	1,213.60	1/2	964.58	1/2	718.45	1/2	472.66	1/2	223.67	1/2		1/2		1/2	
3/4	1,706.44	3/4	1,457.42	3/4	1,208.41	3/4	959.39	3/4	713.42	3/4	467.48	3/4	218.48	3/4		3/4		3/4	
11	1,701.25	11	1,452.24	11	1,203.22	11	954.21	11	708.38	11	462.29	11	213.30	11		11		11	
1/4	1,696.06	1/4	1,447.05	1/4	1,198.03	1/4	949.02	1/4	703.35	1/4	457.10	1/4	208.11	1/4		1/4		1/4	
1/2	1,690.87	1/2	1,441.86	1/2	1,192.85	1/2	943.83	1/2	698.31	1/2	451.91	1/2	202.92	1/2		1/2		1/2	
3/4	1,685.69	3/4	1,436.67	3/4	1,187.66	3/4	938.64	3/4	693.28	3/4	446.73	3/4	197.74	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/01/2005 CL - SW
CALCULATED: 09/02/2005 CL
VERIFIED: 09/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 11521"

3 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	3,399.73	0	3,152.49	0	2,905.26	0	2,658.02	0	2,410.78	0	2,163.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,394.58	1/4	3,147.34	1/4	2,900.10	1/4	2,652.87	1/4	2,405.63	1/4	2,158.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,389.43	1/2	3,142.19	1/2	2,894.95	1/2	2,647.72	1/2	2,400.48	1/2	2,153.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,384.28	3/4	3,137.04	3/4	2,889.80	3/4	2,642.56	3/4	2,395.33	3/4	2,148.09
1		1		1		1		1	3,379.13	1	3,131.89	1	2,884.65	1	2,637.41	1	2,390.18	1	2,142.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,373.98	1/4	3,126.74	1/4	2,879.50	1/4	2,632.26	1/4	2,385.02	1/4	2,137.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,368.83	1/2	3,121.59	1/2	2,874.35	1/2	2,627.11	1/2	2,379.87	1/2	2,132.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,363.68	3/4	3,116.44	3/4	2,869.20	3/4	2,621.96	3/4	2,374.72	3/4	2,127.48
2		2		2		2	3,583.47	2	3,358.53	2	3,111.29	2	2,864.05	2	2,616.81	2	2,369.57	2	2,122.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,581.75	1/4	3,353.38	1/4	3,106.14	1/4	2,858.90	1/4	2,611.66	1/4	2,364.42	1/4	2,117.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,580.04	1/2	3,348.22	1/2	3,100.99	1/2	2,853.75	1/2	2,606.51	1/2	2,359.27	1/2	2,112.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,578.32	3/4	3,343.07	3/4	3,095.84	3/4	2,848.60	3/4	2,601.36	3/4	2,354.12	3/4	2,106.88
3		3		3		3	3,576.60	3	3,337.92	3	3,090.68	3	2,843.45	3	2,596.21	3	2,348.97	3	2,101.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,573.17	1/4	3,332.77	1/4	3,085.53	1/4	2,838.30	1/4	2,591.06	1/4	2,343.82	1/4	2,096.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,569.74	1/2	3,327.62	1/2	3,080.38	1/2	2,833.14	1/2	2,585.91	1/2	2,338.67	1/2	2,091.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,566.31	3/4	3,322.47	3/4	3,075.23	3/4	2,827.99	3/4	2,580.76	3/4	2,333.52	3/4	2,086.28
4		4		4		4	3,562.87	4	3,317.32	4	3,070.08	4	2,822.84	4	2,575.60	4	2,328.37	4	2,081.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,558.14	1/4	3,312.17	1/4	3,064.93	1/4	2,817.69	1/4	2,570.45	1/4	2,323.22	1/4	2,075.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,553.41	1/2	3,307.02	1/2	3,059.78	1/2	2,812.54	1/2	2,565.30	1/2	2,318.06	1/2	2,070.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,548.68	3/4	3,301.87	3/4	3,054.63	3/4	2,807.39	3/4	2,560.15	3/4	2,312.91	3/4	2,065.68
5		5		5		5	3,543.95	5	3,296.72	5	3,049.48	5	2,802.24	5	2,555.00	5	2,307.76	5	2,060.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,538.80	1/4	3,291.57	1/4	3,044.33	1/4	2,797.09	1/4	2,549.85	1/4	2,302.61	1/4	2,055.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,533.65	1/2	3,286.41	1/2	3,039.18	1/2	2,791.94	1/2	2,544.70	1/2	2,297.46	1/2	2,050.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,528.50	3/4	3,281.26	3/4	3,034.03	3/4	2,786.79	3/4	2,539.55	3/4	2,292.31	3/4	2,045.07
6		6		6		6	3,523.35	6	3,276.11	6	3,028.87	6	2,781.64	6	2,534.40	6	2,287.16	6	2,039.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,518.20	1/4	3,270.96	1/4	3,023.72	1/4	2,776.49	1/4	2,529.25	1/4	2,282.01	1/4	2,034.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,513.05	1/2	3,265.81	1/2	3,018.57	1/2	2,771.33	1/2	2,524.10	1/2	2,276.86	1/2	2,029.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,507.90	3/4	3,260.66	3/4	3,013.42	3/4	2,766.18	3/4	2,518.95	3/4	2,271.71	3/4	2,024.47
7		7		7		7	3,502.75	7	3,255.51	7	3,008.27	7	2,761.03	7	2,513.79	7	2,266.56	7	2,019.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,497.60	1/4	3,250.36	1/4	3,003.12	1/4	2,755.88	1/4	2,508.64	1/4	2,261.41	1/4	2,014.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,492.45	1/2	3,245.21	1/2	2,997.97	1/2	2,750.73	1/2	2,503.49	1/2	2,256.25	1/2	2,009.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,487.30	3/4	3,240.06	3/4	2,992.82	3/4	2,745.58	3/4	2,498.34	3/4	2,251.10	3/4	2,003.87
8		8		8		8	3,482.15	8	3,234.91	8	2,987.67	8	2,740.43	8	2,493.19	8	2,245.95	8	1,998.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,476.99	1/4	3,229.76	1/4	2,982.52	1/4	2,735.28	1/4	2,488.04	1/4	2,240.80	1/4	1,993.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,471.84	1/2	3,224.61	1/2	2,977.37	1/2	2,730.13	1/2	2,482.89	1/2	2,235.65	1/2	1,988.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,466.69	3/4	3,219.45	3/4	2,972.22	3/4	2,724.98	3/4	2,477.74	3/4	2,230.50	3/4	1,983.26
9		9		9		9	3,461.54	9	3,214.30	9	2,967.07	9	2,719.83	9	2,472.59	9	2,225.35	9	1,978.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,456.39	1/4	3,209.15	1/4	2,961.91	1/4	2,714.68	1/4	2,467.44	1/4	2,220.20	1/4	1,972.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,451.24	1/2	3,204.00	1/2	2,956.76	1/2	2,709.53	1/2	2,462.29	1/2	2,215.05	1/2	1,967.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,446.09	3/4	3,198.85	3/4	2,951.61	3/4	2,704.37	3/4	2,457.14	3/4	2,209.90	3/4	1,962.66
10		10		10		10	3,440.94	10	3,193.70	10	2,946.46	10	2,699.22	10	2,451.99	10	2,204.75	10	1,957.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,435.79	1/4	3,188.55	1/4	2,941.31	1/4	2,694.07	1/4	2,446.83	1/4	2,199.60	1/4	1,952.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,430.64	1/2	3,183.40	1/2	2,936.16	1/2	2,688.92	1/2	2,441.68	1/2	2,194.45	1/2	1,947.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,425.49	3/4	3,178.25	3/4	2,931.01	3/4	2,683.77	3/4	2,436.53	3/4	2,189.29	3/4	1,942.06
11		11		11		11	3,420.34	11	3,173.10	11	2,925.86	11	2,678.62	11	2,431.38	11	2,184.14	11	1,936.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,415.18	1/4	3,167.95	1/4	2,920.71	1/4	2,673.47	1/4	2,426.23	1/4	2,178.99	1/4	1,931.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,410.03	1/2	3,162.80	1/2	2,915.56	1/2	2,668.32	1/2	2,421.08	1/2	2,173.84	1/2	1,926.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,404.88	3/4	3,157.64	3/4	2,910.41	3/4	2,663.17	3/4	2,415.93	3/4	2,168.69	3/4	1,921.45

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'-08" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>





BARGE "KIRBY 11521"

3 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	1,916.30	0	1,669.06	0	1,421.83	0	1,174.59	0	927.35	0	680.36	0	433.26	0	186.04	0		0	
1/4	1,911.15	1/4	1,663.91	1/4	1,416.67	1/4	1,169.44	1/4	922.20	1/4	675.22	1/4	428.11	1/4	180.89	1/4		1/4	
1/2	1,906.00	1/2	1,658.76	1/2	1,411.52	1/2	1,164.29	1/2	917.05	1/2	670.08	1/2	422.96	1/2	175.74	1/2		1/2	
3/4	1,900.85	3/4	1,653.61	3/4	1,406.37	3/4	1,159.13	3/4	911.90	3/4	664.94	3/4	417.81	3/4	170.59	3/4		3/4	
1	1,895.70	1	1,648.46	1	1,401.22	1	1,153.98	1	906.75	1	659.80	1	412.66	1	165.44	1		1	
1/4	1,890.55	1/4	1,643.31	1/4	1,396.07	1/4	1,148.83	1/4	901.59	1/4	654.66	1/4	407.51	1/4	160.29	1/4		1/4	
1/2	1,885.40	1/2	1,638.16	1/2	1,390.92	1/2	1,143.68	1/2	896.44	1/2	649.52	1/2	402.36	1/2	155.14	1/2		1/2	
3/4	1,880.25	3/4	1,633.01	3/4	1,385.77	3/4	1,138.53	3/4	891.29	3/4	644.38	3/4	397.21	3/4	149.99	3/4		3/4	
2	1,875.10	2	1,627.86	2	1,380.62	2	1,133.38	2	886.14	2	639.23	2	392.06	2	144.84	2		2	
1/4	1,869.94	1/4	1,622.71	1/4	1,375.47	1/4	1,128.23	1/4	880.99	1/4	634.09	1/4	386.91	1/4	139.69	1/4		1/4	
1/2	1,864.79	1/2	1,617.56	1/2	1,370.32	1/2	1,123.08	1/2	875.84	1/2	628.95	1/2	381.76	1/2	134.54	1/2		1/2	
3/4	1,859.64	3/4	1,612.40	3/4	1,365.17	3/4	1,117.93	3/4	870.69	3/4	623.81	3/4	376.61	3/4	129.39	3/4		3/4	
3	1,854.49	3	1,607.25	3	1,360.02	3	1,112.78	3	865.54	3	618.67	3	371.46	3	124.23	3		3	
1/4	1,849.34	1/4	1,602.10	1/4	1,354.86	1/4	1,107.63	1/4	860.39	1/4	613.53	1/4	366.31	1/4	119.08	1/4		1/4	
1/2	1,844.19	1/2	1,596.95	1/2	1,349.71	1/2	1,102.48	1/2	855.24	1/2	608.38	1/2	361.16	1/2	113.93	1/2		1/2	
3/4	1,839.04	3/4	1,591.80	3/4	1,344.56	3/4	1,097.32	3/4	850.09	3/4	603.23	3/4	356.01	3/4	108.78	3/4		3/4	
4	1,833.89	4	1,586.65	4	1,339.41	4	1,092.17	4	844.94	4	598.09	4	350.86	4	103.63	4		4	
1/4	1,828.74	1/4	1,581.50	1/4	1,334.26	1/4	1,087.02	1/4	839.78	1/4	592.94	1/4	345.71	1/4	98.48	1/4		1/4	
1/2	1,823.59	1/2	1,576.35	1/2	1,329.11	1/2	1,081.87	1/2	834.63	1/2	587.79	1/2	340.56	1/2	93.33	1/2		1/2	
3/4	1,818.44	3/4	1,571.20	3/4	1,323.96	3/4	1,076.72	3/4	829.48	3/4	582.64	3/4	335.41	3/4	88.18	3/4		3/4	
5	1,813.29	5	1,566.05	5	1,318.81	5	1,071.57	5	824.33	5	577.49	5	330.25	5	83.03	5		5	
1/4	1,808.14	1/4	1,560.90	1/4	1,313.66	1/4	1,066.42	1/4	819.19	1/4	572.34	1/4	325.10	1/4	77.88	1/4		1/4	
1/2	1,802.98	1/2	1,555.75	1/2	1,308.51	1/2	1,061.27	1/2	814.04	1/2	567.19	1/2	319.95	1/2	72.73	1/2		1/2	
3/4	1,797.83	3/4	1,550.60	3/4	1,303.36	3/4	1,056.12	3/4	808.89	3/4	562.04	3/4	314.80	3/4	67.58	3/4		3/4	
6	1,792.68	6	1,545.44	6	1,298.21	6	1,050.97	6	803.75	6	556.89	6	309.65	6	62.43	6		6	
1/4	1,787.53	1/4	1,540.29	1/4	1,293.06	1/4	1,045.82	1/4	798.61	1/4	551.73	1/4	304.50	1/4	57.28	1/4		1/4	
1/2	1,782.38	1/2	1,535.14	1/2	1,287.90	1/2	1,040.67	1/2	793.46	1/2	546.58	1/2	299.35	1/2	52.13	1/2		1/2	
3/4	1,777.23	3/4	1,529.99	3/4	1,282.75	3/4	1,035.52	3/4	788.32	3/4	541.43	3/4	294.20	3/4	46.98	3/4		3/4	
7	1,772.08	7	1,524.84	7	1,277.60	7	1,030.36	7	783.18	7	536.27	7	289.05	7	41.83	7		7	
1/4	1,766.93	1/4	1,519.69	1/4	1,272.45	1/4	1,025.21	1/4	778.04	1/4	531.12	1/4	283.90	1/4	37.11	1/4		1/4	
1/2	1,761.78	1/2	1,514.54	1/2	1,267.30	1/2	1,020.06	1/2	772.90	1/2	525.97	1/2	278.75	1/2	32.38	1/2		1/2	
3/4	1,756.63	3/4	1,509.39	3/4	1,262.15	3/4	1,014.91	3/4	767.76	3/4	520.82	3/4	273.60	3/4	27.66	3/4		3/4	
8	1,751.48	8	1,504.24	8	1,257.00	8	1,009.76	8	762.61	8	515.67	8	268.45	8	22.94	8		8	
1/4	1,746.33	1/4	1,499.09	1/4	1,251.85	1/4	1,004.61	1/4	757.47	1/4	510.52	1/4	263.30	1/4	19.51	1/4		1/4	
1/2	1,741.17	1/2	1,493.94	1/2	1,246.70	1/2	999.46	1/2	752.33	1/2	505.37	1/2	258.15	1/2	16.07	1/2		1/2	
3/4	1,736.02	3/4	1,488.79	3/4	1,241.55	3/4	994.31	3/4	747.19	3/4	500.22	3/4	253.00	3/4	12.64	3/4		3/4	
9	1,730.87	9	1,483.63	9	1,236.40	9	989.16	9	742.05	9	495.07	9	247.85	9	9.21	9		9	
1/4	1,725.72	1/4	1,478.48	1/4	1,231.25	1/4	984.01	1/4	736.91	1/4	489.92	1/4	242.70	1/4	7.49	1/4		1/4	
1/2	1,720.57	1/2	1,473.33	1/2	1,226.09	1/2	978.86	1/2	731.77	1/2	484.77	1/2	237.55	1/2	5.77	1/2		1/2	
3/4	1,715.42	3/4	1,468.18	3/4	1,220.94	3/4	973.71	3/4	726.63	3/4	479.62	3/4	232.40	3/4	4.06	3/4		3/4	
10	1,710.27	10	1,463.03	10	1,215.79	10	968.55	10	721.49	10	474.47	10	227.24	10	2.34	10		10	
1/4	1,705.12	1/4	1,457.88	1/4	1,210.64	1/4	963.40	1/4	716.35	1/4	469.32	1/4	222.09	1/4		1/4		1/4	
1/2	1,699.97	1/2	1,452.73	1/2	1,205.49	1/2	958.25	1/2	711.21	1/2	464.17	1/2	216.94	1/2		1/2		1/2	
3/4	1,694.82	3/4	1,447.58	3/4	1,200.34	3/4	953.10	3/4	706.06	3/4	459.02	3/4	211.79	3/4		3/4		3/4	
11	1,689.67	11	1,442.43	11	1,195.19	11	947.95	11	700.92	11	453.87	11	206.64	11		11		11	
1/4	1,684.52	1/4	1,437.28	1/4	1,190.04	1/4	942.80	1/4	695.78	1/4	448.72	1/4	201.49	1/4		1/4		1/4	
1/2	1,679.37	1/2	1,432.13	1/2	1,184.89	1/2	937.65	1/2	690.64	1/2	443.57	1/2	196.34	1/2		1/2		1/2	
3/4	1,674.21	3/4	1,426.98	3/4	1,179.74	3/4	932.50	3/4	685.50	3/4	438.42	3/4	191.19	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/01/2005 CL - SW
CALCULATED: 09/02/2005 CL
VERIFIED: 09/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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