

BARGE "KIRBY 27713"

INNAGE 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 PORT	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-1/2	01-1/2	- 01-7/8	01-7/8	- 02-1/4	02-1/4
1 STBD	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-1/2	01-1/2	- 01-3/4	01-3/4	- 02-1/8	02-1/8
2 PORT	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-1/8	02-1/8
2 STBD	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-1/8	02-1/8
3 PORT	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-1/8	02-1/8
3 STBD	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-1/8	02-1/8

(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)

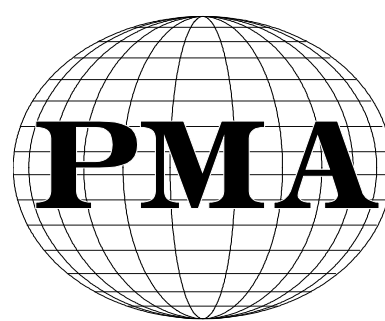
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-3/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 3/4"

LENGTH BETWEEN DRAFT MARKS: 242'-03"

January 10, 2024

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

<http://www.pmacorp.net>



BARGE "KIRBY 27713"

1 PORT INNAGE TABLE

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

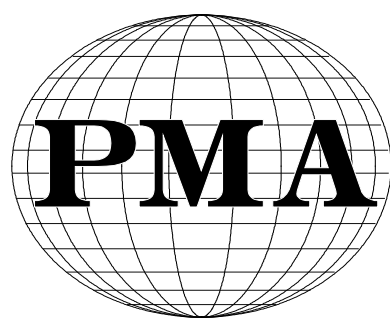
GAUGE HEIGHT 16'-07 1/4"

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	5.37	0	301.46	0	653.26	0	1,018.12	0	1,382.88	0	1,748.86	0	2,115.11	0	2,481.34	0	2,847.58	0	3,213.81
1/4	8.92	1/4	308.57	1/4	660.89	1/4	1,025.69	1/4	1,390.48	1/4	1,756.49	1/4	2,122.74	1/4	2,488.97	1/4	2,855.21	1/4	3,221.44
1/2	12.48	1/2	315.69	1/2	668.52	1/2	1,033.27	1/2	1,398.08	1/2	1,764.12	1/2	2,130.37	1/2	2,496.60	1/2	2,862.84	1/2	3,229.07
3/4	16.04	3/4	322.80	3/4	676.15	3/4	1,040.84	3/4	1,405.68	3/4	1,771.75	3/4	2,138.00	3/4	2,504.23	3/4	2,870.47	3/4	3,236.70
1	20.57	1	329.95	1	683.78	1	1,048.41	1	1,413.29	1	1,779.38	1	2,145.63	1	2,511.86	1	2,878.10	1	3,244.33
1/4	26.07	1/4	337.14	1/4	691.41	1/4	1,055.98	1/4	1,420.89	1/4	1,787.02	1/4	2,153.26	1/4	2,519.49	1/4	2,885.73	1/4	3,251.96
1/2	31.57	1/2	344.32	1/2	699.04	1/2	1,063.56	1/2	1,428.49	1/2	1,794.65	1/2	2,160.88	1/2	2,527.12	1/2	2,893.36	1/2	3,259.59
3/4	37.08	3/4	351.50	3/4	706.67	3/4	1,071.13	3/4	1,436.10	3/4	1,802.28	3/4	2,168.51	3/4	2,534.75	3/4	2,900.99	3/4	3,267.22
2	42.82	2	358.73	2	714.30	2	1,078.70	2	1,443.70	2	1,809.91	2	2,176.14	2	2,542.38	2	2,908.62	2	3,274.85
1/4	48.79	1/4	365.99	1/4	721.93	1/4	1,086.27	1/4	1,451.32	1/4	1,817.54	1/4	2,183.77	1/4	2,550.01	1/4	2,916.24	1/4	3,282.48
1/2	54.76	1/2	373.25	1/2	729.57	1/2	1,093.85	1/2	1,458.94	1/2	1,825.17	1/2	2,191.40	1/2	2,557.64	1/2	2,923.87	1/2	3,290.11
3/4	60.74	3/4	380.51	3/4	737.20	3/4	1,101.42	3/4	1,466.55	3/4	1,832.80	3/4	2,199.03	3/4	2,565.27	3/4	2,931.50	3/4	3,297.74
3	66.55	3	387.82	3	744.83	3	1,108.99	3	1,474.18	3	1,840.43	3	2,206.66	3	2,572.90	3	2,939.13	3	3,305.37
1/4	72.19	1/4	395.17	1/4	752.46	1/4	1,116.57	1/4	1,481.81	1/4	1,848.06	1/4	2,214.29	1/4	2,580.53	1/4	2,946.76	1/4	3,313.00
1/2	77.84	1/2	402.53	1/2	760.09	1/2	1,124.14	1/2	1,489.44	1/2	1,855.69	1/2	2,221.92	1/2	2,588.16	1/2	2,954.39	1/2	3,320.63
3/4	83.48	3/4	409.88	3/4	767.72	3/4	1,131.71	3/4	1,497.07	3/4	1,863.32	3/4	2,229.55	3/4	2,595.79	3/4	2,962.02	3/4	3,328.26
4	89.17	4	417.17	4	775.35	4	1,139.30	4	1,504.70	4	1,870.95	4	2,237.18	4	2,603.42	4	2,969.65	4	3,335.89
1/4	94.92	1/4	424.40	1/4	782.98	1/4	1,146.89	1/4	1,512.33	1/4	1,878.58	1/4	2,244.81	1/4	2,611.05	1/4	2,977.28	1/4	3,343.52
1/2	100.66	1/2	431.63	1/2	790.61	1/2	1,154.47	1/2	1,519.96	1/2	1,886.21	1/2	2,252.44	1/2	2,618.68	1/2	2,984.91	1/2	3,351.15
3/4	106.40	3/4	438.86	3/4	798.24	3/4	1,162.06	3/4	1,527.59	3/4	1,893.84	3/4	2,260.07	3/4	2,626.31	3/4	2,992.54	3/4	3,358.78
5	112.41	5	445.91	5	805.86	5	1,169.67	5	1,535.22	5	1,901.47	5	2,267.70	5	2,633.94	5	3,000.17	5	3,366.41
1/4	118.68	1/4	452.79	1/4	813.48	1/4	1,177.28	1/4	1,542.85	1/4	1,909.10	1/4	2,275.33	1/4	2,641.57	1/4	3,007.80	1/4	3,374.04
1/2	124.95	1/2	459.66	1/2	821.09	1/2	1,184.90	1/2	1,550.48	1/2	1,916.73	1/2	2,282.96	1/2	2,649.20	1/2	3,015.43	1/2	3,381.67
3/4	131.22	3/4	466.54	3/4	828.71	3/4	1,192.52	3/4	1,558.11	3/4	1,924.36	3/4	2,290.59	3/4	2,656.83	3/4	3,023.06	3/4	3,389.30
6	137.65	6	473.44	6	836.31	6	1,200.14	6	1,565.74	6	1,931.99	6	2,298.22	6	2,664.46	6	3,030.69	6	3,396.93
1/4	144.23	1/4	480.38	1/4	843.90	1/4	1,207.77	1/4	1,573.37	1/4	1,939.62	1/4	2,305.85	1/4	2,672.09	1/4	3,038.32	1/4	3,404.56
1/2	150.81	1/2	487.32	1/2	851.49	1/2	1,215.40	1/2	1,581.00	1/2	1,947.25	1/2	2,313.48	1/2	2,679.72	1/2	3,045.95	1/2	3,412.19
3/4	157.39	3/4	494.26	3/4	859.08	3/4	1,223.03	3/4	1,588.63	3/4	1,954.88	3/4	2,321.11	3/4	2,687.35	3/4	3,053.58	3/4	3,419.82
7	164.02	7	501.43	7	866.66	7	1,230.66	7	1,596.26	7	1,962.51	7	2,328.74	7	2,694.98	7	3,061.21	7	3,427.45
1/4	170.70	1/4	508.84	1/4	874.24	1/4	1,238.29	1/4	1,603.89	1/4	1,970.14	1/4	2,336.37	1/4	2,702.61	1/4	3,068.84	1/4	3,435.08
1/2	177.37	1/2	516.24	1/2	881.81	1/2	1,245.92	1/2	1,611.52	1/2	1,977.77	1/2	2,344.00	1/2	2,710.24	1/2	3,076.47	1/2	3,442.71
3/4	184.05	3/4	523.65	3/4	889.38	3/4	1,253.55	3/4	1,619.15	3/4	1,985.40	3/4	2,351.63	3/4	2,717.87	3/4	3,084.10	3/4	3,450.34
8	190.77	8	531.17	8	896.96	8	1,261.18	8	1,626.78	8	1,993.03	8	2,359.26	8	2,725.50	8	3,091.73	8	3,457.97
1/4	197.55	1/4	538.80	1/4	904.53	1/4	1,268.80	1/4	1,634.41	1/4	2,000.66	1/4	2,366.89	1/4	2,733.13	1/4	3,099.36	1/4	3,465.60
1/2	204.32	1/2	546.43	1/2	912.10	1/2	1,276.41	1/2	1,642.04	1/2	2,008.29	1/2	2,374.52	1/2	2,740.76	1/2	3,106.99	1/2	3,473.23
3/4	211.10	3/4	554.06	3/4	919.68	3/4	1,284.03	3/4	1,649.67	3/4	2,015.92	3/4	2,382.15	3/4	2,748.39	3/4	3,114.62	3/4	3,480.86
9	217.92	9	561.69	9	927.25	9	1,291.64	9	1,657.30	9	2,023.55	9	2,389.78	9	2,756.02	9	3,122.25	9	3,488.49
1/4	224.78	1/4	569.32	1/4	934.82	1/4	1,299.24	1/4	1,664.93	1/4	2,031.18	1/4	2,397.41	1/4	2,763.65	1/4	3,129.88	1/4	3,496.12
1/2	231.65	1/2	576.95	1/2	942.39	1/2	1,306.85	1/2	1,672.56	1/2	2,038.81	1/2	2,405.04	1/2	2,771.28	1/2	3,137.51	1/2	3,503.75
3/4	238.52	3/4	584.58	3/4	949.97	3/4	1,314.45	3/4	1,680.19	3/4	2,046.44	3/4	2,412.67	3/4	2,778.91	3/4	3,145.14	3/4	3,511.38
10	245.43	10	592.22	10	957.54	10	1,322.05	10	1,687.82	10	2,054.07	10	2,420.30	10	2,786.54	10	3,152.77	10	3,519.01
1/4	252.38	1/4	599.85	1/4	965.11	1/4	1,329.66	1/4	1,695.45	1/4	2,061.70	1/4	2,427.93	1/4	2,794.17	1/4	3,160.40	1/4	3,526.64
1/2	259.33	1/2	607.48	1/2	972.68	1/2	1,337.26	1/2	1,703.08	1/2	2,069.33	1/2	2,435.56	1/2	2,801.80	1/2	3,168.03	1/2	3,534.27
3/4	266.28	3/4	615.11	3/4	980.26	3/4	1,344.86	3/4	1,710.71	3/4	2,076.96	3/4	2,443.19	3/4	2,809.43	3/4	3,175.66	3/4	3,541.90
11	273.28	11	622.74	11	987.83	11	1,352.47	11	1,718.34	11	2,084.59	11	2,450.82	11	2,817.06	11	3,183.29	11	3,549.53
1/4	280.31	1/4	630.37	1/4	995.40	1/4	1,360.07	1/4	1,725.97	1/4	2,092.22	1/4	2,458.45	1/4	2,824.69	1/4	3,190.92	1/4	3,557.16
1/2	287.35	1/2	638.00	1/2	1,002.97	1/2	1,367.67	1/2	1,733.60	1/2	2,099.85	1/2	2,466.08	1/2	2,832.32	1/2	3,198.55	1/2	3,564.79
3/4	294.39	3/4	645.63	3/4	1,010.55	3/4	1,375.27	3/4	1,741.23	3/4	2,107.48	3/4	2,473.71	3/4	2,839.95	3/4	3,206.18	3/4	3,572.42

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 INNAGE GAUGES TAKEN AT 2" RESTRICTED GAUGE STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 51'-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 27713"

1 PORT INNAGE TABLE

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

GAUGE HEIGHT 16'-07 1/4"

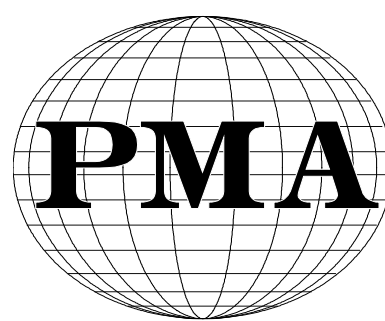
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,580.05	0	3,945.05	0	4,293.53	0	4,616.97	0		0		0		0		0		0	
1/4	3,587.68	1/4	3,952.52	1/4	4,300.50	1/4	4,623.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,595.31	1/2	3,959.98	1/2	4,307.46	1/2	4,629.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,602.94	3/4	3,967.45	3/4	4,314.43	3/4	4,636.48	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,610.57	1	3,974.90	1	4,321.36	1	4,642.96	1		1		1		1		1		1	
1/4	3,618.20	1/4	3,982.33	1/4	4,328.27	1/4	4,649.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,625.83	1/2	3,989.75	1/2	4,335.17	1/2	4,655.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,633.46	3/4	3,997.18	3/4	4,342.08	3/4	4,662.36	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,641.09	2	4,004.59	2	4,348.96	2	4,668.96	2		2		2		2		2		2	
1/4	3,648.72	1/4	4,011.99	1/4	4,355.83	1/4	4,675.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,656.35	1/2	4,019.38	1/2	4,362.70	1/2	4,682.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,663.98	3/4	4,026.77	3/4	4,369.57	3/4	4,689.11	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,671.61	3	4,034.14	3	4,376.42	3	4,696.10	3		3		3		3		3		3	
1/4	3,679.23	1/4	4,041.50	1/4	4,383.25	1/4	4,703.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,686.86	1/2	4,048.86	1/2	4,390.08	1/2	4,710.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,694.49	3/4	4,056.21	3/4	4,396.91	3/4	4,717.90	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,702.12	4	4,063.55	4	4,403.72	4	4,725.30	4		4		4		4		4		4	
1/4	3,709.75	1/4	4,070.88	1/4	4,410.52	1/4	4,732.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,717.38	1/2	4,078.20	1/2	4,417.31	1/2	4,740.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,725.01	3/4	4,085.52	3/4	4,424.10	3/4	4,747.94	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,732.64	5	4,092.83	5	4,430.88	5	4,755.45	5		5		5		5		5		5	
1/4	3,740.27	1/4	4,100.12	1/4	4,437.63	1/4	4,762.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,747.90	1/2	4,107.41	1/2	4,444.39	1/2	4,770.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,755.53	3/4	4,114.70	3/4	4,451.15	3/4	4,777.85	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,763.16	6	4,121.97	6	4,457.88	6	4,785.00	6		6		6		6		6		6	
1/4	3,770.79	1/4	4,129.22	1/4	4,464.61	1/4	4,791.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,778.42	1/2	4,136.47	1/2	4,471.33	1/2	4,798.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,786.05	3/4	4,143.72	3/4	4,478.05	3/4	4,805.49	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,793.68	7	4,150.96	7	4,484.75	7	4,808.90	7		7		7		7		7		7	
1/4	3,801.31	1/4	4,158.17	1/4	4,491.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,808.94	1/2	4,165.38	1/2	4,498.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,816.57	3/4	4,172.60	3/4	4,504.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,824.19	8	4,179.79	8	4,511.49	8		8		8		8		8		8		8	
1/4	3,831.80	1/4	4,186.97	1/4	4,518.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,839.41	1/2	4,194.15	1/2	4,524.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,847.02	3/4	4,201.32	3/4	4,531.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,854.61	9	4,208.48	9	4,538.08	9		9		9		9		9		9		9	
1/4	3,862.19	1/4	4,215.62	1/4	4,544.70	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,869.77	1/2	4,222.76	1/2	4,551.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,877.35	3/4	4,229.90	3/4	4,557.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,884.91	10	4,237.02	10	4,564.53	10		10		10		10		10		10		10	
1/4	3,892.45	1/4	4,244.12	1/4	4,571.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,899.99	1/2	4,251.22	1/2	4,577.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,907.53	3/4	4,258.33	3/4	4,584.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,915.05	11	4,265.40	11	4,590.82	11		11		11		11		11		11		11	
1/4	3,922.56	1/4	4,272.44	1/4	4,597.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,930.06	1/2	4,279.49	1/2	4,603.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,937.56	3/4	4,286.53	3/4	4,610.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/06/2003 CL - SW
VERIFIED: 01/10/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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



BARGE "KIRBY 27713"

1 STBD INNAGE TABLE

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

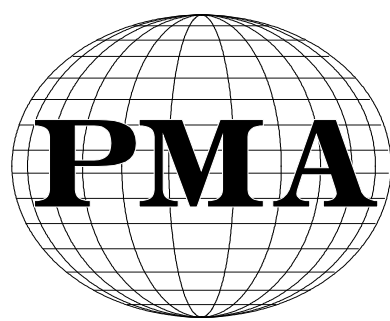
GAUGE HEIGHT 16'-08"

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	5.37	0	301.46	0	653.26	0	1,018.89	0	1,384.27	0	1,750.26	0	2,116.50	0	2,482.73	0	2,848.97	0	3,215.20
1/4	8.92	1/4	308.57	1/4	660.89	1/4	1,026.49	1/4	1,391.87	1/4	1,757.89	1/4	2,124.13	1/4	2,490.36	1/4	2,856.60	1/4	3,222.83
1/2	12.48	1/2	315.69	1/2	668.52	1/2	1,034.09	1/2	1,399.48	1/2	1,765.52	1/2	2,131.76	1/2	2,497.99	1/2	2,864.23	1/2	3,230.46
3/4	16.04	3/4	322.80	3/4	676.15	3/4	1,041.69	3/4	1,407.08	3/4	1,773.15	3/4	2,139.39	3/4	2,505.62	3/4	2,871.86	3/4	3,238.09
1	20.57	1	329.95	1	683.78	1	1,049.30	1	1,414.68	1	1,780.78	1	2,147.02	1	2,513.25	1	2,879.49	1	3,245.72
1/4	26.07	1/4	337.14	1/4	691.41	1/4	1,056.90	1/4	1,422.28	1/4	1,788.41	1/4	2,154.65	1/4	2,520.88	1/4	2,887.12	1/4	3,253.35
1/2	31.57	1/2	344.32	1/2	699.04	1/2	1,064.50	1/2	1,429.89	1/2	1,796.04	1/2	2,162.28	1/2	2,528.51	1/2	2,894.75	1/2	3,260.98
3/4	37.08	3/4	351.50	3/4	706.67	3/4	1,072.10	3/4	1,437.49	3/4	1,803.67	3/4	2,169.91	3/4	2,536.14	3/4	2,902.38	3/4	3,268.61
2	42.82	2	358.73	2	714.30	2	1,079.70	2	1,445.10	2	1,811.30	2	2,177.54	2	2,543.77	2	2,910.01	2	3,276.24
1/4	48.79	1/4	365.99	1/4	721.93	1/4	1,087.30	1/4	1,452.71	1/4	1,818.93	1/4	2,185.17	1/4	2,551.40	1/4	2,917.64	1/4	3,283.87
1/2	54.76	1/2	373.25	1/2	729.57	1/2	1,094.91	1/2	1,460.33	1/2	1,826.56	1/2	2,192.80	1/2	2,559.03	1/2	2,925.27	1/2	3,291.50
3/4	60.74	3/4	380.51	3/4	737.20	3/4	1,102.51	3/4	1,467.95	3/4	1,834.19	3/4	2,200.43	3/4	2,566.66	3/4	2,932.90	3/4	3,299.13
3	66.55	3	387.82	3	744.83	3	1,110.11	3	1,475.57	3	1,841.82	3	2,208.06	3	2,574.29	3	2,940.53	3	3,306.76
1/4	72.19	1/4	395.17	1/4	752.46	1/4	1,117.71	1/4	1,483.20	1/4	1,849.45	1/4	2,215.69	1/4	2,581.92	1/4	2,948.16	1/4	3,314.39
1/2	77.84	1/2	402.53	1/2	760.09	1/2	1,125.32	1/2	1,490.83	1/2	1,857.08	1/2	2,223.32	1/2	2,589.55	1/2	2,955.79	1/2	3,322.02
3/4	83.48	3/4	409.88	3/4	767.72	3/4	1,132.92	3/4	1,498.46	3/4	1,864.71	3/4	2,230.95	3/4	2,597.18	3/4	2,963.42	3/4	3,329.65
4	89.17	4	417.17	4	775.35	4	1,140.53	4	1,506.09	4	1,872.34	4	2,238.58	4	2,604.81	4	2,971.05	4	3,337.28
1/4	94.92	1/4	424.40	1/4	782.98	1/4	1,148.15	1/4	1,513.72	1/4	1,879.97	1/4	2,246.21	1/4	2,612.44	1/4	2,978.68	1/4	3,344.91
1/2	100.66	1/2	431.63	1/2	790.61	1/2	1,155.77	1/2	1,521.35	1/2	1,887.60	1/2	2,253.84	1/2	2,620.07	1/2	2,986.31	1/2	3,352.54
3/4	106.40	3/4	438.86	3/4	798.24	3/4	1,163.39	3/4	1,528.98	3/4	1,895.23	3/4	2,261.47	3/4	2,627.70	3/4	2,993.94	3/4	3,360.17
5	112.41	5	445.91	5	805.87	5	1,171.01	5	1,536.61	5	1,902.86	5	2,269.10	5	2,635.33	5	3,001.57	5	3,367.80
1/4	118.68	1/4	452.79	1/4	813.50	1/4	1,178.64	1/4	1,544.24	1/4	1,910.49	1/4	2,276.73	1/4	2,642.96	1/4	3,009.20	1/4	3,375.43
1/2	124.95	1/2	459.66	1/2	821.13	1/2	1,186.27	1/2	1,551.87	1/2	1,918.12	1/2	2,284.36	1/2	2,650.59	1/2	3,016.83	1/2	3,383.06
3/4	131.22	3/4	466.54	3/4	828.76	3/4	1,193.90	3/4	1,559.50	3/4	1,925.75	3/4	2,291.99	3/4	2,658.22	3/4	3,024.46	3/4	3,390.69
6	137.65	6	473.44	6	836.39	6	1,201.53	6	1,567.13	6	1,933.38	6	2,299.62	6	2,665.85	6	3,032.09	6	3,398.32
1/4	144.23	1/4	480.38	1/4	844.00	1/4	1,209.16	1/4	1,574.76	1/4	1,941.01	1/4	2,307.25	1/4	2,673.48	1/4	3,039.72	1/4	3,405.95
1/2	150.81	1/2	487.32	1/2	851.62	1/2	1,216.79	1/2	1,582.39	1/2	1,948.64	1/2	2,314.88	1/2	2,681.11	1/2	3,047.35	1/2	3,413.58
3/4	157.39	3/4	494.26	3/4	859.24	3/4	1,224.43	3/4	1,590.02	3/4	1,956.27	3/4	2,322.51	3/4	2,688.74	3/4	3,054.98	3/4	3,421.21
7	164.02	7	501.43	7	866.85	7	1,232.06	7	1,597.65	7	1,963.90	7	2,330.14	7	2,696.37	7	3,062.61	7	3,428.84
1/4	170.70	1/4	508.84	1/4	874.45	1/4	1,239.69	1/4	1,605.28	1/4	1,971.53	1/4	2,337.77	1/4	2,704.00	1/4	3,070.24	1/4	3,436.47
1/2	177.37	1/2	516.24	1/2	882.06	1/2	1,247.32	1/2	1,612.91	1/2	1,979.16	1/2	2,345.40	1/2	2,711.63	1/2	3,077.87	1/2	3,444.10
3/4	184.05	3/4	523.65	3/4	889.66	3/4	1,254.95	3/4	1,620.54	3/4	1,986.79	3/4	2,353.03	3/4	2,719.26	3/4	3,085.50	3/4	3,451.73
8	190.77	8	531.17	8	897.26	8	1,262.57	8	1,628.17	8	1,994.42	8	2,360.66	8	2,726.89	8	3,093.13	8	3,459.36
1/4	197.55	1/4	538.80	1/4	904.87	1/4	1,270.19	1/4	1,635.81	1/4	2,002.05	1/4	2,368.29	1/4	2,734.52	1/4	3,100.76	1/4	3,466.99
1/2	204.32	1/2	546.43	1/2	912.47	1/2	1,277.81	1/2	1,643.44	1/2	2,009.68	1/2	2,375.92	1/2	2,742.15	1/2	3,108.39	1/2	3,474.62
3/4	211.10	3/4	554.06	3/4	920.07	3/4	1,285.42	3/4	1,651.07	3/4	2,017.31	3/4	2,383.55	3/4	2,749.78	3/4	3,116.02	3/4	3,482.25
9	217.92	9	561.69	9	927.67	9	1,293.03	9	1,658.70	9	2,024.94	9	2,391.18	9	2,757.41	9	3,123.65	9	3,489.88
1/4	224.78	1/4	569.32	1/4	935.27	1/4	1,300.64	1/4	1,666.33	1/4	2,032.57	1/4	2,398.81	1/4	2,765.04	1/4	3,131.28	1/4	3,497.51
1/2	231.65	1/2	576.95	1/2	942.87	1/2	1,308.24	1/2	1,673.96	1/2	2,040.20	1/2	2,406.44	1/2	2,772.67	1/2	3,138.91	1/2	3,505.14
3/4	238.52	3/4	584.58	3/4	950.47	3/4	1,315.84	3/4	1,681.59	3/4	2,047.83	3/4	2,414.07	3/4	2,780.30	3/4	3,146.54	3/4	3,512.77
10	245.43	10	592.22	10	958.08	10	1,323.45	10	1,689.22	10	2,055.46	10	2,421.70	10	2,787.93	10	3,154.17	10	3,520.40
1/4	252.38	1/4	599.85	1/4	965.68	1/4	1,331.05	1/4	1,696.85	1/4	2,063.09	1/4	2,429.33	1/4	2,795.56	1/4	3,161.80	1/4	3,528.03
1/2	259.33	1/2	607.48	1/2	973.28	1/2	1,338.65	1/2	1,704.48	1/2	2,070.72	1/2	2,436.96	1/2	2,803.19	1/2	3,169.43	1/2	3,535.66
3/4	266.28	3/4	615.11	3/4	980.88	3/4	1,346.26	3/4	1,712.11	3/4	2,078.35	3/4	2,444.59	3/4	2,810.82	3/4	3,177.06	3/4	3,543.29
11	273.28	11	622.74	11	988.48	11	1,353.86	11	1,719.74	11	2,085.98	11	2,452.22	11	2,818.45	11	3,184.69	11	3,550.92
1/4	280.31	1/4	630.37	1/4	996.08	1/4	1,361.46	1/4	1,727.37	1/4	2,093.61	1/4	2,459.84	1/4	2,826.08	1/4	3,192.32	1/4	3,558.55
1/2	287.35	1/2	638.00	1/2	1,003.69	1/2	1,369.07	1/2	1,735.00	1/2	2,101.24	1/2	2,467.47	1/2	2,833.71	1/2	3,199.95	1/2	3,566.18
3/4	294.39	3/4	645.63	3/4	1,011.29	3/4	1,376.67	3/4	1,742.63	3/4	2,108.87	3/4	2,475.10	3/4	2,841.34	3/4	3,207.58	3/4	3,573.81

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 INNAGE GAUGES TAKEN AT 2" RESTRICTED GAUGE STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 51'-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 27713"

1 STBD INNAGE TABLE

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

GAUGE HEIGHT 16'-08"

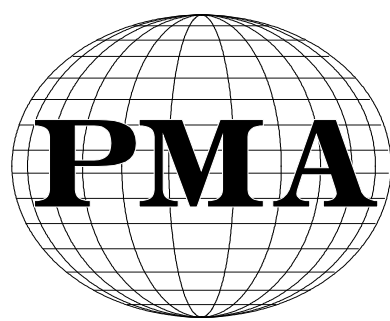
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,581.44	0	3,946.44	0	4,294.93	0	4,618.36	0		0		0		0		0		0	
1/4	3,589.07	1/4	3,953.91	1/4	4,301.89	1/4	4,624.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,596.70	1/2	3,961.38	1/2	4,308.86	1/2	4,631.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,604.33	3/4	3,968.84	3/4	4,315.82	3/4	4,637.87	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,611.96	1	3,976.29	1	4,322.75	1	4,644.36	1		1		1		1		1		1	
1/4	3,619.59	1/4	3,983.72	1/4	4,329.66	1/4	4,650.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,627.22	1/2	3,991.15	1/2	4,336.57	1/2	4,657.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,634.85	3/4	3,998.58	3/4	4,343.47	3/4	4,663.76	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,642.48	2	4,005.99	2	4,350.36	2	4,670.35	2		2		2		2		2		2	
1/4	3,650.11	1/4	4,013.38	1/4	4,357.23	1/4	4,677.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,657.74	1/2	4,020.77	1/2	4,364.09	1/2	4,683.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,665.37	3/4	4,028.16	3/4	4,370.96	3/4	4,690.50	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,673.00	3	4,035.54	3	4,377.81	3	4,697.49	3		3		3		3		3		3	
1/4	3,680.63	1/4	4,042.89	1/4	4,384.64	1/4	4,704.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.26	1/2	4,050.25	1/2	4,391.47	1/2	4,712.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.89	3/4	4,057.61	3/4	4,398.30	3/4	4,719.29	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,703.52	4	4,064.95	4	4,405.12	4	4,726.70	4		4		4		4		4		4	
1/4	3,711.15	1/4	4,072.27	1/4	4,411.91	1/4	4,734.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,718.78	1/2	4,079.59	1/2	4,418.70	1/2	4,741.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,726.41	3/4	4,086.92	3/4	4,425.50	3/4	4,749.33	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,734.04	5	4,094.23	5	4,432.27	5	4,756.84	5		5		5		5		5		5	
1/4	3,741.67	1/4	4,101.51	1/4	4,439.03	1/4	4,764.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,749.30	1/2	4,108.80	1/2	4,445.78	1/2	4,771.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,756.93	3/4	4,116.09	3/4	4,452.54	3/4	4,779.24	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,764.56	6	4,123.36	6	4,459.28	6	4,786.39	6		6		6		6		6		6	
1/4	3,772.19	1/4	4,130.61	1/4	4,466.00	1/4	4,793.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,779.82	1/2	4,137.86	1/2	4,472.72	1/2	4,800.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,787.45	3/4	4,145.12	3/4	4,479.44	3/4	4,806.88	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,795.07	7	4,152.35	7	4,486.15	7	4,810.30	7		7		7		7		7		7	
1/4	3,802.70	1/4	4,159.56	1/4	4,492.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,810.33	1/2	4,166.78	1/2	4,499.52	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,817.96	3/4	4,173.99	3/4	4,506.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,825.58	8	4,181.19	8	4,512.88	8		8		8		8		8		8		8	
1/4	3,833.19	1/4	4,188.36	1/4	4,519.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,840.80	1/2	4,195.54	1/2	4,526.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,848.41	3/4	4,202.72	3/4	4,532.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,856.01	9	4,209.88	9	4,539.48	9		9		9		9		9		9		9	
1/4	3,863.58	1/4	4,217.01	1/4	4,546.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,871.16	1/2	4,224.15	1/2	4,552.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,878.74	3/4	4,231.29	3/4	4,559.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,886.30	10	4,238.41	10	4,565.92	10		10		10		10		10		10		10	
1/4	3,893.84	1/4	4,245.52	1/4	4,572.50	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,901.38	1/2	4,252.62	1/2	4,579.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,908.92	3/4	4,259.72	3/4	4,585.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,916.45	11	4,266.79	11	4,592.22	11		11		11		11		11		11		11	
1/4	3,923.95	1/4	4,273.84	1/4	4,598.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,931.45	1/2	4,280.88	1/2	4,605.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,938.96	3/4	4,287.92	3/4	4,611.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/06/2003 CL - SW
VERIFIED: 01/10/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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



BARGE "KIRBY 27713"

2 PORT INNAGE TABLE

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

GAUGE HEIGHT 16'-07 1/4"

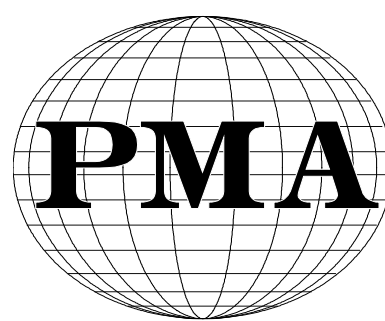
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,609.43	0	3,972.35	0	4,318.85	0	4,640.42	0		0		0		0		0		0	
1/4	3,617.01	1/4	3,979.77	1/4	4,325.77	1/4	4,646.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,624.60	1/2	3,987.19	1/2	4,332.69	1/2	4,653.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,632.19	3/4	3,994.61	3/4	4,339.60	3/4	4,659.80	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,639.77	1	4,002.03	1	4,346.52	1	4,666.26	1		1		1		1		1		1	
1/4	3,647.36	1/4	4,009.41	1/4	4,353.38	1/4	4,672.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,654.94	1/2	4,016.80	1/2	4,360.24	1/2	4,679.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,662.53	3/4	4,024.18	3/4	4,367.10	3/4	4,685.64	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,670.12	2	4,031.56	2	4,373.96	2	4,692.10	2		2		2		2		2		2	
1/4	3,677.70	1/4	4,038.90	1/4	4,380.79	1/4	4,698.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,685.29	1/2	4,046.25	1/2	4,387.61	1/2	4,705.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,692.88	3/4	4,053.60	3/4	4,394.43	3/4	4,712.34	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,700.46	3	4,060.94	3	4,401.26	3	4,719.09	3		3		3		3		3		3	
1/4	3,708.05	1/4	4,068.25	1/4	4,408.04	1/4	4,726.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,715.64	1/2	4,075.56	1/2	4,414.83	1/2	4,733.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,723.22	3/4	4,082.87	3/4	4,421.62	3/4	4,740.87	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,730.81	4	4,090.18	4	4,428.41	4	4,748.13	4		4		4		4		4		4	
1/4	3,738.39	1/4	4,097.46	1/4	4,435.15	1/4	4,755.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.98	1/2	4,104.74	1/2	4,441.90	1/2	4,763.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,753.57	3/4	4,112.02	3/4	4,448.65	3/4	4,770.60	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,761.15	5	4,119.29	5	4,455.40	5	4,778.10	5		5		5		5		5		5	
1/4	3,768.74	1/4	4,126.54	1/4	4,462.12	1/4	4,785.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,776.33	1/2	4,133.78	1/2	4,468.83	1/2	4,792.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,783.91	3/4	4,141.02	3/4	4,475.54	3/4	4,800.13	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,791.50	6	4,148.27	6	4,482.25	6	4,807.47	6		6		6		6		6		6	
1/4	3,799.09	1/4	4,155.47	1/4	4,488.93	1/4	4,814.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,806.68	1/2	4,162.68	1/2	4,495.61	1/2	4,821.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,814.27	3/4	4,169.88	3/4	4,502.29	3/4	4,827.84	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,821.86	7	4,177.09	7	4,508.97	7	4,831.24	7		7		7		7		7		7	
1/4	3,829.44	1/4	4,184.26	1/4	4,515.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,837.02	1/2	4,191.42	1/2	4,522.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,844.60	3/4	4,198.59	3/4	4,528.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,852.18	8	4,205.76	8	4,535.55	8		8		8		8		8		8		8	
1/4	3,859.74	1/4	4,212.89	1/4	4,542.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,867.31	1/2	4,220.02	1/2	4,548.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,874.87	3/4	4,227.15	3/4	4,555.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,882.43	9	4,234.29	9	4,561.99	9		9		9		9		9		9		9	
1/4	3,889.96	1/4	4,241.38	1/4	4,568.56	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,897.49	1/2	4,248.47	1/2	4,575.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,905.02	3/4	4,255.57	3/4	4,581.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,912.55	10	4,262.66	10	4,588.28	10		10		10		10		10		10		10	
1/4	3,920.05	1/4	4,269.72	1/4	4,594.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,927.54	1/2	4,276.77	1/2	4,601.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,935.04	3/4	4,283.83	3/4	4,607.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,942.53	11	4,290.88	11	4,614.42	11		11		11		11		11		11		11	
1/4	3,949.99	1/4	4,297.87	1/4	4,620.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,957.44	1/2	4,304.87	1/2	4,627.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,964.90	3/4	4,311.86	3/4	4,633.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/06/2003 CL - SW
VERIFIED: 01/10/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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



BARGE "KIRBY 27713"

2 STBD INNAGE TABLE

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

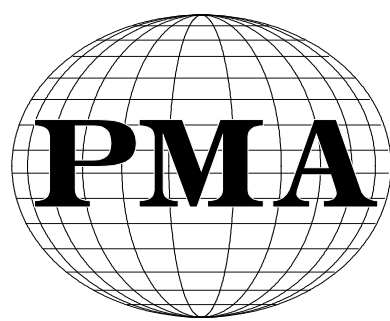
GAUGE HEIGHT 16'-07 1/4"

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	13.26	0	356.42	0	713.07	0	1,076.63	0	1,438.68	0	1,800.57	0	2,164.73	0	2,528.88	0	2,893.02	0	3,257.17
1/4	18.32	1/4	364.00	1/4	720.66	1/4	1,084.18	1/4	1,446.11	1/4	1,808.16	1/4	2,172.32	1/4	2,536.46	1/4	2,900.61	1/4	3,264.76
1/2	23.37	1/2	371.58	1/2	728.24	1/2	1,091.74	1/2	1,453.53	1/2	1,815.75	1/2	2,179.90	1/2	2,544.05	1/2	2,908.20	1/2	3,272.34
3/4	28.43	3/4	379.16	3/4	735.83	3/4	1,099.30	3/4	1,460.96	3/4	1,823.33	3/4	2,187.49	3/4	2,551.64	3/4	2,915.78	3/4	3,279.93
1	33.48	1	386.73	1	743.42	1	1,106.86	1	1,468.38	1	1,830.92	1	2,195.07	1	2,559.22	1	2,923.37	1	3,287.52
1/4	40.39	1/4	394.30	1/4	751.00	1/4	1,114.42	1/4	1,475.81	1/4	1,838.51	1/4	2,202.66	1/4	2,566.81	1/4	2,930.96	1/4	3,295.10
1/2	47.29	1/2	401.86	1/2	758.59	1/2	1,121.97	1/2	1,483.23	1/2	1,846.09	1/2	2,210.25	1/2	2,574.39	1/2	2,938.54	1/2	3,302.69
3/4	54.19	3/4	409.43	3/4	766.18	3/4	1,129.53	3/4	1,490.65	3/4	1,853.68	3/4	2,217.83	3/4	2,581.98	3/4	2,946.13	3/4	3,310.28
2	61.10	2	416.99	2	773.77	2	1,137.09	2	1,498.08	2	1,861.27	2	2,225.42	2	2,589.57	2	2,953.71	2	3,317.86
1/4	68.38	1/4	424.55	1/4	781.35	1/4	1,144.65	1/4	1,505.50	1/4	1,868.85	1/4	2,233.01	1/4	2,597.15	1/4	2,961.30	1/4	3,325.45
1/2	75.67	1/2	432.11	1/2	788.94	1/2	1,152.21	1/2	1,512.93	1/2	1,876.44	1/2	2,240.59	1/2	2,604.74	1/2	2,968.89	1/2	3,333.03
3/4	82.96	3/4	439.66	3/4	796.53	3/4	1,159.77	3/4	1,520.35	3/4	1,884.03	3/4	2,248.18	3/4	2,612.33	3/4	2,976.47	3/4	3,340.62
3	90.25	3	447.22	3	804.11	3	1,167.32	3	1,527.78	3	1,891.61	3	2,255.77	3	2,619.91	3	2,984.06	3	3,348.21
1/4	97.12	1/4	454.79	1/4	811.70	1/4	1,174.88	1/4	1,535.28	1/4	1,899.20	1/4	2,263.35	1/4	2,627.50	1/4	2,991.65	1/4	3,355.79
1/2	103.99	1/2	462.35	1/2	819.29	1/2	1,182.44	1/2	1,542.79	1/2	1,906.79	1/2	2,270.94	1/2	2,635.09	1/2	2,999.23	1/2	3,363.38
3/4	110.86	3/4	469.92	3/4	826.87	3/4	1,190.00	3/4	1,550.29	3/4	1,914.37	3/4	2,278.52	3/4	2,642.67	3/4	3,006.82	3/4	3,370.97
4	117.73	4	477.48	4	834.46	4	1,197.56	4	1,557.80	4	1,921.96	4	2,286.11	4	2,650.26	4	3,014.41	4	3,378.55
1/4	124.62	1/4	484.84	1/4	842.05	1/4	1,205.14	1/4	1,565.39	1/4	1,929.55	1/4	2,293.70	1/4	2,657.84	1/4	3,021.99	1/4	3,386.14
1/2	131.50	1/2	492.19	1/2	849.64	1/2	1,212.71	1/2	1,572.97	1/2	1,937.13	1/2	2,301.28	1/2	2,665.43	1/2	3,029.58	1/2	3,393.73
3/4	138.39	3/4	499.55	3/4	857.22	3/4	1,220.29	3/4	1,580.56	3/4	1,944.72	3/4	2,308.87	3/4	2,673.02	3/4	3,037.16	3/4	3,401.31
5	145.27	5	506.90	5	864.81	5	1,227.86	5	1,588.15	5	1,952.31	5	2,316.46	5	2,680.60	5	3,044.75	5	3,408.90
1/4	152.60	1/4	513.82	1/4	872.40	1/4	1,235.45	1/4	1,595.73	1/4	1,959.89	1/4	2,324.04	1/4	2,688.19	1/4	3,052.34	1/4	3,416.48
1/2	159.93	1/2	520.73	1/2	879.98	1/2	1,243.04	1/2	1,603.32	1/2	1,967.48	1/2	2,331.63	1/2	2,695.78	1/2	3,059.92	1/2	3,424.07
3/4	167.26	3/4	527.65	3/4	887.57	3/4	1,250.62	3/4	1,610.91	3/4	1,975.07	3/4	2,339.22	3/4	2,703.36	3/4	3,067.51	3/4	3,431.66
6	174.59	6	534.56	6	895.16	6	1,258.21	6	1,618.49	6	1,982.65	6	2,346.80	6	2,710.95	6	3,075.10	6	3,439.24
1/4	182.15	1/4	541.48	1/4	902.73	1/4	1,265.80	1/4	1,626.08	1/4	1,990.24	1/4	2,354.39	1/4	2,718.54	1/4	3,082.68	1/4	3,446.83
1/2	189.70	1/2	548.39	1/2	910.31	1/2	1,273.39	1/2	1,633.67	1/2	1,997.83	1/2	2,361.98	1/2	2,726.12	1/2	3,090.27	1/2	3,454.42
3/4	197.26	3/4	555.31	3/4	917.88	3/4	1,280.97	3/4	1,641.25	3/4	2,005.41	3/4	2,369.56	3/4	2,733.71	3/4	3,097.86	3/4	3,462.00
7	204.81	7	562.22	7	925.46	7	1,288.56	7	1,648.84	7	2,013.00	7	2,377.15	7	2,741.30	7	3,105.44	7	3,469.59
1/4	212.37	1/4	569.58	1/4	933.02	1/4	1,296.15	1/4	1,656.43	1/4	2,020.59	1/4	2,384.73	1/4	2,748.88	1/4	3,113.03	1/4	3,477.18
1/2	219.94	1/2	576.95	1/2	940.58	1/2	1,303.73	1/2	1,664.01	1/2	2,028.17	1/2	2,392.32	1/2	2,756.47	1/2	3,120.62	1/2	3,484.76
3/4	227.50	3/4	584.31	3/4	948.14	3/4	1,311.32	3/4	1,671.60	3/4	2,035.76	3/4	2,399.91	3/4	2,764.05	3/4	3,128.20	3/4	3,492.35
8	235.07	8	591.67	8	955.70	8	1,318.91	8	1,679.19	8	2,043.35	8	2,407.49	8	2,771.64	8	3,135.79	8	3,499.94
1/4	242.65	1/4	599.26	1/4	963.25	1/4	1,326.50	1/4	1,686.77	1/4	2,050.93	1/4	2,415.08	1/4	2,779.23	1/4	3,143.37	1/4	3,507.52
1/2	250.23	1/2	606.85	1/2	970.81	1/2	1,334.08	1/2	1,694.36	1/2	2,058.52	1/2	2,422.67	1/2	2,786.81	1/2	3,150.96	1/2	3,515.11
3/4	257.80	3/4	614.44	3/4	978.37	3/4	1,341.67	3/4	1,701.95	3/4	2,066.11	3/4	2,430.25	3/4	2,794.40	3/4	3,158.55	3/4	3,522.69
9	265.38	9	622.02	9	985.93	9	1,349.26	9	1,709.53	9	2,073.69	9	2,437.84	9	2,801.99	9	3,166.13	9	3,530.28
1/4	272.97	1/4	629.61	1/4	993.49	1/4	1,356.77	1/4	1,717.12	1/4	2,081.28	1/4	2,445.43	1/4	2,809.57	1/4	3,173.72	1/4	3,537.87
1/2	280.56	1/2	637.20	1/2	1,001.05	1/2	1,364.27	1/2	1,724.71	1/2	2,088.86	1/2	2,453.01	1/2	2,817.16	1/2	3,181.31	1/2	3,545.45
3/4	288.14	3/4	644.79	3/4	1,008.60	3/4	1,371.78	3/4	1,732.29	3/4	2,096.45	3/4	2,460.60	3/4	2,824.75	3/4	3,188.89	3/4	3,553.04
10	295.73	10	652.37	10	1,016.16	10	1,379.28	10	1,739.88	10	2,104.04	10	2,468.18	10	2,832.33	10	3,196.48	10	3,560.63
1/4	303.31	1/4	659.96	1/4	1,023.72	1/4	1,386.71	1/4	1,747.47	1/4	2,111.62	1/4	2,475.77	1/4	2,839.92	1/4	3,204.07	1/4	3,568.21
1/2	310.90	1/2	667.55	1/2	1,031.28	1/2	1,394.13	1/2	1,755.05	1/2	2,119.21	1/2	2,483.36	1/2	2,847.50	1/2	3,211.65	1/2	3,575.80
3/4	318.49	3/4	675.13	3/4	1,038.84	3/4	1,401.56	3/4	1,762.64	3/4	2,126.80	3/4	2,490.94	3/4	2,855.09	3/4	3,219.24	3/4	3,583.39
11	326.07	11	682.72	11	1,046.39	11	1,408.98	11	1,770.23	11	2,134.38	11	2,498.53	11	2,862.68	11	3,226.82	11	3,590.97
1/4	333.66	1/4	690.31	1/4	1,053.95	1/4	1,416.41	1/4	1,777.81	1/4	2,141.97	1/4	2,506.12	1/4	2,870.26	1/4	3,234.41	1/4	3,598.56
1/2	341.25	1/2	697.90	1/2	1,061.51	1/2	1,423.83	1/2	1,785.40	1/2	2,149.56	1/2	2,513.70	1/2	2,877.85	1/2	3,242.00	1/2	3,606.14
3/4	348.83	3/4	705.48	3/4	1,069.07	3/4	1,431.26	3/4	1,792.99	3/4	2,157.14	3/4	2,521.29	3/4	2,885.44	3/4	3,249.58	3/4	3,613.73

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 INNAGE GAUGES TAKEN AT 2" RESTRICTED GAUGE STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 50'-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 27713"

2 STBD INNAGE TABLE

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

GAUGE HEIGHT 16'-07 1/4"

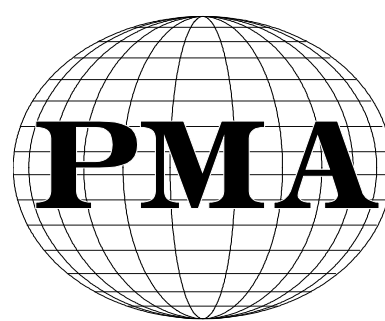
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,621.32	0	3,984.33	0	4,331.08	0	4,652.87	0		0		0		0		0		0	
1/4	3,628.90	1/4	3,991.75	1/4	4,338.00	1/4	4,659.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,636.49	1/2	3,999.18	1/2	4,344.92	1/2	4,665.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,644.08	3/4	4,006.60	3/4	4,351.85	3/4	4,672.27	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,651.66	1	4,014.02	1	4,358.77	1	4,678.73	1		1		1		1		1		1	
1/4	3,659.25	1/4	4,021.41	1/4	4,365.64	1/4	4,685.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,666.84	1/2	4,028.80	1/2	4,372.50	1/2	4,691.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,674.42	3/4	4,036.18	3/4	4,379.37	3/4	4,698.02	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,682.01	2	4,043.57	2	4,386.23	2	4,704.45	2		2		2		2		2		2	
1/4	3,689.60	1/4	4,050.92	1/4	4,393.06	1/4	4,711.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.18	1/2	4,058.27	1/2	4,399.89	1/2	4,717.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,704.77	3/4	4,065.62	3/4	4,406.72	3/4	4,724.49	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,712.35	3	4,072.97	3	4,413.55	3	4,731.16	3		3		3		3		3		3	
1/4	3,719.94	1/4	4,080.28	1/4	4,420.34	1/4	4,738.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,727.53	1/2	4,087.60	1/2	4,427.13	1/2	4,745.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,735.11	3/4	4,094.91	3/4	4,433.92	3/4	4,752.84	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,742.70	4	4,102.23	4	4,440.71	4	4,760.06	4		4		4		4		4		4	
1/4	3,750.29	1/4	4,109.51	1/4	4,447.47	1/4	4,767.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,757.87	1/2	4,116.79	1/2	4,454.22	1/2	4,775.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,765.46	3/4	4,124.07	3/4	4,460.98	3/4	4,782.57	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,773.05	5	4,131.36	5	4,467.73	5	4,790.07	5		5		5		5		5		5	
1/4	3,780.63	1/4	4,138.60	1/4	4,474.45	1/4	4,797.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,788.22	1/2	4,145.85	1/2	4,481.16	1/2	4,804.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,795.80	3/4	4,153.10	3/4	4,487.88	3/4	4,812.34	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,803.39	6	4,160.35	6	4,494.60	6	4,819.76	6		6		6		6		6		6	
1/4	3,810.98	1/4	4,167.56	1/4	4,501.28	1/4	4,826.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,818.56	1/2	4,174.77	1/2	4,507.96	1/2	4,833.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,826.15	3/4	4,181.98	3/4	4,514.64	3/4	4,840.13	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,833.74	7	4,189.19	7	4,521.33	7	4,846.92	7		7		7		7		7		7	
1/4	3,841.32	1/4	4,196.36	1/4	4,527.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,848.91	1/2	4,203.53	1/2	4,534.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,856.50	3/4	4,210.71	3/4	4,541.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,864.08	8	4,217.88	8	4,547.93	8		8		8		8		8		8		8	
1/4	3,871.65	1/4	4,225.01	1/4	4,554.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,879.22	1/2	4,232.15	1/2	4,561.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,886.78	3/4	4,239.29	3/4	4,567.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,894.35	9	4,246.42	9	4,574.38	9		9		9		9		9		9		9	
1/4	3,901.88	1/4	4,253.52	1/4	4,580.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,909.42	1/2	4,260.62	1/2	4,587.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,916.96	3/4	4,267.72	3/4	4,594.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,924.49	10	4,274.82	10	4,600.69	10		10		10		10		10		10		10	
1/4	3,931.99	1/4	4,281.88	1/4	4,607.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,939.49	1/2	4,288.94	1/2	4,613.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,946.99	3/4	4,296.00	3/4	4,620.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,954.48	11	4,303.06	11	4,626.86	11		11		11		11		11		11		11	
1/4	3,961.94	1/4	4,310.07	1/4	4,633.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,969.41	1/2	4,317.07	1/2	4,639.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,976.87	3/4	4,324.07	3/4	4,646.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/06/2003 CL - SW
VERIFIED: 01/10/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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



BARGE "KIRBY 27713"

3 PORT INNAGE TABLE

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

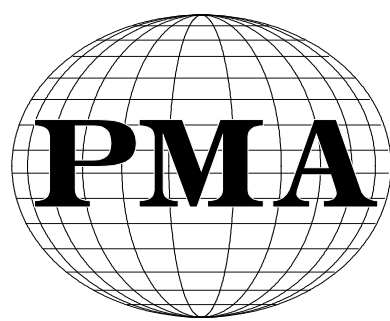
GAUGE HEIGHT 16'-05 1/4"

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	47.18	0	325.23	0	678.40	0	1,030.93	0	1,387.77	0	1,749.53	0	2,112.83	0	2,476.13	0	2,839.42	0	3,202.76
1/4	48.12	1/4	332.77	1/4	685.76	1/4	1,038.27	1/4	1,395.16	1/4	1,757.10	1/4	2,120.40	1/4	2,483.69	1/4	2,846.99	1/4	3,210.35
1/2	49.07	1/2	340.32	1/2	693.13	1/2	1,045.60	1/2	1,402.56	1/2	1,764.67	1/2	2,127.97	1/2	2,491.26	1/2	2,854.56	1/2	3,217.94
3/4	50.02	3/4	347.86	3/4	700.49	3/4	1,052.93	3/4	1,409.95	3/4	1,772.24	3/4	2,135.54	3/4	2,498.83	3/4	2,862.12	3/4	3,225.53
1	50.96	1	355.40	1	707.85	1	1,060.26	1	1,417.35	1	1,779.81	1	2,143.11	1	2,506.40	1	2,869.69	1	3,233.12
1/4	52.76	1/4	362.95	1/4	715.21	1/4	1,067.59	1/4	1,424.81	1/4	1,787.38	1/4	2,150.68	1/4	2,513.97	1/4	2,877.26	1/4	3,240.71
1/2	54.56	1/2	370.50	1/2	722.58	1/2	1,074.93	1/2	1,432.28	1/2	1,794.95	1/2	2,158.24	1/2	2,521.54	1/2	2,884.83	1/2	3,248.30
3/4	56.35	3/4	378.06	3/4	729.94	3/4	1,082.26	3/4	1,439.74	3/4	1,802.52	3/4	2,165.81	3/4	2,529.11	3/4	2,892.40	3/4	3,255.89
2	58.15	2	385.61	2	737.30	2	1,089.59	2	1,447.21	2	1,810.08	2	2,173.38	2	2,536.67	2	2,899.97	2	3,263.49
1/4	61.22	1/4	392.95	1/4	744.67	1/4	1,096.93	1/4	1,454.75	1/4	1,817.65	1/4	2,180.95	1/4	2,544.24	1/4	2,907.54	1/4	3,271.08
1/2	64.30	1/2	400.29	1/2	752.03	1/2	1,104.27	1/2	1,462.30	1/2	1,825.22	1/2	2,188.52	1/2	2,551.81	1/2	2,915.10	1/2	3,278.67
3/4	67.37	3/4	407.63	3/4	759.39	3/4	1,111.61	3/4	1,469.84	3/4	1,832.79	3/4	2,196.09	3/4	2,559.38	3/4	2,922.67	3/4	3,286.26
3	70.45	3	414.97	3	766.75	3	1,118.95	3	1,477.39	3	1,840.36	3	2,203.66	3	2,566.95	3	2,930.24	3	3,293.85
1/4	75.24	1/4	421.88	1/4	774.12	1/4	1,126.40	1/4	1,484.93	1/4	1,847.93	1/4	2,211.22	1/4	2,574.52	1/4	2,937.81	1/4	3,301.44
1/2	80.02	1/2	428.78	1/2	781.48	1/2	1,133.85	1/2	1,492.48	1/2	1,855.50	1/2	2,218.79	1/2	2,582.09	1/2	2,945.38	1/2	3,309.03
3/4	84.81	3/4	435.68	3/4	788.84	3/4	1,141.30	3/4	1,500.02	3/4	1,863.07	3/4	2,226.36	3/4	2,589.65	3/4	2,952.95	3/4	3,316.62
4	89.59	4	442.58	4	796.20	4	1,148.74	4	1,507.57	4	1,870.64	4	2,233.93	4	2,597.22	4	2,960.52	4	3,324.21
1/4	95.87	1/4	449.48	1/4	803.56	1/4	1,156.30	1/4	1,515.11	1/4	1,878.20	1/4	2,241.50	1/4	2,604.79	1/4	2,968.08	1/4	3,331.80
1/2	102.14	1/2	456.38	1/2	810.91	1/2	1,163.85	1/2	1,522.66	1/2	1,885.77	1/2	2,249.07	1/2	2,612.36	1/2	2,975.65	1/2	3,339.40
3/4	108.42	3/4	463.28	3/4	818.26	3/4	1,171.41	3/4	1,530.20	3/4	1,893.34	3/4	2,256.64	3/4	2,619.93	3/4	2,983.22	3/4	3,346.99
5	114.70	5	470.18	5	825.61	5	1,178.96	5	1,537.75	5	1,900.91	5	2,264.21	5	2,627.50	5	2,990.79	5	3,354.58
1/4	121.93	1/4	477.53	1/4	832.94	1/4	1,186.51	1/4	1,545.29	1/4	1,908.48	1/4	2,271.77	1/4	2,635.07	1/4	2,998.36	1/4	3,360.41
1/2	129.16	1/2	484.88	1/2	840.28	1/2	1,194.07	1/2	1,552.84	1/2	1,916.05	1/2	2,279.34	1/2	2,642.64	1/2	3,005.93	1/2	3,366.24
3/4	136.40	3/4	492.23	3/4	847.62	3/4	1,201.62	3/4	1,560.39	3/4	1,923.62	3/4	2,286.91	3/4	2,650.20	3/4	3,013.50	3/4	3,372.07
6	143.63	6	499.58	6	854.95	6	1,209.17	6	1,567.93	6	1,931.19	6	2,294.48	6	2,657.77	6	3,021.07	6	3,377.90
1/4	151.20	1/4	507.16	1/4	862.29	1/4	1,216.73	1/4	1,575.49	1/4	1,938.76	1/4	2,302.05	1/4	2,665.34	1/4	3,028.63	1/4	3,381.97
1/2	158.76	1/2	514.73	1/2	869.62	1/2	1,224.28	1/2	1,583.04	1/2	1,946.32	1/2	2,309.62	1/2	2,672.91	1/2	3,036.20	1/2	3,386.04
3/4	166.33	3/4	522.30	3/4	876.95	3/4	1,231.83	3/4	1,590.60	3/4	1,953.89	3/4	2,317.19	3/4	2,680.48	3/4	3,043.77	3/4	3,390.12
7	173.89	7	529.88	7	884.29	7	1,239.39	7	1,598.16	7	1,961.46	7	2,324.75	7	2,688.05	7	3,051.34	7	3,394.19
1/4	181.47	1/4	537.45	1/4	891.62	1/4	1,246.86	1/4	1,605.73	1/4	1,969.03	1/4	2,332.32	1/4	2,695.62	1/4	3,058.91	1/4	3,398.26
1/2	189.04	1/2	545.03	1/2	898.96	1/2	1,254.33	1/2	1,613.30	1/2	1,976.60	1/2	2,339.89	1/2	2,703.18	1/2	3,066.48	1/2	3,402.33
3/4	196.61	3/4	552.60	3/4	906.29	3/4	1,261.80	3/4	1,620.86	3/4	1,984.17	3/4	2,347.46	3/4	2,710.75	3/4	3,074.05	3/4	3,406.40
8	204.18	8	560.17	8	913.62	8	1,269.28	8	1,628.43	8	1,991.74	8	2,355.03	8	2,718.32	8	3,081.61	8	3,410.47
1/4	211.76	1/4	567.64	1/4	920.96	1/4	1,276.68	1/4	1,636.00	1/4	1,999.30	1/4	2,362.60	1/4	2,725.89	1/4	3,089.18	1/4	3,414.54
1/2	219.33	1/2	575.11	1/2	928.29	1/2	1,284.08	1/2	1,643.57	1/2	2,006.87	1/2	2,370.17	1/2	2,733.46	1/2	3,096.75	1/2	3,418.61
3/4	226.90	3/4	582.58	3/4	935.62	3/4	1,291.48	3/4	1,651.14	3/4	2,014.44	3/4	2,377.73	3/4	2,741.03	3/4	3,104.32	3/4	3,422.69
9	234.47	9	590.05	9	942.95	9	1,298.87	9	1,658.71	9	2,022.01	9	2,385.30	9	2,748.60	9	3,111.89	9	3,426.76
1/4	242.05	1/4	597.41	1/4	950.29	1/4	1,306.28	1/4	1,666.28	1/4	2,029.58	1/4	2,392.87	1/4	2,756.16	1/4	3,119.46	1/4	3,430.83
1/2	249.62	1/2	604.77	1/2	957.62	1/2	1,313.69	1/2	1,673.85	1/2	2,037.15	1/2	2,400.44	1/2	2,763.73	1/2	3,127.03	1/2	3,434.90
3/4	257.19	3/4	612.13	3/4	964.95	3/4	1,321.10	3/4	1,681.42	3/4	2,044.72	3/4	2,408.01	3/4	2,771.30	3/4	3,134.59	3/4	3,438.97
10	264.76	10	619.50	10	972.28	10	1,328.51	10	1,688.98	10	2,052.28	10	2,415.58	10	2,778.87	10	3,142.16	10	3,443.04
1/4	272.33	1/4	626.86	1/4	979.61	1/4	1,335.91	1/4	1,696.55	1/4	2,059.85	1/4	2,423.15	1/4	2,786.44	1/4	3,149.73	1/4	3,447.11
1/2	279.89	1/2	634.22	1/2	986.94	1/2	1,343.32	1/2	1,704.12	1/2	2,067.42	1/2	2,430.71	1/2	2,794.01	1/2	3,157.30	1/2	3,451.18
3/4	287.46	3/4	641.59	3/4	994.28	3/4	1,350.73	3/4	1,711.69	3/4	2,074.99	3/4	2,438.28	3/4	2,801.58	3/4	3,164.87	3/4	3,455.25
11	295.02	11	648.95	11	1,001.61	11	1,358.14	11	1,719.26	11	2,082.56	11	2,445.85	11	2,809.14	11	3,172.44	11	3,459.33
1/4	302.58	1/4	656.31	1/4	1,008.94	1/4	1,365.54	1/4	1,726.83	1/4	2,090.13	1/4	2,453.42	1/4	2,816.71	1/4	3,180.02	1/4	3,463.40
1/2	310.13	1/2	663.67	1/2	1,016.27	1/2	1,372.95	1/2	1,734.40	1/2	2,097.70	1/2	2,460.99	1/2	2,824.28	1/2	3,187.60	1/2	3,467.47
3/4	317.68	3/4	671.04	3/4	1,023.60	3/4	1,380.36	3/4	1,741.97	3/4	2,105.26	3/4	2,468.56	3/4	2,831.85	3/4	3,195.18	3/4	3,471.54

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 INNAGE GAUGES TAKEN AT 2" RESTRICTED GAUGE STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 50'-10" 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 27713"

3 PORT INNAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

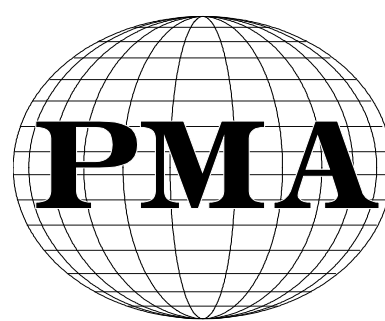
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,475.61	0	3,669.63	0	3,853.19	0	4,022.06	0		0		0		0		0		0	
1/4	3,479.68	1/4	3,673.58	1/4	3,856.82	1/4	4,025.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,483.75	1/2	3,677.52	1/2	3,860.44	1/2	4,029.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,487.82	3/4	3,681.46	3/4	3,864.07	3/4	4,032.69	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,491.90	1	3,685.41	1	3,867.69	1	4,036.24	1		1		1		1		1		1	
1/4	3,495.97	1/4	3,689.33	1/4	3,871.30	1/4	4,040.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,500.04	1/2	3,693.26	1/2	3,874.90	1/2	4,043.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,504.11	3/4	3,697.18	3/4	3,878.51	3/4	4,047.75	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,508.18	2	3,701.11	2	3,882.11	2	4,051.59	2		2		2		2		2		2	
1/4	3,512.25	1/4	3,705.02	1/4	3,885.70	1/4	4,055.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,516.32	1/2	3,708.92	1/2	3,889.28	1/2	4,059.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,520.39	3/4	3,712.83	3/4	3,892.87	3/4	4,063.54	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,524.47	3	3,716.74	3	3,896.45	3	4,067.53	3		3		3		3		3		3	
1/4	3,528.54	1/4	3,720.63	1/4	3,900.02	1/4	4,071.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,532.61	1/2	3,724.52	1/2	3,903.58	1/2	4,075.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,536.68	3/4	3,728.41	3/4	3,907.15	3/4	4,079.25	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,540.75	4	3,732.30	4	3,910.71	4	4,083.16	4		4		4		4		4		4	
1/4	3,544.82	1/4	3,736.16	1/4	3,914.26	1/4	4,086.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,548.89	1/2	3,740.03	1/2	3,917.81	1/2	4,089.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,552.96	3/4	3,743.90	3/4	3,921.35	3/4	4,092.99	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,557.03	5	3,747.77	5	3,924.90	5	4,096.26	5		5		5		5		5		5	
1/4	3,561.10	1/4	3,751.62	1/4	3,928.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,565.17	1/2	3,755.47	1/2	3,931.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,569.24	3/4	3,759.32	3/4	3,935.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,573.31	6	3,763.17	6	3,939.01	6		6		6		6		6		6		6	
1/4	3,577.37	1/4	3,767.00	1/4	3,942.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,581.43	1/2	3,770.83	1/2	3,946.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,585.49	3/4	3,774.66	3/4	3,949.54	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,589.55	7	3,778.48	7	3,953.05	7		7		7		7		7		7		7	
1/4	3,593.60	1/4	3,782.29	1/4	3,956.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,597.64	1/2	3,786.10	1/2	3,960.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,601.69	3/4	3,789.91	3/4	3,963.52	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,605.73	8	3,793.72	8	3,967.01	8		8		8		8		8		8		8	
1/4	3,609.75	1/4	3,797.51	1/4	3,970.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,613.78	1/2	3,801.30	1/2	3,973.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,617.80	3/4	3,805.09	3/4	3,977.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,621.82	9	3,808.88	9	3,980.89	9		9		9		9		9		9		9	
1/4	3,625.83	1/4	3,812.63	1/4	3,984.34	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,629.83	1/2	3,816.37	1/2	3,987.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,633.84	3/4	3,820.12	3/4	3,991.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,637.84	10	3,823.87	10	3,994.70	10		10		10		10		10		10		10	
1/4	3,641.82	1/4	3,827.56	1/4	3,998.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,645.81	1/2	3,831.24	1/2	4,001.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,649.79	3/4	3,834.93	3/4	4,004.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,653.78	11	3,838.61	11	4,008.42	11		11		11		11		11		11		11	
1/4	3,657.74	1/4	3,842.26	1/4	4,011.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,661.70	1/2	3,845.90	1/2	4,015.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,665.67	3/4	3,849.55	3/4	4,018.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/06/2003 CL - SW
VERIFIED: 01/10/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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



BARGE "KIRBY 27713"

3 STBD INNAGE TABLE

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

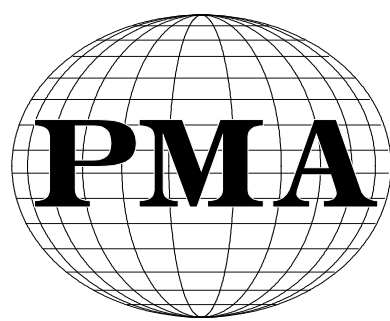
GAUGE HEIGHT 16'-05 1/2"

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	47.21	0	326.14	0	683.13	0	1,046.68	0	1,407.88	0	1,771.29	0	2,135.66	0	2,500.03	0	2,864.40	0	3,228.77
1/4	48.18	1/4	333.70	1/4	690.72	1/4	1,054.24	1/4	1,415.31	1/4	1,778.88	1/4	2,143.25	1/4	2,507.62	1/4	2,871.99	1/4	3,236.36
1/2	49.14	1/2	341.26	1/2	698.32	1/2	1,061.80	1/2	1,422.74	1/2	1,786.47	1/2	2,150.84	1/2	2,515.21	1/2	2,879.58	1/2	3,243.95
3/4	50.11	3/4	348.83	3/4	705.91	3/4	1,069.36	3/4	1,430.17	3/4	1,794.06	3/4	2,158.43	3/4	2,522.80	3/4	2,887.17	3/4	3,251.54
1	51.07	1	356.39	1	713.50	1	1,076.93	1	1,437.60	1	1,801.65	1	2,166.03	1	2,530.39	1	2,894.76	1	3,259.13
1/4	52.89	1/4	363.96	1/4	721.09	1/4	1,084.49	1/4	1,445.11	1/4	1,809.24	1/4	2,173.62	1/4	2,537.98	1/4	2,902.35	1/4	3,266.72
1/2	54.70	1/2	371.53	1/2	728.68	1/2	1,092.06	1/2	1,452.62	1/2	1,816.84	1/2	2,181.21	1/2	2,545.58	1/2	2,909.94	1/2	3,274.31
3/4	56.52	3/4	379.09	3/4	736.27	3/4	1,099.62	3/4	1,460.13	3/4	1,824.43	3/4	2,188.80	3/4	2,553.17	3/4	2,917.53	3/4	3,281.90
2	58.33	2	386.66	2	743.87	2	1,107.18	2	1,467.64	2	1,832.02	2	2,196.39	2	2,560.76	2	2,925.13	2	3,289.49
1/4	61.43	1/4	394.02	1/4	751.46	1/4	1,114.76	1/4	1,475.23	1/4	1,839.61	1/4	2,203.98	1/4	2,568.35	1/4	2,932.72	1/4	3,297.08
1/2	64.52	1/2	401.38	1/2	759.05	1/2	1,122.34	1/2	1,482.82	1/2	1,847.20	1/2	2,211.57	1/2	2,575.94	1/2	2,940.31	1/2	3,304.68
3/4	67.61	3/4	408.74	3/4	766.64	3/4	1,129.92	3/4	1,490.41	3/4	1,854.79	3/4	2,219.16	3/4	2,583.53	3/4	2,947.90	3/4	3,312.27
3	70.70	3	416.11	3	774.23	3	1,137.50	3	1,498.00	3	1,862.38	3	2,226.75	3	2,591.12	3	2,955.49	3	3,319.86
1/4	75.51	1/4	423.02	1/4	781.82	1/4	1,145.09	1/4	1,505.60	1/4	1,869.97	1/4	2,234.34	1/4	2,598.71	1/4	2,963.08	1/4	3,327.45
1/2	80.31	1/2	429.94	1/2	789.41	1/2	1,152.69	1/2	1,513.19	1/2	1,877.56	1/2	2,241.94	1/2	2,606.30	1/2	2,970.67	1/2	3,335.04
3/4	85.12	3/4	436.86	3/4	797.01	3/4	1,160.28	3/4	1,520.78	3/4	1,885.16	3/4	2,249.53	3/4	2,613.89	3/4	2,978.26	3/4	3,342.63
4	89.92	4	443.78	4	804.60	4	1,167.87	4	1,528.37	4	1,892.75	4	2,257.12	4	2,621.49	4	2,985.85	4	3,350.22
1/4	96.22	1/4	450.70	1/4	812.18	1/4	1,175.46	1/4	1,535.96	1/4	1,900.34	1/4	2,264.71	1/4	2,629.08	1/4	2,993.44	1/4	3,357.81
1/2	102.51	1/2	457.62	1/2	819.76	1/2	1,183.05	1/2	1,543.55	1/2	1,907.93	1/2	2,272.30	1/2	2,636.67	1/2	3,001.04	1/2	3,365.40
3/4	108.80	3/4	464.54	3/4	827.34	3/4	1,190.64	3/4	1,551.14	3/4	1,915.52	3/4	2,279.89	3/4	2,644.26	3/4	3,008.63	3/4	3,372.99
5	115.10	5	471.46	5	834.91	5	1,198.24	5	1,558.73	5	1,923.11	5	2,287.48	5	2,651.85	5	3,016.22	5	3,380.59
1/4	122.35	1/4	478.83	1/4	842.48	1/4	1,205.83	1/4	1,566.33	1/4	1,930.70	1/4	2,295.07	1/4	2,659.44	1/4	3,023.81	1/4	3,386.42
1/2	129.60	1/2	486.20	1/2	850.04	1/2	1,213.42	1/2	1,573.92	1/2	1,938.29	1/2	2,302.66	1/2	2,667.03	1/2	3,031.40	1/2	3,392.25
3/4	136.85	3/4	493.56	3/4	857.61	3/4	1,221.01	3/4	1,581.51	3/4	1,945.89	3/4	2,310.25	3/4	2,674.62	3/4	3,038.99	3/4	3,398.08
6	144.11	6	500.93	6	865.17	6	1,228.60	6	1,589.10	6	1,953.48	6	2,317.85	6	2,682.21	6	3,046.58	6	3,403.91
1/4	151.69	1/4	508.52	1/4	872.74	1/4	1,236.20	1/4	1,596.69	1/4	1,961.07	1/4	2,325.44	1/4	2,689.80	1/4	3,054.17	1/4	3,407.98
1/2	159.27	1/2	516.12	1/2	880.30	1/2	1,243.79	1/2	1,604.28	1/2	1,968.66	1/2	2,333.03	1/2	2,697.40	1/2	3,061.76	1/2	3,412.05
3/4	166.86	3/4	523.71	3/4	887.86	3/4	1,251.38	3/4	1,611.87	3/4	1,976.25	3/4	2,340.62	3/4	2,704.99	3/4	3,069.35	3/4	3,416.12
7	174.44	7	531.30	7	895.42	7	1,258.97	7	1,619.46	7	1,983.84	7	2,348.21	7	2,712.58	7	3,076.95	7	3,420.19
1/4	182.03	1/4	538.89	1/4	902.99	1/4	1,266.48	1/4	1,627.06	1/4	1,991.43	1/4	2,355.80	1/4	2,720.17	1/4	3,084.54	1/4	3,424.26
1/2	189.62	1/2	546.48	1/2	910.55	1/2	1,273.99	1/2	1,634.65	1/2	1,999.02	1/2	2,363.39	1/2	2,727.76	1/2	3,092.13	1/2	3,428.34
3/4	197.21	3/4	554.08	3/4	918.11	3/4	1,281.50	3/4	1,642.24	3/4	2,006.61	3/4	2,370.98	3/4	2,735.35	3/4	3,099.72	3/4	3,432.41
8	204.80	8	561.67	8	925.67	8	1,289.01	8	1,649.83	8	2,014.21	8	2,378.57	8	2,742.94	8	3,107.31	8	3,436.48
1/4	212.39	1/4	569.26	1/4	933.24	1/4	1,296.44	1/4	1,657.42	1/4	2,021.80	1/4	2,386.16	1/4	2,750.53	1/4	3,114.90	1/4	3,440.55
1/2	219.98	1/2	576.85	1/2	940.80	1/2	1,303.87	1/2	1,665.01	1/2	2,029.39	1/2	2,393.76	1/2	2,758.12	1/2	3,122.49	1/2	3,444.62
3/4	227.58	3/4	584.44	3/4	948.36	3/4	1,311.30	3/4	1,672.60	3/4	2,036.98	3/4	2,401.35	3/4	2,765.71	3/4	3,130.08	3/4	3,448.69
9	235.17	9	592.04	9	955.92	9	1,318.73	9	1,680.19	9	2,044.57	9	2,408.94	9	2,773.31	9	3,137.67	9	3,452.76
1/4	242.76	1/4	599.63	1/4	963.49	1/4	1,326.16	1/4	1,687.78	1/4	2,052.16	1/4	2,416.53	1/4	2,780.90	1/4	3,145.26	1/4	3,456.84
1/2	250.35	1/2	607.22	1/2	971.05	1/2	1,333.59	1/2	1,695.38	1/2	2,059.75	1/2	2,424.12	1/2	2,788.49	1/2	3,152.86	1/2	3,460.91
3/4	257.94	3/4	614.81	3/4	978.61	3/4	1,341.02	3/4	1,702.97	3/4	2,067.34	3/4	2,431.71	3/4	2,796.08	3/4	3,160.45	3/4	3,464.98
10	265.53	10	622.40	10	986.17	10	1,348.45	10	1,710.56	10	2,074.93	10	2,439.30	10	2,803.67	10	3,168.04	10	3,469.05
1/4	273.11	1/4	629.99	1/4	993.74	1/4	1,355.88	1/4	1,718.15	1/4	2,082.52	1/4	2,446.89	1/4	2,811.26	1/4	3,175.63	1/4	3,473.12
1/2	280.70	1/2	637.58	1/2	1,001.30	1/2	1,363.31	1/2	1,725.74	1/2	2,090.12	1/2	2,454.48	1/2	2,818.85	1/2	3,183.22	1/2	3,477.19
3/4	288.28	3/4	645.18	3/4	1,008.86	3/4	1,370.74	3/4	1,733.33	3/4	2,097.71	3/4	2,462.07	3/4	2,826.44	3/4	3,190.81	3/4	3,481.26
11	295.86	11	652.77	11	1,016.43	11	1,378.17	11	1,740.92	11	2,105.30	11	2,469.67	11	2,834.03	11	3,198.40	11	3,485.33
1/4	303.43	1/4	660.36	1/4	1,023.99	1/4	1,385.60	1/4	1,748.51	1/4	2,112.89	1/4	2,477.26	1/4	2,841.62	1/4	3,205.99	1/4	3,489.41
1/2	311.00	1/2	667.95	1/2	1,031.55	1/2	1,393.03	1/2	1,756.11	1/2	2,120.48	1/2	2,484.85	1/2	2,849.22	1/2	3,213.58	1/2	3,493.48
3/4	318.57	3/4	675.54	3/4	1,039.11	3/4	1,400.45	3/4	1,763.70	3/4	2,128.07	3/4	2,492.44	3/4	2,856.81	3/4	3,221.17	3/4	3,497.55

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 INNAGE GAUGES TAKEN AT 2" RESTRICTED GAUGE STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 50'-10" 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 27713"

3 STBD INNAGE TABLE

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

GAUGE HEIGHT 16'-05 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	3,501.62	0	3,695.64	0	3,879.20	0	4,048.06	0		0		0		0		0		0	
1/4	3,505.69	1/4	3,699.58	1/4	3,882.83	1/4	4,051.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,509.76	1/2	3,703.53	1/2	3,886.45	1/2	4,055.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,513.83	3/4	3,707.47	3/4	3,890.07	3/4	4,058.70	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,517.90	1	3,711.41	1	3,893.70	1	4,062.24	1		1		1		1		1		1	
1/4	3,521.98	1/4	3,715.34	1/4	3,897.30	1/4	4,066.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,526.05	1/2	3,719.26	1/2	3,900.91	1/2	4,069.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,530.12	3/4	3,723.19	3/4	3,904.51	3/4	4,073.75	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,534.19	2	3,727.11	2	3,908.12	2	4,077.59	2		2		2		2		2		2	
1/4	3,538.26	1/4	3,731.02	1/4	3,911.70	1/4	4,081.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,542.33	1/2	3,734.93	1/2	3,915.29	1/2	4,085.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,546.40	3/4	3,738.84	3/4	3,918.87	3/4	4,089.55	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,550.48	3	3,742.75	3	3,922.46	3	4,093.54	3		3		3		3		3		3	
1/4	3,554.55	1/4	3,746.63	1/4	3,926.02	1/4	4,097.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,558.62	1/2	3,750.52	1/2	3,929.59	1/2	4,101.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,562.69	3/4	3,754.41	3/4	3,933.15	3/4	4,105.26	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,566.76	4	3,758.30	4	3,936.72	4	4,109.17	4		4		4		4		4		4	
1/4	3,570.83	1/4	3,762.17	1/4	3,940.27	1/4	4,112.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,574.90	1/2	3,766.04	1/2	3,943.81	1/2	4,115.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,578.97	3/4	3,769.91	3/4	3,947.36	3/4	4,118.99	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,583.05	5	3,773.78	5	3,950.90	5	4,122.27	5		5		5		5		5		5	
1/4	3,587.11	1/4	3,777.63	1/4	3,954.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,591.18	1/2	3,781.48	1/2	3,957.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,595.25	3/4	3,785.32	3/4	3,961.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,599.32	6	3,789.17	6	3,965.02	6		6		6		6		6		6		6	
1/4	3,603.38	1/4	3,793.00	1/4	3,968.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,607.44	1/2	3,796.83	1/2	3,972.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,611.50	3/4	3,800.66	3/4	3,975.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,615.56	7	3,804.49	7	3,979.06	7		7		7		7		7		7		7	
1/4	3,619.60	1/4	3,808.30	1/4	3,982.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,623.65	1/2	3,812.11	1/2	3,986.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,627.69	3/4	3,815.92	3/4	3,989.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,631.74	8	3,819.73	8	3,993.02	8		8		8		8		8		8		8	
1/4	3,635.76	1/4	3,823.52	1/4	3,996.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,639.78	1/2	3,827.31	1/2	3,999.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,643.81	3/4	3,831.10	3/4	4,003.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,647.83	9	3,834.88	9	4,006.90	9		9		9		9		9		9		9	
1/4	3,651.83	1/4	3,838.63	1/4	4,010.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,655.84	1/2	3,842.38	1/2	4,013.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,659.84	3/4	3,846.13	3/4	4,017.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,663.85	10	3,849.88	10	4,020.70	10		10		10		10		10		10		10	
1/4	3,667.83	1/4	3,853.56	1/4	4,024.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,671.81	1/2	3,857.25	1/2	4,027.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,675.80	3/4	3,860.93	3/4	4,030.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,679.78	11	3,864.62	11	4,034.42	11		11		11		11		11		11		11	
1/4	3,683.75	1/4	3,868.27	1/4	4,037.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,687.71	1/2	3,871.91	1/2	4,041.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,691.67	3/4	3,875.56	3/4	4,044.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/06/2003 CL - SW
VERIFIED: 01/10/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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



BARGE "KIRBY 27713"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 6'-05 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	2,402	0	4,808	0	7,215	0	9,621	0	12,027	0		0		0		0	
1/4	50	1/4	2,452	1/4	4,858	1/4	7,265	1/4	9,671	1/4	12,077	1/4		1/4		1/4		1/4	
1/2	99	1/2	2,502	1/2	4,909	1/2	7,315	1/2	9,721	1/2	12,127	1/2		1/2		1/2		1/2	
3/4	149	3/4	2,552	3/4	4,959	3/4	7,365	3/4	9,771	3/4	12,177	3/4		3/4		3/4		3/4	
1	199	1	2,603	1	5,009	1	7,415	1	9,821	1	12,228	1		1		1		1	
1/4	249	1/4	2,653	1/4	5,059	1/4	7,465	1/4	9,871	1/4	12,278	1/4		1/4		1/4		1/4	
1/2	299	1/2	2,703	1/2	5,109	1/2	7,515	1/2	9,922	1/2	12,328	1/2		1/2		1/2		1/2	
3/4	348	3/4	2,753	3/4	5,159	3/4	7,566	3/4	9,972	3/4	12,378	3/4		3/4		3/4		3/4	
2	398	2	2,803	2	5,209	2	7,616	2	10,022	2	12,428	2		2		2		2	
1/4	448	1/4	2,853	1/4	5,260	1/4	7,666	1/4	10,072	1/4	12,478	1/4		1/4		1/4		1/4	
1/2	498	1/2	2,903	1/2	5,310	1/2	7,716	1/2	10,122	1/2	12,528	1/2		1/2		1/2		1/2	
3/4	548	3/4	2,954	3/4	5,360	3/4	7,766	3/4	10,172	3/4	12,579	3/4		3/4		3/4		3/4	
3	597	3	3,004	3	5,410	3	7,816	3	10,222	3	12,629	3		3		3		3	
1/4	648	1/4	3,054	1/4	5,460	1/4	7,866	1/4	10,273	1/4	12,679	1/4		1/4		1/4		1/4	
1/2	698	1/2	3,104	1/2	5,510	1/2	7,916	1/2	10,323	1/2	12,729	1/2		1/2		1/2		1/2	
3/4	748	3/4	3,154	3/4	5,560	3/4	7,967	3/4	10,373	3/4	12,779	3/4		3/4		3/4		3/4	
4	798	4	3,204	4	5,610	4	8,017	4	10,423	4	12,829	4		4		4		4	
1/4	848	1/4	3,254	1/4	5,661	1/4	8,067	1/4	10,473	1/4	12,879	1/4		1/4		1/4		1/4	
1/2	898	1/2	3,304	1/2	5,711	1/2	8,117	1/2	10,523	1/2	12,929	1/2		1/2		1/2		1/2	
3/4	948	3/4	3,355	3/4	5,761	3/4	8,167	3/4	10,573	3/4	12,980	3/4		3/4		3/4		3/4	
5	998	5	3,405	5	5,811	5	8,217	5	10,623	5	13,030	5		5		5		5	
1/4	1,049	1/4	3,455	1/4	5,861	1/4	8,267	1/4	10,674	1/4	13,080	1/4		1/4		1/4		1/4	
1/2	1,099	1/2	3,505	1/2	5,911	1/2	8,317	1/2	10,724	1/2	13,130	1/2		1/2		1/2		1/2	
3/4	1,149	3/4	3,555	3/4	5,961	3/4	8,368	3/4	10,774	3/4	13,180	3/4		3/4		3/4		3/4	
6	1,199	6	3,605	6	6,011	6	8,418	6	10,824	6	13,230	6		6		6		6	
1/4	1,249	1/4	3,655	1/4	6,062	1/4	8,468	1/4	10,874	1/4	13,280	1/4		1/4		1/4		1/4	
1/2	1,299	1/2	3,705	1/2	6,112	1/2	8,518	1/2	10,924	1/2	13,330	1/2		1/2		1/2		1/2	
3/4	1,349	3/4	3,756	3/4	6,162	3/4	8,568	3/4	10,974	3/4	13,381	3/4		3/4		3/4		3/4	
7	1,399	7	3,806	7	6,212	7	8,618	7	11,024	7	13,431	7		7		7		7	
1/4	1,450	1/4	3,856	1/4	6,262	1/4	8,668	1/4	11,075	1/4	13,481	1/4		1/4		1/4		1/4	
1/2	1,500	1/2	3,906	1/2	6,312	1/2	8,719	1/2	11,125	1/2	13,531	1/2		1/2		1/2		1/2	
3/4	1,550	3/4	3,956	3/4	6,362	3/4	8,769	3/4	11,175	3/4	13,581	3/4		3/4		3/4		3/4	
8	1,600	8	4,006	8	6,413	8	8,819	8	11,225	8	13,631	8		8		8		8	
1/4	1,650	1/4	4,056	1/4	6,463	1/4	8,869	1/4	11,275	1/4	13,681	1/4		1/4		1/4		1/4	
1/2	1,700	1/2	4,107	1/2	6,513	1/2	8,919	1/2	11,325	1/2	13,732	1/2		1/2		1/2		1/2	
3/4	1,750	3/4	4,157	3/4	6,563	3/4	8,969	3/4	11,375	3/4	13,782	3/4		3/4		3/4		3/4	
9	1,801	9	4,207	9	6,613	9	9,019	9	11,426	9	13,832	9		9		9		9	
1/4	1,851	1/4	4,257	1/4	6,663	1/4	9,069	1/4	11,476	1/4	13,882	1/4		1/4		1/4		1/4	
1/2	1,901	1/2	4,307	1/2	6,713	1/2	9,120	1/2	11,526	1/2	13,932	1/2		1/2		1/2		1/2	
3/4	1,951	3/4	4,357	3/4	6,763	3/4	9,170	3/4	11,576	3/4	13,982	3/4		3/4		3/4		3/4	
10	2,001	10	4,407	10	6,814	10	9,220	10	11,626	10	14,032	10		10		10		10	
1/4	2,051	1/4	4,457	1/4	6,864	1/4	9,270	1/4	11,676	1/4		1/4		1/4		1/4		1/4	
1/2	2,101	1/2	4,508	1/2	6,914	1/2	9,320	1/2	11,726	1/2		1/2		1/2		1/2		1/2	
3/4	2,151	3/4	4,558	3/4	6,964	3/4	9,370	3/4	11,776	3/4		3/4		3/4		3/4		3/4	
11	2,202	11	4,608	11	7,014	11	9,420	11	11,827	11		11		11		11		11	
1/4	2,252	1/4	4,658	1/4	7,064	1/4	9,470	1/4	11,877	1/4		1/4		1/4		1/4		1/4	
1/2	2,302	1/2	4,708	1/2	7,114	1/2	9,521	1/2	11,927	1/2		1/2		1/2		1/2		1/2	
3/4	2,352	3/4	4,758	3/4	7,164	3/4	9,571	3/4	11,977	3/4		3/4		3/4		3/4		3/4	

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 INNAGE GAUGES

STRAPPED: 11/29/2018 SW
CALCULATED: 12/03/2018 CL
VERIFIED: 01/10/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.

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