



BARGE "KIRBY 28748"

ULLAGE TRIM TABLE HERMETIC

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
3 PORT	00-5/8	- 00-5/8	01-3/8	- 01-3/8	02-0/8	- 02-0/8	02-5/8	- 02-5/8	03-1/4	- 03-1/4	04-0/8	- 04-0/8
3 STBD	00-5/8	- 00-5/8	01-3/8	- 01-3/8	02-0/8	- 02-0/8	02-5/8	- 02-5/8	03-1/4	- 03-1/4	04-0/8	- 04-0/8

(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 2 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 241'-06"

May 10, 2017

PRECISION MEASUREMENT
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 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28748"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04"

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	5,085.72	0	4,758.62	0	4,399.82	0	4,041.02	0	3,682.22	0	3,323.42	0	2,964.62
1/4		1/4		1/4		1/4	5,081.85	1/4	4,751.14	1/4	4,392.34	1/4	4,033.54	1/4	3,674.74	1/4	3,315.94	1/4	2,957.14
1/2		1/2		1/2		1/2	5,077.99	1/2	4,743.67	1/2	4,384.87	1/2	4,026.07	1/2	3,667.27	1/2	3,308.47	1/2	2,949.67
3/4		3/4		3/4		3/4	5,074.12	3/4	4,736.19	3/4	4,377.39	3/4	4,018.59	3/4	3,659.79	3/4	3,300.99	3/4	2,942.19
1		1		1		1	5,070.25	1	4,728.72	1	4,369.92	1	4,011.12	1	3,652.32	1	3,293.52	1	2,934.72
1/4		1/4		1/4		1/4	5,065.28	1/4	4,721.24	1/4	4,362.44	1/4	4,003.64	1/4	3,644.84	1/4	3,286.04	1/4	2,927.24
1/2		1/2		1/2		1/2	5,060.30	1/2	4,713.77	1/2	4,354.97	1/2	3,996.17	1/2	3,637.37	1/2	3,278.57	1/2	2,919.77
3/4		3/4		3/4		3/4	5,055.33	3/4	4,706.29	3/4	4,347.49	3/4	3,988.69	3/4	3,629.89	3/4	3,271.09	3/4	2,912.29
2		2		2		2	5,050.35	2	4,698.82	2	4,340.02	2	3,981.22	2	3,622.42	2	3,263.62	2	2,904.82
1/4		1/4		1/4		1/4	5,044.27	1/4	4,691.34	1/4	4,332.54	1/4	3,973.74	1/4	3,614.94	1/4	3,256.14	1/4	2,897.34
1/2		1/2		1/2		1/2	5,038.19	1/2	4,683.87	1/2	4,325.07	1/2	3,966.27	1/2	3,607.47	1/2	3,248.67	1/2	2,889.87
3/4		3/4		3/4		3/4	5,032.11	3/4	4,676.39	3/4	4,317.59	3/4	3,958.79	3/4	3,599.99	3/4	3,241.19	3/4	2,882.39
3		3		3		3	5,026.03	3	4,668.92	3	4,310.12	3	3,951.32	3	3,592.52	3	3,233.72	3	2,874.92
1/4		1/4		1/4		1/4	5,018.98	1/4	4,661.44	1/4	4,302.64	1/4	3,943.84	1/4	3,585.04	1/4	3,226.24	1/4	2,867.44
1/2		1/2		1/2		1/2	5,011.93	1/2	4,653.97	1/2	4,295.17	1/2	3,936.37	1/2	3,577.57	1/2	3,218.77	1/2	2,859.97
3/4		3/4		3/4		3/4	5,004.87	3/4	4,646.49	3/4	4,287.69	3/4	3,928.89	3/4	3,570.09	3/4	3,211.29	3/4	2,852.49
4		4		4		4	4,997.82	4	4,639.02	4	4,280.22	4	3,921.42	4	3,562.62	4	3,203.82	4	2,845.02
1/4		1/4		1/4		1/4	4,990.35	1/4	4,631.54	1/4	4,272.74	1/4	3,913.94	1/4	3,555.14	1/4	3,196.34	1/4	2,837.54
1/2		1/2		1/2		1/2	4,982.87	1/2	4,624.07	1/2	4,265.27	1/2	3,906.47	1/2	3,547.67	1/2	3,188.87	1/2	2,830.07
3/4		3/4		3/4		3/4	4,975.40	3/4	4,616.59	3/4	4,257.79	3/4	3,898.99	3/4	3,540.19	3/4	3,181.39	3/4	2,822.59
5		5		5		5	4,967.92	5	4,609.12	5	4,250.32	5	3,891.52	5	3,532.72	5	3,173.92	5	2,815.12
1/4		1/4		1/4		1/4	4,960.45	1/4	4,601.64	1/4	4,242.84	1/4	3,884.04	1/4	3,525.24	1/4	3,166.44	1/4	2,807.64
1/2		1/2		1/2		1/2	4,952.97	1/2	4,594.17	1/2	4,235.37	1/2	3,876.57	1/2	3,517.77	1/2	3,158.97	1/2	2,800.17
3/4		3/4		3/4		3/4	4,945.50	3/4	4,586.69	3/4	4,227.89	3/4	3,869.09	3/4	3,510.29	3/4	3,151.49	3/4	2,792.69
6		6		6		6	4,938.02	6	4,579.22	6	4,220.42	6	3,861.62	6	3,502.82	6	3,144.02	6	2,785.22
1/4		1/4		1/4		1/4	4,930.55	1/4	4,571.74	1/4	4,212.94	1/4	3,854.14	1/4	3,495.34	1/4	3,136.54	1/4	2,777.74
1/2		1/2		1/2		1/2	4,923.07	1/2	4,564.27	1/2	4,205.47	1/2	3,846.67	1/2	3,487.87	1/2	3,129.07	1/2	2,770.27
3/4		3/4		3/4		3/4	4,915.60	3/4	4,556.79	3/4	4,197.99	3/4	3,839.19	3/4	3,480.39	3/4	3,121.59	3/4	2,762.79
7		7		7		7	4,908.12	7	4,549.32	7	4,190.52	7	3,831.72	7	3,472.92	7	3,114.12	7	2,755.32
1/4		1/4		1/4		1/4	4,900.64	1/4	4,541.84	1/4	4,183.04	1/4	3,824.24	1/4	3,465.44	1/4	3,106.64	1/4	2,747.84
1/2		1/2		1/2		1/2	4,893.17	1/2	4,534.37	1/2	4,175.57	1/2	3,816.77	1/2	3,457.97	1/2	3,099.17	1/2	2,740.37
3/4		3/4		3/4		3/4	4,885.69	3/4	4,526.89	3/4	4,168.09	3/4	3,809.29	3/4	3,450.49	3/4	3,091.69	3/4	2,732.89
8		8		8		8	4,878.22	8	4,519.42	8	4,160.62	8	3,801.82	8	3,443.02	8	3,084.22	8	2,725.42
1/4		1/4		1/4		1/4	4,870.74	1/4	4,511.94	1/4	4,153.14	1/4	3,794.34	1/4	3,435.54	1/4	3,076.74	1/4	2,717.94
1/2		1/2		1/2		1/2	4,863.27	1/2	4,504.47	1/2	4,145.67	1/2	3,786.87	1/2	3,428.07	1/2	3,069.27	1/2	2,710.47
3/4		3/4		3/4		3/4	4,855.79	3/4	4,496.99	3/4	4,138.19	3/4	3,779.39	3/4	3,420.59	3/4	3,061.79	3/4	2,702.99
9		9		9	5,106.00	9	4,848.32	9	4,489.52	9	4,130.72	9	3,771.92	9	3,413.12	9	3,054.32	9	2,695.52
1/4		1/4		1/4	5,105.35	1/4	4,840.84	1/4	4,482.04	1/4	4,123.24	1/4	3,764.44	1/4	3,405.64	1/4	3,046.84	1/4	2,688.04
1/2		1/2		1/2	5,104.70	1/2	4,833.37	1/2	4,474.57	1/2	4,115.77	1/2	3,756.97	1/2	3,398.17	1/2	3,039.37	1/2	2,680.57
3/4		3/4		3/4	5,104.04	3/4	4,825.89	3/4	4,467.09	3/4	4,108.29	3/4	3,749.49	3/4	3,390.69	3/4	3,031.89	3/4	2,673.09
10		10		10	5,103.39	10	4,818.42	10	4,459.62	10	4,100.82	10	3,742.02	10	3,383.22	10	3,024.42	10	2,665.62
1/4		1/4		1/4	5,101.74	1/4	4,810.94	1/4	4,452.14	1/4	4,093.34	1/4	3,734.54	1/4	3,375.74	1/4	3,016.94	1/4	2,658.14
1/2		1/2		1/2	5,100.08	1/2	4,803.47	1/2	4,444.67	1/2	4,085.87	1/2	3,727.07	1/2	3,368.27	1/2	3,009.47	1/2	2,650.67
3/4		3/4		3/4	5,098.43	3/4	4,795.99	3/4	4,437.19	3/4	4,078.39	3/4	3,719.59	3/4	3,360.79	3/4	3,001.99	3/4	2,643.19
11		11		11	5,096.77	11	4,788.52	11	4,429.72	11	4,070.92	11	3,712.12	11	3,353.32	11	2,994.52	11	2,635.72
1/4		1/4		1/4	5,094.01	1/4	4,781.04	1/4	4,422.24	1/4	4,063.44	1/4	3,704.64	1/4	3,345.84	1/4	2,987.04	1/4	2,628.24
1/2		1/2		1/2	5,091.25	1/2	4,773.57	1/2	4,414.77	1/2	4,055.97	1/2	3,697.17	1/2	3,338.37	1/2	2,979.57	1/2	2,620.77
3/4		3/4		3/4	5,088.48	3/4	4,766.09	3/4	4,407.29	3/4	4,048.49	3/4	3,689.69	3/4	3,330.89	3/4	2,972.09	3/4	2,613.29

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 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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BARGE "KIRBY 28748"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04"

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	2,605.82	0	2,247.02	0	1,888.22	0	1,529.42	0	1,170.62	0	811.82	0	453.52	0	119.98	0		0	
1/4	2,598.34	1/4	2,239.54	1/4	1,880.74	1/4	1,521.94	1/4	1,163.14	1/4	804.34	1/4	446.21	1/4	113.45	1/4		1/4	
1/2	2,590.87	1/2	2,232.07	1/2	1,873.27	1/2	1,514.47	1/2	1,155.67	1/2	796.87	1/2	438.90	1/2	106.92	1/2		1/2	
3/4	2,583.39	3/4	2,224.59	3/4	1,865.79	3/4	1,506.99	3/4	1,148.19	3/4	789.39	3/4	431.59	3/4	100.40	3/4		3/4	
1	2,575.92	1	2,217.12	1	1,858.32	1	1,499.52	1	1,140.72	1	781.92	1	424.28	1	93.87	1		1	
1/4	2,568.44	1/4	2,209.64	1/4	1,850.84	1/4	1,492.04	1/4	1,133.24	1/4	774.44	1/4	417.00	1/4	87.37	1/4		1/4	
1/2	2,560.97	1/2	2,202.17	1/2	1,843.37	1/2	1,484.57	1/2	1,125.77	1/2	766.97	1/2	409.72	1/2	80.87	1/2		1/2	
3/4	2,553.49	3/4	2,194.69	3/4	1,835.89	3/4	1,477.09	3/4	1,118.29	3/4	759.49	3/4	402.44	3/4	74.38	3/4		3/4	
2	2,546.02	2	2,187.22	2	1,828.42	2	1,469.62	2	1,110.82	2	752.02	2	395.16	2	67.88	2		2	
1/4	2,538.54	1/4	2,179.74	1/4	1,820.94	1/4	1,462.14	1/4	1,103.34	1/4	744.54	1/4	388.01	1/4	61.54	1/4		1/4	
1/2	2,531.07	1/2	2,172.27	1/2	1,813.47	1/2	1,454.67	1/2	1,095.87	1/2	737.07	1/2	380.86	1/2	55.19	1/2		1/2	
3/4	2,523.59	3/4	2,164.79	3/4	1,805.99	3/4	1,447.19	3/4	1,088.39	3/4	729.59	3/4	373.71	3/4	48.85	3/4		3/4	
3	2,516.12	3	2,157.32	3	1,798.52	3	1,439.72	3	1,080.92	3	722.12	3	366.56	3	42.51	3		3	
1/4	2,508.64	1/4	2,149.84	1/4	1,791.04	1/4	1,432.24	1/4	1,073.44	1/4	714.64	1/4	359.45	1/4	37.45	1/4		1/4	
1/2	2,501.17	1/2	2,142.37	1/2	1,783.57	1/2	1,424.77	1/2	1,065.97	1/2	707.17	1/2	352.34	1/2	32.39	1/2		1/2	
3/4	2,493.69	3/4	2,134.89	3/4	1,776.09	3/4	1,417.29	3/4	1,058.49	3/4	699.69	3/4	345.24	3/4	27.34	3/4		3/4	
4	2,486.22	4	2,127.42	4	1,768.62	4	1,409.82	4	1,051.02	4	692.22	4	338.13	4	22.28	4		4	
1/4	2,478.74	1/4	2,119.94	1/4	1,761.14	1/4	1,402.34	1/4	1,043.54	1/4	684.74	1/4	331.11	1/4		1/4		1/4	
1/2	2,471.27	1/2	2,112.47	1/2	1,753.67	1/2	1,394.87	1/2	1,036.07	1/2	677.27	1/2	324.10	1/2		1/2		1/2	
3/4	2,463.79	3/4	2,104.99	3/4	1,746.19	3/4	1,387.39	3/4	1,028.59	3/4	669.79	3/4	317.08	3/4		3/4		3/4	
5	2,456.32	5	2,097.52	5	1,738.72	5	1,379.92	5	1,021.12	5	662.32	5	310.07	5		5		5	
1/4	2,448.84	1/4	2,090.04	1/4	1,731.24	1/4	1,372.44	1/4	1,013.64	1/4	654.84	1/4	303.09	1/4		1/4		1/4	
1/2	2,441.37	1/2	2,082.57	1/2	1,723.77	1/2	1,364.97	1/2	1,006.17	1/2	647.37	1/2	296.10	1/2		1/2		1/2	
3/4	2,433.89	3/4	2,075.09	3/4	1,716.29	3/4	1,357.49	3/4	998.69	3/4	639.89	3/4	289.12	3/4		3/4		3/4	
6	2,426.42	6	2,067.62	6	1,708.82	6	1,350.02	6	991.22	6	632.42	6	282.14	6		6		6	
1/4	2,418.94	1/4	2,060.14	1/4	1,701.34	1/4	1,342.54	1/4	983.74	1/4	624.94	1/4	275.24	1/4		1/4		1/4	
1/2	2,411.47	1/2	2,052.67	1/2	1,693.87	1/2	1,335.07	1/2	976.27	1/2	617.47	1/2	268.35	1/2		1/2		1/2	
3/4	2,403.99	3/4	2,045.19	3/4	1,686.39	3/4	1,327.59	3/4	968.79	3/4	609.99	3/4	261.45	3/4		3/4		3/4	
7	2,396.52	7	2,037.72	7	1,678.92	7	1,320.12	7	961.32	7	602.52	7	254.56	7		7		7	
1/4	2,389.04	1/4	2,030.24	1/4	1,671.44	1/4	1,312.64	1/4	953.84	1/4	595.04	1/4	247.70	1/4		1/4		1/4	
1/2	2,381.57	1/2	2,022.77	1/2	1,663.97	1/2	1,305.17	1/2	946.37	1/2	587.57	1/2	240.83	1/2		1/2		1/2	
3/4	2,374.09	3/4	2,015.29	3/4	1,656.49	3/4	1,297.69	3/4	938.89	3/4	580.09	3/4	233.97	3/4		3/4		3/4	
8	2,366.62	8	2,007.82	8	1,649.02	8	1,290.22	8	931.42	8	572.62	8	227.11	8		8		8	
1/4	2,359.14	1/4	2,000.34	1/4	1,641.54	1/4	1,282.74	1/4	923.94	1/4	565.14	1/4	220.34	1/4		1/4		1/4	
1/2	2,351.67	1/2	1,992.87	1/2	1,634.07	1/2	1,275.27	1/2	916.47	1/2	557.67	1/2	213.56	1/2		1/2		1/2	
3/4	2,344.19	3/4	1,985.39	3/4	1,626.59	3/4	1,267.79	3/4	908.99	3/4	550.19	3/4	206.79	3/4		3/4		3/4	
9	2,336.72	9	1,977.92	9	1,619.12	9	1,260.32	9	901.52	9	542.72	9	200.02	9		9		9	
1/4	2,329.24	1/4	1,970.44	1/4	1,611.64	1/4	1,252.84	1/4	894.04	1/4	535.24	1/4	193.50	1/4		1/4		1/4	
1/2	2,321.77	1/2	1,962.97	1/2	1,604.17	1/2	1,245.37	1/2	886.57	1/2	527.77	1/2	186.99	1/2		1/2		1/2	
3/4	2,314.29	3/4	1,955.49	3/4	1,596.69	3/4	1,237.89	3/4	879.09	3/4	520.29	3/4	180.47	3/4		3/4		3/4	
10	2,306.82	10	1,948.02	10	1,589.22	10	1,230.42	10	871.62	10	512.82	10	173.96	10		10		10	
1/4	2,299.34	1/4	1,940.54	1/4	1,581.74	1/4	1,222.94	1/4	864.14	1/4	505.40	1/4	167.08	1/4		1/4		1/4	
1/2	2,291.87	1/2	1,933.07	1/2	1,574.27	1/2	1,215.47	1/2	856.67	1/2	497.98	1/2	160.21	1/2		1/2		1/2	
3/4	2,284.39	3/4	1,925.59	3/4	1,566.79	3/4	1,207.99	3/4	849.19	3/4	490.56	3/4	153.33	3/4		3/4		3/4	
11	2,276.92	11	1,918.12	11	1,559.32	11	1,200.52	11	841.72	11	483.14	11	146.46	11		11		11	
1/4	2,269.44	1/4	1,910.64	1/4	1,551.84	1/4	1,193.04	1/4	834.24	1/4	475.73	1/4	139.84	1/4		1/4		1/4	
1/2	2,261.97	1/2	1,903.17	1/2	1,544.37	1/2	1,185.57	1/2	826.77	1/2	468.33	1/2	133.22	1/2		1/2		1/2	
3/4	2,254.49	3/4	1,895.69	3/4	1,536.89	3/4	1,178.09	3/4	819.29	3/4	460.92	3/4	126.60	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2008 INSP
DECK MEASUREMENTS: 05/11/2017 SW
RECOMPUTED: 08/11/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2017

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



BARGE "KIRBY 28748"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04 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	5,088.48	0	4,766.09	0	4,407.29	0	4,048.49	0	3,689.69	0	3,330.89	0	2,972.09		
1/4		1/4		1/4		1/4	5,085.72	1/4	4,758.62	1/4	4,399.82	1/4	4,041.02	1/4	3,682.22	1/4	3,323.42	1/4	2,964.62		
1/2		1/2		1/2		1/2	5,081.85	1/2	4,751.14	1/2	4,392.34	1/2	4,033.54	1/2	3,674.74	1/2	3,315.94	1/2	2,957.14		
3/4		3/4		3/4		3/4	5,077.99	3/4	4,743.67	3/4	4,384.87	3/4	4,026.07	3/4	3,667.27	3/4	3,308.47	3/4	2,949.67		
1		1		1		1	5,074.12	1	4,736.19	1	4,377.39	1	4,018.59	1	3,659.79	1	3,300.99	1	2,942.19		
1/4		1/4		1/4		1/4	5,070.25	1/4	4,728.72	1/4	4,369.92	1/4	4,011.12	1/4	3,652.32	1/4	3,293.52	1/4	2,934.72		
1/2		1/2		1/2		1/2	5,065.28	1/2	4,721.24	1/2	4,362.44	1/2	4,003.64	1/2	3,644.84	1/2	3,286.04	1/2	2,927.24		
3/4		3/4		3/4		3/4	5,060.30	3/4	4,713.77	3/4	4,354.97	3/4	3,996.17	3/4	3,637.37	3/4	3,278.57	3/4	2,919.77		
2		2		2		2	5,055.33	2	4,706.29	2	4,347.49	2	3,988.69	2	3,629.89	2	3,271.09	2	2,912.29		
1/4		1/4		1/4		1/4	5,050.35	1/4	4,698.82	1/4	4,340.02	1/4	3,981.22	1/4	3,622.42	1/4	3,263.62	1/4	2,904.82		
1/2		1/2		1/2		1/2	5,044.27	1/2	4,691.34	1/2	4,332.54	1/2	3,973.74	1/2	3,614.94	1/2	3,256.14	1/2	2,897.34		
3/4		3/4		3/4		3/4	5,038.19	3/4	4,683.87	3/4	4,325.07	3/4	3,966.27	3/4	3,607.47	3/4	3,248.67	3/4	2,889.87		
3		3		3		3	5,032.11	3	4,676.39	3	4,317.59	3	3,958.79	3	3,599.99	3	3,241.19	3	2,882.39		
1/4		1/4		1/4		1/4	5,026.03	1/4	4,668.92	1/4	4,310.12	1/4	3,951.32	1/4	3,592.52	1/4	3,233.72	1/4	2,874.92		
1/2		1/2		1/2		1/2	5,018.98	1/2	4,661.44	1/2	4,302.64	1/2	3,943.84	1/2	3,585.04	1/2	3,226.24	1/2	2,867.44		
3/4		3/4		3/4		3/4	5,011.93	3/4	4,653.97	3/4	4,295.17	3/4	3,936.37	3/4	3,577.57	3/4	3,218.77	3/4	2,859.97		
4		4		4		4	5,004.87	4	4,646.49	4	4,287.69	4	3,928.89	4	3,570.09	4	3,211.29	4	2,852.49		
1/4		1/4		1/4		1/4	4,997.82	1/4	4,639.02	1/4	4,280.22	1/4	3,921.42	1/4	3,562.62	1/4	3,203.82	1/4	2,845.02		
1/2		1/2		1/2		1/2	4,990.35	1/2	4,631.54	1/2	4,272.74	1/2	3,913.94	1/2	3,555.14	1/2	3,196.34	1/2	2,837.54		
3/4		3/4		3/4		3/4	4,982.87	3/4	4,624.07	3/4	4,265.27	3/4	3,906.47	3/4	3,547.67	3/4	3,188.87	3/4	2,830.07		
5		5		5		5	4,975.40	5	4,616.59	5	4,257.79	5	3,898.99	5	3,540.19	5	3,181.39	5	2,822.59		
1/4		1/4		1/4		1/4	4,967.92	1/4	4,609.12	1/4	4,250.32	1/4	3,891.52	1/4	3,532.72	1/4	3,173.92	1/4	2,815.12		
1/2		1/2		1/2		1/2	4,960.45	1/2	4,601.64	1/2	4,242.84	1/2	3,884.04	1/2	3,525.24	1/2	3,166.44	1/2	2,807.64		
3/4		3/4		3/4		3/4	4,952.97	3/4	4,594.17	3/4	4,235.37	3/4	3,876.57	3/4	3,517.77	3/4	3,158.97	3/4	2,800.17		
6		6		6		6	4,945.50	6	4,586.69	6	4,227.89	6	3,869.09	6	3,510.29	6	3,151.49	6	2,792.69		
1/4		1/4		1/4		1/4	4,938.02	1/4	4,579.22	1/4	4,220.42	1/4	3,861.62	1/4	3,502.82	1/4	3,144.02	1/4	2,785.22		
1/2		1/2		1/2		1/2	4,930.55	1/2	4,571.74	1/2	4,212.94	1/2	3,854.14	1/2	3,495.34	1/2	3,136.54	1/2	2,777.74		
3/4		3/4		3/4		3/4	4,923.07	3/4	4,564.27	3/4	4,205.47	3/4	3,846.67	3/4	3,487.87	3/4	3,129.07	3/4	2,770.27		
7		7		7		7	4,915.60	7	4,556.79	7	4,197.99	7	3,839.19	7	3,480.39	7	3,121.59	7	2,762.79		
1/4		1/4		1/4		1/4	4,908.12	1/4	4,549.32	1/4	4,190.52	1/4	3,831.72	1/4	3,472.92	1/4	3,114.12	1/4	2,755.32		
1/2		1/2		1/2		1/2	4,900.64	1/2	4,541.84	1/2	4,183.04	1/2	3,824.24	1/2	3,465.44	1/2	3,106.64	1/2	2,747.84		
3/4		3/4		3/4		3/4	4,893.17	3/4	4,534.37	3/4	4,175.57	3/4	3,816.77	3/4	3,457.97	3/4	3,099.17	3/4	2,740.37		
8		8		8		8	4,885.69	8	4,526.89	8	4,168.09	8	3,809.29	8	3,450.49	8	3,091.69	8	2,732.89		
1/4		1/4		1/4		1/4	4,878.22	1/4	4,519.42	1/4	4,160.62	1/4	3,801.82	1/4	3,443.02	1/4	3,084.22	1/4	2,725.42		
1/2		1/2		1/2		1/2	4,870.74	1/2	4,511.94	1/2	4,153.14	1/2	3,794.34	1/2	3,435.54	1/2	3,076.74	1/2	2,717.94		
3/4		3/4		3/4		3/4	4,863.27	3/4	4,504.47	3/4	4,145.67	3/4	3,786.87	3/4	3,428.07	3/4	3,069.27	3/4	2,710.47		
9		9		9		9	4,855.79	9	4,496.99	9	4,138.19	9	3,779.39	9	3,420.59	9	3,061.79	9	2,702.99		
1/4		1/4		1/4		1/4	5,106.00	1/4	4,848.32	1/4	4,489.52	1/4	4,130.72	1/4	3,771.92	1/4	3,413.12	1/4	2,695.52		
1/2		1/2		1/2		1/2	5,105.35	1/2	4,840.84	1/2	4,482.04	1/2	4,123.24	1/2	3,764.44	1/2	3,405.64	1/2	2,688.04		
3/4		3/4		3/4		3/4	5,104.70	3/4	4,833.37	3/4	4,474.57	3/4	4,115.77	3/4	3,756.97	3/4	3,398.17	3/4	2,680.57		
10		10		10		10	5,104.04	10	4,825.89	10	4,467.09	10	4,108.29	10	3,749.49	10	3,390.69	10	3,031.89	10	2,673.09
1/4		1/4		1/4		1/4	5,103.39	1/4	4,818.42	1/4	4,459.62	1/4	4,100.82	1/4	3,742.02	1/4	3,383.22	1/4	3,024.42	1/4	2,665.62
1/2		1/2		1/2		1/2	5,101.74	1/2	4,810.94	1/2	4,452.14	1/2	4,093.34	1/2	3,734.54	1/2	3,375.74	1/2	3,016.94	1/2	2,658.14
3/4		3/4		3/4		3/4	5,100.08	3/4	4,803.47	3/4	4,444.67	3/4	4,085.87	3/4	3,727.07	3/4	3,368.27	3/4	3,009.47	3/4	2,650.67
11		11		11		11	5,098.43	11	4,795.99	11	4,437.19	11	4,078.39	11	3,719.59	11	3,360.79	11	3,001.99	11	2,643.19
1/4		1/4		1/4		1/4	5,096.77	1/4	4,788.52	1/4	4,429.72	1/4	4,070.92	1/4	3,712.12	1/4	3,353.32	1/4	2,994.52	1/4	2,635.72
1/2		1/2		1/2		1/2	5,094.01	1/2	4,781.04	1/2	4,422.24	1/2	4,063.44	1/2	3,704.64	1/2	3,345.84	1/2	2,987.04	1/2	2,628.24
3/4		3/4		3/4		3/4	5,091.25	3/4	4,773.57	3/4	4,414.77	3/4	4,055.97	3/4	3,697.17	3/4	3,338.37	3/4	2,979.57	3/4	2,620.77

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 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28748"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04 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	2,613.29	0	2,254.49	0	1,895.69	0	1,536.89	0	1,178.09	0	819.29	0	460.92	0	126.60	0		0	
1/4	2,605.82	1/4	2,247.02	1/4	1,888.22	1/4	1,529.42	1/4	1,170.62	1/4	811.82	1/4	453.52	1/4	119.98	1/4		1/4	
1/2	2,598.34	1/2	2,239.54	1/2	1,880.74	1/2	1,521.94	1/2	1,163.14	1/2	804.34	1/2	446.21	1/2	113.45	1/2		1/2	
3/4	2,590.87	3/4	2,232.07	3/4	1,873.27	3/4	1,514.47	3/4	1,155.67	3/4	796.87	3/4	438.90	3/4	106.92	3/4		3/4	
1	2,583.39	1	2,224.59	1	1,865.79	1	1,506.99	1	1,148.19	1	789.39	1	431.59	1	100.40	1		1	
1/4	2,575.92	1/4	2,217.12	1/4	1,858.32	1/4	1,499.52	1/4	1,140.72	1/4	781.92	1/4	424.28	1/4	93.87	1/4		1/4	
1/2	2,568.44	1/2	2,209.64	1/2	1,850.84	1/2	1,492.04	1/2	1,133.24	1/2	774.44	1/2	417.00	1/2	87.37	1/2		1/2	
3/4	2,560.97	3/4	2,202.17	3/4	1,843.37	3/4	1,484.57	3/4	1,125.77	3/4	766.97	3/4	409.72	3/4	80.87	3/4		3/4	
2	2,553.49	2	2,194.69	2	1,835.89	2	1,477.09	2	1,118.29	2	759.49	2	402.44	2	74.38	2		2	
1/4	2,546.02	1/4	2,187.22	1/4	1,828.42	1/4	1,469.62	1/4	1,110.82	1/4	752.02	1/4	395.16	1/4	67.88	1/4		1/4	
1/2	2,538.54	1/2	2,179.74	1/2	1,820.94	1/2	1,462.14	1/2	1,103.34	1/2	744.54	1/2	388.01	1/2	61.54	1/2		1/2	
3/4	2,531.07	3/4	2,172.27	3/4	1,813.47	3/4	1,454.67	3/4	1,095.87	3/4	737.07	3/4	380.86	3/4	55.19	3/4		3/4	
3	2,523.59	3	2,164.79	3	1,805.99	3	1,447.19	3	1,088.39	3	729.59	3	373.71	3	48.85	3		3	
1/4	2,516.12	1/4	2,157.32	1/4	1,798.52	1/4	1,439.72	1/4	1,080.92	1/4	722.12	1/4	366.56	1/4	42.51	1/4		1/4	
1/2	2,508.64	1/2	2,149.84	1/2	1,791.04	1/2	1,432.24	1/2	1,073.44	1/2	714.64	1/2	359.45	1/2	37.45	1/2		1/2	
3/4	2,501.17	3/4	2,142.37	3/4	1,783.57	3/4	1,424.77	3/4	1,065.97	3/4	707.17	3/4	352.34	3/4	32.39	3/4		3/4	
4	2,493.69	4	2,134.89	4	1,776.09	4	1,417.29	4	1,058.49	4	699.69	4	345.24	4	27.34	4		4	
1/4	2,486.22	1/4	2,127.42	1/4	1,768.62	1/4	1,409.82	1/4	1,051.02	1/4	692.22	1/4	338.13	1/4	22.28	1/4		1/4	
1/2	2,478.74	1/2	2,119.94	1/2	1,761.14	1/2	1,402.34	1/2	1,043.54	1/2	684.74	1/2	331.11	1/2		1/2		1/2	
3/4	2,471.27	3/4	2,112.47	3/4	1,753.67	3/4	1,394.87	3/4	1,036.07	3/4	677.27	3/4	324.10	3/4		3/4		3/4	
5	2,463.79	5	2,104.99	5	1,746.19	5	1,387.39	5	1,028.59	5	669.79	5	317.08	5		5		5	
1/4	2,456.32	1/4	2,097.52	1/4	1,738.72	1/4	1,379.92	1/4	1,021.12	1/4	662.32	1/4	310.07	1/4		1/4		1/4	
1/2	2,448.84	1/2	2,090.04	1/2	1,731.24	1/2	1,372.44	1/2	1,013.64	1/2	654.84	1/2	303.09	1/2		1/2		1/2	
3/4	2,441.37	3/4	2,082.57	3/4	1,723.77	3/4	1,364.97	3/4	1,006.17	3/4	647.37	3/4	296.10	3/4		3/4		3/4	
6	2,433.89	6	2,075.09	6	1,716.29	6	1,357.49	6	998.69	6	639.89	6	289.12	6		6		6	
1/4	2,426.42	1/4	2,067.62	1/4	1,708.82	1/4	1,350.02	1/4	991.22	1/4	632.42	1/4	282.14	1/4		1/4		1/4	
1/2	2,418.94	1/2	2,060.14	1/2	1,701.34	1/2	1,342.54	1/2	983.74	1/2	624.94	1/2	275.24	1/2		1/2		1/2	
3/4	2,411.47	3/4	2,052.67	3/4	1,693.87	3/4	1,335.07	3/4	976.27	3/4	617.47	3/4	268.35	3/4		3/4		3/4	
7	2,403.99	7	2,045.19	7	1,686.39	7	1,327.59	7	968.79	7	609.99	7	261.45	7		7		7	
1/4	2,396.52	1/4	2,037.72	1/4	1,678.92	1/4	1,320.12	1/4	961.32	1/4	602.52	1/4	254.56	1/4		1/4		1/4	
1/2	2,389.04	1/2	2,030.24	1/2	1,671.44	1/2	1,312.64	1/2	953.84	1/2	595.04	1/2	247.70	1/2		1/2		1/2	
3/4	2,381.57	3/4	2,022.77	3/4	1,663.97	3/4	1,305.17	3/4	946.37	3/4	587.57	3/4	240.83	3/4		3/4		3/4	
8	2,374.09	8	2,015.29	8	1,656.49	8	1,297.69	8	938.89	8	580.09	8	233.97	8		8		8	
1/4	2,366.62	1/4	2,007.82	1/4	1,649.02	1/4	1,290.22	1/4	931.42	1/4	572.62	1/4	227.11	1/4		1/4		1/4	
1/2	2,359.14	1/2	2,000.34	1/2	1,641.54	1/2	1,282.74	1/2	923.94	1/2	565.14	1/2	220.34	1/2		1/2		1/2	
3/4	2,351.67	3/4	1,992.87	3/4	1,634.07	3/4	1,275.27	3/4	916.47	3/4	557.67	3/4	213.56	3/4		3/4		3/4	
9	2,344.19	9	1,985.39	9	1,626.59	9	1,267.79	9	908.99	9	550.19	9	206.79	9		9		9	
1/4	2,336.72	1/4	1,977.92	1/4	1,619.12	1/4	1,260.32	1/4	901.52	1/4	542.72	1/4	200.02	1/4		1/4		1/4	
1/2	2,329.24	1/2	1,970.44	1/2	1,611.64	1/2	1,252.84	1/2	894.04	1/2	535.24	1/2	193.50	1/2		1/2		1/2	
3/4	2,321.77	3/4	1,962.97	3/4	1,604.17	3/4	1,245.37	3/4	886.57	3/4	527.77	3/4	186.99	3/4		3/4		3/4	
10	2,314.29	10	1,955.49	10	1,596.69	10	1,237.89	10	879.09	10	520.29	10	180.47	10		10		10	
1/4	2,306.82	1/4	1,948.02	1/4	1,589.22	1/4	1,230.42	1/4	871.62	1/4	512.82	1/4	173.96	1/4		1/4		1/4	
1/2	2,299.34	1/2	1,940.54	1/2	1,581.74	1/2	1,222.94	1/2	864.14	1/2	505.40	1/2	167.08	1/2		1/2		1/2	
3/4	2,291.87	3/4	1,933.07	3/4	1,574.27	3/4	1,215.47	3/4	856.67	3/4	497.98	3/4	160.21	3/4		3/4		3/4	
11	2,284.39	11	1,925.59	11	1,566.79	11	1,207.99	11	849.19	11	490.56	11	153.33	11		11		11	
1/4	2,276.92	1/4	1,918.12	1/4	1,559.32	1/4	1,200.52	1/4	841.72	1/4	483.14	1/4	146.46	1/4		1/4		1/4	
1/2	2,269.44	1/2	1,910.64	1/2	1,551.84	1/2	1,193.04	1/2	834.24	1/2	475.73	1/2	139.84	1/2		1/2		1/2	
3/4	2,261.97	3/4	1,903.17	3/4	1,544.37	3/4	1,185.57	3/4	826.77	3/4	468.33	3/4	133.22	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2008 INSP
DECK MEASUREMENTS: 05/11/2017 SW
RECOMPUTED: 08/11/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2017

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



BARGE "KIRBY 28748"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,126.95	0	4,797.85	0	4,439.09	0	4,079.62	0	3,720.15	0	3,360.68	0	3,001.21
1/4		1/4		1/4		1/4	5,123.08	1/4	4,790.42	1/4	4,431.61	1/4	4,072.14	1/4	3,712.66	1/4	3,353.19	1/4	2,993.72
1/2		1/2		1/2		1/2	5,119.20	1/2	4,782.99	1/2	4,424.12	1/2	4,064.65	1/2	3,705.17	1/2	3,345.70	1/2	2,986.23
3/4		3/4		3/4		3/4	5,115.32	3/4	4,775.56	3/4	4,416.63	3/4	4,057.16	3/4	3,697.68	3/4	3,338.21	3/4	2,978.74
1		1		1		1	5,110.34	1	4,768.13	1	4,409.14	1	4,049.67	1	3,690.19	1	3,330.72	1	2,970.75
1/4		1/4		1/4		1/4	5,105.35	1/4	4,760.70	1/4	4,401.65	1/4	4,042.18	1/4	3,682.71	1/4	3,323.24	1/4	2,962.76
1/2		1/2		1/2		1/2	5,100.37	1/2	4,753.27	1/2	4,394.16	1/2	4,034.69	1/2	3,675.22	1/2	3,315.75	1/2	2,954.77
3/4		3/4		3/4		3/4	5,095.38	3/4	4,745.84	3/4	4,386.67	3/4	4,027.20	3/4	3,667.73	3/4	3,308.26	3/4	2,946.78
2		2		2		2	5,089.30	2	4,738.41	2	4,379.18	2	4,019.71	2	3,660.24	2	3,300.77	2	2,939.79
1/4		1/4		1/4		1/4	5,083.22	1/4	4,730.99	1/4	4,371.70	1/4	4,012.22	1/4	3,652.75	1/4	3,293.28	1/4	2,932.81
1/2		1/2		1/2		1/2	5,077.14	1/2	4,723.56	1/2	4,364.21	1/2	4,004.73	1/2	3,645.26	1/2	3,285.79	1/2	2,925.82
3/4		3/4		3/4		3/4	5,071.06	3/4	4,716.13	3/4	4,356.72	3/4	3,997.24	3/4	3,637.77	3/4	3,278.30	3/4	2,918.83
3		3		3		3	5,064.05	3	4,708.66	3	4,349.23	3	3,989.75	3	3,630.28	3	3,270.81	3	2,911.34
1/4		1/4		1/4		1/4	5,057.03	1/4	4,701.18	1/4	4,341.74	1/4	3,982.27	1/4	3,622.80	1/4	3,263.32	1/4	2,903.85
1/2		1/2		1/2		1/2	5,050.02	1/2	4,693.71	1/2	4,334.25	1/2	3,974.78	1/2	3,615.31	1/2	3,255.83	1/2	2,896.36
3/4		3/4		3/4		3/4	5,043.00	3/4	4,686.23	3/4	4,326.76	3/4	3,967.29	3/4	3,607.82	3/4	3,248.34	3/4	2,888.87
4		4		4		4	5,035.57	4	4,678.74	4	4,319.27	4	3,959.80	4	3,600.33	4	3,240.85	4	2,881.38
1/4		1/4		1/4		1/4	5,028.15	1/4	4,671.26	1/4	4,311.78	1/4	3,952.31	1/4	3,592.84	1/4	3,233.37	1/4	2,873.90
1/2		1/2		1/2		1/2	5,020.72	1/2	4,663.77	1/2	4,304.29	1/2	3,944.82	1/2	3,585.35	1/2	3,225.88	1/2	2,866.41
3/4		3/4		3/4		3/4	5,013.29	3/4	4,656.28	3/4	4,296.80	3/4	3,937.33	3/4	3,577.86	3/4	3,218.39	3/4	2,858.92
5		5		5		5	5,005.86	5	4,648.79	5	4,289.31	5	3,929.84	5	3,570.37	5	3,210.90	5	2,851.43
1/4		1/4		1/4		1/4	4,998.43	1/4	4,641.30	1/4	4,281.83	1/4	3,922.36	1/4	3,562.88	1/4	3,203.41	1/4	2,843.94
1/2		1/2		1/2		1/2	4,991.00	1/2	4,633.81	1/2	4,274.34	1/2	3,914.87	1/2	3,555.39	1/2	3,195.92	1/2	2,836.45
3/4		3/4		3/4		3/4	4,983.57	3/4	4,626.32	3/4	4,266.85	3/4	3,907.38	3/4	3,547.90	3/4	3,188.43	3/4	2,828.96
6		6		6		6	4,976.14	6	4,618.83	6	4,259.36	6	3,899.89	6	3,540.41	6	3,180.94	6	2,821.47
1/4		1/4		1/4		1/4	4,968.72	1/4	4,611.34	1/4	4,251.87	1/4	3,892.40	1/4	3,532.93	1/4	3,173.46	1/4	2,813.98
1/2		1/2		1/2		1/2	4,961.29	1/2	4,603.85	1/2	4,244.38	1/2	3,884.91	1/2	3,525.44	1/2	3,165.97	1/2	2,806.49
3/4		3/4		3/4		3/4	4,953.86	3/4	4,596.36	3/4	4,236.89	3/4	3,877.42	3/4	3,517.95	3/4	3,158.48	3/4	2,799.00
7		7		7		7	4,946.43	7	4,588.87	7	4,229.40	7	3,869.93	7	3,510.46	7	3,150.99	7	2,791.51
1/4		1/4		1/4		1/4	4,939.00	1/4	4,581.39	1/4	4,221.92	1/4	3,862.44	1/4	3,502.97	1/4	3,143.50	1/4	2,784.03
1/2		1/2		1/2		1/2	4,931.57	1/2	4,573.90	1/2	4,214.43	1/2	3,854.95	1/2	3,495.48	1/2	3,136.01	1/2	2,776.54
3/4		3/4		3/4		3/4	4,924.14	3/4	4,566.41	3/4	4,206.94	3/4	3,847.46	3/4	3,487.99	3/4	3,128.52	3/4	2,769.05
8		8		8		8	4,916.71	8	4,558.92	8	4,199.45	8	3,839.97	8	3,480.50	8	3,121.03	8	2,761.56
1/4		1/4		1/4		1/4	4,909.28	1/4	4,551.43	1/4	4,191.96	1/4	3,832.49	1/4	3,473.02	1/4	3,113.54	1/4	2,754.07
1/2		1/2		1/2		1/2	4,901.85	1/2	4,543.94	1/2	4,184.47	1/2	3,825.00	1/2	3,465.53	1/2	3,106.05	1/2	2,746.58
3/4		3/4		3/4		3/4	5,151.16	3/4	4,894.42	3/4	4,536.45	3/4	4,176.98	3/4	3,817.51	3/4	3,458.04	3/4	3,098.56
9		9		9		9	5,150.51	9	4,886.99	9	4,528.96	9	4,169.49	9	3,810.02	9	3,450.55	9	3,091.07
1/4		1/4		1/4		1/4	5,149.85	1/4	4,879.57	1/4	4,521.48	1/4	4,162.00	1/4	3,802.53	1/4	3,443.06	1/4	3,083.59
1/2		1/2		1/2		1/2	5,149.20	1/2	4,872.14	1/2	4,513.99	1/2	4,154.51	1/2	3,795.04	1/2	3,435.57	1/2	3,076.10
3/4		3/4		3/4		3/4	5,148.54	3/4	4,864.71	3/4	4,506.50	3/4	4,147.02	3/4	3,787.55	3/4	3,428.08	3/4	3,068.61
10		10		10		10	5,146.88	10	4,857.28	10	4,499.01	10	4,139.53	10	3,780.06	10	3,420.59	10	3,061.12
1/4		1/4		1/4		1/4	5,145.23	1/4	4,849.85	1/4	4,491.52	1/4	4,132.05	1/4	3,772.58	1/4	3,413.10	1/4	3,053.63
1/2		1/2		1/2		1/2	5,143.57	1/2	4,842.42	1/2	4,484.03	1/2	4,124.56	1/2	3,765.09	1/2	3,405.61	1/2	3,046.14
3/4		3/4		3/4		3/4	5,141.91	3/4	4,834.99	3/4	4,476.54	3/4	4,117.07	3/4	3,757.60	3/4	3,398.12	3/4	3,038.65
11		11		11		11	5,139.14	11	4,827.56	11	4,469.05	11	4,109.58	11	3,750.11	11	3,390.63	11	3,031.16
1/4		1/4		1/4		1/4	5,136.37	1/4	4,820.14	1/4	4,461.56	1/4	4,102.09	1/4	3,742.62	1/4	3,383.15	1/4	3,023.68
1/2		1/2		1/2		1/2	5,133.60	1/2	4,812.71	1/2	4,454.07	1/2	4,094.60	1/2	3,735.13	1/2	3,375.66	1/2	3,016.19
3/4		3/4		3/4		3/4	5,130.83	3/4	4,805.28	3/4	4,446.58	3/4	4,087.11	3/4	3,727.64	3/4	3,368.17	3/4	3,008.70

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28748"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,641.73	0	2,282.26	0	1,922.79	0	1,563.32	0	1,203.85	0	844.37	0	484.90	0	127.60	0		0	
1/4	2,634.25	1/4	2,274.78	1/4	1,915.30	1/4	1,555.83	1/4	1,196.35	1/4	836.89	1/4	477.42	1/4	120.16	1/4		1/4	
1/2	2,626.76	1/2	2,267.29	1/2	1,907.81	1/2	1,548.34	1/2	1,188.86	1/2	829.40	1/2	469.93	1/2	112.73	1/2		1/2	
3/4	2,619.27	3/4	2,259.80	3/4	1,900.32	3/4	1,540.85	3/4	1,181.36	3/4	821.91	3/4	462.44	3/4	105.29	3/4		3/4	
1	2,611.78	1	2,252.31	1	1,892.83	1	1,533.36	1	1,173.88	1	814.42	1	454.95	1	97.86	1		1	
1/4	2,604.29	1/4	2,244.82	1/4	1,885.35	1/4	1,525.88	1/4	1,166.39	1/4	806.93	1/4	447.46	1/4	90.42	1/4		1/4	
1/2	2,596.80	1/2	2,237.33	1/2	1,877.86	1/2	1,518.39	1/2	1,158.91	1/2	799.44	1/2	439.97	1/2	82.99	1/2		1/2	
3/4	2,589.31	3/4	2,229.84	3/4	1,870.37	3/4	1,510.90	3/4	1,151.42	3/4	791.95	3/4	432.48	3/4	75.55	3/4		3/4	
2	2,581.82	2	2,222.35	2	1,862.88	2	1,503.41	2	1,143.93	2	784.46	2	425.03	2	68.21	2		2	
1/4	2,574.34	1/4	2,214.86	1/4	1,855.39	1/4	1,495.92	1/4	1,136.45	1/4	776.98	1/4	417.59	1/4	60.87	1/4		1/4	
1/2	2,566.85	1/2	2,207.37	1/2	1,847.90	1/2	1,488.43	1/2	1,128.96	1/2	769.49	1/2	410.14	1/2	53.53	1/2		1/2	
3/4	2,559.36	3/4	2,199.88	3/4	1,840.41	3/4	1,480.94	3/4	1,121.47	3/4	762.00	3/4	402.69	3/4	46.19	3/4		3/4	
3	2,551.87	3	2,192.39	3	1,832.92	3	1,473.45	3	1,113.98	3	754.51	3	395.26	3	40.45	3		3	
1/4	2,544.38	1/4	2,184.91	1/4	1,825.44	1/4	1,465.96	1/4	1,106.49	1/4	747.02	1/4	387.82	1/4	34.70	1/4		1/4	
1/2	2,536.89	1/2	2,177.42	1/2	1,817.95	1/2	1,458.47	1/2	1,099.00	1/2	739.53	1/2	380.39	1/2	28.96	1/2		1/2	
3/4	2,529.40	3/4	2,169.93	3/4	1,810.46	3/4	1,450.98	3/4	1,091.51	3/4	732.04	3/4	372.95	3/4	23.21	3/4		3/4	
4	2,521.91	4	2,162.44	4	1,802.97	4	1,443.49	4	1,084.02	4	724.55	4	365.52	4		4		4	
1/4	2,514.42	1/4	2,154.95	1/4	1,795.48	1/4	1,436.01	1/4	1,076.54	1/4	717.06	1/4	358.08	1/4		1/4		1/4	
1/2	2,506.93	1/2	2,147.46	1/2	1,787.99	1/2	1,428.52	1/2	1,069.05	1/2	709.57	1/2	350.65	1/2		1/2		1/2	
3/4	2,499.44	3/4	2,139.97	3/4	1,780.50	3/4	1,421.03	3/4	1,061.56	3/4	702.08	3/4	343.21	3/4		3/4		3/4	
5	2,491.95	5	2,132.48	5	1,773.01	5	1,413.54	5	1,054.07	5	694.59	5	335.78	5		5		5	
1/4	2,484.47	1/4	2,125.00	1/4	1,765.52	1/4	1,406.05	1/4	1,046.58	1/4	687.11	1/4	328.34	1/4		1/4		1/4	
1/2	2,476.98	1/2	2,117.51	1/2	1,758.03	1/2	1,398.56	1/2	1,039.09	1/2	679.62	1/2	320.91	1/2		1/2		1/2	
3/4	2,469.49	3/4	2,110.02	3/4	1,750.54	3/4	1,391.07	3/4	1,031.60	3/4	672.13	3/4	313.47	3/4		3/4		3/4	
6	2,462.00	6	2,102.53	6	1,743.05	6	1,383.58	6	1,024.11	6	664.64	6	306.04	6		6		6	
1/4	2,454.51	1/4	2,095.04	1/4	1,735.57	1/4	1,376.10	1/4	1,016.62	1/4	657.15	1/4	298.60	1/4		1/4		1/4	
1/2	2,447.02	1/2	2,087.55	1/2	1,728.08	1/2	1,368.61	1/2	1,009.13	1/2	649.66	1/2	291.17	1/2		1/2		1/2	
3/4	2,439.53	3/4	2,080.06	3/4	1,720.59	3/4	1,361.12	3/4	1,001.64	3/4	642.17	3/4	283.73	3/4		3/4		3/4	
7	2,432.04	7	2,072.57	7	1,713.10	7	1,353.63	7	994.15	7	634.68	7	276.30	7		7		7	
1/4	2,424.56	1/4	2,065.08	1/4	1,705.61	1/4	1,346.14	1/4	986.67	1/4	627.20	1/4	268.86	1/4		1/4		1/4	
1/2	2,417.07	1/2	2,057.59	1/2	1,698.12	1/2	1,338.65	1/2	979.18	1/2	619.71	1/2	261.43	1/2		1/2		1/2	
3/4	2,409.58	3/4	2,050.10	3/4	1,690.63	3/4	1,331.16	3/4	971.69	3/4	612.22	3/4	253.99	3/4		3/4		3/4	
8	2,402.09	8	2,042.61	8	1,683.14	8	1,323.69	8	964.20	8	604.73	8	246.56	8		8		8	
1/4	2,394.60	1/4	2,035.13	1/4	1,675.66	1/4	1,316.23	1/4	956.71	1/4	597.24	1/4	239.12	1/4		1/4		1/4	
1/2	2,387.11	1/2	2,027.64	1/2	1,668.17	1/2	1,308.76	1/2	949.22	1/2	589.75	1/2	231.69	1/2		1/2		1/2	
3/4	2,379.62	3/4	2,020.15	3/4	1,660.68	3/4	1,301.29	3/4	941.73	3/4	582.26	3/4	224.25	3/4		3/4		3/4	
9	2,372.13	9	2,012.66	9	1,653.19	9	1,293.78	9	934.24	9	574.77	9	216.82	9		9		9	
1/4	2,364.64	1/4	2,005.17	1/4	1,645.70	1/4	1,286.27	1/4	926.76	1/4	567.28	1/4	209.38	1/4		1/4		1/4	
1/2	2,357.15	1/2	1,997.68	1/2	1,638.21	1/2	1,278.76	1/2	919.27	1/2	559.79	1/2	201.95	1/2		1/2		1/2	
3/4	2,349.66	3/4	1,990.19	3/4	1,630.72	3/4	1,271.25	3/4	911.78	3/4	552.30	3/4	194.51	3/4		3/4		3/4	
10	2,342.17	10	1,982.70	10	1,623.23	10	1,263.76	10	904.29	10	544.81	10	187.08	10		10		10	
1/4	2,334.69	1/4	1,975.22	1/4	1,615.74	1/4	1,256.27	1/4	896.80	1/4	537.33	1/4	179.64	1/4		1/4		1/4	
1/2	2,327.20	1/2	1,967.73	1/2	1,608.25	1/2	1,248.78	1/2	889.31	1/2	529.84	1/2	172.21	1/2		1/2		1/2	
3/4	2,319.71	3/4	1,960.24	3/4	1,600.76	3/4	1,241.29	3/4	881.82	3/4	522.35	3/4	164.77	3/4		3/4		3/4	
11	2,312.22	11	1,952.75	11	1,593.27	11	1,233.80	11	874.33	11	514.86	11	157.34	11		11		11	
1/4	2,304.73	1/4	1,945.26	1/4	1,585.79	1/4	1,226.32	1/4	866.84	1/4	507.37	1/4	149.90	1/4		1/4		1/4	
1/2	2,297.24	1/2	1,937.77	1/2	1,578.30	1/2	1,218.83	1/2	859.35	1/2	499.88	1/2	142.47	1/2		1/2		1/2	
3/4	2,289.75	3/4	1,930.28	3/4	1,570.81	3/4	1,211.34	3/4	851.86	3/4	492.39	3/4	135.03	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2008 INSP
DECK MEASUREMENTS: 05/11/2017 SW
RECOMPUTED: 08/11/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2017

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



BARGE "KIRBY 28748"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,126.95	0	4,797.85	0	4,439.09	0	4,079.62	0	3,720.15	0	3,360.68	0	3,001.21
1/4		1/4		1/4		1/4	5,123.08	1/4	4,790.42	1/4	4,431.61	1/4	4,072.14	1/4	3,712.66	1/4	3,353.19	1/4	2,993.72
1/2		1/2		1/2		1/2	5,119.20	1/2	4,782.99	1/2	4,424.12	1/2	4,064.65	1/2	3,705.17	1/2	3,345.70	1/2	2,986.23
3/4		3/4		3/4		3/4	5,115.32	3/4	4,775.56	3/4	4,416.63	3/4	4,057.16	3/4	3,697.68	3/4	3,338.21	3/4	2,978.74
1		1		1		1	5,110.34	1	4,768.13	1	4,409.14	1	4,049.67	1	3,690.19	1	3,330.72	1	2,970.75
1/4		1/4		1/4		1/4	5,105.35	1/4	4,760.70	1/4	4,401.65	1/4	4,042.18	1/4	3,682.71	1/4	3,323.24	1/4	2,962.76
1/2		1/2		1/2		1/2	5,100.37	1/2	4,753.27	1/2	4,394.16	1/2	4,034.69	1/2	3,675.22	1/2	3,315.75	1/2	2,954.77
3/4		3/4		3/4		3/4	5,095.38	3/4	4,745.84	3/4	4,386.67	3/4	4,027.20	3/4	3,667.73	3/4	3,308.26	3/4	2,946.78
2		2		2		2	5,089.30	2	4,738.41	2	4,379.18	2	4,019.71	2	3,660.24	2	3,300.77	2	2,939.79
1/4		1/4		1/4		1/4	5,083.22	1/4	4,730.99	1/4	4,371.70	1/4	4,012.22	1/4	3,652.75	1/4	3,293.28	1/4	2,932.81
1/2		1/2		1/2		1/2	5,077.14	1/2	4,723.56	1/2	4,364.21	1/2	4,004.73	1/2	3,645.26	1/2	3,285.79	1/2	2,925.82
3/4		3/4		3/4		3/4	5,071.06	3/4	4,716.13	3/4	4,356.72	3/4	3,997.24	3/4	3,637.77	3/4	3,278.30	3/4	2,918.83
3		3		3		3	5,064.05	3	4,708.66	3	4,349.23	3	3,989.75	3	3,630.28	3	3,270.81	3	2,911.34
1/4		1/4		1/4		1/4	5,057.03	1/4	4,701.18	1/4	4,341.74	1/4	3,982.27	1/4	3,622.80	1/4	3,263.32	1/4	2,903.85
1/2		1/2		1/2		1/2	5,050.02	1/2	4,693.71	1/2	4,334.25	1/2	3,974.78	1/2	3,615.31	1/2	3,255.83	1/2	2,896.36
3/4		3/4		3/4		3/4	5,043.00	3/4	4,686.23	3/4	4,326.76	3/4	3,967.29	3/4	3,607.82	3/4	3,248.34	3/4	2,888.87
4		4		4		4	5,035.57	4	4,678.74	4	4,319.27	4	3,959.80	4	3,600.33	4	3,240.85	4	2,881.38
1/4		1/4		1/4		1/4	5,028.15	1/4	4,671.26	1/4	4,311.78	1/4	3,952.31	1/4	3,592.84	1/4	3,233.37	1/4	2,873.90
1/2		1/2		1/2		1/2	5,020.72	1/2	4,663.77	1/2	4,304.29	1/2	3,944.82	1/2	3,585.35	1/2	3,225.88	1/2	2,866.41
3/4		3/4		3/4		3/4	5,013.29	3/4	4,656.28	3/4	4,296.80	3/4	3,937.33	3/4	3,577.86	3/4	3,218.39	3/4	2,858.92
5		5		5		5	5,005.86	5	4,648.79	5	4,289.31	5	3,929.84	5	3,570.37	5	3,210.90	5	2,851.43
1/4		1/4		1/4		1/4	4,998.43	1/4	4,641.30	1/4	4,281.83	1/4	3,922.36	1/4	3,562.88	1/4	3,203.41	1/4	2,843.94
1/2		1/2		1/2		1/2	4,991.00	1/2	4,633.81	1/2	4,274.34	1/2	3,914.87	1/2	3,555.39	1/2	3,195.92	1/2	2,836.45
3/4		3/4		3/4		3/4	4,983.57	3/4	4,626.32	3/4	4,266.85	3/4	3,907.38	3/4	3,547.90	3/4	3,188.43	3/4	2,828.96
6		6		6		6	4,976.14	6	4,618.83	6	4,259.36	6	3,899.89	6	3,540.41	6	3,180.94	6	2,821.47
1/4		1/4		1/4		1/4	4,968.72	1/4	4,611.34	1/4	4,251.87	1/4	3,892.40	1/4	3,532.93	1/4	3,173.46	1/4	2,813.98
1/2		1/2		1/2		1/2	4,961.29	1/2	4,603.85	1/2	4,244.38	1/2	3,884.91	1/2	3,525.44	1/2	3,165.97	1/2	2,806.49
3/4		3/4		3/4		3/4	4,953.86	3/4	4,596.36	3/4	4,236.89	3/4	3,877.42	3/4	3,517.95	3/4	3,158.48	3/4	2,799.00
7		7		7		7	4,946.43	7	4,588.87	7	4,229.40	7	3,869.93	7	3,510.46	7	3,150.99	7	2,791.51
1/4		1/4		1/4		1/4	4,939.00	1/4	4,581.39	1/4	4,221.92	1/4	3,862.44	1/4	3,502.97	1/4	3,143.50	1/4	2,784.03
1/2		1/2		1/2		1/2	4,931.57	1/2	4,573.90	1/2	4,214.43	1/2	3,854.95	1/2	3,495.48	1/2	3,136.01	1/2	2,776.54
3/4		3/4		3/4		3/4	4,924.14	3/4	4,566.41	3/4	4,206.94	3/4	3,847.46	3/4	3,487.99	3/4	3,128.52	3/4	2,769.05
8		8		8		8	4,916.71	8	4,558.92	8	4,199.45	8	3,839.97	8	3,480.50	8	3,121.03	8	2,761.56
1/4		1/4		1/4		1/4	4,909.28	1/4	4,551.43	1/4	4,191.96	1/4	3,832.49	1/4	3,473.02	1/4	3,113.54	1/4	2,754.07
1/2		1/2		1/2		1/2	4,901.85	1/2	4,543.94	1/2	4,184.47	1/2	3,825.00	1/2	3,465.53	1/2	3,106.05	1/2	2,746.58
3/4		3/4		3/4		3/4	5,151.16	3/4	4,894.42	3/4	4,536.45	3/4	4,176.98	3/4	3,817.51	3/4	3,458.04	3/4	3,098.56
9		9		9		9	5,150.51	9	4,886.99	9	4,528.96	9	4,169.49	9	3,810.02	9	3,450.55	9	3,091.07
1/4		1/4		1/4		1/4	5,149.85	1/4	4,879.57	1/4	4,521.48	1/4	4,162.00	1/4	3,802.53	1/4	3,443.06	1/4	3,083.59
1/2		1/2		1/2		1/2	5,149.20	1/2	4,872.14	1/2	4,513.99	1/2	4,154.51	1/2	3,795.04	1/2	3,435.57	1/2	3,076.10
3/4		3/4		3/4		3/4	5,148.54	3/4	4,864.71	3/4	4,506.50	3/4	4,147.02	3/4	3,787.55	3/4	3,428.08	3/4	3,068.61
10		10		10		10	5,146.88	10	4,857.28	10	4,499.01	10	4,139.53	10	3,780.06	10	3,420.59	10	3,061.12
1/4		1/4		1/4		1/4	5,145.23	1/4	4,849.85	1/4	4,491.52	1/4	4,132.05	1/4	3,772.58	1/4	3,413.10	1/4	3,053.63
1/2		1/2		1/2		1/2	5,143.57	1/2	4,842.42	1/2	4,484.03	1/2	4,124.56	1/2	3,765.09	1/2	3,405.61	1/2	3,046.14
3/4		3/4		3/4		3/4	5,141.91	3/4	4,834.99	3/4	4,476.54	3/4	4,117.07	3/4	3,757.60	3/4	3,398.12	3/4	3,038.65
11		11		11		11	5,139.14	11	4,827.56	11	4,469.05	11	4,109.58	11	3,750.11	11	3,390.63	11	3,031.16
1/4		1/4		1/4		1/4	5,136.37	1/4	4,820.14	1/4	4,461.56	1/4	4,102.09	1/4	3,742.62	1/4	3,383.15	1/4	3,023.68
1/2		1/2		1/2		1/2	5,133.60	1/2	4,812.71	1/2	4,454.07	1/2	4,094.60	1/2	3,735.13	1/2	3,375.66	1/2	3,016.19
3/4		3/4		3/4		3/4	5,130.83	3/4	4,805.28	3/4	4,446.58	3/4	4,087.11	3/4	3,727.64	3/4	3,368.17	3/4	3,008.70

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28748"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,641.73	0	2,282.26	0	1,922.79	0	1,563.32	0	1,203.85	0	844.37	0	484.90	0	127.60	0		0	
1/4	2,634.25	1/4	2,274.78	1/4	1,915.30	1/4	1,555.83	1/4	1,196.35	1/4	836.89	1/4	477.42	1/4	120.16	1/4		1/4	
1/2	2,626.76	1/2	2,267.29	1/2	1,907.81	1/2	1,548.34	1/2	1,188.86	1/2	829.40	1/2	469.93	1/2	112.73	1/2		1/2	
3/4	2,619.27	3/4	2,259.80	3/4	1,900.32	3/4	1,540.85	3/4	1,181.36	3/4	821.91	3/4	462.44	3/4	105.29	3/4		3/4	
1	2,611.78	1	2,252.31	1	1,892.83	1	1,533.36	1	1,173.88	1	814.42	1	454.95	1	97.86	1		1	
1/4	2,604.29	1/4	2,244.82	1/4	1,885.35	1/4	1,525.88	1/4	1,166.39	1/4	806.93	1/4	447.46	1/4	90.42	1/4		1/4	
1/2	2,596.80	1/2	2,237.33	1/2	1,877.86	1/2	1,518.39	1/2	1,158.91	1/2	799.44	1/2	439.97	1/2	82.99	1/2		1/2	
3/4	2,589.31	3/4	2,229.84	3/4	1,870.37	3/4	1,510.90	3/4	1,151.42	3/4	791.95	3/4	432.48	3/4	75.55	3/4		3/4	
2	2,581.82	2	2,222.35	2	1,862.88	2	1,503.41	2	1,143.93	2	784.46	2	425.03	2	68.21	2		2	
1/4	2,574.34	1/4	2,214.86	1/4	1,855.39	1/4	1,495.92	1/4	1,136.45	1/4	776.98	1/4	417.59	1/4	60.87	1/4		1/4	
1/2	2,566.85	1/2	2,207.37	1/2	1,847.90	1/2	1,488.43	1/2	1,128.96	1/2	769.49	1/2	410.14	1/2	53.53	1/2		1/2	
3/4	2,559.36	3/4	2,199.88	3/4	1,840.41	3/4	1,480.94	3/4	1,121.47	3/4	762.00	3/4	402.69	3/4	46.19	3/4		3/4	
3	2,551.87	3	2,192.39	3	1,832.92	3	1,473.45	3	1,113.98	3	754.51	3	395.26	3	40.45	3		3	
1/4	2,544.38	1/4	2,184.91	1/4	1,825.44	1/4	1,465.96	1/4	1,106.49	1/4	747.02	1/4	387.82	1/4	34.70	1/4		1/4	
1/2	2,536.89	1/2	2,177.42	1/2	1,817.95	1/2	1,458.47	1/2	1,099.00	1/2	739.53	1/2	380.39	1/2	28.96	1/2		1/2	
3/4	2,529.40	3/4	2,169.93	3/4	1,810.46	3/4	1,450.98	3/4	1,091.51	3/4	732.04	3/4	372.95	3/4	23.21	3/4		3/4	
4	2,521.91	4	2,162.44	4	1,802.97	4	1,443.49	4	1,084.02	4	724.55	4	365.52	4		4		4	
1/4	2,514.42	1/4	2,154.95	1/4	1,795.48	1/4	1,436.01	1/4	1,076.54	1/4	717.06	1/4	358.08	1/4		1/4		1/4	
1/2	2,506.93	1/2	2,147.46	1/2	1,787.99	1/2	1,428.52	1/2	1,069.05	1/2	709.57	1/2	350.65	1/2		1/2		1/2	
3/4	2,499.44	3/4	2,139.97	3/4	1,780.50	3/4	1,421.03	3/4	1,061.56	3/4	702.08	3/4	343.21	3/4		3/4		3/4	
5	2,491.95	5	2,132.48	5	1,773.01	5	1,413.54	5	1,054.07	5	694.59	5	335.78	5		5		5	
1/4	2,484.47	1/4	2,125.00	1/4	1,765.52	1/4	1,406.05	1/4	1,046.58	1/4	687.11	1/4	328.34	1/4		1/4		1/4	
1/2	2,476.98	1/2	2,117.51	1/2	1,758.03	1/2	1,398.56	1/2	1,039.09	1/2	679.62	1/2	320.91	1/2		1/2		1/2	
3/4	2,469.49	3/4	2,110.02	3/4	1,750.54	3/4	1,391.07	3/4	1,031.60	3/4	672.13	3/4	313.47	3/4		3/4		3/4	
6	2,462.00	6	2,102.53	6	1,743.05	6	1,383.58	6	1,024.11	6	664.64	6	306.04	6		6		6	
1/4	2,454.51	1/4	2,095.04	1/4	1,735.57	1/4	1,376.10	1/4	1,016.62	1/4	657.15	1/4	298.60	1/4		1/4		1/4	
1/2	2,447.02	1/2	2,087.55	1/2	1,728.08	1/2	1,368.61	1/2	1,009.13	1/2	649.66	1/2	291.17	1/2		1/2		1/2	
3/4	2,439.53	3/4	2,080.06	3/4	1,720.59	3/4	1,361.12	3/4	1,001.64	3/4	642.17	3/4	283.73	3/4		3/4		3/4	
7	2,432.04	7	2,072.57	7	1,713.10	7	1,353.63	7	994.15	7	634.68	7	276.30	7		7		7	
1/4	2,424.56	1/4	2,065.08	1/4	1,705.61	1/4	1,346.14	1/4	986.67	1/4	627.20	1/4	268.86	1/4		1/4		1/4	
1/2	2,417.07	1/2	2,057.59	1/2	1,698.12	1/2	1,338.65	1/2	979.18	1/2	619.71	1/2	261.43	1/2		1/2		1/2	
3/4	2,409.58	3/4	2,050.10	3/4	1,690.63	3/4	1,331.16	3/4	971.69	3/4	612.22	3/4	253.99	3/4		3/4		3/4	
8	2,402.09	8	2,042.61	8	1,683.14	8	1,323.69	8	964.20	8	604.73	8	246.56	8		8		8	
1/4	2,394.60	1/4	2,035.13	1/4	1,675.66	1/4	1,316.23	1/4	956.71	1/4	597.24	1/4	239.12	1/4		1/4		1/4	
1/2	2,387.11	1/2	2,027.64	1/2	1,668.17	1/2	1,308.76	1/2	949.22	1/2	589.75	1/2	231.69	1/2		1/2		1/2	
3/4	2,379.62	3/4	2,020.15	3/4	1,660.68	3/4	1,301.29	3/4	941.73	3/4	582.26	3/4	224.25	3/4		3/4		3/4	
9	2,372.13	9	2,012.66	9	1,653.19	9	1,293.78	9	934.24	9	574.77	9	216.82	9		9		9	
1/4	2,364.64	1/4	2,005.17	1/4	1,645.70	1/4	1,286.27	1/4	926.76	1/4	567.28	1/4	209.38	1/4		1/4		1/4	
1/2	2,357.15	1/2	1,997.68	1/2	1,638.21	1/2	1,278.76	1/2	919.27	1/2	559.79	1/2	201.95	1/2		1/2		1/2	
3/4	2,349.66	3/4	1,990.19	3/4	1,630.72	3/4	1,271.25	3/4	911.78	3/4	552.30	3/4	194.51	3/4		3/4		3/4	
10	2,342.17	10	1,982.70	10	1,623.23	10	1,263.76	10	904.29	10	544.81	10	187.08	10		10		10	
1/4	2,334.69	1/4	1,975.22	1/4	1,615.74	1/4	1,256.27	1/4	896.80	1/4	537.33	1/4	179.64	1/4		1/4		1/4	
1/2	2,327.20	1/2	1,967.73	1/2	1,608.25	1/2	1,248.78	1/2	889.31	1/2	529.84	1/2	172.21	1/2		1/2		1/2	
3/4	2,319.71	3/4	1,960.24	3/4	1,600.76	3/4	1,241.29	3/4	881.82	3/4	522.35	3/4	164.77	3/4		3/4		3/4	
11	2,312.22	11	1,952.75	11	1,593.27	11	1,233.80	11	874.33	11	514.86	11	157.34	11		11		11	
1/4	2,304.73	1/4	1,945.26	1/4	1,585.79	1/4	1,226.32	1/4	866.84	1/4	507.37	1/4	149.90	1/4		1/4		1/4	
1/2	2,297.24	1/2	1,937.77	1/2	1,578.30	1/2	1,218.83	1/2	859.35	1/2	499.88	1/2	142.47	1/2		1/2		1/2	
3/4	2,289.75	3/4	1,930.28	3/4	1,570.81	3/4	1,211.34	3/4	851.86	3/4	492.39	3/4	135.03	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2008 INSP
DECK MEASUREMENTS: 05/11/2017 SW
RECOMPUTED: 08/11/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2017

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



BARGE "KIRBY 28748"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04 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	4,113.90	0	3,991.33	0	3,854.91	0	3,718.42	0	3,582.08	0	3,350.79	0	2,993.33		
1/4		1/4		1/4		1/4	4,112.85	1/4	3,988.49	1/4	3,852.07	1/4	3,715.56	1/4	3,579.24	1/4	3,343.34	1/4	2,985.89		
1/2		1/2		1/2		1/2	4,111.38	1/2	3,985.65	1/2	3,849.23	1/2	3,712.74	1/2	3,576.40	1/2	3,335.89	1/2	2,978.44		
3/4		3/4		3/4		3/4	4,109.92	3/4	3,982.80	3/4	3,846.38	3/4	3,709.92	3/4	3,573.55	3/4	3,328.44	3/4	2,970.99		
1		1		1		1	4,108.45	1	3,979.96	1	3,843.54	1	3,707.11	1	3,570.71	1	3,321.00	1	2,963.55		
1/4		1/4		1/4		1/4	4,106.98	1/4	3,977.12	1/4	3,840.70	1/4	3,704.29	1/4	3,567.87	1/4	3,313.55	1/4	2,956.10		
1/2		1/2		1/2		1/2	4,105.09	1/2	3,974.28	1/2	3,837.86	1/2	3,701.45	1/2	3,565.03	1/2	3,306.10	1/2	2,948.65		
3/4		3/4		3/4		3/4	4,103.20	3/4	3,971.43	3/4	3,835.02	3/4	3,698.60	3/4	3,562.18	3/4	3,298.66	3/4	2,941.20		
2		2		2		2	4,101.31	2	3,968.59	2	3,832.18	2	3,695.76	2	3,559.34	2	3,291.21	2	2,933.76		
1/4		1/4		1/4		1/4	4,099.42	1/4	3,965.75	1/4	3,829.34	1/4	3,692.92	1/4	3,556.50	1/4	3,283.77	1/4	2,926.31		
1/2		1/2		1/2		1/2	4,097.11	1/2	3,962.91	1/2	3,826.50	1/2	3,690.08	1/2	3,553.66	1/2	3,276.32	1/2	2,918.86		
3/4		3/4		3/4		3/4	4,094.79	3/4	3,960.06	3/4	3,823.65	3/4	3,687.23	3/4	3,550.82	3/4	3,268.87	3/4	2,911.41		
3		3		3		3	4,092.48	3	3,957.22	3	3,820.81	3	3,684.39	3	3,547.98	3	3,261.43	3	2,903.97		
1/4		1/4		1/4		1/4	4,090.16	1/4	3,954.38	1/4	3,817.97	1/4	3,681.55	1/4	3,545.14	1/4	3,253.98	1/4	2,896.52		
1/2		1/2		1/2		1/2	4,087.48	1/2	3,951.54	1/2	3,815.13	1/2	3,678.71	1/2	3,542.10	1/2	3,246.53	1/2	2,889.07		
3/4		3/4		3/4		3/4	4,084.80	3/4	3,948.70	3/4	3,812.28	3/4	3,675.86	3/4	3,539.05	3/4	3,239.08	3/4	2,881.62		
4		4		4		4	4,082.11	4	3,945.86	4	3,809.44	4	3,673.02	4	3,536.01	4	3,231.64	4	2,874.18		
1/4		1/4		1/4		1/4	4,079.43	1/4	3,943.02	1/4	3,806.60	1/4	3,670.18	1/4	3,532.97	1/4	3,224.19	1/4	2,866.73		
1/2		1/2		1/2		1/2	4,076.59	1/2	3,940.18	1/2	3,803.76	1/2	3,667.34	1/2	3,529.26	1/2	3,216.74	1/2	2,859.28		
3/4		3/4		3/4		3/4	4,073.75	3/4	3,937.33	3/4	3,800.91	3/4	3,664.50	3/4	3,525.55	3/4	3,209.29	3/4	2,851.84		
5		5		5		5	4,070.90	5	3,934.49	5	3,798.07	5	3,661.66	5	3,521.84	5	3,201.85	5	2,844.39		
1/4		1/4		1/4		1/4	4,068.06	1/4	3,931.65	1/4	3,795.23	1/4	3,658.82	1/4	3,518.13	1/4	3,194.40	1/4	2,836.95		
1/2		1/2		1/2		1/2	4,065.22	1/2	3,928.81	1/2	3,792.39	1/2	3,655.98	1/2	3,515.74	1/2	3,186.95	1/2	2,829.50		
3/4		3/4		3/4		3/4	4,062.38	3/4	3,925.96	3/4	3,789.54	3/4	3,653.13	3/4	3,509.35	3/4	3,179.50	3/4	2,822.05		
6		6		6		6	4,059.54	6	3,923.12	6	3,786.70	6	3,650.29	6	3,504.96	6	3,172.06	6	2,814.61		
1/4		1/4		1/4		1/4	4,056.70	1/4	3,920.28	1/4	3,783.86	1/4	3,647.45	1/4	3,500.57	1/4	3,164.61	1/4	2,807.16		
1/2		1/2		1/2		1/2	4,053.86	1/2	3,917.44	1/2	3,781.02	1/2	3,644.61	1/2	3,495.49	1/2	3,157.16	1/2	2,799.71		
3/4		3/4		3/4		3/4	4,051.02	3/4	3,914.59	3/4	3,778.18	3/4	3,641.76	3/4	3,490.41	3/4	3,149.72	3/4	2,792.26		
7		7		7		7	4,048.17	7	3,911.75	7	3,775.34	7	3,638.92	7	3,485.34	7	3,142.27	7	2,784.82		
1/4		1/4		1/4		1/4	4,045.33	1/4	3,908.91	1/4	3,772.50	1/4	3,636.08	1/4	3,480.26	1/4	3,134.83	1/4	2,777.37		
1/2		1/2		1/2		1/2	4,042.49	1/2	3,906.07	1/2	3,769.66	1/2	3,633.24	1/2	3,474.50	1/2	3,127.38	1/2	2,769.92		
3/4		3/4		3/4		3/4	4,039.65	3/4	3,903.22	3/4	3,766.81	3/4	3,630.39	3/4	3,468.73	3/4	3,119.93	3/4	2,762.47		
8		8		8		8	4,036.80	8	3,900.38	8	3,763.97	8	3,627.55	8	3,462.97	8	3,112.49	8	2,755.03		
1/4		1/4		1/4		1/4	4,033.96	1/4	3,897.54	1/4	3,761.13	1/4	3,624.71	1/4	3,457.21	1/4	3,105.04	1/4	2,747.58		
1/2		1/2		1/2		1/2	4,031.12	1/2	3,894.70	1/2	3,758.29	1/2	3,621.87	1/2	3,450.76	1/2	3,097.59	1/2	2,740.13		
3/4		3/4		3/4		3/4	4,028.28	3/4	3,891.86	3/4	3,755.44	3/4	3,619.02	3/4	3,444.32	3/4	3,090.14	3/4	2,732.68		
9		9		9		9	4,025.43	9	3,889.02	9	3,752.60	9	3,616.18	9	3,437.87	9	3,082.70	9	2,725.24		
1/4		1/4		1/4		1/4	4,120.48	1/4	4,022.59	1/4	3,886.18	1/4	3,749.76	1/4	3,613.34	1/4	3,431.43	1/4	3,075.25	1/4	2,717.79
1/2		1/2		1/2		1/2	4,120.24	1/2	4,019.75	1/2	3,883.34	1/2	3,746.92	1/2	3,610.50	1/2	3,424.30	1/2	3,067.80	1/2	2,710.34
3/4		3/4		3/4		3/4	4,120.00	3/4	4,016.90	3/4	3,880.49	3/4	3,744.07	3/4	3,607.66	3/4	3,417.17	3/4	3,060.35	3/4	2,702.90
10		10		10		10	4,119.76	10	4,014.06	10	3,877.65	10	3,741.23	10	3,604.82	10	3,410.05	10	3,052.91	10	2,695.45
1/4		1/4		1/4		1/4	4,119.52	1/4	4,011.22	1/4	3,874.81	1/4	3,738.39	1/4	3,601.98	1/4	3,402.92	1/4	3,045.46	1/4	2,688.01
1/2		1/2		1/2		1/2	4,118.90	1/2	4,008.38	1/2	3,871.97	1/2	3,735.55	1/2	3,599.14	1/2	3,395.47	1/2	3,038.01	1/2	2,680.56
3/4		3/4		3/4		3/4	4,118.28	3/4	4,005.54	3/4	3,869.12	3/4	3,732.70	3/4	3,596.29	3/4	3,388.02	3/4	3,030.56	3/4	2,673.11
11		11		11		11	4,117.65	11	4,002.70	11	3,866.28	11	3,729.86	11	3,593.45	11	3,380.58	11	3,023.12	11	2,665.67
1/4		1/4		1/4		1/4	4,117.03	1/4	3,999.86	1/4	3,863.44	1/4	3,727.02	1/4	3,590.61	1/4	3,373.13	1/4	3,015.67	1/4	2,658.22
1/2		1/2		1/2		1/2	4,115.99	1/2	3,997.02	1/2	3,860.60	1/2	3,724.15	1/2	3,587.77	1/2	3,365.68	1/2	3,008.22	1/2	2,650.77
3/4		3/4		3/4		3/4	4,114.94	3/4	3,994.17	3/4	3,857.75	3/4	3,721.29	3/4	3,584.92	3/4	3,358.23	3/4	3,000.78	3/4	2,643.32

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 12'-06" OFF CENTERLINE AND 56'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28748"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04 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	2,635.88	0	2,278.42	0	1,920.97	0	1,563.51	0	1,206.05	0	848.60	0	491.14	0	134.75	0		0	
1/4	2,628.43	1/4	2,270.97	1/4	1,913.52	1/4	1,556.06	1/4	1,198.61	1/4	841.15	1/4	483.69	1/4	127.33	1/4		1/4	
1/2	2,620.98	1/2	2,263.52	1/2	1,906.07	1/2	1,548.61	1/2	1,191.16	1/2	833.70	1/2	476.24	1/2	119.91	1/2		1/2	
3/4	2,613.53	3/4	2,256.08	3/4	1,898.62	3/4	1,541.16	3/4	1,183.71	3/4	826.25	3/4	468.80	3/4	112.49	3/4		3/4	
1	2,606.09	1	2,248.63	1	1,891.18	1	1,533.72	1	1,176.27	1	818.81	1	461.35	1	105.07	1		1	
1/4	2,598.64	1/4	2,241.19	1/4	1,883.73	1/4	1,526.27	1/4	1,168.82	1/4	811.36	1/4	453.91	1/4	97.65	1/4		1/4	
1/2	2,591.19	1/2	2,233.74	1/2	1,876.28	1/2	1,518.82	1/2	1,161.37	1/2	803.91	1/2	446.46	1/2	90.23	1/2		1/2	
3/4	2,583.74	3/4	2,226.29	3/4	1,868.83	3/4	1,511.38	3/4	1,153.92	3/4	796.46	3/4	439.01	3/4	82.81	3/4		3/4	
2	2,576.30	2	2,218.85	2	1,861.39	2	1,503.93	2	1,146.48	2	789.02	2	431.57	2	75.40	2		2	
1/4	2,568.85	1/4	2,211.40	1/4	1,853.94	1/4	1,496.49	1/4	1,139.03	1/4	781.57	1/4	424.12	1/4	67.98	1/4		1/4	
1/2	2,561.40	1/2	2,203.95	1/2	1,846.49	1/2	1,489.04	1/2	1,131.58	1/2	774.12	1/2	416.69	1/2	61.22	1/2		1/2	
3/4	2,553.96	3/4	2,196.50	3/4	1,839.04	3/4	1,481.59	3/4	1,124.13	3/4	766.68	3/4	409.26	3/4	54.46	3/4		3/4	
3	2,546.51	3	2,189.06	3	1,831.60	3	1,474.15	3	1,116.69	3	759.23	3	401.84	3	47.71	3		3	
1/4	2,539.07	1/4	2,181.61	1/4	1,824.15	1/4	1,466.70	1/4	1,109.24	1/4	751.79	1/4	394.41	1/4	40.95	1/4		1/4	
1/2	2,531.62	1/2	2,174.16	1/2	1,816.70	1/2	1,459.25	1/2	1,101.79	1/2	744.34	1/2	386.99	1/2	35.81	1/2		1/2	
3/4	2,524.17	3/4	2,166.71	3/4	1,809.26	3/4	1,451.80	3/4	1,094.34	3/4	736.89	3/4	379.57	3/4	30.67	3/4		3/4	
4	2,516.73	4	2,159.27	4	1,801.81	4	1,444.36	4	1,086.90	4	729.45	4	372.16	4	25.54	4		4	
1/4	2,509.28	1/4	2,151.82	1/4	1,794.37	1/4	1,436.91	1/4	1,079.45	1/4	722.00	1/4	364.74	1/4	20.40	1/4		1/4	
1/2	2,501.83	1/2	2,144.37	1/2	1,786.92	1/2	1,429.46	1/2	1,072.00	1/2	714.55	1/2	357.32	1/2		1/2		1/2	
3/4	2,494.38	3/4	2,136.92	3/4	1,779.47	3/4	1,422.01	3/4	1,064.56	3/4	707.10	3/4	349.90	3/4		3/4		3/4	
5	2,486.94	5	2,129.48	5	1,772.03	5	1,414.57	5	1,057.11	5	699.66	5	342.48	5		5		5	
1/4	2,479.49	1/4	2,122.03	1/4	1,764.58	1/4	1,407.12	1/4	1,049.67	1/4	692.21	1/4	335.06	1/4		1/4		1/4	
1/2	2,472.04	1/2	2,114.58	1/2	1,757.13	1/2	1,399.67	1/2	1,042.22	1/2	684.76	1/2	327.64	1/2		1/2		1/2	
3/4	2,464.59	3/4	2,107.14	3/4	1,749.68	3/4	1,392.22	3/4	1,034.77	3/4	677.31	3/4	320.22	3/4		3/4		3/4	
6	2,457.15	6	2,099.69	6	1,742.24	6	1,384.78	6	1,027.33	6	669.87	6	312.81	6		6		6	
1/4	2,449.70	1/4	2,092.25	1/4	1,734.79	1/4	1,377.33	1/4	1,019.88	1/4	662.42	1/4	305.39	1/4		1/4		1/4	
1/2	2,442.25	1/2	2,084.80	1/2	1,727.34	1/2	1,369.88	1/2	1,012.43	1/2	654.97	1/2	297.97	1/2		1/2		1/2	
3/4	2,434.80	3/4	2,077.35	3/4	1,719.89	3/4	1,362.44	3/4	1,004.98	3/4	647.52	3/4	290.55	3/4		3/4		3/4	
7	2,427.36	7	2,069.91	7	1,712.45	7	1,354.99	7	997.54	7	640.08	7	283.13	7		7		7	
1/4	2,419.91	1/4	2,062.46	1/4	1,705.00	1/4	1,347.55	1/4	990.09	1/4	632.63	1/4	275.71	1/4		1/4		1/4	
1/2	2,412.46	1/2	2,055.01	1/2	1,697.55	1/2	1,340.10	1/2	982.64	1/2	625.18	1/2	268.29	1/2		1/2		1/2	
3/4	2,405.02	3/4	2,047.56	3/4	1,690.10	3/4	1,332.65	3/4	975.19	3/4	617.74	3/4	260.87	3/4		3/4		3/4	
8	2,397.57	8	2,040.12	8	1,682.66	8	1,325.21	8	967.75	8	610.29	8	253.45	8		8		8	
1/4	2,390.13	1/4	2,032.67	1/4	1,675.21	1/4	1,317.76	1/4	960.30	1/4	602.85	1/4	246.03	1/4		1/4		1/4	
1/2	2,382.68	1/2	2,025.22	1/2	1,667.76	1/2	1,310.31	1/2	952.85	1/2	595.40	1/2	238.61	1/2		1/2		1/2	
3/4	2,375.23	3/4	2,017.77	3/4	1,660.32	3/4	1,302.86	3/4	945.40	3/4	587.95	3/4	231.19	3/4		3/4		3/4	
9	2,367.79	9	2,010.33	9	1,652.87	9	1,295.42	9	937.96	9	580.51	9	223.78	9		9		9	
1/4	2,360.34	1/4	2,002.88	1/4	1,645.43	1/4	1,287.97	1/4	930.51	1/4	573.06	1/4	216.36	1/4		1/4		1/4	
1/2	2,352.89	1/2	1,995.43	1/2	1,637.98	1/2	1,280.52	1/2	923.06	1/2	565.61	1/2	208.94	1/2		1/2		1/2	
3/4	2,345.44	3/4	1,987.98	3/4	1,630.53	3/4	1,273.07	3/4	915.62	3/4	558.16	3/4	201.52	3/4		3/4		3/4	
10	2,338.00	10	1,980.54	10	1,623.09	10	1,265.63	10	908.17	10	550.72	10	194.10	10		10		10	
1/4	2,330.55	1/4	1,973.09	1/4	1,615.64	1/4	1,258.18	1/4	900.73	1/4	543.27	1/4	186.68	1/4		1/4		1/4	
1/2	2,323.10	1/2	1,965.64	1/2	1,608.19	1/2	1,250.73	1/2	893.28	1/2	535.82	1/2	179.26	1/2		1/2		1/2	
3/4	2,315.65	3/4	1,958.20	3/4	1,600.74	3/4	1,243.28	3/4	885.83	3/4	528.37	3/4	171.84	3/4		3/4		3/4	
11	2,308.21	11	1,950.75	11	1,593.30	11	1,235.84	11	878.39	11	520.93	11	164.43	11		11		11	
1/4	2,300.76	1/4	1,943.31	1/4	1,585.85	1/4	1,228.39	1/4	870.94	1/4	513.48	1/4	157.01	1/4		1/4		1/4	
1/2	2,293.31	1/2	1,935.86	1/2	1,578.40	1/2	1,220.94	1/2	863.49	1/2	506.03	1/2	149.59	1/2		1/2		1/2	
3/4	2,285.86	3/4	1,928.41	3/4	1,570.95	3/4	1,213.50	3/4	856.04	3/4	498.58	3/4	142.17	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2008 INSP
DECK MEASUREMENTS: 05/11/2017 SW
RECOMPUTED: 08/11/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2017

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



BARGE "KIRBY 28748"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,111.38	0	3,985.65	0	3,849.23	0	3,712.74	0	3,576.40	0	3,335.89	0	2,978.44
1/4		1/4		1/4		1/4	4,109.92	1/4	3,982.80	1/4	3,846.38	1/4	3,709.92	1/4	3,573.55	1/4	3,328.44	1/4	2,970.99
1/2		1/2		1/2		1/2	4,108.45	1/2	3,979.96	1/2	3,843.54	1/2	3,707.11	1/2	3,570.71	1/2	3,321.00	1/2	2,963.55
3/4		3/4		3/4		3/4	4,106.98	3/4	3,977.12	3/4	3,840.70	3/4	3,704.29	3/4	3,567.87	3/4	3,313.55	3/4	2,956.10
1		1		1		1	4,105.09	1	3,974.28	1	3,837.86	1	3,701.45	1	3,565.03	1	3,306.10	1	2,948.65
1/4		1/4		1/4		1/4	4,103.20	1/4	3,971.43	1/4	3,835.02	1/4	3,698.60	1/4	3,562.18	1/4	3,298.66	1/4	2,941.20
1/2		1/2		1/2		1/2	4,101.31	1/2	3,968.59	1/2	3,832.18	1/2	3,695.76	1/2	3,559.34	1/2	3,291.21	1/2	2,933.76
3/4		3/4		3/4		3/4	4,099.42	3/4	3,965.75	3/4	3,829.34	3/4	3,692.92	3/4	3,556.50	3/4	3,283.77	3/4	2,926.31
2		2		2		2	4,097.11	2	3,962.91	2	3,826.50	2	3,690.08	2	3,553.66	2	3,276.32	2	2,918.86
1/4		1/4		1/4		1/4	4,094.79	1/4	3,960.06	1/4	3,823.65	1/4	3,687.23	1/4	3,550.82	1/4	3,268.87	1/4	2,911.41
1/2		1/2		1/2		1/2	4,092.48	1/2	3,957.22	1/2	3,820.81	1/2	3,684.39	1/2	3,547.98	1/2	3,261.43	1/2	2,903.97
3/4		3/4		3/4		3/4	4,090.16	3/4	3,954.38	3/4	3,817.97	3/4	3,681.55	3/4	3,545.14	3/4	3,253.98	3/4	2,896.52
3		3		3		3	4,087.48	3	3,951.54	3	3,815.13	3	3,678.71	3	3,542.10	3	3,246.53	3	2,889.07
1/4		1/4		1/4		1/4	4,084.80	1/4	3,948.70	1/4	3,812.28	1/4	3,675.86	1/4	3,539.05	1/4	3,239.08	1/4	2,881.62
1/2		1/2		1/2		1/2	4,082.11	1/2	3,945.86	1/2	3,809.44	1/2	3,673.02	1/2	3,536.01	1/2	3,231.64	1/2	2,874.18
3/4		3/4		3/4		3/4	4,079.43	3/4	3,943.02	3/4	3,806.60	3/4	3,670.18	3/4	3,532.97	3/4	3,224.19	3/4	2,866.73
4		4		4		4	4,076.59	4	3,940.18	4	3,803.76	4	3,667.34	4	3,529.26	4	3,216.74	4	2,859.28
1/4		1/4		1/4		1/4	4,073.75	1/4	3,937.33	1/4	3,800.91	1/4	3,664.50	1/4	3,525.55	1/4	3,209.29	1/4	2,851.84
1/2		1/2		1/2		1/2	4,070.90	1/2	3,934.49	1/2	3,798.07	1/2	3,661.66	1/2	3,521.84	1/2	3,201.85	1/2	2,844.39
3/4		3/4		3/4		3/4	4,068.06	3/4	3,931.65	3/4	3,795.23	3/4	3,658.82	3/4	3,518.13	3/4	3,194.40	3/4	2,836.95
5		5		5		5	4,065.22	5	3,928.81	5	3,792.39	5	3,655.98	5	3,513.74	5	3,186.95	5	2,829.50
1/4		1/4		1/4		1/4	4,062.38	1/4	3,925.96	1/4	3,789.54	1/4	3,653.13	1/4	3,509.35	1/4	3,179.50	1/4	2,822.05
1/2		1/2		1/2		1/2	4,059.54	1/2	3,923.12	1/2	3,786.70	1/2	3,650.29	1/2	3,506.96	1/2	3,172.06	1/2	2,814.61
3/4		3/4		3/4		3/4	4,056.70	3/4	3,920.28	3/4	3,783.86	3/4	3,647.45	3/4	3,503.57	3/4	3,164.61	3/4	2,807.16
6		6		6		6	4,053.86	6	3,917.44	6	3,781.02	6	3,644.61	6	3,495.49	6	3,157.16	6	2,799.71
1/4		1/4		1/4		1/4	4,051.02	1/4	3,914.59	1/4	3,778.18	1/4	3,641.76	1/4	3,490.41	1/4	3,149.72	1/4	2,792.26
1/2		1/2		1/2		1/2	4,048.17	1/2	3,911.75	1/2	3,775.34	1/2	3,638.92	1/2	3,485.34	1/2	3,142.27	1/2	2,784.82
3/4		3/4		3/4		3/4	4,045.33	3/4	3,908.91	3/4	3,772.50	3/4	3,636.08	3/4	3,480.26	3/4	3,134.83	3/4	2,777.37
7		7		7		7	4,042.49	7	3,906.07	7	3,769.66	7	3,633.24	7	3,474.50	7	3,127.38	7	2,769.92
1/4		1/4		1/4		1/4	4,039.65	1/4	3,903.22	1/4	3,766.81	1/4	3,630.39	1/4	3,468.73	1/4	3,119.93	1/4	2,762.47
1/2		1/2		1/2		1/2	4,036.80	1/2	3,900.38	1/2	3,763.97	1/2	3,627.55	1/2	3,462.97	1/2	3,112.49	1/2	2,755.03
3/4		3/4		3/4		3/4	4,033.96	3/4	3,897.54	3/4	3,761.13	3/4	3,624.71	3/4	3,457.21	3/4	3,105.04	3/4	2,747.58
8		8		8		8	4,031.12	8	3,894.70	8	3,758.29	8	3,621.87	8	3,450.76	8	3,097.59	8	2,740.13
1/4		1/4		1/4		1/4	4,028.28	1/4	3,891.86	1/4	3,755.44	1/4	3,619.02	1/4	3,444.32	1/4	3,090.14	1/4	2,732.68
1/2		1/2		1/2		1/2	4,025.43	1/2	3,889.02	1/2	3,752.60	1/2	3,616.18	1/2	3,437.87	1/2	3,082.70	1/2	2,725.24
3/4		3/4		3/4	4,120.48	3/4	4,022.59	3/4	3,886.18	3/4	3,749.76	3/4	3,613.34	3/4	3,431.43	3/4	3,075.25	3/4	2,717.79
9		9		9	4,120.24	9	4,019.75	9	3,883.34	9	3,746.92	9	3,610.50	9	3,424.30	9	3,067.80	9	2,710.34
1/4		1/4		1/4	4,120.00	1/4	4,016.90	1/4	3,880.49	1/4	3,744.07	1/4	3,607.66	1/4	3,417.17	1/4	3,060.35	1/4	2,702.90
1/2		1/2		1/2	4,119.76	1/2	4,014.06	1/2	3,877.65	1/2	3,741.23	1/2	3,604.82	1/2	3,410.05	1/2	3,052.91	1/2	2,695.45
3/4		3/4		3/4	4,119.52	3/4	4,011.22	3/4	3,874.81	3/4	3,738.39	3/4	3,601.98	3/4	3,402.92	3/4	3,045.46	3/4	2,688.01
10		10		10	4,118.90	10	4,008.38	10	3,871.97	10	3,735.55	10	3,599.14	10	3,395.47	10	3,038.01	10	2,680.56
1/4		1/4		1/4	4,118.28	1/4	4,005.54	1/4	3,869.12	1/4	3,732.70	1/4	3,596.29	1/4	3,388.02	1/4	3,030.56	1/4	2,673.11
1/2		1/2		1/2	4,117.65	1/2	4,002.70	1/2	3,866.28	1/2	3,729.86	1/2	3,593.45	1/2	3,380.58	1/2	3,023.12	1/2	2,665.67
3/4		3/4		3/4	4,117.03	3/4	3,999.86	3/4	3,863.44	3/4	3,727.02	3/4	3,590.61	3/4	3,373.13	3/4	3,015.67	3/4	2,658.22
11		11		11	4,115.99	11	3,997.02	11	3,860.60	11	3,724.15	11	3,587.77	11	3,365.68	11	3,008.22	11	2,650.77
1/4		1/4		1/4	4,114.94	1/4	3,994.17	1/4	3,857.75	1/4	3,721.29	1/4	3,584.92	1/4	3,358.23	1/4	3,000.78	1/4	2,643.32
1/2		1/2		1/2	4,113.90	1/2	3,991.33	1/2	3,854.91	1/2	3,718.42	1/2	3,582.08	1/2	3,350.79	1/2	2,993.33	1/2	2,635.88
3/4		3/4		3/4	4,112.85	3/4	3,988.49	3/4	3,852.07	3/4	3,715.56	3/4	3,579.24	3/4	3,343.34	3/4	2,985.89	3/4	2,628.43

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 12'-06" OFF CENTERLINE AND 56'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28748"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,620.98	0	2,263.52	0	1,906.07	0	1,548.61	0	1,191.16	0	833.70	0	476.24	0	119.91	0		0	
1/4	2,613.53	1/4	2,256.08	1/4	1,898.62	1/4	1,541.16	1/4	1,183.71	1/4	826.25	1/4	468.80	1/4	112.49	1/4		1/4	
1/2	2,606.09	1/2	2,248.63	1/2	1,891.18	1/2	1,533.72	1/2	1,176.27	1/2	818.81	1/2	461.35	1/2	105.07	1/2		1/2	
3/4	2,598.64	3/4	2,241.19	3/4	1,883.73	3/4	1,526.27	3/4	1,168.82	3/4	811.36	3/4	453.91	3/4	97.65	3/4		3/4	
1	2,591.19	1	2,233.74	1	1,876.28	1	1,518.82	1	1,161.37	1	803.91	1	446.46	1	90.23	1		1	
1/4	2,583.74	1/4	2,226.29	1/4	1,868.83	1/4	1,511.38	1/4	1,153.92	1/4	796.46	1/4	439.01	1/4	82.81	1/4		1/4	
1/2	2,576.30	1/2	2,218.85	1/2	1,861.39	1/2	1,503.93	1/2	1,146.48	1/2	789.02	1/2	431.57	1/2	75.40	1/2		1/2	
3/4	2,568.85	3/4	2,211.40	3/4	1,853.94	3/4	1,496.49	3/4	1,139.03	3/4	781.57	3/4	424.12	3/4	67.98	3/4		3/4	
2	2,561.40	2	2,203.95	2	1,846.49	2	1,489.04	2	1,131.58	2	774.12	2	416.69	2	61.22	2		2	
1/4	2,553.96	1/4	2,196.50	1/4	1,839.04	1/4	1,481.59	1/4	1,124.13	1/4	766.68	1/4	409.26	1/4	54.46	1/4		1/4	
1/2	2,546.51	1/2	2,189.06	1/2	1,831.60	1/2	1,474.15	1/2	1,116.69	1/2	759.23	1/2	401.84	1/2	47.71	1/2		1/2	
3/4	2,539.07	3/4	2,181.61	3/4	1,824.15	3/4	1,466.70	3/4	1,109.24	3/4	751.79	3/4	394.41	3/4	40.95	3/4		3/4	
3	2,531.62	3	2,174.16	3	1,816.70	3	1,459.25	3	1,101.79	3	744.34	3	386.99	3	35.81	3		3	
1/4	2,524.17	1/4	2,166.71	1/4	1,809.26	1/4	1,451.80	1/4	1,094.34	1/4	736.89	1/4	379.57	1/4	30.67	1/4		1/4	
1/2	2,516.73	1/2	2,159.27	1/2	1,801.81	1/2	1,444.36	1/2	1,086.90	1/2	729.45	1/2	372.16	1/2	25.54	1/2		1/2	
3/4	2,509.28	3/4	2,151.82	3/4	1,794.37	3/4	1,436.91	3/4	1,079.45	3/4	722.00	3/4	364.74	3/4	20.40	3/4		3/4	
4	2,501.83	4	2,144.37	4	1,786.92	4	1,429.46	4	1,072.00	4	714.55	4	357.32	4		4		4	
1/4	2,494.38	1/4	2,136.92	1/4	1,779.47	1/4	1,422.01	1/4	1,064.56	1/4	707.10	1/4	349.90	1/4		1/4		1/4	
1/2	2,486.94	1/2	2,129.48	1/2	1,772.03	1/2	1,414.57	1/2	1,057.11	1/2	699.66	1/2	342.48	1/2		1/2		1/2	
3/4	2,479.49	3/4	2,122.03	3/4	1,764.58	3/4	1,407.12	3/4	1,049.67	3/4	692.21	3/4	335.06	3/4		3/4		3/4	
5	2,472.04	5	2,114.58	5	1,757.13	5	1,399.67	5	1,042.22	5	684.76	5	327.64	5		5		5	
1/4	2,464.59	1/4	2,107.14	1/4	1,749.68	1/4	1,392.22	1/4	1,034.77	1/4	677.31	1/4	320.22	1/4		1/4		1/4	
1/2	2,457.15	1/2	2,099.69	1/2	1,742.24	1/2	1,384.78	1/2	1,027.33	1/2	669.87	1/2	312.81	1/2		1/2		1/2	
3/4	2,449.70	3/4	2,092.25	3/4	1,734.79	3/4	1,377.33	3/4	1,019.88	3/4	662.42	3/4	305.39	3/4		3/4		3/4	
6	2,442.25	6	2,084.80	6	1,727.34	6	1,369.88	6	1,012.43	6	654.97	6	297.97	6		6		6	
1/4	2,434.80	1/4	2,077.35	1/4	1,719.89	1/4	1,362.44	1/4	1,004.98	1/4	647.52	1/4	290.55	1/4		1/4		1/4	
1/2	2,427.36	1/2	2,069.91	1/2	1,712.45	1/2	1,354.99	1/2	997.54	1/2	640.08	1/2	283.13	1/2		1/2		1/2	
3/4	2,419.91	3/4	2,062.46	3/4	1,705.00	3/4	1,347.55	3/4	990.09	3/4	632.63	3/4	275.71	3/4		3/4		3/4	
7	2,412.46	7	2,055.01	7	1,697.55	7	1,340.10	7	982.64	7	625.18	7	268.29	7		7		7	
1/4	2,405.02	1/4	2,047.56	1/4	1,690.10	1/4	1,332.65	1/4	975.19	1/4	617.74	1/4	260.87	1/4		1/4		1/4	
1/2	2,397.57	1/2	2,040.12	1/2	1,682.66	1/2	1,325.21	1/2	967.75	1/2	610.29	1/2	253.45	1/2		1/2		1/2	
3/4	2,390.13	3/4	2,032.67	3/4	1,675.21	3/4	1,317.76	3/4	960.30	3/4	602.85	3/4	246.03	3/4		3/4		3/4	
8	2,382.68	8	2,025.22	8	1,667.76	8	1,310.31	8	952.85	8	595.40	8	238.61	8		8		8	
1/4	2,375.23	1/4	2,017.77	1/4	1,660.32	1/4	1,302.86	1/4	945.40	1/4	587.95	1/4	231.19	1/4		1/4		1/4	
1/2	2,367.79	1/2	2,010.33	1/2	1,652.87	1/2	1,295.42	1/2	937.96	1/2	580.51	1/2	223.78	1/2		1/2		1/2	
3/4	2,360.34	3/4	2,002.88	3/4	1,645.43	3/4	1,287.97	3/4	930.51	3/4	573.06	3/4	216.36	3/4		3/4		3/4	
9	2,352.89	9	1,995.43	9	1,637.98	9	1,280.52	9	923.06	9	565.61	9	208.94	9		9		9	
1/4	2,345.44	1/4	1,987.98	1/4	1,630.53	1/4	1,273.07	1/4	915.62	1/4	558.16	1/4	201.52	1/4		1/4		1/4	
1/2	2,338.00	1/2	1,980.54	1/2	1,623.09	1/2	1,265.63	1/2	908.17	1/2	550.72	1/2	194.10	1/2		1/2		1/2	
3/4	2,330.55	3/4	1,973.09	3/4	1,615.64	3/4	1,258.18	3/4	900.73	3/4	543.27	3/4	186.68	3/4		3/4		3/4	
10	2,323.10	10	1,965.64	10	1,608.19	10	1,250.73	10	893.28	10	535.82	10	179.26	10		10		10	
1/4	2,315.65	1/4	1,958.20	1/4	1,600.74	1/4	1,243.28	1/4	885.83	1/4	528.37	1/4	171.84	1/4		1/4		1/4	
1/2	2,308.21	1/2	1,950.75	1/2	1,593.30	1/2	1,235.84	1/2	878.39	1/2	520.93	1/2	164.43	1/2		1/2		1/2	
3/4	2,300.76	3/4	1,943.31	3/4	1,585.85	3/4	1,228.39	3/4	870.94	3/4	513.48	3/4	157.01	3/4		3/4		3/4	
11	2,293.31	11	1,935.86	11	1,578.40	11	1,220.94	11	863.49	11	506.03	11	149.59	11		11		11	
1/4	2,285.86	1/4	1,928.41	1/4	1,570.95	1/4	1,213.50	1/4	856.04	1/4	498.58	1/4	142.17	1/4		1/4		1/4	
1/2	2,278.42	1/2	1,920.97	1/2	1,563.51	1/2	1,206.05	1/2	848.60	1/2	491.14	1/2	134.75	1/2		1/2		1/2	
3/4	2,270.97	3/4	1,913.52	3/4	1,556.06	3/4	1,198.61	3/4	841.15	3/4	483.69	3/4	127.33	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2008 INSP
DECK MEASUREMENTS: 05/11/2017 SW
RECOMPUTED: 08/11/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2017

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



BARGE "KIRBY 28748"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "WTC 2004"

GAUGE HEIGHT 6'-03 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	48	0	2,359	0	4,669	0	6,980	0	9,291	0	11,602	0		0		0		0	
1/4	96	1/4	2,407	1/4	4,718	1/4	7,028	1/4	9,339	1/4	11,650	1/4		1/4	1/4	1/4		1/4	
1/2	144	1/2	2,455	1/2	4,766	1/2	7,076	1/2	9,387	1/2	11,698	1/2		1/2	1/2	1/2		1/2	
3/4	193	3/4	2,503	3/4	4,814	3/4	7,125	3/4	9,435	3/4	11,746	3/4		3/4	3/4	3/4		3/4	
1	241	1	2,551	1	4,862	1	7,173	1	9,483	1	11,794	1		1		1		1	
1/4	289	1/4	2,599	1/4	4,910	1/4	7,221	1/4	9,532	1/4	11,842	1/4		1/4	1/4	1/4		1/4	
1/2	337	1/2	2,647	1/2	4,958	1/2	7,269	1/2	9,580	1/2	11,890	1/2		1/2	1/2	1/2		1/2	
3/4	385	3/4	2,695	3/4	5,006	3/4	7,317	3/4	9,628	3/4	11,938	3/4		3/4	3/4	3/4		3/4	
2	433	2	2,743	2	5,055	2	7,365	2	9,676	2	11,987	2		2		2		2	
1/4	481	1/4	2,791	1/4	5,103	1/4	7,413	1/4	9,724	1/4	12,035	1/4		1/4	1/4	1/4		1/4	
1/2	530	1/2	2,840	1/2	5,151	1/2	7,462	1/2	9,772	1/2	12,083	1/2		1/2	1/2	1/2		1/2	
3/4	578	3/4	2,888	3/4	5,199	3/4	7,510	3/4	9,820	3/4	12,131	3/4		3/4	3/4	3/4		3/4	
3	626	3	2,936	3	5,247	3	7,558	3	9,869	3	12,179	3		3		3		3	
1/4	674	1/4	2,985	1/4	5,295	1/4	7,606	1/4	9,917	1/4	12,227	1/4		1/4	1/4	1/4		1/4	
1/2	722	1/2	3,033	1/2	5,343	1/2	7,654	1/2	9,965	1/2	12,275	1/2		1/2	1/2	1/2		1/2	
3/4	770	3/4	3,081	3/4	5,392	3/4	7,702	3/4	10,013	3/4	12,324	3/4		3/4	3/4	3/4		3/4	
4	819	4	3,129	4	5,440	4	7,750	4	10,061	4	12,372	4		4		4		4	
1/4	867	1/4	3,177	1/4	5,488	1/4	7,799	1/4	10,109	1/4	12,420	1/4		1/4	1/4	1/4		1/4	
1/2	915	1/2	3,225	1/2	5,536	1/2	7,847	1/2	10,157	1/2	12,468	1/2		1/2	1/2	1/2		1/2	
3/4	963	3/4	3,273	3/4	5,584	3/4	7,895	3/4	10,205	3/4	12,516	3/4		3/4	3/4	3/4		3/4	
5	1,011	5	3,322	5	5,632	5	7,943	5	10,254	5	12,564	5		5		5		5	
1/4	1,059	1/4	3,370	1/4	5,680	1/4	7,991	1/4	10,302	1/4	12,612	1/4		1/4	1/4	1/4		1/4	
1/2	1,107	1/2	3,418	1/2	5,729	1/2	8,039	1/2	10,350	1/2	12,661	1/2		1/2	1/2	1/2		1/2	
3/4	1,155	3/4	3,466	3/4	5,777	3/4	8,087	3/4	10,398	3/4	12,709	3/4		3/4	3/4	3/4		3/4	
6	1,203	6	3,514	6	5,825	6	8,135	6	10,446	6	12,757	6		6		6		6	
1/4	1,252	1/4	3,562	1/4	5,873	1/4	8,184	1/4	10,494	1/4	12,805	1/4		1/4	1/4	1/4		1/4	
1/2	1,300	1/2	3,610	1/2	5,921	1/2	8,232	1/2	10,542	1/2	12,853	1/2		1/2	1/2	1/2		1/2	
3/4	1,348	3/4	3,659	3/4	5,969	3/4	8,280	3/4	10,591	3/4	12,901	3/4		3/4	3/4	3/4		3/4	
7	1,396	7	3,707	7	6,017	7	8,328	7	10,639	7	12,949	7		7		7		7	
1/4	1,444	1/4	3,755	1/4	6,066	1/4	8,376	1/4	10,687	1/4	12,998	1/4		1/4	1/4	1/4		1/4	
1/2	1,492	1/2	3,803	1/2	6,114	1/2	8,424	1/2	10,735	1/2	13,046	1/2		1/2	1/2	1/2		1/2	
3/4	1,540	3/4	3,851	3/4	6,162	3/4	8,472	3/4	10,783	3/4	13,094	3/4		3/4	3/4	3/4		3/4	
8	1,589	8	3,899	8	6,210	8	8,521	8	10,831	8	13,142	8		8		8		8	
1/4	1,637	1/4	3,947	1/4	6,258	1/4	8,569	1/4	10,879	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,685	1/2	3,996	1/2	6,306	1/2	8,617	1/2	10,928	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,733	3/4	4,044	3/4	6,354	3/4	8,665	3/4	10,976	3/4		3/4		3/4	3/4	3/4		3/4	
9	1,781	9	4,092	9	6,402	9	8,713	9	11,024	9		9		9		9		9	
1/4	1,829	1/4	4,140	1/4	6,451	1/4	8,761	1/4	11,072	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,877	1/2	4,188	1/2	6,499	1/2	8,809	1/2	11,120	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,926	3/4	4,236	3/4	6,547	3/4	8,858	3/4	11,168	3/4		3/4		3/4	3/4	3/4		3/4	
10	1,974	10	4,284	10	6,595	10	8,906	10	11,216	10		10		10		10		10	
1/4	2,022	1/4	4,333	1/4	6,643	1/4	8,954	1/4	11,265	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	2,070	1/2	4,381	1/2	6,691	1/2	9,002	1/2	11,313	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	2,118	3/4	4,429	3/4	6,739	3/4	9,050	3/4	11,361	3/4		3/4		3/4	3/4	3/4		3/4	
11	2,166	11	4,477	11	6,788	11	9,098	11	11,409	11		11		11		11		11	
1/4	2,214	1/4	4,525	1/4	6,836	1/4	9,146	1/4	11,457	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	2,263	1/2	4,573	1/2	6,884	1/2	9,195	1/2	11,505	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	2,311	3/4	4,621	3/4	6,932	3/4	9,243	3/4	11,553	3/4		3/4		3/4	3/4	3/4		3/4	

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 AT GAUGE POINT.

STRAPPED: 10/02/2008
REPRINTED: 05/12/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2017

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 28748"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

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	2,334	0	4,668	0	7,002	0	9,337	0	11,671	0		0		0		0	
1/4	49	1/4	2,383	1/4	4,717	1/4	7,051	1/4	9,385	1/4	11,719	1/4		1/4		1/4		1/4	
1/2	97	1/2	2,431	1/2	4,766	1/2	7,100	1/2	9,434	1/2	11,768	1/2		1/2		1/2		1/2	
3/4	146	3/4	2,480	3/4	4,814	3/4	7,148	3/4	9,482	3/4	11,817	3/4		3/4		3/4		3/4	
1	195	1	2,529	1	4,863	1	7,197	1	9,531	1	11,865	1		1		1		1	
1/4	243	1/4	2,577	1/4	4,911	1/4	7,246	1/4	9,580	1/4	11,914	1/4		1/4		1/4		1/4	
1/2	292	1/2	2,626	1/2	4,960	1/2	7,294	1/2	9,628	1/2	11,962	1/2		1/2		1/2		1/2	
3/4	340	3/4	2,675	3/4	5,009	3/4	7,343	3/4	9,677	3/4	12,011	3/4		3/4		3/4		3/4	
2	389	2	2,723	2	5,057	2	7,391	2	9,726	2	12,060	2		2		2		2	
1/4	438	1/4	2,772	1/4	5,106	1/4	7,440	1/4	9,774	1/4	12,108	1/4		1/4		1/4		1/4	
1/2	486	1/2	2,820	1/2	5,155	1/2	7,489	1/2	9,823	1/2	12,157	1/2		1/2		1/2		1/2	
3/4	535	3/4	2,869	3/4	5,203	3/4	7,537	3/4	9,871	3/4	12,206	3/4		3/4		3/4		3/4	
3	584	3	2,918	3	5,252	3	7,586	3	9,920	3	12,254	3		3		3		3	
1/4	632	1/4	2,966	1/4	5,300	1/4	7,635	1/4	9,969	1/4	12,303	1/4		1/4		1/4		1/4	
1/2	681	1/2	3,015	1/2	5,349	1/2	7,683	1/2	10,017	1/2	12,351	1/2		1/2		1/2		1/2	
3/4	729	3/4	3,064	3/4	5,398	3/4	7,732	3/4	10,066	3/4	12,400	3/4		3/4		3/4		3/4	
4	778	4	3,112	4	5,446	4	7,780	4	10,115	4	12,449	4		4		4		4	
1/4	827	1/4	3,161	1/4	5,495	1/4	7,829	1/4	10,163	1/4	12,497	1/4		1/4		1/4		1/4	
1/2	875	1/2	3,209	1/2	5,544	1/2	7,878	1/2	10,212	1/2	12,546	1/2		1/2		1/2		1/2	
3/4	924	3/4	3,258	3/4	5,592	3/4	7,926	3/4	10,260	3/4	12,595	3/4		3/4		3/4		3/4	
5	973	5	3,307	5	5,641	5	7,975	5	10,309	5	12,643	5		5		5		5	
1/4	1,021	1/4	3,355	1/4	5,689	1/4	8,024	1/4	10,358	1/4	12,692	1/4		1/4		1/4		1/4	
1/2	1,070	1/2	3,404	1/2	5,738	1/2	8,072	1/2	10,406	1/2	12,740	1/2		1/2		1/2		1/2	
3/4	1,118	3/4	3,453	3/4	5,787	3/4	8,121	3/4	10,455	3/4	12,789	3/4		3/4		3/4		3/4	
6	1,167	6	3,501	6	5,835	6	8,169	6	10,504	6	12,838	6		6		6		6	
1/4	1,216	1/4	3,550	1/4	5,884	1/4	8,218	1/4	10,552	1/4	12,886	1/4		1/4		1/4		1/4	
1/2	1,264	1/2	3,598	1/2	5,933	1/2	8,267	1/2	10,601	1/2	12,935	1/2		1/2		1/2		1/2	
3/4	1,313	3/4	3,647	3/4	5,981	3/4	8,315	3/4	10,649	3/4	12,984	3/4		3/4		3/4		3/4	
7	1,362	7	3,696	7	6,030	7	8,364	7	10,698	7	13,032	7		7		7		7	
1/4	1,410	1/4	3,744	1/4	6,078	1/4	8,413	1/4	10,747	1/4	13,081	1/4		1/4		1/4		1/4	
1/2	1,459	1/2	3,793	1/2	6,127	1/2	8,461	1/2	10,795	1/2	13,129	1/2		1/2		1/2		1/2	
3/4	1,507	3/4	3,842	3/4	6,176	3/4	8,510	3/4	10,844	3/4	13,178	3/4		3/4		3/4		3/4	
8	1,556	8	3,890	8	6,224	8	8,558	8	10,893	8	13,227	8		8		8		8	
1/4	1,605	1/4	3,939	1/4	6,273	1/4	8,607	1/4	10,941	1/4	13,275	1/4		1/4		1/4		1/4	
1/2	1,653	1/2	3,987	1/2	6,322	1/2	8,656	1/2	10,990	1/2	13,324	1/2		1/2		1/2		1/2	
3/4	1,702	3/4	4,036	3/4	6,370	3/4	8,704	3/4	11,038	3/4		3/4		3/4		3/4		3/4	
9	1,751	9	4,085	9	6,419	9	8,753	9	11,087	9		9		9		9		9	
1/4	1,799	1/4	4,133	1/4	6,467	1/4	8,802	1/4	11,136	1/4		1/4		1/4		1/4		1/4	
1/2	1,848	1/2	4,182	1/2	6,516	1/2	8,850	1/2	11,184	1/2		1/2		1/2		1/2		1/2	
3/4	1,896	3/4	4,231	3/4	6,565	3/4	8,899	3/4	11,233	3/4		3/4		3/4		3/4		3/4	
10	1,945	10	4,279	10	6,613	10	8,947	10	11,282	10		10		10		10		10	
1/4	1,994	1/4	4,328	1/4	6,662	1/4	8,996	1/4	11,330	1/4		1/4		1/4		1/4		1/4	
1/2	2,042	1/2	4,376	1/2	6,711	1/2	9,045	1/2	11,379	1/2		1/2		1/2		1/2		1/2	
3/4	2,091	3/4	4,425	3/4	6,759	3/4	9,093	3/4	11,428	3/4		3/4		3/4		3/4		3/4	
11	2,140	11	4,474	11	6,808	11	9,142	11	11,476	11		11		11		11		11	
1/4	2,188	1/4	4,522	1/4	6,857	1/4	9,191	1/4	11,525	1/4		1/4		1/4		1/4		1/4	
1/2	2,237	1/2	4,571	1/2	6,905	1/2	9,239	1/2	11,573	1/2		1/2		1/2		1/2		1/2	
3/4	2,286	3/4	4,620	3/4	6,954	3/4	9,288	3/4	11,622	3/4		3/4		3/4		3/4		3/4	

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.

STRAPPED: 07/27/2022 JS
CALCULATED: 07/27/2022 CL
PRINTED: 07/27/2022 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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