



BARGE "KIRBY 29131"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	01-7/8	- 01-7/8
1 STBD	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-7/8	- 01-7/8
2 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
2 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 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
3 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	01-7/8	- 01-7/8	02-1/4	- 02-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-5/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

February 4, 2015

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29131"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN 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		0		0		0	4,943.16	0	4,609.76	0	4,270.91	0	3,915.60	0	3,544.45	0	3,168.70	0	2,791.44
1/4	1/4		1/4		1/4	1/4	4,937.79	1/4	4,602.88	1/4	4,263.68	1/4	3,908.03	1/4	3,536.62	1/4	3,160.84	1/4	2,783.58
1/2		1/2		1/2		1/2	4,931.12	1/2	4,595.97	1/2	4,256.43	1/2	3,900.43	1/2	3,528.80	1/2	3,152.98	1/2	2,775.72
3/4		3/4		3/4		3/4	4,924.46	3/4	4,589.06	3/4	4,249.18	3/4	3,892.83	3/4	3,520.97	3/4	3,145.12	3/4	2,767.86
1		1		1		1	4,917.80	1	4,582.16	1	4,241.93	1	3,885.24	1	3,513.15	1	3,137.26	1	2,760.00
1/4	1/4		1/4		1/4	1/4	4,911.13	1/4	4,575.25	1/4	4,234.68	1/4	3,877.64	1/4	3,505.32	1/4	3,129.40	1/4	2,752.14
1/2		1/2		1/2		1/2	4,903.54	1/2	4,568.31	1/2	4,227.40	1/2	3,870.01	1/2	3,497.50	1/2	3,121.54	1/2	2,744.28
3/4		3/4		3/4		3/4	4,895.94	3/4	4,561.38	3/4	4,220.12	3/4	3,862.39	3/4	3,489.67	3/4	3,113.68	3/4	2,736.42
2		2		2		2	4,888.34	2	4,554.44	2	4,212.84	2	3,854.77	2	3,481.85	2	3,105.82	2	2,728.56
1/4	1/4		1/4		1/4	1/4	4,880.75	1/4	4,547.50	1/4	4,205.56	1/4	3,847.15	1/4	3,474.02	1/4	3,097.96	1/4	2,720.70
1/2		1/2		1/2		1/2	4,872.92	1/2	4,540.54	1/2	4,198.26	1/2	3,839.50	1/2	3,466.20	1/2	3,090.10	1/2	2,712.84
3/4		3/4		3/4		3/4	4,865.10	3/4	4,533.58	3/4	4,190.95	3/4	3,831.84	3/4	3,458.37	3/4	3,082.24	3/4	2,704.98
3		3		3		3	4,857.27	3	4,526.61	3	4,183.64	3	3,824.19	3	3,450.55	3	3,074.39	3	2,697.12
1/4	1/4		1/4		1/4	1/4	4,849.45	1/4	4,519.65	1/4	4,176.33	1/4	3,816.54	1/4	3,442.73	1/4	3,066.53	1/4	2,689.26
1/2		1/2		1/2		1/2	4,842.06	1/2	4,512.65	1/2	4,168.99	1/2	3,808.86	1/2	3,434.90	1/2	3,058.67	1/2	2,681.41
3/4		3/4		3/4		3/4	4,834.67	3/4	4,505.66	3/4	4,161.66	3/4	3,801.18	3/4	3,427.08	3/4	3,050.81	3/4	2,673.55
4		4		4		4	4,827.27	4	4,498.66	4	4,154.32	4	3,793.50	4	3,419.25	4	3,042.95	4	2,665.69
1/4	1/4		1/4		1/4	1/4	4,819.88	1/4	4,491.67	1/4	4,146.98	1/4	3,785.82	1/4	3,411.43	1/4	3,035.09	1/4	2,657.83
1/2		1/2		1/2		1/2	4,813.20	1/2	4,484.65	1/2	4,139.62	1/2	3,778.11	1/2	3,403.60	1/2	3,027.23	1/2	2,649.97
3/4		3/4		3/4		3/4	4,806.52	3/4	4,477.62	3/4	4,132.25	3/4	3,770.40	3/4	3,395.78	3/4	3,019.37	3/4	2,642.11
5		5		5		5	4,799.84	5	4,470.60	5	4,124.89	5	3,762.70	5	3,387.95	5	3,011.51	5	2,634.25
1/4	1/4		1/4		1/4	1/4	4,793.16	1/4	4,463.58	1/4	4,117.52	1/4	3,754.99	1/4	3,380.13	1/4	3,003.65	1/4	2,626.39
1/2		1/2		1/2		1/2	4,786.45	1/2	4,456.53	1/2	4,110.12	1/2	3,747.25	1/2	3,372.30	1/2	2,995.79	1/2	2,618.53
3/4		3/4		3/4		3/4	4,779.74	3/4	4,449.47	3/4	4,102.73	3/4	3,739.51	3/4	3,364.48	3/4	2,987.93	3/4	2,610.67
6		6		6		6	4,773.03	6	4,442.42	6	4,095.34	6	3,731.77	6	3,356.65	6	2,980.07	6	2,602.81
1/4	1/4		1/4		1/4	1/4	4,766.32	1/4	4,435.37	1/4	4,087.94	1/4	3,724.03	1/4	3,348.83	1/4	2,972.21	1/4	2,594.95
1/2		1/2		1/2		1/2	4,759.59	1/2	4,428.29	1/2	4,080.52	1/2	3,716.27	1/2	3,341.00	1/2	2,964.35	1/2	2,587.09
3/4		3/4		3/4		3/4	4,752.85	3/4	4,421.21	3/4	4,073.09	3/4	3,708.50	3/4	3,333.18	3/4	2,956.49	3/4	2,579.23
7		7		7		7	4,746.11	7	4,414.13	7	4,065.67	7	3,700.74	7	3,325.35	7	2,948.63	7	2,571.37
1/4	1/4		1/4		1/4	1/4	4,739.37	1/4	4,407.05	1/4	4,058.25	1/4	3,692.97	1/4	3,317.53	1/4	2,940.77	1/4	2,563.51
1/2		1/2		1/2		1/2	4,732.60	1/2	4,399.94	1/2	4,050.79	1/2	3,685.17	1/2	3,309.70	1/2	2,932.91	1/2	2,555.65
3/4		3/4		3/4		3/4	4,725.84	3/4	4,392.83	3/4	4,043.34	3/4	3,677.38	3/4	3,301.88	3/4	2,925.05	3/4	2,547.79
8		8		8		8	4,719.07	8	4,385.72	8	4,035.89	8	3,669.58	8	3,294.05	8	2,917.19	8	2,539.93
1/4	1/4		1/4		1/4	1/4	4,712.30	1/4	4,378.61	1/4	4,028.44	1/4	3,661.79	1/4	3,286.23	1/4	2,909.33	1/4	2,532.07
1/2		1/2		1/2		1/2	4,705.51	1/2	4,371.47	1/2	4,020.96	1/2	3,653.97	1/2	3,278.40	1/2	2,901.47	1/2	2,524.21
3/4		3/4		3/4		3/4	4,698.71	3/4	4,364.33	3/4	4,013.47	3/4	3,646.15	3/4	3,270.58	3/4	2,893.61	3/4	2,516.35
9		9		9		9	4,691.91	9	4,357.19	9	4,005.99	9	3,638.34	9	3,262.75	9	2,885.75	9	2,508.49
1/4	1/4		1/4		1/4	1/4	4,685.11	1/4	4,350.05	1/4	3,998.51	1/4	3,630.52	1/4	3,254.93	1/4	2,877.90	1/4	2,500.63
1/2		1/2		1/2		1/2	4,678.29	1/2	4,342.88	1/2	3,991.00	1/2	3,622.70	1/2	3,247.11	1/2	2,870.04	1/2	2,492.77
3/4		3/4		3/4		3/4	4,671.47	3/4	4,335.72	3/4	3,983.49	3/4	3,614.87	3/4	3,239.28	3/4	2,862.18	3/4	2,484.92
10		10		10		10	4,664.64	10	4,328.55	10	3,975.98	10	3,607.05	10	3,231.46	10	2,854.32	10	2,477.06
1/4	1/4		1/4		1/4	1/4	4,657.82	1/4	4,321.38	1/4	3,968.47	1/4	3,599.22	1/4	3,223.63	1/4	2,846.46	1/4	2,469.20
1/2		1/2		1/2		1/2	4,650.96	1/2	4,314.18	1/2	3,960.93	1/2	3,591.40	1/2	3,215.79	1/2	2,838.60	1/2	2,461.34
3/4		3/4		3/4		3/4	4,644.11	3/4	4,306.98	3/4	3,953.39	3/4	3,583.57	3/4	3,207.96	3/4	2,830.74	3/4	2,453.48
11		11		11		11	4,637.25	11	4,299.79	11	3,945.85	11	3,575.75	11	3,200.12	11	2,822.88	11	2,445.62
1/4	1/4		1/4		1/4	1/4	4,630.39	1/4	4,292.59	1/4	3,938.31	1/4	3,567.92	1/4	3,192.28	1/4	2,815.02	1/4	2,437.76
1/2		1/2		1/2		1/2	4,623.52	1/2	4,285.36	1/2	3,930.74	1/2	3,560.10	1/2	3,184.42	1/2	2,807.16	1/2	2,429.90
3/4		3/4		3/4		3/4	4,616.64	3/4	4,278.14	3/4	3,923.17	3/4	3,552.27	3/4	3,176.56	3/4	2,799.30	3/4	2,422.04

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'-09" OFF CENTERLINE AND 52'-00" 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 29131"

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

Table with columns for gauge height (IN) and capacity (10 FT. to 19 FT.) for various fill levels (0, 1/4, 1/2, 3/4). Each cell contains a numerical value representing capacity in barrels.

STRAPPED: 02/04/2015 CL
CALCULATED: 02/04/2015 CL
PRINTED: 02/04/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2015

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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Signature of company representative



BARGE "KIRBY 29131"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,627.42	0	4,289.12	0	3,934.32	0	3,563.51	0	3,187.66	0	2,810.22
1/4		1/4		1/4		1/4	4,952.58	1/4	4,620.54	1/4	4,281.88	1/4	3,926.75	1/4	3,555.68	1/4	3,179.79	1/4	2,802.36
1/2		1/2		1/2		1/2	4,947.21	1/2	4,613.66	1/2	4,274.65	1/2	3,919.18	1/2	3,547.86	1/2	3,171.93	1/2	2,794.50
3/4		3/4		3/4		3/4	4,941.84	3/4	4,606.78	3/4	4,267.42	3/4	3,911.61	3/4	3,540.03	3/4	3,164.07	3/4	2,786.63
1		1		1		1	4,935.17	1	4,599.87	1	4,260.17	1	3,904.01	1	3,532.20	1	3,156.20	1	2,778.77
1/4		1/4		1/4		1/4	4,928.50	1/4	4,592.96	1/4	4,252.92	1/4	3,896.40	1/4	3,524.37	1/4	3,148.34	1/4	2,770.91
1/2		1/2		1/2		1/2	4,921.84	1/2	4,586.05	1/2	4,245.66	1/2	3,888.80	1/2	3,516.54	1/2	3,140.48	1/2	2,763.04
3/4		3/4		3/4		3/4	4,915.17	3/4	4,579.14	3/4	4,238.41	3/4	3,881.20	3/4	3,508.71	3/4	3,132.61	3/4	2,755.18
2		2		2		2	4,907.57	2	4,572.20	2	4,231.13	2	3,873.57	2	3,500.89	2	3,124.75	2	2,747.32
1/4		1/4		1/4		1/4	4,899.97	1/4	4,565.26	1/4	4,223.84	1/4	3,865.95	1/4	3,493.06	1/4	3,116.89	1/4	2,739.45
1/2		1/2		1/2		1/2	4,892.37	1/2	4,558.32	1/2	4,216.56	1/2	3,858.32	1/2	3,485.23	1/2	3,109.02	1/2	2,731.59
3/4		3/4		3/4		3/4	4,884.77	3/4	4,551.38	3/4	4,209.28	3/4	3,850.69	3/4	3,477.40	3/4	3,101.16	3/4	2,723.73
3		3		3		3	4,876.95	3	4,544.41	3	4,201.97	3	3,843.04	3	3,469.57	3	3,093.30	3	2,715.86
1/4		1/4		1/4		1/4	4,869.12	1/4	4,537.44	1/4	4,194.65	1/4	3,835.39	1/4	3,461.74	1/4	3,085.43	1/4	2,708.00
1/2		1/2		1/2		1/2	4,861.29	1/2	4,530.47	1/2	4,187.34	1/2	3,827.73	1/2	3,453.92	1/2	3,077.57	1/2	2,700.14
3/4		3/4		3/4		3/4	4,853.46	3/4	4,523.50	3/4	4,180.03	3/4	3,820.08	3/4	3,446.09	3/4	3,069.71	3/4	2,692.27
4		4		4		4	4,846.07	4	4,516.51	4	4,172.69	4	3,812.39	4	3,438.26	4	3,061.85	4	2,684.41
1/4		1/4		1/4		1/4	4,838.67	1/4	4,509.51	1/4	4,165.35	1/4	3,804.71	1/4	3,430.43	1/4	3,053.98	1/4	2,676.55
1/2		1/2		1/2		1/2	4,831.27	1/2	4,502.51	1/2	4,158.01	1/2	3,797.03	1/2	3,422.60	1/2	3,046.12	1/2	2,668.69
3/4		3/4		3/4		3/4	4,823.88	3/4	4,495.51	3/4	4,150.67	3/4	3,789.34	3/4	3,414.77	3/4	3,038.26	3/4	2,660.82
5		5		5		5	4,817.19	5	4,488.49	5	4,143.30	5	3,781.63	5	3,406.95	5	3,030.39	5	2,652.96
1/4		1/4		1/4		1/4	4,810.51	1/4	4,481.46	1/4	4,135.93	1/4	3,773.92	1/4	3,399.12	1/4	3,022.53	1/4	2,645.10
1/2		1/2		1/2		1/2	4,803.83	1/2	4,474.44	1/2	4,128.56	1/2	3,766.21	1/2	3,391.29	1/2	3,014.67	1/2	2,637.23
3/4		3/4		3/4		3/4	4,797.14	3/4	4,467.41	3/4	4,121.19	3/4	3,758.49	3/4	3,383.46	3/4	3,006.80	3/4	2,629.37
6		6		6		6	4,790.43	6	4,460.36	6	4,113.79	6	3,750.75	6	3,375.63	6	2,998.94	6	2,621.51
1/4		1/4		1/4		1/4	4,783.72	1/4	4,453.30	1/4	4,106.40	1/4	3,743.01	1/4	3,367.80	1/4	2,991.08	1/4	2,613.64
1/2		1/2		1/2		1/2	4,777.01	1/2	4,446.25	1/2	4,099.00	1/2	3,735.27	1/2	3,359.97	1/2	2,983.21	1/2	2,605.78
3/4		3/4		3/4		3/4	4,770.30	3/4	4,439.19	3/4	4,091.60	3/4	3,727.53	3/4	3,352.15	3/4	2,975.35	3/4	2,597.92
7		7		7		7	4,763.56	7	4,432.11	7	4,084.17	7	3,719.76	7	3,344.32	7	2,967.49	7	2,590.05
1/4		1/4		1/4		1/4	4,756.81	1/4	4,425.02	1/4	4,076.75	1/4	3,711.99	1/4	3,336.49	1/4	2,959.62	1/4	2,582.19
1/2		1/2		1/2		1/2	4,750.07	1/2	4,417.94	1/2	4,069.32	1/2	3,704.22	1/2	3,328.66	1/2	2,951.76	1/2	2,574.33
3/4		3/4		3/4		3/4	4,743.33	3/4	4,410.85	3/4	4,061.89	3/4	3,696.45	3/4	3,320.83	3/4	2,943.90	3/4	2,566.46
8		8		8		8	4,736.56	8	4,403.74	8	4,054.44	8	3,688.65	8	3,313.00	8	2,936.03	8	2,558.60
1/4		1/4		1/4		1/4	4,729.79	1/4	4,396.63	1/4	4,046.98	1/4	3,680.85	1/4	3,305.18	1/4	2,928.17	1/4	2,550.74
1/2		1/2		1/2		1/2	4,723.02	1/2	4,389.51	1/2	4,039.53	1/2	3,673.05	1/2	3,297.35	1/2	2,920.31	1/2	2,542.87
3/4		3/4		3/4		3/4	4,716.25	3/4	4,382.40	3/4	4,032.07	3/4	3,665.25	3/4	3,289.52	3/4	2,912.44	3/4	2,535.01
9		9		9		9	4,709.45	9	4,375.26	9	4,024.58	9	3,657.43	9	3,281.69	9	2,904.58	9	2,527.15
1/4		1/4		1/4		1/4	4,702.65	1/4	4,368.12	1/4	4,017.10	1/4	3,649.61	1/4	3,273.86	1/4	2,896.72	1/4	2,519.28
1/2		1/2		1/2		1/2	4,695.85	1/2	4,360.97	1/2	4,009.61	1/2	3,641.79	1/2	3,266.03	1/2	2,888.85	1/2	2,511.42
3/4		3/4		3/4		3/4	4,689.05	3/4	4,353.83	3/4	4,002.13	3/4	3,633.97	3/4	3,258.21	3/4	2,880.99	3/4	2,503.56
10		10		10		10	4,682.22	10	4,346.66	10	3,994.61	10	3,626.14	10	3,250.38	10	2,873.13	10	2,495.69
1/4		1/4		1/4		1/4	4,675.39	1/4	4,339.49	1/4	3,987.10	1/4	3,618.31	1/4	3,242.55	1/4	2,865.27	1/4	2,487.83
1/2		1/2		1/2		1/2	4,668.57	1/2	4,332.32	1/2	3,979.59	1/2	3,610.48	1/2	3,234.72	1/2	2,857.40	1/2	2,479.97
3/4		3/4		3/4		3/4	4,661.74	3/4	4,325.15	3/4	3,972.07	3/4	3,602.65	3/4	3,226.89	3/4	2,849.54	3/4	2,472.11
11		11		11		11	4,654.88	11	4,317.95	11	3,964.53	11	3,594.83	11	3,219.05	11	2,841.68	11	2,464.24
1/4		1/4		1/4		1/4	4,648.02	1/4	4,310.75	1/4	3,956.98	1/4	3,587.00	1/4	3,211.21	1/4	2,833.81	1/4	2,456.38
1/2		1/2		1/2		1/2	4,641.16	1/2	4,303.55	1/2	3,949.44	1/2	3,579.17	1/2	3,203.36	1/2	2,825.95	1/2	2,448.52
3/4		3/4		3/4		3/4	4,634.30	3/4	4,296.35	3/4	3,941.90	3/4	3,571.34	3/4	3,195.52	3/4	2,818.09	3/4	2,440.65

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'-09" OFF CENTERLINE AND 52'-00" 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 29131"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,432.79	0	2,055.36	0	1,677.92	0	1,300.49	0	923.33	0	546.03	0	195.78	0		0		0	
1/4	2,424.93	1/4	2,047.49	1/4	1,670.06	1/4	1,292.63	1/4	915.48	1/4	538.17	1/4	189.16	1/4		1/4		1/4	
1/2	2,417.06	1/2	2,039.63	1/2	1,662.20	1/2	1,284.76	1/2	907.62	1/2	530.32	1/2	182.54	1/2		1/2		1/2	
3/4	2,409.20	3/4	2,031.77	3/4	1,654.33	3/4	1,276.90	3/4	899.77	3/4	522.47	3/4	175.92	3/4		3/4		3/4	
1	2,401.34	1	2,023.90	1	1,646.47	1	1,269.04	1	891.92	1	514.66	1	169.41	1		1		1	
1/4	2,393.47	1/4	2,016.04	1/4	1,638.61	1/4	1,261.17	1/4	884.07	1/4	506.86	1/4	162.90	1/4		1/4		1/4	
1/2	2,385.61	1/2	2,008.18	1/2	1,630.74	1/2	1,253.31	1/2	876.22	1/2	499.05	1/2	156.39	1/2		1/2		1/2	
3/4	2,377.75	3/4	2,000.31	3/4	1,622.88	3/4	1,245.45	3/4	868.37	3/4	491.25	3/4	149.88	3/4		3/4		3/4	
2	2,369.88	2	1,992.45	2	1,615.02	2	1,237.58	2	860.51	2	483.54	2	143.49	2		2		2	
1/4	2,362.02	1/4	1,984.59	1/4	1,607.15	1/4	1,229.72	1/4	852.66	1/4	475.82	1/4	137.10	1/4		1/4		1/4	
1/2	2,354.16	1/2	1,976.72	1/2	1,599.29	1/2	1,221.86	1/2	844.80	1/2	468.11	1/2	130.71	1/2		1/2		1/2	
3/4	2,346.29	3/4	1,968.86	3/4	1,591.43	3/4	1,213.99	3/4	836.95	3/4	460.40	3/4	124.31	3/4		3/4		3/4	
3	2,338.43	3	1,961.00	3	1,583.56	3	1,206.13	3	829.08	3	452.79	3	118.04	3		3		3	
1/4	2,330.57	1/4	1,953.13	1/4	1,575.70	1/4	1,198.27	1/4	821.22	1/4	445.19	1/4	111.77	1/4		1/4		1/4	
1/2	2,322.70	1/2	1,945.27	1/2	1,567.84	1/2	1,190.40	1/2	813.36	1/2	437.59	1/2	105.50	1/2		1/2		1/2	
3/4	2,314.84	3/4	1,937.41	3/4	1,559.97	3/4	1,182.54	3/4	805.50	3/4	429.98	3/4	99.22	3/4		3/4		3/4	
4	2,306.98	4	1,929.54	4	1,552.11	4	1,174.68	4	797.63	4	422.49	4	93.08	4		4		4	
1/4	2,299.11	1/4	1,921.68	1/4	1,544.25	1/4	1,166.81	1/4	789.77	1/4	414.99	1/4	86.94	1/4		1/4		1/4	
1/2	2,291.25	1/2	1,913.82	1/2	1,536.38	1/2	1,158.95	1/2	781.91	1/2	407.50	1/2	80.79	1/2		1/2		1/2	
3/4	2,283.39	3/4	1,905.95	3/4	1,528.52	3/4	1,151.09	3/4	774.04	3/4	400.01	3/4	74.65	3/4		3/4		3/4	
5	2,275.53	5	1,898.09	5	1,520.66	5	1,143.22	5	766.18	5	392.62	5	68.65	5		5		5	
1/4	2,267.66	1/4	1,890.23	1/4	1,512.79	1/4	1,135.36	1/4	758.32	1/4	385.24	1/4	62.65	1/4		1/4		1/4	
1/2	2,259.80	1/2	1,882.37	1/2	1,504.93	1/2	1,127.50	1/2	750.45	1/2	377.85	1/2	56.64	1/2		1/2		1/2	
3/4	2,251.94	3/4	1,874.50	3/4	1,497.07	3/4	1,119.63	3/4	742.59	3/4	370.47	3/4	50.64	3/4		3/4		3/4	
6	2,244.07	6	1,866.64	6	1,489.21	6	1,111.78	6	734.73	6	363.19	6	45.23	6		6		6	
1/4	2,236.21	1/4	1,858.78	1/4	1,481.34	1/4	1,103.92	1/4	726.87	1/4	355.91	1/4	39.82	1/4		1/4		1/4	
1/2	2,228.35	1/2	1,850.91	1/2	1,473.48	1/2	1,096.06	1/2	719.00	1/2	348.64	1/2	34.41	1/2		1/2		1/2	
3/4	2,220.48	3/4	1,843.05	3/4	1,465.62	3/4	1,088.20	3/4	711.14	3/4	341.36	3/4	29.00	3/4		3/4		3/4	
7	2,212.62	7	1,835.19	7	1,457.75	7	1,080.35	7	703.28	7	334.20	7	25.05	7		7		7	
1/4	2,204.76	1/4	1,827.32	1/4	1,449.89	1/4	1,072.50	1/4	695.41	1/4	327.03	1/4	21.09	1/4		1/4		1/4	
1/2	2,196.89	1/2	1,819.46	1/2	1,442.03	1/2	1,064.65	1/2	687.55	1/2	319.86	1/2	17.13	1/2		1/2		1/2	
3/4	2,189.03	3/4	1,811.60	3/4	1,434.16	3/4	1,056.80	3/4	679.69	3/4	312.70	3/4	13.17	3/4		3/4		3/4	
8	2,181.17	8	1,803.73	8	1,426.30	8	1,048.94	8	671.82	8	305.64	8		8		8		8	
1/4	2,173.30	1/4	1,795.87	1/4	1,418.44	1/4	1,041.09	1/4	663.96	1/4	298.58	1/4		1/4		1/4		1/4	
1/2	2,165.44	1/2	1,788.01	1/2	1,410.57	1/2	1,033.24	1/2	656.10	1/2	291.52	1/2		1/2		1/2		1/2	
3/4	2,157.58	3/4	1,780.14	3/4	1,402.71	3/4	1,025.39	3/4	648.24	3/4	284.47	3/4		3/4		3/4		3/4	
9	2,149.71	9	1,772.28	9	1,394.85	9	1,017.54	9	640.37	9	277.52	9		9		9		9	
1/4	2,141.85	1/4	1,764.42	1/4	1,386.98	1/4	1,009.69	1/4	632.51	1/4	270.57	1/4		1/4		1/4		1/4	
1/2	2,133.99	1/2	1,756.55	1/2	1,379.12	1/2	1,001.84	1/2	624.65	1/2	263.62	1/2		1/2		1/2		1/2	
3/4	2,126.12	3/4	1,748.69	3/4	1,371.26	3/4	993.99	3/4	616.78	3/4	256.67	3/4		3/4		3/4		3/4	
10	2,118.26	10	1,740.83	10	1,363.39	10	986.14	10	608.92	10	249.84	10		10		10		10	
1/4	2,110.40	1/4	1,732.96	1/4	1,355.53	1/4	978.28	1/4	601.06	1/4	243.00	1/4		1/4		1/4		1/4	
1/2	2,102.53	1/2	1,725.10	1/2	1,347.67	1/2	970.43	1/2	593.19	1/2	236.16	1/2		1/2		1/2		1/2	
3/4	2,094.67	3/4	1,717.24	3/4	1,339.80	3/4	962.58	3/4	585.33	3/4	229.32	3/4		3/4		3/4		3/4	
11	2,086.81	11	1,709.37	11	1,331.94	11	954.73	11	577.47	11	222.59	11		11		11		11	
1/4	2,078.95	1/4	1,701.51	1/4	1,324.08	1/4	946.88	1/4	569.61	1/4	215.86	1/4		1/4		1/4		1/4	
1/2	2,071.08	1/2	1,693.65	1/2	1,316.21	1/2	939.03	1/2	561.74	1/2	209.13	1/2		1/2		1/2		1/2	
3/4	2,063.22	3/4	1,685.79	3/4	1,308.35	3/4	931.18	3/4	553.88	3/4	202.40	3/4		3/4		3/4		3/4	

STRAPPED: 02/04/2015 CL
CALCULATED: 02/04/2015 CL
PRINTED: 02/04/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2015

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "KIRBY 29131"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	4,475.29	0	4,152.31	0	3,814.17	0	3,461.16	0	3,103.06	0	2,743.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,468.72	1/4	4,145.43	1/4	3,806.97	1/4	3,453.70	1/4	3,095.59	1/4	2,735.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,462.14	1/2	4,138.52	1/2	3,799.74	1/2	3,446.24	1/2	3,088.10	1/2	2,728.49		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,455.55	3/4	4,131.61	3/4	3,792.52	3/4	3,438.78	3/4	3,080.61	3/4	2,721.00		
1		1		1		1	4,767.92	1	4,448.96	1	4,124.70	1	3,785.30	1	3,431.32	1	3,073.11	1	2,713.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,762.80	1/4	4,442.37	1/4	4,117.79	1/4	3,778.07	1/4	3,423.86	1/4	3,065.62	1/4	2,706.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,756.45	1/2	4,435.75	1/2	4,110.86	1/2	3,770.82	1/2	3,416.40	1/2	3,058.13	1/2	2,698.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,750.10	3/4	4,429.14	3/4	4,103.93	3/4	3,763.57	3/4	3,408.94	3/4	3,050.64	3/4	2,691.03
2		2		2		2	4,743.75	2	4,422.52	2	4,096.99	2	3,756.32	2	3,401.48	2	3,043.15	2	2,683.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,737.40	1/4	4,415.91	1/4	4,090.06	1/4	3,749.07	1/4	3,394.02	1/4	3,035.66	1/4	2,676.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,730.16	1/2	4,409.26	1/2	4,083.11	1/2	3,741.79	1/2	3,386.56	1/2	3,028.16	1/2	2,668.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,722.92	3/4	4,402.62	3/4	4,076.15	3/4	3,734.52	3/4	3,379.10	3/4	3,020.67	3/4	2,661.07
3		3		3		3	4,715.68	3	4,395.98	3	4,069.19	3	3,727.25	3	3,371.64	3	3,013.18	3	2,653.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,708.44	1/4	4,389.34	1/4	4,062.23	1/4	3,719.97	1/4	3,364.18	1/4	3,005.69	1/4	2,646.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,700.98	1/2	4,382.67	1/2	4,055.25	1/2	3,712.67	1/2	3,356.72	1/2	2,998.20	1/2	2,638.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,693.52	3/4	4,376.00	3/4	4,048.26	3/4	3,705.37	3/4	3,349.27	3/4	2,990.71	3/4	2,631.10
4		4		4		4	4,686.06	4	4,369.33	4	4,041.28	4	3,698.07	4	3,341.81	4	2,983.21	4	2,623.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,678.60	1/4	4,362.66	1/4	4,034.29	1/4	3,690.77	1/4	3,334.35	1/4	2,975.72	1/4	2,616.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,671.54	1/2	4,355.97	1/2	4,027.28	1/2	3,683.45	1/2	3,326.89	1/2	2,968.23	1/2	2,608.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,664.48	3/4	4,349.27	3/4	4,020.27	3/4	3,676.12	3/4	3,319.43	3/4	2,960.74	3/4	2,601.13
5		5		5		5	4,657.42	5	4,342.58	5	4,013.26	5	3,668.79	5	3,311.97	5	2,953.25	5	2,593.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,650.35	1/4	4,335.88	1/4	4,006.25	1/4	3,661.47	1/4	3,304.51	1/4	2,945.75	1/4	2,586.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,643.95	1/2	4,328.16	1/2	3,999.22	1/2	3,654.11	1/2	3,297.05	1/2	2,938.26	1/2	2,578.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,637.54	3/4	4,322.44	3/4	3,992.18	3/4	3,646.76	3/4	3,289.59	3/4	2,930.77	3/4	2,571.16
6		6		6		6	4,631.13	6	4,315.72	6	3,985.14	6	3,639.41	6	3,282.13	6	2,923.28	6	2,563.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,624.73	1/4	4,308.99	1/4	3,978.10	1/4	3,632.06	1/4	3,274.67	1/4	2,915.79	1/4	2,556.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,618.30	1/2	4,302.25	1/2	3,971.04	1/2	3,624.68	1/2	3,267.21	1/2	2,908.30	1/2	2,548.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,611.86	3/4	4,295.50	3/4	3,963.98	3/4	3,617.30	3/4	3,259.75	3/4	2,900.80	3/4	2,541.20
7		7		7		7	4,605.43	7	4,288.75	7	3,956.91	7	3,609.92	7	3,252.29	7	2,893.31	7	2,533.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,599.00	1/4	4,282.00	1/4	3,949.85	1/4	3,602.54	1/4	3,244.83	1/4	2,885.82	1/4	2,526.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,592.54	1/2	4,275.23	1/2	3,942.76	1/2	3,595.13	1/2	3,237.37	1/2	2,878.33	1/2	2,518.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,586.08	3/4	4,268.45	3/4	3,935.67	3/4	3,587.73	3/4	3,229.91	3/4	2,870.84	3/4	2,511.23
8		8		8		8	4,579.62	8	4,261.68	8	3,928.58	8	3,580.32	8	3,222.45	8	2,863.34	8	2,503.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,573.16	1/4	4,254.90	1/4	3,921.48	1/4	3,572.91	1/4	3,214.99	1/4	2,855.85	1/4	2,496.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,566.67	1/2	4,248.10	1/2	3,914.37	1/2	3,565.48	1/2	3,207.53	1/2	2,848.36	1/2	2,488.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,560.18	3/4	4,241.30	3/4	3,907.25	3/4	3,558.05	3/4	3,200.07	3/4	2,840.87	3/4	2,481.26
9		9		9		9	4,553.70	9	4,234.49	9	3,900.13	9	3,550.62	9	3,192.61	9	2,833.38	9	2,473.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,547.21	1/4	4,227.69	1/4	3,893.02	1/4	3,543.18	1/4	3,185.15	1/4	2,825.89	1/4	2,466.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,540.70	1/2	4,220.86	1/2	3,885.87	1/2	3,535.73	1/2	3,177.69	1/2	2,818.39	1/2	2,458.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,534.18	3/4	4,214.03	3/4	3,878.73	3/4	3,528.28	3/4	3,170.23	3/4	2,810.90	3/4	2,451.30
10		10		10		10	4,527.67	10	4,207.21	10	3,871.58	10	3,520.83	10	3,162.78	10	2,803.41	10	2,443.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,521.15	1/4	4,200.38	1/4	3,864.44	1/4	3,513.38	1/4	3,155.32	1/4	2,795.92	1/4	2,436.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,514.61	1/2	4,193.52	1/2	3,857.27	1/2	3,505.92	1/2	3,147.86	1/2	2,788.43	1/2	2,428.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,508.07	3/4	4,186.67	3/4	3,850.10	3/4	3,498.46	3/4	3,140.40	3/4	2,780.93	3/4	2,421.33
11		11		11		11	4,501.53	11	4,179.81	11	3,842.93	11	3,491.00	11	3,132.94	11	2,773.44	11	2,413.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,495.00	1/4	4,172.95	1/4	3,835.76	1/4	3,483.54	1/4	3,125.48	1/4	2,765.95	1/4	2,406.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,488.43	1/2	4,166.07	1/2	3,828.56	1/2	3,476.08	1/2	3,118.01	1/2	2,758.46	1/2	2,398.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,481.86	3/4	4,159.19	3/4	3,821.36	3/4	3,468.62	3/4	3,110.53	3/4	2,750.97	3/4	2,391.36

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'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29131"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	2,383.87	0	2,024.26	0	1,664.66	0	1,313.13	0	967.71	0	610.38	0	250.79	0		0		0	
1/4	2,376.38	1/4	2,016.77	1/4	1,657.16	1/4	1,305.92	1/4	960.52	1/4	602.89	1/4	243.30	1/4		1/4		1/4	
1/2	2,368.89	1/2	2,009.28	1/2	1,649.67	1/2	1,298.71	1/2	953.33	1/2	595.40	1/2	235.81	1/2		1/2		1/2	
3/4	2,361.39	3/4	2,001.79	3/4	1,642.18	3/4	1,291.50	3/4	946.14	3/4	587.91	3/4	228.32	3/4		3/4		3/4	
1	2,353.90	1	1,994.30	1	1,634.69	1	1,284.29	1	938.96	1	580.42	1	220.83	1		1		1	
1/4	2,346.41	1/4	1,986.80	1/4	1,627.20	1/4	1,277.08	1/4	931.77	1/4	572.93	1/4	213.33	1/4		1/4		1/4	
1/2	2,338.92	1/2	1,979.31	1/2	1,619.71	1/2	1,269.87	1/2	924.46	1/2	565.43	1/2	205.84	1/2		1/2		1/2	
3/4	2,331.43	3/4	1,971.82	3/4	1,612.21	3/4	1,262.67	3/4	917.16	3/4	557.94	3/4	198.36	3/4		3/4		3/4	
2	2,323.93	2	1,964.33	2	1,604.72	2	1,255.46	2	909.86	2	550.45	2	190.87	2		2		2	
1/4	2,316.44	1/4	1,956.84	1/4	1,597.23	1/4	1,248.25	1/4	902.55	1/4	542.96	1/4	183.38	1/4		1/4		1/4	
1/2	2,308.95	1/2	1,949.34	1/2	1,589.74	1/2	1,241.04	1/2	895.06	1/2	535.47	1/2	175.89	1/2		1/2		1/2	
3/4	2,301.46	3/4	1,941.85	3/4	1,582.25	3/4	1,233.83	3/4	887.57	3/4	527.98	3/4	168.41	3/4		3/4		3/4	
3	2,293.97	3	1,934.36	3	1,574.75	3	1,226.62	3	880.08	3	520.49	3	160.93	3		3		3	
1/4	2,286.48	1/4	1,926.87	1/4	1,567.26	1/4	1,219.42	1/4	872.59	1/4	512.99	1/4	153.44	1/4		1/4		1/4	
1/2	2,278.98	1/2	1,919.38	1/2	1,559.77	1/2	1,212.21	1/2	865.09	1/2	505.50	1/2	145.97	1/2		1/2		1/2	
3/4	2,271.49	3/4	1,911.89	3/4	1,552.28	3/4	1,205.01	3/4	857.60	3/4	498.01	3/4	138.50	3/4		3/4		3/4	
4	2,264.00	4	1,904.39	4	1,544.79	4	1,197.81	4	850.11	4	490.52	4	131.03	4		4		4	
1/4	2,256.51	1/4	1,896.90	1/4	1,537.30	1/4	1,190.60	1/4	842.62	1/4	483.03	1/4	123.56	1/4		1/4		1/4	
1/2	2,249.02	1/2	1,889.41	1/2	1,529.81	1/2	1,183.41	1/2	835.13	1/2	475.54	1/2	116.10	1/2		1/2		1/2	
3/4	2,241.53	3/4	1,881.92	3/4	1,522.52	3/4	1,176.21	3/4	827.64	3/4	468.04	3/4	108.65	3/4		3/4		3/4	
5	2,234.03	5	1,874.43	5	1,515.14	5	1,169.01	5	820.15	5	460.55	5	101.20	5		5		5	
1/4	2,226.54	1/4	1,866.94	1/4	1,507.75	1/4	1,161.82	1/4	812.65	1/4	453.06	1/4	93.74	1/4		1/4		1/4	
1/2	2,219.05	1/2	1,859.44	1/2	1,500.54	1/2	1,154.63	1/2	805.16	1/2	445.57	1/2	86.32	1/2		1/2		1/2	
3/4	2,211.56	3/4	1,851.95	3/4	1,493.34	3/4	1,147.43	3/4	797.67	3/4	438.08	3/4	78.90	3/4		3/4		3/4	
6	2,204.07	6	1,844.46	6	1,486.13	6	1,140.24	6	790.18	6	430.59	6	71.47	6		6		6	
1/4	2,196.57	1/4	1,836.97	1/4	1,478.92	1/4	1,133.05	1/4	782.69	1/4	423.10	1/4	64.05	1/4		1/4		1/4	
1/2	2,189.08	1/2	1,829.48	1/2	1,471.71	1/2	1,125.86	1/2	775.20	1/2	415.60	1/2	57.09	1/2		1/2		1/2	
3/4	2,181.59	3/4	1,821.98	3/4	1,464.50	3/4	1,118.67	3/4	767.70	3/4	408.11	3/4	50.13	3/4		3/4		3/4	
7	2,174.10	7	1,814.49	7	1,457.29	7	1,111.48	7	760.21	7	400.62	7	43.16	7		7		7	
1/4	2,166.61	1/4	1,807.00	1/4	1,450.08	1/4	1,104.29	1/4	752.72	1/4	393.13	1/4	36.20	1/4		1/4		1/4	
1/2	2,159.12	1/2	1,799.51	1/2	1,442.88	1/2	1,097.10	1/2	745.23	1/2	385.64	1/2	30.90	1/2		1/2		1/2	
3/4	2,151.62	3/4	1,792.02	3/4	1,435.67	3/4	1,089.91	3/4	737.74	3/4	378.15	3/4	25.59	3/4		3/4		3/4	
8	2,144.13	8	1,784.53	8	1,428.46	8	1,082.73	8	730.25	8	370.66	8	20.29	8		8		8	
1/4	2,136.64	1/4	1,777.03	1/4	1,421.25	1/4	1,075.54	1/4	722.76	1/4	363.16	1/4	14.99	1/4		1/4		1/4	
1/2	2,129.15	1/2	1,769.54	1/2	1,414.04	1/2	1,068.35	1/2	715.26	1/2	355.67	1/2		1/2		1/2		1/2	
3/4	2,121.66	3/4	1,762.05	3/4	1,406.83	3/4	1,061.16	3/4	707.77	3/4	348.18	3/4		3/4		3/4		3/4	
9	2,114.16	9	1,754.56	9	1,399.63	9	1,053.97	9	700.28	9	340.69	9		9		9		9	
1/4	2,106.67	1/4	1,747.07	1/4	1,392.42	1/4	1,046.78	1/4	692.79	1/4	333.20	1/4		1/4		1/4		1/4	
1/2	2,099.18	1/2	1,739.57	1/2	1,385.21	1/2	1,039.59	1/2	685.30	1/2	325.71	1/2		1/2		1/2		1/2	
3/4	2,091.69	3/4	1,732.08	3/4	1,378.00	3/4	1,032.41	3/4	677.81	3/4	318.21	3/4		3/4		3/4		3/4	
10	2,084.20	10	1,724.59	10	1,370.79	10	1,025.22	10	670.32	10	310.72	10		10		10		10	
1/4	2,076.71	1/4	1,717.10	1/4	1,363.58	1/4	1,018.03	1/4	662.82	1/4	303.23	1/4		1/4		1/4		1/4	
1/2	2,069.21	1/2	1,709.61	1/2	1,356.38	1/2	1,010.84	1/2	655.33	1/2	295.74	1/2		1/2		1/2		1/2	
3/4	2,061.72	3/4	1,702.12	3/4	1,349.17	3/4	1,003.65	3/4	647.84	3/4	288.25	3/4		3/4		3/4		3/4	
11	2,054.23	11	1,694.62	11	1,341.96	11	996.46	11	640.35	11	280.76	11		11		11		11	
1/4	2,046.74	1/4	1,687.13	1/4	1,334.75	1/4	989.28	1/4	632.86	1/4	273.27	1/4		1/4		1/4		1/4	
1/2	2,039.25	1/2	1,679.64	1/2	1,327.54	1/2	982.09	1/2	625.37	1/2	265.77	1/2		1/2		1/2		1/2	
3/4	2,031.75	3/4	1,672.15	3/4	1,320.33	3/4	974.90	3/4	617.87	3/4	258.28	3/4		3/4		3/4		3/4	

STRAPPED: 02/04/2015 CL
CALCULATED: 02/04/2015 CL
PRINTED: 02/04/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2015

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29131"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	0	0	0	4,497.27	0	4,174.44	0	3,836.46	0	3,483.63	0	3,125.71	0	2,766.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,490.70	1/4	4,167.56	1/4	3,829.27	1/4	3,476.17	1/4	3,118.24	1/4	2,758.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,484.12	1/2	4,160.66	1/2	3,822.05	1/2	3,468.71	1/2	3,110.75	1/2	2,751.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,794.87	3/4	4,477.53	3/4	4,153.75	3/4	3,814.83	3/4	3,461.26	3/4	3,103.26
1	1	1	1	1	1	1	1	1	4,789.75	1	4,470.94	1	4,146.84	1	3,807.60	1	3,453.80	1	3,095.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,784.64	1/4	4,464.36	1/4	4,139.94	1/4	3,800.38	1/4	3,446.35	1/4	3,088.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,778.29	1/2	4,457.75	1/2	4,133.01	1/2	3,793.14	1/2	3,438.89	1/2	3,080.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,771.94	3/4	4,451.13	3/4	4,126.08	3/4	3,785.89	3/4	3,431.43	3/4	3,073.31
2	2	2	2	2	2	2	2	2	4,765.59	2	4,444.52	2	4,119.15	2	3,778.64	2	3,423.98	2	3,065.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,759.24	1/4	4,437.91	1/4	4,112.22	1/4	3,771.39	1/4	3,416.52	1/4	3,058.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,752.01	1/2	4,431.27	1/2	4,105.27	1/2	3,764.12	1/2	3,409.07	1/2	3,050.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,744.77	3/4	4,424.63	3/4	4,098.32	3/4	3,756.85	3/4	3,401.61	3/4	3,043.36
3	3	3	3	3	3	3	3	3	4,737.54	3	4,417.99	3	4,091.36	3	3,749.58	3	3,394.15	3	3,035.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,730.30	1/4	4,411.35	1/4	4,084.41	1/4	3,742.31	1/4	3,386.70	1/4	3,028.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,722.85	1/2	4,404.69	1/2	4,077.43	1/2	3,735.02	1/2	3,379.24	1/2	3,020.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,715.39	3/4	4,398.02	3/4	4,070.45	3/4	3,727.72	3/4	3,371.79	3/4	3,013.40
4	4	4	4	4	4	4	4	4	4,707.93	4	4,391.36	4	4,063.46	4	3,720.42	4	3,364.33	4	3,005.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,700.48	1/4	4,384.69	1/4	4,056.48	1/4	3,713.13	1/4	3,356.87	1/4	2,998.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,693.42	1/2	4,378.00	1/2	4,049.48	1/2	3,705.80	1/2	3,349.42	1/2	2,990.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,686.36	3/4	4,371.31	3/4	4,042.47	3/4	3,698.48	3/4	3,341.96	3/4	2,983.45
5	5	5	5	5	5	5	5	5	4,679.30	5	4,364.62	5	4,035.46	5	3,691.18	5	3,334.51	5	2,975.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,672.25	1/4	4,357.92	1/4	4,028.45	1/4	3,683.84	1/4	3,327.05	1/4	2,968.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,665.84	1/2	4,351.20	1/2	4,021.42	1/2	3,676.49	1/2	3,319.59	1/2	2,960.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,659.44	3/4	4,344.49	3/4	4,014.39	3/4	3,669.14	3/4	3,312.14	3/4	2,953.50
6	6	6	6	6	6	6	6	6	4,653.03	6	4,337.77	6	4,007.35	6	3,661.79	6	3,304.68	6	2,946.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,646.63	1/4	4,331.05	1/4	4,000.32	1/4	3,654.44	1/4	3,297.23	1/4	2,938.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,640.20	1/2	4,324.30	1/2	3,993.26	1/2	3,647.06	1/2	3,289.77	1/2	2,931.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,633.77	3/4	4,317.56	3/4	3,986.20	3/4	3,639.69	3/4	3,282.31	3/4	2,923.55
7	7	7	7	7	7	7	7	7	4,627.34	7	4,310.81	7	3,979.14	7	3,632.31	7	3,274.86	7	2,916.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,620.91	1/4	4,304.07	1/4	3,972.08	1/4	3,624.93	1/4	3,267.40	1/4	2,908.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,614.45	1/2	4,297.30	1/2	3,964.99	1/2	3,617.53	1/2	3,259.95	1/2	2,901.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,608.00	3/4	4,290.53	3/4	3,957.90	3/4	3,610.13	3/4	3,252.49	3/4	2,893.59
8	8	8	8	8	8	8	8	8	4,601.54	8	4,283.75	8	3,950.82	8	3,602.73	8	3,245.03	8	2,886.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,595.08	1/4	4,276.98	1/4	3,943.73	1/4	3,595.33	1/4	3,237.58	1/4	2,878.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,588.60	1/2	4,270.18	1/2	3,936.61	1/2	3,587.90	1/2	3,230.12	1/2	2,871.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,582.12	3/4	4,263.38	3/4	3,929.50	3/4	3,580.47	3/4	3,222.67	3/4	2,863.64
9	9	9	9	9	9	9	9	9	4,575.63	9	4,256.58	9	3,922.39	9	3,573.04	9	3,215.21	9	2,856.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,569.15	1/4	4,249.79	1/4	3,915.27	1/4	3,565.61	1/4	3,207.75	1/4	2,848.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,562.64	1/2	4,242.96	1/2	3,908.13	1/2	3,558.16	1/2	3,200.30	1/2	2,841.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,556.13	3/4	4,236.14	3/4	3,900.99	3/4	3,550.71	3/4	3,192.84	3/4	2,833.69
10	10	10	10	10	10	10	10	10	4,549.62	10	4,229.31	10	3,893.85	10	3,543.27	10	3,185.39	10	2,826.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,543.11	1/4	4,222.49	1/4	3,886.71	1/4	3,535.82	1/4	3,177.93	1/4	2,818.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,536.57	1/2	4,215.63	1/2	3,879.54	1/2	3,528.36	1/2	3,170.47	1/2	2,811.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,530.03	3/4	4,208.78	3/4	3,872.38	3/4	3,520.91	3/4	3,163.02	3/4	2,803.73
11	11	11	11	11	11	11	11	11	4,523.50	11	4,201.93	11	3,865.21	11	3,513.45	11	3,155.56	11	2,796.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,516.96	1/4	4,195.08	1/4	3,858.04	1/4	3,505.99	1/4	3,148.11	1/4	2,788.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,510.40	1/2	4,188.20	1/2	3,850.85	1/2	3,498.54	1/2	3,140.64	1/2	2,781.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,503.83	3/4	4,181.32	3/4	3,843.65	3/4	3,491.08	3/4	3,133.17	3/4	2,773.78

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'-09" OFF CENTERLINE AND 51'-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 29131"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,406.86	0	2,047.43	0	1,687.99	0	1,328.56	0	969.38	0	610.09	0	250.67	0		0		0	
1/4	2,399.37	1/4	2,039.94	1/4	1,680.50	1/4	1,321.07	1/4	961.90	1/4	602.60	1/4	243.18	1/4	1/4	1/4	1/4	1/4	
1/2	2,391.88	1/2	2,032.45	1/2	1,673.02	1/2	1,313.58	1/2	954.42	1/2	595.11	1/2	235.69	1/2	1/2	1/2	1/2	1/2	
3/4	2,384.40	3/4	2,024.96	3/4	1,665.53	3/4	1,306.09	3/4	946.95	3/4	587.62	3/4	228.21	3/4	3/4	3/4	3/4	3/4	
1	2,376.91	1	2,017.47	1	1,658.04	1	1,298.61	1	939.47	1	580.14	1	220.72	1	1	1	1	1	
1/4	2,369.42	1/4	2,009.99	1/4	1,650.55	1/4	1,291.12	1/4	932.00	1/4	572.65	1/4	213.23	1/4	1/4	1/4	1/4	1/4	
1/2	2,361.93	1/2	2,002.50	1/2	1,643.06	1/2	1,283.63	1/2	924.52	1/2	565.16	1/2	205.75	1/2	1/2	1/2	1/2	1/2	
3/4	2,354.44	3/4	1,995.01	3/4	1,635.58	3/4	1,276.14	3/4	917.04	3/4	557.67	3/4	198.26	3/4	3/4	3/4	3/4	3/4	
2	2,346.95	2	1,987.52	2	1,628.09	2	1,268.65	2	909.57	2	550.19	2	190.77	2	2	2	2	2	
1/4	2,339.47	1/4	1,980.03	1/4	1,620.60	1/4	1,261.17	1/4	902.09	1/4	542.70	1/4	183.29	1/4	1/4	1/4	1/4	1/4	
1/2	2,331.98	1/2	1,972.54	1/2	1,613.11	1/2	1,253.68	1/2	894.61	1/2	535.21	1/2	175.81	1/2	1/2	1/2	1/2	1/2	
3/4	2,324.49	3/4	1,965.06	3/4	1,605.62	3/4	1,246.19	3/4	887.13	3/4	527.72	3/4	168.33	3/4	3/4	3/4	3/4	3/4	
3	2,317.00	3	1,957.57	3	1,598.13	3	1,238.70	3	879.65	3	520.23	3	160.85	3	3	3	3	3	
1/4	2,309.51	1/4	1,950.08	1/4	1,590.65	1/4	1,231.21	1/4	872.17	1/4	512.75	1/4	153.37	1/4	1/4	1/4	1/4	1/4	
1/2	2,302.03	1/2	1,942.59	1/2	1,583.16	1/2	1,223.72	1/2	864.68	1/2	505.26	1/2	145.90	1/2	1/2	1/2	1/2	1/2	
3/4	2,294.54	3/4	1,935.10	3/4	1,575.67	3/4	1,216.24	3/4	857.19	3/4	497.77	3/4	138.43	3/4	3/4	3/4	3/4	3/4	
4	2,287.05	4	1,927.62	4	1,568.18	4	1,208.75	4	849.70	4	490.28	4	130.96	4	4	4	4	4	
1/4	2,279.56	1/4	1,920.13	1/4	1,560.69	1/4	1,201.26	1/4	842.21	1/4	482.79	1/4	123.50	1/4	1/4	1/4	1/4	1/4	
1/2	2,272.07	1/2	1,912.64	1/2	1,553.21	1/2	1,193.77	1/2	834.73	1/2	475.31	1/2	116.05	1/2	1/2	1/2	1/2	1/2	
3/4	2,264.58	3/4	1,905.15	3/4	1,545.72	3/4	1,186.28	3/4	827.24	3/4	467.82	3/4	108.60	3/4	3/4	3/4	3/4	3/4	
5	2,257.10	5	1,897.66	5	1,538.23	5	1,178.80	5	819.75	5	460.33	5	101.15	5	5	5	5	5	
1/4	2,249.61	1/4	1,890.17	1/4	1,530.74	1/4	1,171.31	1/4	812.26	1/4	452.84	1/4	93.70	1/4	1/4	1/4	1/4	1/4	
1/2	2,242.12	1/2	1,882.69	1/2	1,523.25	1/2	1,163.82	1/2	804.77	1/2	445.35	1/2	86.28	1/2	1/2	1/2	1/2	1/2	
3/4	2,234.63	3/4	1,875.20	3/4	1,515.76	3/4	1,156.33	3/4	797.29	3/4	437.87	3/4	78.86	3/4	3/4	3/4	3/4	3/4	
6	2,227.14	6	1,867.71	6	1,508.28	6	1,148.84	6	789.80	6	430.38	6	71.44	6	6	6	6	6	
1/4	2,219.66	1/4	1,860.22	1/4	1,500.79	1/4	1,141.35	1/4	782.31	1/4	422.89	1/4	64.02	1/4	1/4	1/4	1/4	1/4	
1/2	2,212.17	1/2	1,852.73	1/2	1,493.30	1/2	1,133.87	1/2	774.82	1/2	415.40	1/2	57.06	1/2	1/2	1/2	1/2	1/2	
3/4	2,204.68	3/4	1,845.25	3/4	1,485.81	3/4	1,126.39	3/4	767.33	3/4	407.92	3/4	50.10	3/4	3/4	3/4	3/4	3/4	
7	2,197.19	7	1,837.76	7	1,478.32	7	1,118.90	7	759.85	7	400.43	7	43.14	7	7	7	7	7	
1/4	2,189.70	1/4	1,830.27	1/4	1,470.84	1/4	1,111.42	1/4	752.36	1/4	392.94	1/4	36.18	1/4	1/4	1/4	1/4	1/4	
1/2	2,182.21	1/2	1,822.78	1/2	1,463.35	1/2	1,103.94	1/2	744.87	1/2	385.45	1/2	30.88	1/2	1/2	1/2	1/2	1/2	
3/4	2,174.73	3/4	1,815.29	3/4	1,455.86	3/4	1,096.47	3/4	737.38	3/4	377.96	3/4	25.58	3/4	3/4	3/4	3/4	3/4	
8	2,167.24	8	1,807.80	8	1,448.37	8	1,088.99	8	729.90	8	370.48	8	20.28	8	8	8	8	8	
1/4	2,159.75	1/4	1,800.32	1/4	1,440.88	1/4	1,081.52	1/4	722.41	1/4	362.99	1/4	14.98	1/4	1/4	1/4	1/4	1/4	
1/2	2,152.26	1/2	1,792.83	1/2	1,433.39	1/2	1,074.04	1/2	714.92	1/2	355.50	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	2,144.77	3/4	1,785.34	3/4	1,425.91	3/4	1,066.56	3/4	707.43	3/4	348.01	3/4		3/4	3/4	3/4	3/4	3/4	
9	2,137.28	9	1,777.85	9	1,418.42	9	1,059.09	9	699.94	9	340.52	9		9	9	9	9	9	
1/4	2,129.80	1/4	1,770.36	1/4	1,410.93	1/4	1,051.61	1/4	692.46	1/4	333.04	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	2,122.31	1/2	1,762.87	1/2	1,403.44	1/2	1,044.14	1/2	684.97	1/2	325.55	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	2,114.82	3/4	1,755.39	3/4	1,395.95	3/4	1,036.66	3/4	677.48	3/4	318.06	3/4		3/4	3/4	3/4	3/4	3/4	
10	2,107.33	10	1,747.90	10	1,388.46	10	1,029.18	10	669.99	10	310.57	10		10	10	10	10	10	
1/4	2,099.84	1/4	1,740.41	1/4	1,380.98	1/4	1,021.71	1/4	662.50	1/4	303.08	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	2,092.36	1/2	1,732.92	1/2	1,373.49	1/2	1,014.23	1/2	655.02	1/2	295.60	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	2,084.87	3/4	1,725.43	3/4	1,366.00	3/4	1,006.76	3/4	647.53	3/4	288.11	3/4		3/4	3/4	3/4	3/4	3/4	
11	2,077.38	11	1,717.95	11	1,358.51	11	999.28	11	640.04	11	280.62	11		11	11	11	11	11	
1/4	2,069.89	1/4	1,710.46	1/4	1,351.02	1/4	991.80	1/4	632.55	1/4	273.13	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	2,062.40	1/2	1,702.97	1/2	1,343.54	1/2	984.33	1/2	625.06	1/2	265.65	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	2,054.91	3/4	1,695.48	3/4	1,336.05	3/4	976.85	3/4	617.58	3/4	258.16	3/4		3/4	3/4	3/4	3/4	3/4	

STRAPPED: 02/04/2015 CL
CALCULATED: 02/04/2015 CL
PRINTED: 02/04/2015 CL

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29131"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0	4,353.41	0	4,112.75	0	3,866.58	0	3,608.43	0	3,338.59	0	2,986.55	0	2,630.44		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,348.78	1/4	4,107.75	1/4	3,861.32	1/4	3,602.92	1/4	3,332.89	1/4	2,979.13	1/4	2,623.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,344.15	1/2	4,102.74	1/2	3,856.06	1/2	3,597.42	1/2	3,327.19	1/2	2,971.71	1/2	2,615.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,340.00	3/4	4,097.72	3/4	3,850.79	3/4	3,591.89	3/4	3,319.77	3/4	2,964.29	3/4	2,608.19		
1		1		1		1	4,335.85	1	4,092.70	1	3,845.52	1	3,586.37	1	3,312.35	1	2,956.87	1	2,600.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,331.70	1/4	4,087.68	1/4	3,840.24	1/4	3,580.84	1/4	3,304.92	1/4	2,949.45	1/4	2,593.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,327.56	1/2	4,082.66	1/2	3,834.97	1/2	3,575.31	1/2	3,297.50	1/2	2,942.03	1/2	2,585.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,322.20	3/4	4,077.61	3/4	3,829.68	3/4	3,569.77	3/4	3,290.08	3/4	2,934.62	3/4	2,578.51		
2		2		2		2	4,316.85	2	4,072.56	2	3,824.38	2	3,564.22	2	3,282.66	2	2,927.20	2	2,571.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,311.50	1/4	4,067.52	1/4	3,819.09	1/4	3,558.68	1/4	3,275.24	1/4	2,919.78	1/4	2,563.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,306.15	1/2	4,062.47	1/2	3,813.80	1/2	3,553.13	1/2	3,267.81	1/2	2,912.36	1/2	2,556.26		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,300.45	3/4	4,057.41	3/4	3,808.48	3/4	3,547.57	3/4	3,260.39	3/4	2,904.94	3/4	2,548.84		
3		3		3		3	4,294.75	3	4,052.35	3	3,803.16	3	3,542.01	3	3,252.97	3	2,897.52	3	2,541.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,289.05	1/4	4,047.28	1/4	3,797.85	1/4	3,536.44	1/4	3,245.55	1/4	2,890.10	1/4	2,534.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,283.36	1/2	4,042.22	1/2	3,792.53	1/2	3,530.88	1/2	3,238.13	1/2	2,882.68	1/2	2,526.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,277.66	3/4	4,037.13	3/4	3,787.20	3/4	3,525.29	3/4	3,230.70	3/4	2,875.26	3/4	2,519.16		
4		4		4		4	4,271.96	4	4,032.04	4	3,781.86	4	3,519.71	4	3,223.28	4	2,867.85	4	2,511.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,266.26	1/4	4,026.96	1/4	3,776.53	1/4	3,514.12	1/4	3,215.86	1/4	2,860.43	1/4	2,504.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,260.56	1/2	4,021.87	1/2	3,771.19	1/2	3,508.53	1/2	3,208.44	1/2	2,853.01	1/2	2,496.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,255.70	3/4	4,016.76	3/4	3,765.83	3/4	3,502.93	3/4	3,201.04	3/4	2,845.59	3/4	2,489.49		
5		5		5		5	4,250.84	5	4,011.66	5	3,760.48	5	3,497.32	5	3,193.65	5	2,838.17	5	2,482.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,245.98	1/4	4,006.55	1/4	3,755.12	1/4	3,491.72	1/4	3,186.25	1/4	2,830.75	1/4	2,474.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,241.12	1/2	4,001.44	1/2	3,749.76	1/2	3,486.11	1/2	3,178.86	1/2	2,823.33	1/2	2,467.23		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,236.25	3/4	3,996.31	3/4	3,744.38	3/4	3,480.49	3/4	3,171.46	3/4	2,815.91	3/4	2,459.81		
6		6		6		6	4,231.37	6	3,991.18	6	3,739.01	6	3,474.86	6	3,164.07	6	2,808.50	6	2,452.39		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,226.49	1/4	3,986.06	1/4	3,733.63	1/4	3,469.23	1/4	3,156.68	1/4	2,801.08	1/4	2,444.97		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,221.61	1/2	3,980.93	1/2	3,728.25	1/2	3,463.60	1/2	3,149.28	1/2	2,793.66	1/2	2,437.56		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,216.71	3/4	3,975.78	3/4	3,722.85	3/4	3,457.95	3/4	3,141.89	3/4	2,786.24	3/4	2,430.14		
7		7		7		7	4,211.81	7	3,970.63	7	3,717.45	7	3,452.31	7	3,134.49	7	2,778.82	7	2,422.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,206.91	1/4	3,965.48	1/4	3,712.06	1/4	3,446.66	1/4	3,127.10	1/4	2,771.40	1/4	2,415.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,202.01	1/2	3,960.33	1/2	3,706.66	1/2	3,441.01	1/2	3,119.70	1/2	2,763.98	1/2	2,407.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,197.09	3/4	3,955.16	3/4	3,701.24	3/4	3,435.34	3/4	3,112.31	3/4	2,756.56	3/4	2,400.46		
8		8		8		8	4,192.17	8	3,949.99	8	3,695.82	8	3,429.67	8	3,104.91	8	2,749.15	8	2,393.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,187.25	1/4	3,944.82	1/4	3,690.40	1/4	3,424.00	1/4	3,097.52	1/4	2,741.73	1/4	2,385.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,182.33	1/2	3,939.64	1/2	3,684.98	1/2	3,418.33	1/2	3,090.12	1/2	2,734.31	1/2	2,378.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,177.39	3/4	3,934.45	3/4	3,679.54	3/4	3,412.64	3/4	3,082.73	3/4	2,726.89	3/4	2,370.79		
9		9		9		9	4,172.44	9	3,929.26	9	3,674.10	9	3,406.95	9	3,075.33	9	2,719.47	9	2,363.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,167.50	1/4	3,924.07	1/4	3,668.66	1/4	3,401.26	1/4	3,067.94	1/4	2,712.05	1/4	2,355.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,162.55	1/2	3,918.88	1/2	3,663.21	1/2	3,395.57	1/2	3,060.54	1/2	2,704.63	1/2	2,348.53		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,157.59	3/4	3,913.67	3/4	3,657.75	3/4	3,389.87	3/4	3,053.15	3/4	2,697.21	3/4	2,341.11		
10		10		10		10	4,152.63	10	3,908.45	10	3,652.29	10	3,384.18	10	3,045.75	10	2,689.79	10	2,333.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,147.67	1/4	3,903.24	1/4	3,646.83	1/4	3,378.48	1/4	3,038.36	1/4	2,682.38	1/4	2,326.27		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,142.71	1/2	3,898.02	1/2	3,641.37	1/2	3,372.78	1/2	3,030.96	1/2	2,674.96	1/2	2,318.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,137.72	3/4	3,892.79	3/4	3,635.89	3/4	3,367.08	3/4	3,023.57	3/4	2,667.54	3/4	2,311.43		
11		11		11		11	4,132.73	11	3,887.56	11	3,630.40	11	3,361.38	11	3,016.17	11	2,660.12	11	2,304.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,127.75	1/4	3,882.33	1/4	3,624.92	1/4	3,355.68	1/4	3,008.78	1/4	2,652.70	1/4	2,296.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,362.67	1/2	4,122.76	1/2	3,877.10	1/2	3,619.43	1/2	3,349.98	1/2	3,001.38	1/2	2,645.28	1/2	2,289.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,358.04	3/4	4,117.75	3/4	3,871.84	3/4	3,613.93	3/4	3,344.28	3/4	2,993.97	3/4	2,637.86	3/4	2,281.75

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'-09" OFF CENTERLINE AND 51'-00" 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 29131"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN 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	2,274.33	0	1,917.79	0	1,562.19	0	1,205.98	0	862.06	0	505.40	0	148.54	0		0		0	
1/4	2,266.92	1/4	1,910.35	1/4	1,554.79	1/4	1,198.81	1/4	854.64	1/4	497.97	1/4	141.10	1/4		1/4		1/4	
1/2	2,259.50	1/2	1,902.92	1/2	1,547.38	1/2	1,191.65	1/2	847.23	1/2	490.54	1/2	133.67	1/2		1/2		1/2	
3/4	2,252.08	3/4	1,895.51	3/4	1,539.94	3/4	1,184.48	3/4	839.82	3/4	483.10	3/4	126.24	3/4		3/4		3/4	
1	2,244.66	1	1,888.10	1	1,532.51	1	1,177.31	1	832.40	1	475.67	1	118.80	1		1		1	
1/4	2,237.24	1/4	1,880.70	1/4	1,525.08	1/4	1,170.15	1/4	824.99	1/4	468.23	1/4	111.37	1/4		1/4		1/4	
1/2	2,229.82	1/2	1,873.29	1/2	1,517.64	1/2	1,162.98	1/2	817.58	1/2	460.80	1/2	103.93	1/2		1/2		1/2	
3/4	2,222.40	3/4	1,865.88	3/4	1,510.21	3/4	1,155.82	3/4	810.16	3/4	453.36	3/4	96.81	3/4		3/4		3/4	
2	2,214.98	2	1,858.48	2	1,502.78	2	1,148.65	2	802.75	2	445.93	2	89.69	2		2		2	
1/4	2,207.56	1/4	1,851.07	1/4	1,495.34	1/4	1,141.49	1/4	795.34	1/4	438.49	1/4	82.57	1/4		1/4		1/4	
1/2	2,200.14	1/2	1,843.66	1/2	1,487.91	1/2	1,134.32	1/2	787.92	1/2	431.06	1/2	75.45	1/2		1/2		1/2	
3/4	2,192.72	3/4	1,836.25	3/4	1,480.48	3/4	1,127.16	3/4	780.49	3/4	423.62	3/4	69.27	3/4		3/4		3/4	
3	2,185.30	3	1,828.85	3	1,473.04	3	1,119.99	3	773.05	3	416.19	3	63.09	3		3		3	
1/4	2,177.88	1/4	1,821.44	1/4	1,465.61	1/4	1,112.82	1/4	765.62	1/4	408.75	1/4	56.91	1/4		1/4		1/4	
1/2	2,170.46	1/2	1,814.03	1/2	1,458.18	1/2	1,105.66	1/2	758.18	1/2	401.32	1/2	50.73	1/2		1/2		1/2	
3/4	2,163.05	3/4	1,806.63	3/4	1,450.74	3/4	1,098.49	3/4	750.75	3/4	393.88	3/4	45.81	3/4		3/4		3/4	
4	2,155.63	4	1,799.22	4	1,443.31	4	1,091.33	4	743.31	4	386.45	4	40.89	4		4		4	
1/4	2,148.21	1/4	1,791.81	1/4	1,435.88	1/4	1,084.16	1/4	735.88	1/4	379.01	1/4	35.96	1/4		1/4		1/4	
1/2	2,140.79	1/2	1,784.41	1/2	1,428.44	1/2	1,077.00	1/2	728.45	1/2	371.58	1/2	31.04	1/2		1/2		1/2	
3/4	2,133.35	3/4	1,777.00	3/4	1,421.01	3/4	1,069.84	3/4	721.01	3/4	364.15	3/4	27.37	3/4		3/4		3/4	
5	2,125.92	5	1,769.59	5	1,413.58	5	1,062.69	5	713.58	5	356.71	5	23.71	5		5		5	
1/4	2,118.49	1/4	1,762.18	1/4	1,406.14	1/4	1,055.54	1/4	706.14	1/4	349.28	1/4	20.05	1/4		1/4		1/4	
1/2	2,111.05	1/2	1,754.78	1/2	1,398.71	1/2	1,048.39	1/2	698.71	1/2	341.84	1/2	16.38	1/2		1/2		1/2	
3/4	2,103.62	3/4	1,747.37	3/4	1,391.28	3/4	1,041.24	3/4	691.27	3/4	334.41	3/4		3/4		3/4		3/4	
6	2,096.19	6	1,739.96	6	1,383.84	6	1,034.09	6	683.84	6	326.97	6		6		6		6	
1/4	2,088.75	1/4	1,732.56	1/4	1,376.41	1/4	1,026.94	1/4	676.40	1/4	319.54	1/4		1/4		1/4		1/4	
1/2	2,081.32	1/2	1,725.15	1/2	1,368.98	1/2	1,019.78	1/2	668.97	1/2	312.10	1/2		1/2		1/2		1/2	
3/4	2,073.89	3/4	1,717.74	3/4	1,361.54	3/4	1,012.64	3/4	661.53	3/4	304.67	3/4		3/4		3/4		3/4	
7	2,066.45	7	1,710.33	7	1,354.11	7	1,005.49	7	654.10	7	297.23	7		7		7		7	
1/4	2,059.02	1/4	1,702.93	1/4	1,346.68	1/4	998.34	1/4	646.66	1/4	289.80	1/4		1/4		1/4		1/4	
1/2	2,051.59	1/2	1,695.52	1/2	1,339.24	1/2	991.19	1/2	639.23	1/2	282.36	1/2		1/2		1/2		1/2	
3/4	2,044.15	3/4	1,688.11	3/4	1,331.81	3/4	984.05	3/4	631.79	3/4	274.93	3/4		3/4		3/4		3/4	
8	2,036.72	8	1,680.71	8	1,324.38	8	976.90	8	624.36	8	267.49	8		8		8		8	
1/4	2,029.29	1/4	1,673.30	1/4	1,316.94	1/4	969.76	1/4	616.93	1/4	260.06	1/4		1/4		1/4		1/4	
1/2	2,021.85	1/2	1,665.89	1/2	1,309.51	1/2	962.61	1/2	609.49	1/2	252.62	1/2		1/2		1/2		1/2	
3/4	2,014.42	3/4	1,658.48	3/4	1,302.08	3/4	955.47	3/4	602.06	3/4	245.19	3/4		3/4		3/4		3/4	
9	2,006.99	9	1,651.08	9	1,294.64	9	948.33	9	594.62	9	237.76	9		9		9		9	
1/4	1,999.55	1/4	1,643.67	1/4	1,287.21	1/4	941.18	1/4	587.19	1/4	230.32	1/4		1/4		1/4		1/4	
1/2	1,992.12	1/2	1,636.26	1/2	1,279.78	1/2	934.04	1/2	579.75	1/2	222.89	1/2		1/2		1/2		1/2	
3/4	1,984.69	3/4	1,628.86	3/4	1,272.34	3/4	926.89	3/4	572.32	3/4	215.45	3/4		3/4		3/4		3/4	
10	1,977.25	10	1,621.45	10	1,264.91	10	919.75	10	564.88	10	208.02	10		10		10		10	
1/4	1,969.82	1/4	1,614.04	1/4	1,257.48	1/4	912.60	1/4	557.45	1/4	200.58	1/4		1/4		1/4		1/4	
1/2	1,962.39	1/2	1,606.63	1/2	1,250.04	1/2	905.46	1/2	550.01	1/2	193.15	1/2		1/2		1/2		1/2	
3/4	1,954.95	3/4	1,599.23	3/4	1,242.61	3/4	898.32	3/4	542.58	3/4	185.71	3/4		3/4		3/4		3/4	
11	1,947.52	11	1,591.82	11	1,235.18	11	891.17	11	535.14	11	178.28	11		11		11		11	
1/4	1,940.09	1/4	1,584.41	1/4	1,227.74	1/4	884.03	1/4	527.71	1/4	170.84	1/4		1/4		1/4		1/4	
1/2	1,932.65	1/2	1,577.01	1/2	1,220.31	1/2	876.88	1/2	520.27	1/2	163.41	1/2		1/2		1/2		1/2	
3/4	1,925.22	3/4	1,569.60	3/4	1,213.14	3/4	869.47	3/4	512.84	3/4	155.97	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/04/2015 CL
CALCULATED: 02/04/2015 CL
PRINTED: 02/04/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2015

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



BARGE "KIRBY 29131"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,385.97	0	4,144.53	0	3,897.45	0	3,638.37	0	3,367.54	0	3,015.28	0	2,657.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,381.31	1/4	4,139.50	1/4	3,892.17	1/4	3,632.85	1/4	3,361.82	1/4	3,007.83	1/4	2,650.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,376.66	1/2	4,134.47	1/2	3,886.89	1/2	3,627.32	1/2	3,356.10	1/2	3,000.39	1/2	2,642.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,372.00	3/4	4,129.44	3/4	3,881.61	3/4	3,621.79	3/4	3,350.37	3/4	2,992.94	3/4	2,635.51
1		1		1		1	4,367.83	1	4,124.40	1	3,876.31	1	3,616.24	1	3,342.93	1	2,985.49	1	2,628.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,363.66	1/4	4,119.35	1/4	3,871.01	1/4	3,610.69	1/4	3,335.48	1/4	2,978.05	1/4	2,620.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,359.49	1/2	4,114.31	1/2	3,865.71	1/2	3,605.13	1/2	3,328.03	1/2	2,970.60	1/2	2,613.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,355.32	3/4	4,109.26	3/4	3,860.41	3/4	3,599.58	3/4	3,320.59	3/4	2,963.16	3/4	2,605.72
2		2		2		2	4,349.94	2	4,104.19	2	3,855.10	2	3,594.01	2	3,313.14	2	2,955.71	2	2,598.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,344.57	1/4	4,099.12	1/4	3,849.78	1/4	3,588.44	1/4	3,305.69	1/4	2,948.26	1/4	2,590.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,339.19	1/2	4,094.05	1/2	3,844.46	1/2	3,582.88	1/2	3,298.25	1/2	2,940.82	1/2	2,583.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,333.82	3/4	4,088.98	3/4	3,839.15	3/4	3,577.31	3/4	3,290.80	3/4	2,933.37	3/4	2,575.94
3		3		3		3	4,328.09	3	4,083.89	3	3,833.80	3	3,571.72	3	3,283.35	3	2,925.92	3	2,568.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,322.37	1/4	4,078.80	1/4	3,828.46	1/4	3,566.13	1/4	3,275.91	1/4	2,918.48	1/4	2,561.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,316.65	1/2	4,073.72	1/2	3,823.12	1/2	3,560.54	1/2	3,268.46	1/2	2,911.03	1/2	2,553.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,310.92	3/4	4,068.63	3/4	3,817.78	3/4	3,554.96	3/4	3,261.02	3/4	2,903.58	3/4	2,546.15
4		4		4		4	4,305.20	4	4,063.52	4	3,812.43	4	3,549.34	4	3,253.57	4	2,896.14	4	2,538.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,299.48	1/4	4,058.40	1/4	3,807.07	1/4	3,543.73	1/4	3,246.12	1/4	2,888.69	1/4	2,531.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,293.75	1/2	4,053.29	1/2	3,801.71	1/2	3,538.12	1/2	3,238.68	1/2	2,881.24	1/2	2,523.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,288.03	3/4	4,048.18	3/4	3,796.35	3/4	3,532.51	3/4	3,231.23	3/4	2,873.80	3/4	2,516.37
5		5		5		5	4,283.15	5	4,043.05	5	3,790.97	5	3,526.88	5	3,223.78	5	2,866.35	5	2,508.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,278.27	1/4	4,037.92	1/4	3,785.58	1/4	3,521.25	1/4	3,216.34	1/4	2,858.90	1/4	2,501.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,273.38	1/2	4,032.79	1/2	3,780.20	1/2	3,515.62	1/2	3,208.89	1/2	2,851.46	1/2	2,494.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,268.50	3/4	4,027.66	3/4	3,774.82	3/4	3,509.99	3/4	3,201.44	3/4	2,844.01	3/4	2,486.58
6		6		6		6	4,263.60	6	4,022.51	6	3,769.42	6	3,504.34	6	3,194.00	6	2,836.56	6	2,479.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,258.70	1/4	4,017.35	1/4	3,764.02	1/4	3,498.69	1/4	3,186.55	1/4	2,829.12	1/4	2,471.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,253.79	1/2	4,012.20	1/2	3,758.62	1/2	3,493.03	1/2	3,179.10	1/2	2,821.67	1/2	2,464.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,248.89	3/4	4,007.05	3/4	3,753.22	3/4	3,487.38	3/4	3,171.66	3/4	2,814.23	3/4	2,456.79
7		7		7		7	4,243.97	7	4,001.87	7	3,747.79	7	3,481.71	7	3,164.21	7	2,806.78	7	2,449.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,239.04	1/4	3,996.70	1/4	3,742.37	1/4	3,476.04	1/4	3,156.76	1/4	2,799.33	1/4	2,441.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,234.12	1/2	3,991.53	1/2	3,736.94	1/2	3,470.37	1/2	3,149.32	1/2	2,791.89	1/2	2,434.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,229.19	3/4	3,986.36	3/4	3,731.52	3/4	3,464.69	3/4	3,141.87	3/4	2,784.44	3/4	2,427.01
8		8		8		8	4,224.25	8	3,981.16	8	3,726.07	8	3,459.00	8	3,134.42	8	2,776.99	8	2,419.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,219.30	1/4	3,975.96	1/4	3,720.63	1/4	3,453.30	1/4	3,126.98	1/4	2,769.55	1/4	2,412.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,214.36	1/2	3,970.77	1/2	3,715.19	1/2	3,447.61	1/2	3,119.53	1/2	2,762.10	1/2	2,404.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,209.42	3/4	3,965.57	3/4	3,709.75	3/4	3,441.91	3/4	3,112.09	3/4	2,754.65	3/4	2,397.22
9		9		9		9	4,204.45	9	3,960.36	9	3,704.28	9	3,436.20	9	3,104.64	9	2,747.21	9	2,389.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,199.48	1/4	3,955.14	1/4	3,698.81	1/4	3,430.49	1/4	3,097.19	1/4	2,739.76	1/4	2,382.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,194.51	1/2	3,949.93	1/2	3,693.35	1/2	3,424.77	1/2	3,089.75	1/2	2,732.31	1/2	2,374.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,189.54	3/4	3,944.71	3/4	3,687.88	3/4	3,419.06	3/4	3,082.30	3/4	2,724.87	3/4	2,367.44
10		10		10		10	4,184.56	10	3,939.48	10	3,682.39	10	3,413.33	10	3,074.85	10	2,717.42	10	2,359.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,179.57	1/4	3,934.24	1/4	3,676.91	1/4	3,407.61	1/4	3,067.41	1/4	2,709.97	1/4	2,352.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,174.58	1/2	3,929.00	1/2	3,671.42	1/2	3,401.89	1/2	3,059.96	1/2	2,702.53	1/2	2,345.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,169.60	3/4	3,923.76	3/4	3,665.94	3/4	3,396.16	3/4	3,052.51	3/4	2,695.08	3/4	2,337.65
11		11		11		11	4,164.59	11	3,918.50	11	3,660.43	11	3,390.44	11	3,045.07	11	2,687.63	11	2,330.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,159.58	1/4	3,913.25	1/4	3,654.92	1/4	3,384.72	1/4	3,037.62	1/4	2,680.19	1/4	2,322.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,154.57	1/2	3,907.99	1/2	3,649.41	1/2	3,378.99	1/2	3,030.17	1/2	2,672.74	1/2	2,315.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,149.55	3/4	3,902.73	3/4	3,643.90	3/4	3,373.27	3/4	3,022.73	3/4	2,665.30	3/4	2,307.86

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'-09" OFF CENTERLINE AND 51'-00" 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 29131"

**3 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,300.42	0	1,942.98	0	1,585.55	0	1,228.12	0	870.94	0	513.65	0	156.23	0		0			
1/4	2,292.97	1/4	1,935.54	1/4	1,578.11	1/4	1,220.67	1/4	863.51	1/4	506.21	1/4	148.78	1/4		1/4		1/4	
1/2	2,285.52	1/2	1,928.09	1/2	1,570.66	1/2	1,213.23	1/2	856.07	1/2	498.76	1/2	141.34	1/2		1/2		1/2	
3/4	2,278.08	3/4	1,920.65	3/4	1,563.21	3/4	1,205.78	3/4	848.64	3/4	491.31	3/4	133.89	3/4		3/4		3/4	
1	2,270.63	1	1,913.20	1	1,555.77	1	1,198.33	1	841.21	1	483.87	1	126.44	1		1		1	
1/4	2,263.18	1/4	1,905.75	1/4	1,548.32	1/4	1,190.89	1/4	833.77	1/4	476.42	1/4	119.00	1/4		1/4		1/4	
1/2	2,255.74	1/2	1,898.31	1/2	1,540.87	1/2	1,183.44	1/2	826.34	1/2	468.97	1/2	111.55	1/2		1/2		1/2	
3/4	2,248.29	3/4	1,890.86	3/4	1,533.43	3/4	1,176.00	3/4	818.90	3/4	461.53	3/4	104.11	3/4		3/4		3/4	
2	2,240.84	2	1,883.41	2	1,525.98	2	1,168.55	2	811.47	2	454.08	2	96.98	2		2		2	
1/4	2,233.40	1/4	1,875.97	1/4	1,518.53	1/4	1,161.10	1/4	804.03	1/4	446.63	1/4	89.85	1/4		1/4		1/4	
1/2	2,225.95	1/2	1,868.52	1/2	1,511.09	1/2	1,153.66	1/2	796.60	1/2	439.19	1/2	82.71	1/2		1/2		1/2	
3/4	2,218.51	3/4	1,861.07	3/4	1,503.64	3/4	1,146.21	3/4	789.16	3/4	431.74	3/4	75.58	3/4		3/4		3/4	
3	2,211.06	3	1,853.63	3	1,496.19	3	1,138.76	3	781.72	3	424.30	3	69.39	3		3		3	
1/4	2,203.61	1/4	1,846.18	1/4	1,488.75	1/4	1,131.32	1/4	774.27	1/4	416.85	1/4	63.20	1/4		1/4		1/4	
1/2	2,196.17	1/2	1,838.73	1/2	1,481.30	1/2	1,123.87	1/2	766.83	1/2	409.40	1/2	57.01	1/2		1/2		1/2	
3/4	2,188.72	3/4	1,831.29	3/4	1,473.86	3/4	1,116.42	3/4	759.38	3/4	401.96	3/4	50.82	3/4		3/4		3/4	
4	2,181.27	4	1,823.84	4	1,466.41	4	1,108.98	4	751.93	4	394.51	4	45.88	4		4		4	
1/4	2,173.83	1/4	1,816.39	1/4	1,458.96	1/4	1,101.53	1/4	744.49	1/4	387.06	1/4	40.94	1/4		1/4		1/4	
1/2	2,166.38	1/2	1,808.95	1/2	1,451.52	1/2	1,094.08	1/2	737.04	1/2	379.62	1/2	36.01	1/2		1/2		1/2	
3/4	2,158.93	3/4	1,801.50	3/4	1,444.07	3/4	1,086.64	3/4	729.59	3/4	372.17	3/4	31.07	3/4		3/4		3/4	
5	2,151.49	5	1,794.05	5	1,436.62	5	1,079.19	5	722.15	5	364.73	5	27.40	5		5		5	
1/4	2,144.04	1/4	1,786.61	1/4	1,429.18	1/4	1,071.74	1/4	714.70	1/4	357.28	1/4	23.73	1/4		1/4		1/4	
1/2	2,136.59	1/2	1,779.16	1/2	1,421.73	1/2	1,064.30	1/2	707.26	1/2	349.83	1/2	20.06	1/2		1/2		1/2	
3/4	2,129.15	3/4	1,771.72	3/4	1,414.28	3/4	1,056.85	3/4	699.81	3/4	342.39	3/4	16.38	3/4		3/4		3/4	
6	2,121.70	6	1,764.27	6	1,406.84	6	1,049.40	6	692.36	6	334.94	6		6		6		6	
1/4	2,114.25	1/4	1,756.82	1/4	1,399.39	1/4	1,041.96	1/4	684.92	1/4	327.49	1/4		1/4		1/4		1/4	
1/2	2,106.81	1/2	1,749.38	1/2	1,391.94	1/2	1,034.51	1/2	677.47	1/2	320.05	1/2		1/2		1/2		1/2	
3/4	2,099.36	3/4	1,741.93	3/4	1,384.50	3/4	1,027.07	3/4	670.02	3/4	312.60	3/4		3/4		3/4		3/4	
7	2,091.91	7	1,734.48	7	1,377.05	7	1,019.63	7	662.58	7	305.16	7		7		7		7	
1/4	2,084.47	1/4	1,727.04	1/4	1,369.60	1/4	1,012.20	1/4	655.13	1/4	297.71	1/4		1/4		1/4		1/4	
1/2	2,077.02	1/2	1,719.59	1/2	1,362.16	1/2	1,004.76	1/2	647.68	1/2	290.26	1/2		1/2		1/2		1/2	
3/4	2,069.58	3/4	1,712.14	3/4	1,354.71	3/4	997.33	3/4	640.24	3/4	282.82	3/4		3/4		3/4		3/4	
8	2,062.13	8	1,704.70	8	1,347.26	8	989.89	8	632.79	8	275.37	8		8		8		8	
1/4	2,054.68	1/4	1,697.25	1/4	1,339.82	1/4	982.46	1/4	625.35	1/4	267.92	1/4		1/4		1/4		1/4	
1/2	2,047.24	1/2	1,689.80	1/2	1,332.37	1/2	975.02	1/2	617.90	1/2	260.48	1/2		1/2		1/2		1/2	
3/4	2,039.79	3/4	1,682.36	3/4	1,324.93	3/4	967.59	3/4	610.45	3/4	253.03	3/4		3/4		3/4		3/4	
9	2,032.34	9	1,674.91	9	1,317.48	9	960.16	9	603.01	9	245.58	9		9		9		9	
1/4	2,024.90	1/4	1,667.46	1/4	1,310.03	1/4	952.72	1/4	595.56	1/4	238.14	1/4		1/4		1/4		1/4	
1/2	2,017.45	1/2	1,660.02	1/2	1,302.59	1/2	945.29	1/2	588.11	1/2	230.69	1/2		1/2		1/2		1/2	
3/4	2,010.00	3/4	1,652.57	3/4	1,295.14	3/4	937.85	3/4	580.67	3/4	223.25	3/4		3/4		3/4		3/4	
10	2,002.56	10	1,645.12	10	1,287.69	10	930.42	10	573.22	10	215.80	10		10		10		10	
1/4	1,995.11	1/4	1,637.68	1/4	1,280.25	1/4	922.98	1/4	565.78	1/4	208.35	1/4		1/4		1/4		1/4	
1/2	1,987.66	1/2	1,630.23	1/2	1,272.80	1/2	915.55	1/2	558.33	1/2	200.91	1/2		1/2		1/2		1/2	
3/4	1,980.22	3/4	1,622.79	3/4	1,265.35	3/4	908.12	3/4	550.88	3/4	193.46	3/4		3/4		3/4		3/4	
11	1,972.77	11	1,615.34	11	1,257.91	11	900.68	11	543.44	11	186.01	11		11		11		11	
1/4	1,965.32	1/4	1,607.89	1/4	1,250.46	1/4	893.25	1/4	535.99	1/4	178.57	1/4		1/4		1/4		1/4	
1/2	1,957.88	1/2	1,600.45	1/2	1,243.01	1/2	885.81	1/2	528.54	1/2	171.12	1/2		1/2		1/2		1/2	
3/4	1,950.43	3/4	1,593.00	3/4	1,235.57	3/4	878.38	3/4	521.10	3/4	163.68	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/04/2015 CL
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PRINTED: 02/04/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2015

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