



BARGE "KIRBY 29162"

ULLAGE TRIM TABLE
FORMERLY "SMI 30030"

	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	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
2 PORT	00-0/8	- 00-0/8	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
2 STBD	00-0/8	- 00-0/8	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
3 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	00-0/8	00-0/8
3 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	00-0/8	00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

December 3, 2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29162"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

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	5,057.26	0	4,712.41	0	4,354.62	0	3,996.83	0	3,639.03	0	3,281.25	0	2,923.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,052.90	1/4	4,704.96	1/4	4,347.17	1/4	3,989.38	1/4	3,631.58	1/4	3,273.79	1/4	2,916.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,047.30	1/2	4,697.50	1/2	4,339.71	1/2	3,981.92	1/2	3,624.13	1/2	3,266.34	1/2	2,908.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,041.70	3/4	4,690.05	3/4	4,332.26	3/4	3,974.47	3/4	3,616.67	3/4	3,258.89	3/4	2,901.09
1		1		1		1	5,036.10	1	4,682.59	1	4,324.80	1	3,967.01	1	3,609.22	1	3,251.43	1	2,893.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,030.50	1/4	4,675.14	1/4	4,317.35	1/4	3,959.56	1/4	3,601.77	1/4	3,243.98	1/4	2,886.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,023.66	1/2	4,667.69	1/2	4,309.90	1/2	3,952.10	1/2	3,594.31	1/2	3,236.53	1/2	2,878.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,016.81	3/4	4,660.23	3/4	4,302.44	3/4	3,944.65	3/4	3,586.86	3/4	3,229.07	3/4	2,871.28
2		2		2		2	5,009.97	2	4,652.78	2	4,294.99	2	3,937.19	2	3,579.40	2	3,221.62	2	2,863.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,003.12	1/4	4,645.33	1/4	4,287.54	1/4	3,929.74	1/4	3,571.95	1/4	3,214.16	1/4	2,856.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,995.67	1/2	4,637.87	1/2	4,280.08	1/2	3,922.29	1/2	3,564.50	1/2	3,206.71	1/2	2,848.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,988.21	3/4	4,630.42	3/4	4,272.63	3/4	3,914.83	3/4	3,557.04	3/4	3,199.25	3/4	2,841.46
3		3		3		3	4,980.76	3	4,622.96	3	4,265.17	3	3,907.38	3	3,549.59	3	3,191.80	3	2,834.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,973.30	1/4	4,615.51	1/4	4,257.72	1/4	3,899.93	1/4	3,542.14	1/4	3,184.34	1/4	2,826.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,965.85	1/2	4,608.06	1/2	4,250.26	1/2	3,892.47	1/2	3,534.68	1/2	3,176.89	1/2	2,819.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,958.40	3/4	4,600.60	3/4	4,242.81	3/4	3,885.02	3/4	3,527.23	3/4	3,169.44	3/4	2,811.65
4		4		4		4	4,950.94	4	4,593.15	4	4,235.35	4	3,877.56	4	3,519.78	4	3,161.98	4	2,804.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,943.49	1/4	4,585.70	1/4	4,227.90	1/4	3,870.11	1/4	3,512.32	1/4	3,154.53	1/4	2,796.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,936.04	1/2	4,578.24	1/2	4,220.45	1/2	3,862.66	1/2	3,504.87	1/2	3,147.08	1/2	2,789.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,928.58	3/4	4,570.79	3/4	4,212.99	3/4	3,855.20	3/4	3,497.41	3/4	3,139.62	3/4	2,781.83
5		5		5		5	4,921.13	5	4,563.33	5	4,205.54	5	3,847.75	5	3,489.96	5	3,132.17	5	2,774.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,913.67	1/4	4,555.88	1/4	4,198.09	1/4	3,840.30	1/4	3,482.50	1/4	3,124.71	1/4	2,766.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,906.22	1/2	4,548.42	1/2	4,190.63	1/2	3,832.84	1/2	3,475.05	1/2	3,117.26	1/2	2,759.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,898.77	3/4	4,540.97	3/4	4,183.18	3/4	3,825.39	3/4	3,467.60	3/4	3,109.81	3/4	2,752.01
6		6		6		6	4,891.31	6	4,533.51	6	4,175.72	6	3,817.93	6	3,460.14	6	3,102.35	6	2,744.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,883.86	1/4	4,526.06	1/4	4,168.27	1/4	3,810.48	1/4	3,452.69	1/4	3,094.90	1/4	2,737.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,876.41	1/2	4,518.61	1/2	4,160.82	1/2	3,803.02	1/2	3,445.24	1/2	3,087.45	1/2	2,729.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,868.95	3/4	4,511.15	3/4	4,153.36	3/4	3,795.57	3/4	3,437.78	3/4	3,079.99	3/4	2,722.20
7		7		7		7	4,861.50	7	4,503.70	7	4,145.91	7	3,788.11	7	3,430.33	7	3,072.54	7	2,714.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,854.04	1/4	4,496.25	1/4	4,138.46	1/4	3,780.66	1/4	3,422.87	1/4	3,065.08	1/4	2,707.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,846.59	1/2	4,488.79	1/2	4,131.00	1/2	3,773.21	1/2	3,415.42	1/2	3,057.63	1/2	2,699.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,839.13	3/4	4,481.34	3/4	4,123.55	3/4	3,765.75	3/4	3,407.97	3/4	3,050.17	3/4	2,692.38
8		8		8		8	4,831.68	8	4,473.88	8	4,116.09	8	3,758.30	8	3,400.51	8	3,042.72	8	2,684.93
1/4	1/4	1/4	5,092.72	1/4	4,824.22	1/4	4,466.43	1/4	4,108.64	1/4	3,750.85	1/4	3,393.06	1/4	3,035.26	1/4	2,677.47		
1/2	1/2	1/2	5,092.10	1/2	4,816.77	1/2	4,458.98	1/2	4,101.18	1/2	3,743.39	1/2	3,385.61	1/2	3,027.81	1/2	2,670.02		
3/4	3/4	3/4	5,091.48	3/4	4,809.32	3/4	4,451.52	3/4	4,093.73	3/4	3,735.94	3/4	3,378.15	3/4	3,020.36	3/4	2,662.57		
9		9	5,090.85	9	4,801.86	9	4,444.07	9	4,086.27	9	3,728.48	9	3,370.70	9	3,012.90	9	2,655.11		
1/4	1/4	1/4	5,090.23	1/4	4,794.41	1/4	4,436.62	1/4	4,078.82	1/4	3,721.03	1/4	3,363.24	1/4	3,005.45	1/4	2,647.66		
1/2	1/2	1/2	5,088.36	1/2	4,786.96	1/2	4,429.16	1/2	4,071.37	1/2	3,713.58	1/2	3,355.79	1/2	2,998.00	1/2	2,640.21		
3/4	3/4	3/4	5,086.50	3/4	4,779.50	3/4	4,421.71	3/4	4,063.91	3/4	3,706.12	3/4	3,348.33	3/4	2,990.54	3/4	2,632.75		
10		10	5,084.63	10	4,772.05	10	4,414.25	10	4,056.46	10	3,698.67	10	3,340.88	10	2,983.09	10	2,625.30		
1/4	1/4	1/4	5,082.76	1/4	4,764.59	1/4	4,406.80	1/4	4,049.01	1/4	3,691.22	1/4	3,333.42	1/4	2,975.63	1/4	2,617.84		
1/2	1/2	1/2	5,079.65	1/2	4,757.14	1/2	4,399.34	1/2	4,041.55	1/2	3,683.76	1/2	3,325.97	1/2	2,968.18	1/2	2,610.39		
3/4	3/4	3/4	5,076.54	3/4	4,749.68	3/4	4,391.89	3/4	4,034.10	3/4	3,676.31	3/4	3,318.52	3/4	2,960.73	3/4	2,602.93		
11		11	5,073.43	11	4,742.23	11	4,384.43	11	4,026.64	11	3,668.85	11	3,311.06	11	2,953.27	11	2,595.48		
1/4	1/4	1/4	5,070.32	1/4	4,734.78	1/4	4,376.98	1/4	4,019.19	1/4	3,661.40	1/4	3,303.61	1/4	2,945.82	1/4	2,588.02		
1/2	1/2	1/2	5,065.97	1/2	4,727.32	1/2	4,369.53	1/2	4,011.74	1/2	3,653.94	1/2	3,296.16	1/2	2,938.37	1/2	2,580.57		
3/4	3/4	3/4	5,061.61	3/4	4,719.87	3/4	4,362.07	3/4	4,004.28	3/4	3,646.49	3/4	3,288.70	3/4	2,930.91	3/4	2,573.12		

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" 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 29162"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,565.66	0	2,207.87	0	1,850.08	0	1,492.29	0	1,134.50	0	776.70	0	419.83	0	87.57	0		0	
1/4	2,558.21	1/4	2,200.42	1/4	1,842.62	1/4	1,484.83	1/4	1,127.04	1/4	769.25	1/4	412.55	1/4	81.04	1/4		1/4	
1/2	2,550.76	1/2	2,192.97	1/2	1,835.17	1/2	1,477.38	1/2	1,119.59	1/2	761.80	1/2	405.27	1/2	74.51	1/2		1/2	
3/4	2,543.30	3/4	2,185.51	3/4	1,827.72	3/4	1,469.93	3/4	1,112.13	3/4	754.34	3/4	397.99	3/4	67.97	3/4		3/4	
1	2,535.85	1	2,178.06	1	1,820.26	1	1,462.47	1	1,104.68	1	746.89	1	390.71	1	61.44	1		1	
1/4	2,528.39	1/4	2,170.60	1/4	1,812.81	1/4	1,455.02	1/4	1,097.22	1/4	739.43	1/4	383.43	1/4	54.90	1/4		1/4	
1/2	2,520.94	1/2	2,163.15	1/2	1,805.36	1/2	1,447.57	1/2	1,089.77	1/2	731.98	1/2	376.28	1/2	49.23	1/2		1/2	
3/4	2,513.49	3/4	2,155.69	3/4	1,797.90	3/4	1,440.11	3/4	1,082.32	3/4	724.53	3/4	369.12	3/4	43.55	3/4		3/4	
2	2,506.03	2	2,148.24	2	1,790.45	2	1,432.66	2	1,074.86	2	717.07	2	361.97	2	37.88	2		2	
1/4	2,498.58	1/4	2,140.78	1/4	1,782.99	1/4	1,425.20	1/4	1,067.41	1/4	709.62	1/4	354.81	1/4	32.20	1/4		1/4	
1/2	2,491.13	1/2	2,133.33	1/2	1,775.54	1/2	1,417.75	1/2	1,059.96	1/2	702.17	1/2	347.66	1/2	27.99	1/2		1/2	
3/4	2,483.67	3/4	2,125.88	3/4	1,768.09	3/4	1,410.29	3/4	1,052.50	3/4	694.71	3/4	340.50	3/4	23.78	3/4		3/4	
3	2,476.22	3	2,118.42	3	1,760.63	3	1,402.84	3	1,045.05	3	687.26	3	333.35	3	19.57	3		3	
1/4	2,468.76	1/4	2,110.97	1/4	1,753.18	1/4	1,395.38	1/4	1,037.59	1/4	679.80	1/4	326.19	1/4	15.36	1/4		1/4	
1/2	2,461.31	1/2	2,103.52	1/2	1,745.73	1/2	1,387.93	1/2	1,030.14	1/2	672.35	1/2	319.16	1/2		1/2		1/2	
3/4	2,453.85	3/4	2,096.06	3/4	1,738.27	3/4	1,380.48	3/4	1,022.69	3/4	664.89	3/4	312.13	3/4		3/4		3/4	
4	2,446.40	4	2,088.61	4	1,730.82	4	1,373.02	4	1,015.23	4	657.44	4	305.10	4	4	4		4	
1/4	2,438.94	1/4	2,081.15	1/4	1,723.36	1/4	1,365.57	1/4	1,007.78	1/4	649.98	1/4	298.07	1/4		1/4		1/4	
1/2	2,431.49	1/2	2,073.70	1/2	1,715.91	1/2	1,358.12	1/2	1,000.33	1/2	642.53	1/2	291.04	1/2		1/2		1/2	
3/4	2,424.04	3/4	2,066.25	3/4	1,708.45	3/4	1,350.66	3/4	992.87	3/4	635.08	3/4	284.01	3/4		3/4		3/4	
5	2,416.58	5	2,058.79	5	1,701.00	5	1,343.21	5	985.42	5	627.62	5	276.97	5	5	5		5	
1/4	2,409.13	1/4	2,051.34	1/4	1,693.54	1/4	1,335.75	1/4	977.96	1/4	620.17	1/4	269.94	1/4		1/4		1/4	
1/2	2,401.68	1/2	2,043.89	1/2	1,686.09	1/2	1,328.30	1/2	970.51	1/2	612.72	1/2	263.04	1/2		1/2		1/2	
3/4	2,394.22	3/4	2,036.43	3/4	1,678.64	3/4	1,320.85	3/4	963.05	3/4	605.26	3/4	256.13	3/4		3/4		3/4	
6	2,386.77	6	2,028.98	6	1,671.18	6	1,313.39	6	955.60	6	597.81	6	249.23	6	6	6		6	
1/4	2,379.31	1/4	2,021.52	1/4	1,663.73	1/4	1,305.94	1/4	948.14	1/4	590.35	1/4	242.32	1/4		1/4		1/4	
1/2	2,371.86	1/2	2,014.07	1/2	1,656.28	1/2	1,298.49	1/2	940.69	1/2	582.90	1/2	235.41	1/2		1/2		1/2	
3/4	2,364.41	3/4	2,006.61	3/4	1,648.82	3/4	1,291.03	3/4	933.24	3/4	575.45	3/4	228.51	3/4		3/4		3/4	
7	2,356.95	7	1,999.16	7	1,641.37	7	1,283.58	7	925.78	7	567.99	7	221.60	7	7	7		7	
1/4	2,349.50	1/4	1,991.70	1/4	1,633.91	1/4	1,276.12	1/4	918.33	1/4	560.54	1/4	214.69	1/4		1/4		1/4	
1/2	2,342.05	1/2	1,984.25	1/2	1,626.46	1/2	1,268.67	1/2	910.88	1/2	553.09	1/2	207.91	1/2		1/2		1/2	
3/4	2,334.59	3/4	1,976.80	3/4	1,619.01	3/4	1,261.21	3/4	903.42	3/4	545.63	3/4	201.13	3/4		3/4		3/4	
8	2,327.14	8	1,969.34	8	1,611.55	8	1,253.76	8	895.97	8	538.18	8	194.34	8	8	8		8	
1/4	2,319.68	1/4	1,961.89	1/4	1,604.10	1/4	1,246.30	1/4	888.51	1/4	530.72	1/4	187.56	1/4		1/4		1/4	
1/2	2,312.23	1/2	1,954.44	1/2	1,596.65	1/2	1,238.85	1/2	881.06	1/2	523.27	1/2	180.78	1/2		1/2		1/2	
3/4	2,304.77	3/4	1,946.98	3/4	1,589.19	3/4	1,231.40	3/4	873.61	3/4	515.81	3/4	174.00	3/4		3/4		3/4	
9	2,297.32	9	1,939.53	9	1,581.74	9	1,223.94	9	866.15	9	508.36	9	167.21	9	9	9		9	
1/4	2,289.86	1/4	1,932.07	1/4	1,574.28	1/4	1,216.49	1/4	858.70	1/4	500.90	1/4	160.43	1/4		1/4		1/4	
1/2	2,282.41	1/2	1,924.62	1/2	1,566.83	1/2	1,209.04	1/2	851.25	1/2	493.50	1/2	153.77	1/2		1/2		1/2	
3/4	2,274.96	3/4	1,917.17	3/4	1,559.37	3/4	1,201.58	3/4	843.79	3/4	486.10	3/4	147.12	3/4		3/4		3/4	
10	2,267.50	10	1,909.71	10	1,551.92	10	1,194.13	10	836.34	10	478.69	10	140.46	10	10	10		10	
1/4	2,260.05	1/4	1,902.26	1/4	1,544.46	1/4	1,186.67	1/4	828.88	1/4	471.29	1/4	133.80	1/4		1/4		1/4	
1/2	2,252.60	1/2	1,894.81	1/2	1,537.01	1/2	1,179.22	1/2	821.43	1/2	463.89	1/2	127.14	1/2		1/2		1/2	
3/4	2,245.14	3/4	1,887.35	3/4	1,529.56	3/4	1,171.77	3/4	813.97	3/4	456.48	3/4	120.49	3/4		3/4		3/4	
11	2,237.69	11	1,879.90	11	1,522.10	11	1,164.31	11	806.52	11	449.08	11	113.83	11	11	11		11	
1/4	2,230.23	1/4	1,872.44	1/4	1,514.65	1/4	1,156.86	1/4	799.06	1/4	441.67	1/4	107.17	1/4		1/4		1/4	
1/2	2,222.78	1/2	1,864.99	1/2	1,507.20	1/2	1,149.41	1/2	791.61	1/2	434.39	1/2	100.64	1/2		1/2		1/2	
3/4	2,215.33	3/4	1,857.53	3/4	1,499.74	3/4	1,141.95	3/4	784.16	3/4	427.11	3/4	94.11	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/22/2011 INSP
RECALCULATED: 12/03/2021 SW
REPRINTED: 12/03/2021 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29162"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

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	5,061.61	0	4,719.87	0	4,362.07	0	4,004.28	0	3,646.49	0	3,288.70	0	2,930.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,057.26	1/4	4,712.41	1/4	4,354.62	1/4	3,996.83	1/4	3,639.03	1/4	3,281.25	1/4	2,923.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,052.90	1/2	4,704.96	1/2	4,347.17	1/2	3,989.38	1/2	3,631.58	1/2	3,273.79	1/2	2,916.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,047.30	3/4	4,697.50	3/4	4,339.71	3/4	3,981.92	3/4	3,624.13	3/4	3,266.34	3/4	2,908.55		
1		1		1		1	5,041.70	1	4,690.05	1	4,332.26	1	3,974.47	1	3,616.67	1	3,258.89	1	2,901.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,036.10	1/4	4,682.59	1/4	4,324.80	1/4	3,967.01	1/4	3,609.22	1/4	3,251.43	1/4	2,893.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,030.50	1/2	4,675.14	1/2	4,317.35	1/2	3,959.56	1/2	3,601.77	1/2	3,243.98	1/2	2,886.18		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,023.66	3/4	4,667.69	3/4	4,309.90	3/4	3,952.10	3/4	3,594.31	3/4	3,236.53	3/4	2,878.73		
2		2		2		2	5,016.81	2	4,660.23	2	4,302.44	2	3,944.65	2	3,586.86	2	3,229.07	2	2,871.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,009.97	1/4	4,652.78	1/4	4,294.99	1/4	3,937.19	1/4	3,579.40	1/4	3,221.62	1/4	2,863.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,003.12	1/2	4,645.33	1/2	4,287.54	1/2	3,929.74	1/2	3,571.95	1/2	3,214.16	1/2	2,856.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,995.67	3/4	4,637.87	3/4	4,280.08	3/4	3,922.29	3/4	3,564.50	3/4	3,206.71	3/4	2,848.92		
3		3		3		3	4,988.21	3	4,630.42	3	4,272.63	3	3,914.83	3	3,557.04	3	3,199.25	3	2,841.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,980.76	1/4	4,622.96	1/4	4,265.17	1/4	3,907.38	1/4	3,549.59	1/4	3,191.80	1/4	2,834.01		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,973.30	1/2	4,615.51	1/2	4,257.72	1/2	3,899.93	1/2	3,542.14	1/2	3,184.34	1/2	2,826.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,965.85	3/4	4,608.06	3/4	4,250.26	3/4	3,892.47	3/4	3,534.68	3/4	3,176.89	3/4	2,819.10		
4		4		4		4	4,958.40	4	4,600.60	4	4,242.81	4	3,885.02	4	3,527.23	4	3,169.44	4	2,811.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,950.94	1/4	4,593.15	1/4	4,235.35	1/4	3,877.56	1/4	3,519.78	1/4	3,161.98	1/4	2,804.19		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,943.49	1/2	4,585.70	1/2	4,227.90	1/2	3,870.11	1/2	3,512.32	1/2	3,154.53	1/2	2,796.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,936.04	3/4	4,578.24	3/4	4,220.45	3/4	3,862.66	3/4	3,504.87	3/4	3,147.08	3/4	2,789.29		
5		5		5		5	4,928.58	5	4,570.79	5	4,212.99	5	3,855.20	5	3,497.41	5	3,139.62	5	2,781.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,921.13	1/4	4,563.33	1/4	4,205.54	1/4	3,847.75	1/4	3,489.96	1/4	3,132.17	1/4	2,774.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,913.67	1/2	4,555.88	1/2	4,198.09	1/2	3,840.30	1/2	3,482.50	1/2	3,124.71	1/2	2,766.92		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,906.22	3/4	4,548.42	3/4	4,190.63	3/4	3,832.84	3/4	3,475.05	3/4	3,117.26	3/4	2,759.47		
6		6		6		6	4,898.77	6	4,540.97	6	4,183.18	6	3,825.39	6	3,467.60	6	3,109.81	6	2,752.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,891.31	1/4	4,533.51	1/4	4,175.72	1/4	3,817.93	1/4	3,460.14	1/4	3,102.35	1/4	2,744.56		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,883.86	1/2	4,526.06	1/2	4,168.27	1/2	3,810.48	1/2	3,452.69	1/2	3,094.90	1/2	2,737.10		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,876.41	3/4	4,518.61	3/4	4,160.82	3/4	3,803.02	3/4	3,445.24	3/4	3,087.45	3/4	2,729.65		
7		7		7		7	4,868.95	7	4,511.15	7	4,153.36	7	3,795.57	7	3,437.78	7	3,079.99	7	2,722.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,861.50	1/4	4,503.70	1/4	4,145.91	1/4	3,788.11	1/4	3,430.33	1/4	3,072.54	1/4	2,714.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,854.04	1/2	4,496.25	1/2	4,138.46	1/2	3,780.66	1/2	3,422.87	1/2	3,065.08	1/2	2,707.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,846.59	3/4	4,488.79	3/4	4,131.00	3/4	3,773.21	3/4	3,415.42	3/4	3,057.63	3/4	2,699.84		
8		8		8		8	4,839.13	8	4,481.34	8	4,123.55	8	3,765.75	8	3,407.97	8	3,050.17	8	2,692.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,831.68	1/4	4,473.88	1/4	4,116.09	1/4	3,758.30	1/4	3,400.51	1/4	3,042.72	1/4	2,684.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,092.72	1/2	4,824.22	1/2	4,466.43	1/2	4,108.64	1/2	3,750.85	1/2	3,393.06	1/2	3,035.26	1/2	2,677.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,092.10	3/4	4,816.77	3/4	4,458.98	3/4	4,101.18	3/4	3,743.39	3/4	3,385.61	3/4	3,027.81	3/4	2,670.02
9		9		9		9	5,091.48	9	4,809.32	9	4,451.52	9	4,093.73	9	3,735.94	9	3,378.15	9	3,020.36	9	2,662.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,090.85	1/4	4,801.86	1/4	4,444.07	1/4	4,086.27	1/4	3,728.48	1/4	3,370.70	1/4	3,012.90	1/4	2,655.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,090.23	1/2	4,794.41	1/2	4,436.62	1/2	4,078.82	1/2	3,721.03	1/2	3,363.24	1/2	3,005.45	1/2	2,647.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,088.36	3/4	4,786.96	3/4	4,429.16	3/4	4,071.37	3/4	3,713.58	3/4	3,355.79	3/4	2,998.00	3/4	2,640.21
10		10		10		10	5,086.50	10	4,779.50	10	4,421.71	10	4,063.91	10	3,706.12	10	3,348.33	10	2,990.54	10	2,632.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,084.63	1/4	4,772.05	1/4	4,414.25	1/4	4,056.46	1/4	3,698.67	1/4	3,340.88	1/4	2,983.09	1/4	2,625.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,082.76	1/2	4,764.59	1/2	4,406.80	1/2	4,049.01	1/2	3,691.22	1/2	3,333.42	1/2	2,975.63	1/2	2,617.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,079.65	3/4	4,757.14	3/4	4,399.34	3/4	4,041.55	3/4	3,683.76	3/4	3,325.97	3/4	2,968.18	3/4	2,610.39
11		11		11		11	5,076.54	11	4,749.68	11	4,391.89	11	4,034.10	11	3,676.31	11	3,318.52	11	2,960.73	11	2,602.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,073.43	1/4	4,742.23	1/4	4,384.43	1/4	4,026.64	1/4	3,668.85	1/4	3,311.06	1/4	2,953.27	1/4	2,595.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,070.32	1/2	4,734.78	1/2	4,376.98	1/2	4,019.19	1/2	3,661.40	1/2	3,303.61	1/2	2,945.82	1/2	2,588.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,065.97	3/4	4,727.32	3/4	4,369.53	3/4	4,011.74	3/4	3,653.94	3/4	3,296.16	3/4	2,938.37	3/4	2,580.57

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

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



BARGE "KIRBY 29162"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,573.12	0	2,215.33	0	1,857.53	0	1,499.74	0	1,141.95	0	784.16	0	427.11	0	94.11	0		0	
1/4	2,565.66	1/4	2,207.87	1/4	1,850.08	1/4	1,492.29	1/4	1,134.50	1/4	776.70	1/4	419.83	1/4	87.57	1/4		1/4	
1/2	2,558.21	1/2	2,200.42	1/2	1,842.62	1/2	1,484.83	1/2	1,127.04	1/2	769.25	1/2	412.55	1/2	81.04	1/2		1/2	
3/4	2,550.76	3/4	2,192.97	3/4	1,835.17	3/4	1,477.38	3/4	1,119.59	3/4	761.80	3/4	405.27	3/4	74.51	3/4		3/4	
1	2,543.30	1	2,185.51	1	1,827.72	1	1,469.93	1	1,112.13	1	754.34	1	397.99	1	67.97	1		1	
1/4	2,535.85	1/4	2,178.06	1/4	1,820.26	1/4	1,462.47	1/4	1,104.68	1/4	746.89	1/4	390.71	1/4	61.44	1/4		1/4	
1/2	2,528.39	1/2	2,170.60	1/2	1,812.81	1/2	1,455.02	1/2	1,097.22	1/2	739.43	1/2	383.43	1/2	54.90	1/2		1/2	
3/4	2,520.94	3/4	2,163.15	3/4	1,805.36	3/4	1,447.57	3/4	1,089.77	3/4	731.98	3/4	376.28	3/4	49.23	3/4		3/4	
2	2,513.49	2	2,155.69	2	1,797.90	2	1,440.11	2	1,082.32	2	724.53	2	369.12	2	43.55	2		2	
1/4	2,506.03	1/4	2,148.24	1/4	1,790.45	1/4	1,432.66	1/4	1,074.86	1/4	717.07	1/4	361.97	1/4	37.88	1/4		1/4	
1/2	2,498.58	1/2	2,140.78	1/2	1,782.99	1/2	1,425.20	1/2	1,067.41	1/2	709.62	1/2	354.81	1/2	32.20	1/2		1/2	
3/4	2,491.13	3/4	2,133.33	3/4	1,775.54	3/4	1,417.75	3/4	1,059.96	3/4	702.17	3/4	347.66	3/4	27.99	3/4		3/4	
3	2,483.67	3	2,125.88	3	1,768.09	3	1,410.29	3	1,052.50	3	694.71	3	340.50	3	23.78	3		3	
1/4	2,476.22	1/4	2,118.42	1/4	1,760.63	1/4	1,402.84	1/4	1,045.05	1/4	687.26	1/4	333.35	1/4	19.57	1/4		1/4	
1/2	2,468.76	1/2	2,110.97	1/2	1,753.18	1/2	1,395.38	1/2	1,037.59	1/2	679.80	1/2	326.19	1/2	15.36	1/2		1/2	
3/4	2,461.31	3/4	2,103.52	3/4	1,745.73	3/4	1,387.93	3/4	1,030.14	3/4	672.35	3/4	319.16	3/4		3/4		3/4	
4	2,453.85	4	2,096.06	4	1,738.27	4	1,380.48	4	1,022.69	4	664.89	4	312.13	4		4		4	
1/4	2,446.40	1/4	2,088.61	1/4	1,730.82	1/4	1,373.02	1/4	1,015.23	1/4	657.44	1/4	305.10	1/4		1/4		1/4	
1/2	2,438.94	1/2	2,081.15	1/2	1,723.36	1/2	1,365.57	1/2	1,007.78	1/2	649.98	1/2	298.07	1/2		1/2		1/2	
3/4	2,431.49	3/4	2,073.70	3/4	1,715.91	3/4	1,358.12	3/4	1,000.33	3/4	642.53	3/4	291.04	3/4		3/4		3/4	
5	2,424.04	5	2,066.25	5	1,708.45	5	1,350.66	5	992.87	5	635.08	5	284.01	5		5		5	
1/4	2,416.58	1/4	2,058.79	1/4	1,701.00	1/4	1,343.21	1/4	985.42	1/4	627.62	1/4	276.97	1/4		1/4		1/4	
1/2	2,409.13	1/2	2,051.34	1/2	1,693.54	1/2	1,335.75	1/2	977.96	1/2	620.17	1/2	269.94	1/2		1/2		1/2	
3/4	2,401.68	3/4	2,043.89	3/4	1,686.09	3/4	1,328.30	3/4	970.51	3/4	612.72	3/4	263.04	3/4		3/4		3/4	
6	2,394.22	6	2,036.43	6	1,678.64	6	1,320.85	6	963.05	6	605.26	6	256.13	6		6		6	
1/4	2,386.77	1/4	2,028.98	1/4	1,671.18	1/4	1,313.39	1/4	955.60	1/4	597.81	1/4	249.23	1/4		1/4		1/4	
1/2	2,379.31	1/2	2,021.52	1/2	1,663.73	1/2	1,305.94	1/2	948.14	1/2	590.35	1/2	242.32	1/2		1/2		1/2	
3/4	2,371.86	3/4	2,014.07	3/4	1,656.28	3/4	1,298.49	3/4	940.69	3/4	582.90	3/4	235.41	3/4		3/4		3/4	
7	2,364.41	7	2,006.61	7	1,648.82	7	1,291.03	7	933.24	7	575.45	7	228.51	7		7		7	
1/4	2,356.95	1/4	1,999.16	1/4	1,641.37	1/4	1,283.58	1/4	925.78	1/4	567.99	1/4	221.60	1/4		1/4		1/4	
1/2	2,349.50	1/2	1,991.70	1/2	1,633.91	1/2	1,276.12	1/2	918.33	1/2	560.54	1/2	214.69	1/2		1/2		1/2	
3/4	2,342.05	3/4	1,984.25	3/4	1,626.46	3/4	1,268.67	3/4	910.88	3/4	553.09	3/4	207.91	3/4		3/4		3/4	
8	2,334.59	8	1,976.80	8	1,619.01	8	1,261.21	8	903.42	8	545.63	8	201.13	8		8		8	
1/4	2,327.14	1/4	1,969.34	1/4	1,611.55	1/4	1,253.76	1/4	895.97	1/4	538.18	1/4	194.34	1/4		1/4		1/4	
1/2	2,319.68	1/2	1,961.89	1/2	1,604.10	1/2	1,246.30	1/2	888.51	1/2	530.72	1/2	187.56	1/2		1/2		1/2	
3/4	2,312.23	3/4	1,954.44	3/4	1,596.65	3/4	1,238.85	3/4	881.06	3/4	523.27	3/4	180.78	3/4		3/4		3/4	
9	2,304.77	9	1,946.98	9	1,589.19	9	1,231.40	9	873.61	9	515.81	9	174.00	9		9		9	
1/4	2,297.32	1/4	1,939.53	1/4	1,581.74	1/4	1,223.94	1/4	866.15	1/4	508.36	1/4	167.21	1/4		1/4		1/4	
1/2	2,289.86	1/2	1,932.07	1/2	1,574.28	1/2	1,216.49	1/2	858.70	1/2	500.90	1/2	160.43	1/2		1/2		1/2	
3/4	2,282.41	3/4	1,924.62	3/4	1,566.83	3/4	1,209.04	3/4	851.25	3/4	493.50	3/4	153.77	3/4		3/4		3/4	
10	2,274.96	10	1,917.17	10	1,559.37	10	1,201.58	10	843.79	10	486.10	10	147.12	10		10		10	
1/4	2,267.50	1/4	1,909.71	1/4	1,551.92	1/4	1,194.13	1/4	836.34	1/4	478.69	1/4	140.46	1/4		1/4		1/4	
1/2	2,260.05	1/2	1,902.26	1/2	1,544.46	1/2	1,186.67	1/2	828.88	1/2	471.29	1/2	133.80	1/2		1/2		1/2	
3/4	2,252.60	3/4	1,894.81	3/4	1,537.01	3/4	1,179.22	3/4	821.43	3/4	463.89	3/4	127.14	3/4		3/4		3/4	
11	2,245.14	11	1,887.35	11	1,529.56	11	1,171.77	11	813.97	11	456.48	11	120.49	11		11		11	
1/4	2,237.69	1/4	1,879.90	1/4	1,522.10	1/4	1,164.31	1/4	806.52	1/4	449.08	1/4	113.83	1/4		1/4		1/4	
1/2	2,230.23	1/2	1,872.44	1/2	1,514.65	1/2	1,156.86	1/2	799.06	1/2	441.67	1/2	107.17	1/2		1/2		1/2	
3/4	2,222.78	3/4	1,864.99	3/4	1,507.20	3/4	1,149.41	3/4	791.61	3/4	434.39	3/4	100.64	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/22/2011 INSP
RECALCULATED: 12/03/2021 SW
REPRINTED: 12/03/2021 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

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



BARGE "KIRBY 29162"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	5,119.96	0	4,780.12	0	4,421.08	0	4,062.04	0	3,703.00	0	3,343.96	0	2,984.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,115.59	1/4	4,772.64	1/4	4,413.60	1/4	4,054.56	1/4	3,695.52	1/4	3,336.48	1/4	2,977.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,111.21	1/2	4,765.16	1/2	4,406.12	1/2	4,047.08	1/2	3,688.04	1/2	3,329.00	1/2	2,969.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,106.84	3/4	4,757.68	3/4	4,398.64	3/4	4,039.60	3/4	3,680.56	3/4	3,321.52	3/4	2,962.48		
1		1		1		1	5,101.22	1	4,750.20	1	4,391.16	1	4,032.12	1	3,673.08	1	3,314.04	1	2,955.00		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,095.60	1/4	4,742.72	1/4	4,383.68	1/4	4,024.64	1/4	3,665.60	1/4	3,306.56	1/4	2,947.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,089.98	1/2	4,735.24	1/2	4,376.20	1/2	4,017.16	1/2	3,658.12	1/2	3,299.08	1/2	2,940.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,084.36	3/4	4,727.76	3/4	4,368.72	3/4	4,009.68	3/4	3,650.64	3/4	3,291.60	3/4	2,932.56		
2		2		2		2	5,077.49	2	4,720.28	2	4,361.24	2	4,002.20	2	3,643.16	2	3,284.12	2	2,925.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,070.62	1/4	4,712.80	1/4	4,353.76	1/4	3,994.72	1/4	3,635.68	1/4	3,276.64	1/4	2,917.60		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,063.75	1/2	4,705.32	1/2	4,346.28	1/2	3,987.24	1/2	3,628.20	1/2	3,269.16	1/2	2,910.12		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,056.88	3/4	4,697.84	3/4	4,338.80	3/4	3,979.76	3/4	3,620.72	3/4	3,261.68	3/4	2,902.64		
3		3		3		3	5,049.40	3	4,690.36	3	4,331.32	3	3,972.28	3	3,613.24	3	3,254.20	3	2,895.16		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,041.92	1/4	4,682.88	1/4	4,323.84	1/4	3,964.80	1/4	3,605.76	1/4	3,246.72	1/4	2,887.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,034.44	1/2	4,675.40	1/2	4,316.36	1/2	3,957.32	1/2	3,598.28	1/2	3,239.24	1/2	2,880.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,026.96	3/4	4,667.92	3/4	4,308.88	3/4	3,949.84	3/4	3,590.80	3/4	3,231.76	3/4	2,872.72		
4		4		4		4	5,019.48	4	4,660.44	4	4,301.40	4	3,942.36	4	3,583.32	4	3,224.28	4	2,865.24		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,012.00	1/4	4,652.96	1/4	4,293.92	1/4	3,934.88	1/4	3,575.84	1/4	3,216.80	1/4	2,857.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,004.52	1/2	4,645.48	1/2	4,286.44	1/2	3,927.40	1/2	3,568.36	1/2	3,209.32	1/2	2,850.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,997.04	3/4	4,638.00	3/4	4,278.96	3/4	3,919.92	3/4	3,560.88	3/4	3,201.84	3/4	2,842.80		
5		5		5		5	4,989.56	5	4,630.52	5	4,271.48	5	3,912.44	5	3,553.40	5	3,194.36	5	2,835.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,982.08	1/4	4,623.04	1/4	4,264.00	1/4	3,904.96	1/4	3,545.92	1/4	3,186.88	1/4	2,827.84		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,974.60	1/2	4,615.56	1/2	4,256.52	1/2	3,897.48	1/2	3,538.44	1/2	3,179.40	1/2	2,820.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,967.12	3/4	4,608.08	3/4	4,249.04	3/4	3,890.00	3/4	3,530.96	3/4	3,171.92	3/4	2,812.88		
6		6		6		6	4,959.64	6	4,600.60	6	4,241.56	6	3,882.52	6	3,523.48	6	3,164.44	6	2,805.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,952.16	1/4	4,593.12	1/4	4,234.08	1/4	3,875.04	1/4	3,516.00	1/4	3,156.96	1/4	2,797.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,944.68	1/2	4,585.64	1/2	4,226.60	1/2	3,867.56	1/2	3,508.52	1/2	3,149.48	1/2	2,790.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,937.20	3/4	4,578.16	3/4	4,219.12	3/4	3,860.08	3/4	3,501.04	3/4	3,142.00	3/4	2,782.96		
7		7		7		7	4,929.72	7	4,570.68	7	4,211.64	7	3,852.60	7	3,493.56	7	3,134.52	7	2,775.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,922.24	1/4	4,563.20	1/4	4,204.16	1/4	3,845.12	1/4	3,486.08	1/4	3,127.04	1/4	2,768.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,914.76	1/2	4,555.72	1/2	4,196.68	1/2	3,837.64	1/2	3,478.60	1/2	3,119.56	1/2	2,760.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,907.28	3/4	4,548.24	3/4	4,189.20	3/4	3,830.16	3/4	3,471.12	3/4	3,112.08	3/4	2,753.04		
8		8		8		8	4,899.80	8	4,540.76	8	4,181.72	8	3,822.68	8	3,463.64	8	3,104.60	8	2,745.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,892.32	1/4	4,533.28	1/4	4,174.24	1/4	3,815.20	1/4	3,456.16	1/4	3,097.12	1/4	2,738.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,884.84	1/2	4,525.80	1/2	4,166.76	1/2	3,807.72	1/2	3,448.68	1/2	3,089.64	1/2	2,730.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,146.82	3/4	4,877.36	3/4	4,518.32	3/4	4,159.28	3/4	3,800.24	3/4	3,441.20	3/4	3,082.16	3/4	2,723.12
9		9		9		9	5,146.20	9	4,869.88	9	4,510.84	9	3,792.76	9	3,433.72	9	3,074.68	9	2,715.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,145.57	1/4	4,862.40	1/4	4,503.36	1/4	4,144.32	1/4	3,785.28	1/4	3,426.24	1/4	3,067.20	1/4	2,708.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,144.95	1/2	4,854.92	1/2	4,495.88	1/2	4,136.84	1/2	3,777.80	1/2	3,418.76	1/2	3,059.72	1/2	2,700.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,144.32	3/4	4,847.44	3/4	4,488.40	3/4	4,129.36	3/4	3,770.32	3/4	3,411.28	3/4	3,052.24	3/4	2,693.20
10		10		10		10	5,142.45	10	4,839.96	10	4,480.92	10	4,121.88	10	3,762.84	10	3,403.80	10	3,044.76	10	2,685.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,140.57	1/4	4,832.48	1/4	4,473.44	1/4	4,114.40	1/4	3,755.36	1/4	3,396.32	1/4	3,037.28	1/4	2,678.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,138.70	1/2	4,825.00	1/2	4,465.96	1/2	4,106.92	1/2	3,747.88	1/2	3,388.84	1/2	3,029.80	1/2	2,670.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,136.82	3/4	4,817.52	3/4	4,458.48	3/4	4,099.44	3/4	3,740.40	3/4	3,381.36	3/4	3,022.32	3/4	2,663.28
11		11		11		11	5,133.70	11	4,810.04	11	4,451.00	11	4,091.96	11	3,732.92	11	3,373.88	11	3,014.84	11	2,655.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,130.58	1/4	4,802.56	1/4	4,443.52	1/4	4,084.48	1/4	3,725.44	1/4	3,366.40	1/4	3,007.36	1/4	2,648.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,127.45	1/2	4,795.08	1/2	4,436.04	1/2	4,077.00	1/2	3,717.96	1/2	3,358.92	1/2	2,999.88	1/2	2,640.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,124.33	3/4	4,787.60	3/4	4,428.56	3/4	4,069.52	3/4	3,710.48	3/4	3,351.44	3/4	2,992.40	3/4	2,633.36

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

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



BARGE "KIRBY 29162"

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	2,625.88	0	2,266.84	0	1,907.80	0	1,548.76	0	1,189.72	0	830.68	0	471.64	0	112.60	0		0	
1/4	2,618.40	1/4	2,259.36	1/4	1,900.32	1/4	1,541.28	1/4	1,182.24	1/4	823.20	1/4	464.16	1/4	105.12	1/4		1/4	
1/2	2,610.92	1/2	2,251.88	1/2	1,892.84	1/2	1,533.80	1/2	1,174.76	1/2	815.72	1/2	456.68	1/2	97.64	1/2		1/2	
3/4	2,603.44	3/4	2,244.40	3/4	1,885.36	3/4	1,526.32	3/4	1,167.28	3/4	808.24	3/4	449.20	3/4	90.16	3/4		3/4	
1	2,595.96	1	2,236.92	1	1,877.88	1	1,518.84	1	1,159.80	1	800.76	1	441.72	1	82.68	1		1	
1/4	2,588.48	1/4	2,229.44	1/4	1,870.40	1/4	1,511.36	1/4	1,152.32	1/4	793.28	1/4	434.24	1/4	75.20	1/4		1/4	
1/2	2,581.00	1/2	2,221.96	1/2	1,862.92	1/2	1,503.88	1/2	1,144.84	1/2	785.80	1/2	426.76	1/2	67.72	1/2		1/2	
3/4	2,573.52	3/4	2,214.48	3/4	1,855.44	3/4	1,496.40	3/4	1,137.36	3/4	778.32	3/4	419.28	3/4	60.24	3/4		3/4	
2	2,566.04	2	2,207.00	2	1,847.96	2	1,488.92	2	1,129.88	2	770.84	2	411.80	2	53.68	2		2	
1/4	2,558.56	1/4	2,199.52	1/4	1,840.48	1/4	1,481.44	1/4	1,122.40	1/4	763.36	1/4	404.32	1/4	47.13	1/4		1/4	
1/2	2,551.08	1/2	2,192.04	1/2	1,833.00	1/2	1,473.96	1/2	1,114.92	1/2	755.88	1/2	396.84	1/2	40.57	1/2		1/2	
3/4	2,543.60	3/4	2,184.56	3/4	1,825.52	3/4	1,466.48	3/4	1,107.44	3/4	748.40	3/4	389.36	3/4	34.01	3/4		3/4	
3	2,536.12	3	2,177.08	3	1,818.04	3	1,459.00	3	1,099.96	3	740.92	3	381.88	3	29.33	3		3	
1/4	2,528.64	1/4	2,169.60	1/4	1,810.56	1/4	1,451.52	1/4	1,092.48	1/4	733.44	1/4	374.40	1/4	24.64	1/4		1/4	
1/2	2,521.16	1/2	2,162.12	1/2	1,803.08	1/2	1,444.04	1/2	1,085.00	1/2	725.96	1/2	366.92	1/2	19.96	1/2		1/2	
3/4	2,513.68	3/4	2,154.64	3/4	1,795.60	3/4	1,436.56	3/4	1,077.52	3/4	718.48	3/4	359.44	3/4	15.27	3/4		3/4	
4	2,506.20	4	2,147.16	4	1,788.12	4	1,429.08	4	1,070.04	4	711.00	4	351.96	4		4		4	
1/4	2,498.72	1/4	2,139.68	1/4	1,780.64	1/4	1,421.60	1/4	1,062.56	1/4	703.52	1/4	344.48	1/4		1/4		1/4	
1/2	2,491.24	1/2	2,132.20	1/2	1,773.16	1/2	1,414.12	1/2	1,055.08	1/2	696.04	1/2	337.00	1/2		1/2		1/2	
3/4	2,483.76	3/4	2,124.72	3/4	1,765.68	3/4	1,406.64	3/4	1,047.60	3/4	688.56	3/4	329.52	3/4		3/4		3/4	
5	2,476.28	5	2,117.24	5	1,758.20	5	1,399.16	5	1,040.12	5	681.08	5	322.04	5		5		5	
1/4	2,468.80	1/4	2,109.76	1/4	1,750.72	1/4	1,391.68	1/4	1,032.64	1/4	673.60	1/4	314.56	1/4		1/4		1/4	
1/2	2,461.32	1/2	2,102.28	1/2	1,743.24	1/2	1,384.20	1/2	1,025.16	1/2	666.12	1/2	307.08	1/2		1/2		1/2	
3/4	2,453.84	3/4	2,094.80	3/4	1,735.76	3/4	1,376.72	3/4	1,017.68	3/4	658.64	3/4	299.60	3/4		3/4		3/4	
6	2,446.36	6	2,087.32	6	1,728.28	6	1,369.24	6	1,010.20	6	651.16	6	292.12	6		6		6	
1/4	2,438.88	1/4	2,079.84	1/4	1,720.80	1/4	1,361.76	1/4	1,002.72	1/4	643.68	1/4	284.64	1/4		1/4		1/4	
1/2	2,431.40	1/2	2,072.36	1/2	1,713.32	1/2	1,354.28	1/2	995.24	1/2	636.20	1/2	277.16	1/2		1/2		1/2	
3/4	2,423.92	3/4	2,064.88	3/4	1,705.84	3/4	1,346.80	3/4	987.76	3/4	628.72	3/4	269.68	3/4		3/4		3/4	
7	2,416.44	7	2,057.40	7	1,698.36	7	1,339.32	7	980.28	7	621.24	7	262.20	7		7		7	
1/4	2,408.96	1/4	2,049.92	1/4	1,690.88	1/4	1,331.84	1/4	972.80	1/4	613.76	1/4	254.72	1/4		1/4		1/4	
1/2	2,401.48	1/2	2,042.44	1/2	1,683.40	1/2	1,324.36	1/2	965.32	1/2	606.28	1/2	247.24	1/2		1/2		1/2	
3/4	2,394.00	3/4	2,034.96	3/4	1,675.92	3/4	1,316.88	3/4	957.84	3/4	598.80	3/4	239.76	3/4		3/4		3/4	
8	2,386.52	8	2,027.48	8	1,668.44	8	1,309.40	8	950.36	8	591.32	8	232.28	8		8		8	
1/4	2,379.04	1/4	2,020.00	1/4	1,660.96	1/4	1,301.92	1/4	942.88	1/4	583.84	1/4	224.80	1/4		1/4		1/4	
1/2	2,371.56	1/2	2,012.52	1/2	1,653.48	1/2	1,294.44	1/2	935.40	1/2	576.36	1/2	217.32	1/2		1/2		1/2	
3/4	2,364.08	3/4	2,005.04	3/4	1,646.00	3/4	1,286.96	3/4	927.92	3/4	568.88	3/4	209.84	3/4		3/4		3/4	
9	2,356.60	9	1,997.56	9	1,638.52	9	1,279.48	9	920.44	9	561.40	9	202.36	9		9		9	
1/4	2,349.12	1/4	1,990.08	1/4	1,631.04	1/4	1,272.00	1/4	912.96	1/4	553.92	1/4	194.88	1/4		1/4		1/4	
1/2	2,341.64	1/2	1,982.60	1/2	1,623.56	1/2	1,264.52	1/2	905.48	1/2	546.44	1/2	187.40	1/2		1/2		1/2	
3/4	2,334.16	3/4	1,975.12	3/4	1,616.08	3/4	1,257.04	3/4	898.00	3/4	538.96	3/4	179.92	3/4		3/4		3/4	
10	2,326.68	10	1,967.64	10	1,608.60	10	1,249.56	10	890.52	10	531.48	10	172.44	10		10		10	
1/4	2,319.20	1/4	1,960.16	1/4	1,601.12	1/4	1,242.08	1/4	883.04	1/4	524.00	1/4	164.96	1/4		1/4		1/4	
1/2	2,311.72	1/2	1,952.68	1/2	1,593.64	1/2	1,234.60	1/2	875.56	1/2	516.52	1/2	157.48	1/2		1/2		1/2	
3/4	2,304.24	3/4	1,945.20	3/4	1,586.16	3/4	1,227.12	3/4	868.08	3/4	509.04	3/4	150.00	3/4		3/4		3/4	
11	2,296.76	11	1,937.72	11	1,578.68	11	1,219.64	11	860.60	11	501.56	11	142.52	11		11		11	
1/4	2,289.28	1/4	1,930.24	1/4	1,571.20	1/4	1,212.16	1/4	853.12	1/4	494.08	1/4	135.04	1/4		1/4		1/4	
1/2	2,281.80	1/2	1,922.76	1/2	1,563.72	1/2	1,204.68	1/2	845.64	1/2	486.60	1/2	127.56	1/2		1/2		1/2	
3/4	2,274.32	3/4	1,915.28	3/4	1,556.24	3/4	1,197.20	3/4	838.16	3/4	479.12	3/4	120.08	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/22/2011 INSP
RECALCULATED: 12/03/2021 SW
REPRINTED: 12/03/2021 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

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



BARGE "KIRBY 29162"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

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	5,111.21	0	4,765.16	0	4,406.12	0	4,047.08	0	3,688.04	0	3,329.00	0	2,969.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,106.84	1/4	4,757.68	1/4	4,398.64	1/4	4,039.60	1/4	3,680.56	1/4	3,321.52	1/4	2,962.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,101.22	1/2	4,750.20	1/2	4,391.16	1/2	4,032.12	1/2	3,673.08	1/2	3,314.04	1/2	2,955.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,095.60	3/4	4,742.72	3/4	4,383.68	3/4	4,024.64	3/4	3,665.60	3/4	3,306.56	3/4	2,947.52		
1		1		1		1	5,089.98	1	4,735.24	1	4,376.20	1	4,017.16	1	3,658.12	1	3,299.08	1	2,940.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,084.36	1/4	4,727.76	1/4	4,368.72	1/4	4,009.68	1/4	3,650.64	1/4	3,291.60	1/4	2,932.56		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,077.49	1/2	4,720.28	1/2	4,361.24	1/2	4,002.20	1/2	3,643.16	1/2	3,284.12	1/2	2,925.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,070.62	3/4	4,712.80	3/4	4,353.76	3/4	3,994.72	3/4	3,635.68	3/4	3,276.64	3/4	2,917.60		
2		2		2		2	5,063.75	2	4,705.32	2	4,346.28	2	3,987.24	2	3,628.20	2	3,269.16	2	2,910.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,056.88	1/4	4,697.84	1/4	4,338.80	1/4	3,979.76	1/4	3,620.72	1/4	3,261.68	1/4	2,902.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,049.40	1/2	4,690.36	1/2	4,331.32	1/2	3,972.28	1/2	3,613.24	1/2	3,254.20	1/2	2,895.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,041.92	3/4	4,682.88	3/4	4,323.84	3/4	3,964.80	3/4	3,605.76	3/4	3,246.72	3/4	2,887.68		
3		3		3		3	5,034.44	3	4,675.40	3	4,316.36	3	3,957.32	3	3,598.28	3	3,239.24	3	2,880.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,026.96	1/4	4,667.92	1/4	4,308.88	1/4	3,949.84	1/4	3,590.80	1/4	3,231.76	1/4	2,872.72		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,019.48	1/2	4,660.44	1/2	4,301.40	1/2	3,942.36	1/2	3,583.32	1/2	3,224.28	1/2	2,865.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,012.00	3/4	4,652.96	3/4	4,293.92	3/4	3,934.88	3/4	3,575.84	3/4	3,216.80	3/4	2,857.76		
4		4		4		4	5,004.52	4	4,645.48	4	4,286.44	4	3,927.40	4	3,568.36	4	3,209.32	4	2,850.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,997.04	1/4	4,638.00	1/4	4,278.96	1/4	3,919.92	1/4	3,560.88	1/4	3,201.84	1/4	2,842.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,989.56	1/2	4,630.52	1/2	4,271.48	1/2	3,912.44	1/2	3,553.40	1/2	3,194.36	1/2	2,835.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,982.08	3/4	4,623.04	3/4	4,264.00	3/4	3,904.96	3/4	3,545.92	3/4	3,186.88	3/4	2,827.84		
5		5		5		5	4,974.60	5	4,615.56	5	4,256.52	5	3,897.48	5	3,538.44	5	3,179.40	5	2,820.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,967.12	1/4	4,608.08	1/4	4,249.04	1/4	3,890.00	1/4	3,530.96	1/4	3,171.92	1/4	2,812.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,959.64	1/2	4,600.60	1/2	4,241.56	1/2	3,882.52	1/2	3,523.48	1/2	3,164.44	1/2	2,805.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,952.16	3/4	4,593.12	3/4	4,234.08	3/4	3,875.04	3/4	3,516.00	3/4	3,156.96	3/4	2,797.92		
6		6		6		6	4,944.68	6	4,585.64	6	4,226.60	6	3,867.56	6	3,508.52	6	3,149.48	6	2,790.44		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,937.20	1/4	4,578.16	1/4	4,219.12	1/4	3,860.08	1/4	3,501.04	1/4	3,142.00	1/4	2,782.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,929.72	1/2	4,570.68	1/2	4,211.64	1/2	3,852.60	1/2	3,493.56	1/2	3,134.52	1/2	2,775.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,922.24	3/4	4,563.20	3/4	4,204.16	3/4	3,845.12	3/4	3,486.08	3/4	3,127.04	3/4	2,768.00		
7		7		7		7	4,914.76	7	4,555.72	7	4,196.68	7	3,837.64	7	3,478.60	7	3,119.56	7	2,760.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,907.28	1/4	4,548.24	1/4	4,189.20	1/4	3,830.16	1/4	3,471.12	1/4	3,112.08	1/4	2,753.04		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,899.80	1/2	4,540.76	1/2	4,181.72	1/2	3,822.68	1/2	3,463.64	1/2	3,104.60	1/2	2,745.56		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,892.32	3/4	4,533.28	3/4	4,174.24	3/4	3,815.20	3/4	3,456.16	3/4	3,097.12	3/4	2,738.08		
8		8		8		8	4,884.84	8	4,525.80	8	4,166.76	8	3,807.72	8	3,448.68	8	3,089.64	8	2,730.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,146.82	1/4	4,877.36	1/4	4,518.32	1/4	4,159.28	1/4	3,800.24	1/4	3,441.20	1/4	3,082.16	1/4	2,723.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,146.20	1/2	4,869.88	1/2	4,510.84	1/2	4,151.80	1/2	3,792.76	1/2	3,433.72	1/2	3,074.68	1/2	2,715.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,145.57	3/4	4,862.40	3/4	4,503.36	3/4	4,144.32	3/4	3,785.28	3/4	3,426.24	3/4	3,067.20	3/4	2,708.16
9		9		9		9	5,144.95	9	4,854.92	9	4,495.88	9	4,136.84	9	3,777.80	9	3,418.76	9	3,059.72	9	2,700.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,144.32	1/4	4,847.44	1/4	4,488.40	1/4	4,129.36	1/4	3,770.32	1/4	3,411.28	1/4	3,052.24	1/4	2,693.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,142.45	1/2	4,839.96	1/2	4,480.92	1/2	4,121.88	1/2	3,762.84	1/2	3,403.80	1/2	3,044.76	1/2	2,685.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,140.57	3/4	4,832.48	3/4	4,473.44	3/4	4,114.40	3/4	3,755.36	3/4	3,396.32	3/4	3,037.28	3/4	2,678.24
10		10		10		10	5,138.70	10	4,825.00	10	4,465.96	10	4,106.92	10	3,747.88	10	3,388.84	10	3,029.80	10	2,670.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,136.82	1/4	4,817.52	1/4	4,458.48	1/4	4,099.44	1/4	3,740.40	1/4	3,381.36	1/4	3,022.32	1/4	2,663.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,133.70	1/2	4,810.04	1/2	4,451.00	1/2	4,091.96	1/2	3,732.92	1/2	3,373.88	1/2	3,014.84	1/2	2,655.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,130.58	3/4	4,802.56	3/4	4,443.52	3/4	4,084.48	3/4	3,725.44	3/4	3,366.40	3/4	3,007.36	3/4	2,648.32
11		11		11		11	5,127.45	11	4,795.08	11	4,436.04	11	4,077.00	11	3,717.96	11	3,358.92	11	2,999.88	11	2,640.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,124.33	1/4	4,787.60	1/4	4,428.56	1/4	4,069.52	1/4	3,710.48	1/4	3,351.44	1/4	2,992.40	1/4	2,633.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,119.96	1/2	4,780.12	1/2	4,421.08	1/2	4,062.04	1/2	3,703.00	1/2	3,343.96	1/2	2,984.92	1/2	2,625.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,115.59	3/4	4,772.64	3/4	4,413.60	3/4	4,054.56	3/4	3,695.52	3/4	3,336.48	3/4	2,977.44	3/4	2,618.40

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" 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 29162"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,610.92	0	2,251.88	0	1,892.84	0	1,533.80	0	1,174.76	0	815.72	0	456.68	0	97.64	0		0	
1/4	2,603.44	1/4	2,244.40	1/4	1,885.36	1/4	1,526.32	1/4	1,167.28	1/4	808.24	1/4	449.20	1/4	90.16	1/4		1/4	
1/2	2,595.96	1/2	2,236.92	1/2	1,877.88	1/2	1,518.84	1/2	1,159.80	1/2	800.76	1/2	441.72	1/2	82.68	1/2		1/2	
3/4	2,588.48	3/4	2,229.44	3/4	1,870.40	3/4	1,511.36	3/4	1,152.32	3/4	793.28	3/4	434.24	3/4	75.20	3/4		3/4	
1	2,581.00	1	2,221.96	1	1,862.92	1	1,503.88	1	1,144.84	1	785.80	1	426.76	1	67.72	1		1	
1/4	2,573.52	1/4	2,214.48	1/4	1,855.44	1/4	1,496.40	1/4	1,137.36	1/4	778.32	1/4	419.28	1/4	60.24	1/4		1/4	
1/2	2,566.04	1/2	2,207.00	1/2	1,847.96	1/2	1,488.92	1/2	1,129.88	1/2	770.84	1/2	411.80	1/2	53.68	1/2		1/2	
3/4	2,558.56	3/4	2,199.52	3/4	1,840.48	3/4	1,481.44	3/4	1,122.40	3/4	763.36	3/4	404.32	3/4	47.13	3/4		3/4	
2	2,551.08	2	2,192.04	2	1,833.00	2	1,473.96	2	1,114.92	2	755.88	2	396.84	2	40.57	2		2	
1/4	2,543.60	1/4	2,184.56	1/4	1,825.52	1/4	1,466.48	1/4	1,107.44	1/4	748.40	1/4	389.36	1/4	34.01	1/4		1/4	
1/2	2,536.12	1/2	2,177.08	1/2	1,818.04	1/2	1,459.00	1/2	1,099.96	1/2	740.92	1/2	381.88	1/2	29.33	1/2		1/2	
3/4	2,528.64	3/4	2,169.60	3/4	1,810.56	3/4	1,451.52	3/4	1,092.48	3/4	733.44	3/4	374.40	3/4	24.64	3/4		3/4	
3	2,521.16	3	2,162.12	3	1,803.08	3	1,444.04	3	1,085.00	3	725.96	3	366.92	3	19.96	3		3	
1/4	2,513.68	1/4	2,154.64	1/4	1,795.60	1/4	1,436.56	1/4	1,077.52	1/4	718.48	1/4	359.44	1/4	15.27	1/4		1/4	
1/2	2,506.20	1/2	2,147.16	1/2	1,788.12	1/2	1,429.08	1/2	1,070.04	1/2	711.00	1/2	351.96	1/2		1/2		1/2	
3/4	2,498.72	3/4	2,139.68	3/4	1,780.64	3/4	1,421.60	3/4	1,062.56	3/4	703.52	3/4	344.48	3/4		3/4		3/4	
4	2,491.24	4	2,132.20	4	1,773.16	4	1,414.12	4	1,055.08	4	696.04	4	337.00	4	4	4		4	
1/4	2,483.76	1/4	2,124.72	1/4	1,765.68	1/4	1,406.64	1/4	1,047.60	1/4	688.56	1/4	329.52	1/4		1/4		1/4	
1/2	2,476.28	1/2	2,117.24	1/2	1,758.20	1/2	1,399.16	1/2	1,040.12	1/2	681.08	1/2	322.04	1/2		1/2		1/2	
3/4	2,468.80	3/4	2,109.76	3/4	1,750.72	3/4	1,391.68	3/4	1,032.64	3/4	673.60	3/4	314.56	3/4		3/4		3/4	
5	2,461.32	5	2,102.28	5	1,743.24	5	1,384.20	5	1,025.16	5	666.12	5	307.08	5	5	5		5	
1/4	2,453.84	1/4	2,094.80	1/4	1,735.76	1/4	1,376.72	1/4	1,017.68	1/4	658.64	1/4	299.60	1/4		1/4		1/4	
1/2	2,446.36	1/2	2,087.32	1/2	1,728.28	1/2	1,369.24	1/2	1,010.20	1/2	651.16	1/2	292.12	1/2		1/2		1/2	
3/4	2,438.88	3/4	2,079.84	3/4	1,720.80	3/4	1,361.76	3/4	1,002.72	3/4	643.68	3/4	284.64	3/4		3/4		3/4	
6	2,431.40	6	2,072.36	6	1,713.32	6	1,354.28	6	995.24	6	636.20	6	277.16	6	6	6		6	
1/4	2,423.92	1/4	2,064.88	1/4	1,705.84	1/4	1,346.80	1/4	987.76	1/4	628.72	1/4	269.68	1/4		1/4		1/4	
1/2	2,416.44	1/2	2,057.40	1/2	1,698.36	1/2	1,339.32	1/2	980.28	1/2	621.24	1/2	262.20	1/2		1/2		1/2	
3/4	2,408.96	3/4	2,049.92	3/4	1,690.88	3/4	1,331.84	3/4	972.80	3/4	613.76	3/4	254.72	3/4		3/4		3/4	
7	2,401.48	7	2,042.44	7	1,683.40	7	1,324.36	7	965.32	7	606.28	7	247.24	7	7	7		7	
1/4	2,394.00	1/4	2,034.96	1/4	1,675.92	1/4	1,316.88	1/4	957.84	1/4	598.80	1/4	239.76	1/4		1/4		1/4	
1/2	2,386.52	1/2	2,027.48	1/2	1,668.44	1/2	1,309.40	1/2	950.36	1/2	591.32	1/2	232.28	1/2		1/2		1/2	
3/4	2,379.04	3/4	2,020.00	3/4	1,660.96	3/4	1,301.92	3/4	942.88	3/4	583.84	3/4	224.80	3/4		3/4		3/4	
8	2,371.56	8	2,012.52	8	1,653.48	8	1,294.44	8	935.40	8	576.36	8	217.32	8	8	8		8	
1/4	2,364.08	1/4	2,005.04	1/4	1,646.00	1/4	1,286.96	1/4	927.92	1/4	568.88	1/4	209.84	1/4		1/4		1/4	
1/2	2,356.60	1/2	1,997.56	1/2	1,638.52	1/2	1,279.48	1/2	920.44	1/2	561.40	1/2	202.36	1/2		1/2		1/2	
3/4	2,349.12	3/4	1,990.08	3/4	1,631.04	3/4	1,272.00	3/4	912.96	3/4	553.92	3/4	194.88	3/4		3/4		3/4	
9	2,341.64	9	1,982.60	9	1,623.56	9	1,264.52	9	905.48	9	546.44	9	187.40	9	9	9		9	
1/4	2,334.16	1/4	1,975.12	1/4	1,616.08	1/4	1,257.04	1/4	898.00	1/4	538.96	1/4	179.92	1/4		1/4		1/4	
1/2	2,326.68	1/2	1,967.64	1/2	1,608.60	1/2	1,249.56	1/2	890.52	1/2	531.48	1/2	172.44	1/2		1/2		1/2	
3/4	2,319.20	3/4	1,960.16	3/4	1,601.12	3/4	1,242.08	3/4	883.04	3/4	524.00	3/4	164.96	3/4		3/4		3/4	
10	2,311.72	10	1,952.68	10	1,593.64	10	1,234.60	10	875.56	10	516.52	10	157.48	10	10	10		10	
1/4	2,304.24	1/4	1,945.20	1/4	1,586.16	1/4	1,227.12	1/4	868.08	1/4	509.04	1/4	150.00	1/4		1/4		1/4	
1/2	2,296.76	1/2	1,937.72	1/2	1,578.68	1/2	1,219.64	1/2	860.60	1/2	501.56	1/2	142.52	1/2		1/2		1/2	
3/4	2,289.28	3/4	1,930.24	3/4	1,571.20	3/4	1,212.16	3/4	853.12	3/4	494.08	3/4	135.04	3/4		3/4		3/4	
11	2,281.80	11	1,922.76	11	1,563.72	11	1,204.68	11	845.64	11	486.60	11	127.56	11	11	11		11	
1/4	2,274.32	1/4	1,915.28	1/4	1,556.24	1/4	1,197.20	1/4	838.16	1/4	479.12	1/4	120.08	1/4		1/4		1/4	
1/2	2,266.84	1/2	1,907.80	1/2	1,548.76	1/2	1,189.72	1/2	830.68	1/2	471.64	1/2	112.60	1/2		1/2		1/2	
3/4	2,259.36	3/4	1,900.32	3/4	1,541.28	3/4	1,182.24	3/4	823.20	3/4	464.16	3/4	105.12	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/22/2011 INSP
RECALCULATED: 12/03/2021 SW
REPRINTED: 12/03/2021 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

PRECISION MEASUREMENT
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BARGE "KIRBY 29162"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

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	4,486.02	0	4,275.65	0	4,055.33	0	3,835.01	0	3,614.69	0	3,328.26	0	2,969.99
1/4		1/4		1/4		1/4	4,483.34	1/4	4,271.06	1/4	4,050.74	1/4	3,830.42	1/4	3,610.10	1/4	3,320.80	1/4	2,962.52
1/2		1/2		1/2		1/2	4,480.66	1/2	4,266.47	1/2	4,046.15	1/2	3,825.83	1/2	3,605.51	1/2	3,313.34	1/2	2,955.06
3/4		3/4		3/4		3/4	4,477.22	3/4	4,261.88	3/4	4,041.56	3/4	3,821.24	3/4	3,600.92	3/4	3,305.87	3/4	2,947.60
1		1		1		1	4,473.78	1	4,257.29	1	4,036.97	1	3,816.65	1	3,596.33	1	3,298.41	1	2,940.13
1/4		1/4		1/4		1/4	4,470.34	1/4	4,252.70	1/4	4,032.38	1/4	3,812.06	1/4	3,591.74	1/4	3,290.94	1/4	2,932.67
1/2		1/2		1/2		1/2	4,466.90	1/2	4,248.11	1/2	4,027.79	1/2	3,807.47	1/2	3,587.15	1/2	3,283.48	1/2	2,925.21
3/4		3/4		3/4		3/4	4,462.69	3/4	4,243.52	3/4	4,023.20	3/4	3,802.88	3/4	3,582.56	3/4	3,276.01	3/4	2,917.74
2		2		2		2	4,458.49	2	4,238.93	2	4,018.61	2	3,798.29	2	3,577.97	2	3,268.55	2	2,910.28
1/4		1/4		1/4		1/4	4,454.28	1/4	4,234.34	1/4	4,014.02	1/4	3,793.70	1/4	3,573.38	1/4	3,261.08	1/4	2,902.81
1/2		1/2		1/2		1/2	4,450.07	1/2	4,229.75	1/2	4,009.43	1/2	3,789.11	1/2	3,568.79	1/2	3,253.62	1/2	2,895.35
3/4		3/4		3/4		3/4	4,445.48	3/4	4,225.16	3/4	4,004.84	3/4	3,784.52	3/4	3,564.14	3/4	3,246.16	3/4	2,887.89
3		3		3		3	4,440.89	3	4,220.57	3	4,000.25	3	3,779.93	3	3,559.50	3	3,238.69	3	2,880.42
1/4		1/4		1/4		1/4	4,436.30	1/4	4,215.98	1/4	3,995.66	1/4	3,775.34	1/4	3,554.85	1/4	3,231.23	1/4	2,872.96
1/2		1/2		1/2		1/2	4,431.71	1/2	4,211.39	1/2	3,991.07	1/2	3,770.75	1/2	3,550.21	1/2	3,223.77	1/2	2,865.50
3/4		3/4		3/4		3/4	4,427.12	3/4	4,206.80	3/4	3,986.48	3/4	3,766.16	3/4	3,545.18	3/4	3,216.30	3/4	2,858.03
4		4		4		4	4,422.53	4	4,202.21	4	3,981.89	4	3,761.57	4	3,540.14	4	3,208.84	4	2,850.57
1/4		1/4		1/4		1/4	4,417.94	1/4	4,197.62	1/4	3,977.30	1/4	3,756.98	1/4	3,535.11	1/4	3,201.37	1/4	2,843.10
1/2		1/2		1/2		1/2	4,413.35	1/2	4,193.03	1/2	3,972.71	1/2	3,752.39	1/2	3,530.08	1/2	3,193.91	1/2	2,835.64
3/4		3/4		3/4		3/4	4,408.76	3/4	4,188.44	3/4	3,968.12	3/4	3,747.80	3/4	3,524.60	3/4	3,186.45	3/4	2,828.17
5		5		5		5	4,404.17	5	4,183.85	5	3,963.53	5	3,743.21	5	3,519.13	5	3,178.98	5	2,820.71
1/4		1/4		1/4		1/4	4,399.58	1/4	4,179.26	1/4	3,958.94	1/4	3,738.62	1/4	3,513.65	1/4	3,171.52	1/4	2,813.24
1/2		1/2		1/2		1/2	4,394.99	1/2	4,174.67	1/2	3,954.35	1/2	3,734.03	1/2	3,508.18	1/2	3,164.06	1/2	2,805.78
3/4		3/4		3/4		3/4	4,390.40	3/4	4,170.08	3/4	3,949.76	3/4	3,729.44	3/4	3,502.26	3/4	3,156.59	3/4	2,798.32
6		6		6		6	4,385.81	6	4,165.49	6	3,945.17	6	3,724.85	6	3,496.35	6	3,149.13	6	2,790.85
1/4		1/4		1/4		1/4	4,381.22	1/4	4,160.90	1/4	3,940.58	1/4	3,720.26	1/4	3,490.43	1/4	3,141.66	1/4	2,783.39
1/2		1/2		1/2		1/2	4,376.63	1/2	4,156.31	1/2	3,935.99	1/2	3,715.67	1/2	3,484.52	1/2	3,134.20	1/2	2,775.93
3/4		3/4		3/4		3/4	4,372.04	3/4	4,151.72	3/4	3,931.40	3/4	3,711.08	3/4	3,478.16	3/4	3,126.73	3/4	2,768.46
7		7		7		7	4,367.45	7	4,147.13	7	3,926.81	7	3,706.49	7	3,471.80	7	3,119.27	7	2,761.00
1/4		1/4		1/4		1/4	4,362.86	1/4	4,142.54	1/4	3,922.22	1/4	3,701.90	1/4	3,465.44	1/4	3,111.80	1/4	2,753.53
1/2		1/2		1/2		1/2	4,358.27	1/2	4,137.95	1/2	3,917.63	1/2	3,697.31	1/2	3,459.08	1/2	3,104.34	1/2	2,746.07
3/4		3/4		3/4		3/4	4,353.68	3/4	4,133.36	3/4	3,913.04	3/4	3,692.72	3/4	3,452.28	3/4	3,096.88	3/4	2,738.61
8		8		8		8	4,349.09	8	4,128.77	8	3,908.45	8	3,688.13	8	3,445.48	8	3,089.41	8	2,731.14
1/4		1/4		1/4		1/4	4,344.50	1/4	4,124.18	1/4	3,903.86	1/4	3,683.54	1/4	3,438.68	1/4	3,081.95	1/4	2,723.68
1/2		1/2		1/2	4,505.14	1/2	4,339.91	1/2	4,119.59	1/2	3,899.27	1/2	3,678.95	1/2	3,431.88	1/2	3,074.49	1/2	2,716.22
3/4		3/4		3/4	4,504.76	3/4	4,335.32	3/4	4,115.00	3/4	3,894.68	3/4	3,674.36	3/4	3,424.63	3/4	3,067.02	3/4	2,708.75
9		9		9	4,504.38	9	4,330.73	9	4,110.41	9	3,890.09	9	3,669.77	9	3,417.39	9	3,059.56	9	2,701.29
1/4		1/4		1/4	4,503.99	1/4	4,326.14	1/4	4,105.82	1/4	3,885.50	1/4	3,665.18	1/4	3,410.14	1/4	3,052.09	1/4	2,693.82
1/2		1/2		1/2	4,503.61	1/2	4,321.55	1/2	4,101.23	1/2	3,880.91	1/2	3,660.59	1/2	3,402.90	1/2	3,044.63	1/2	2,686.36
3/4		3/4		3/4	4,502.46	3/4	4,316.96	3/4	4,096.64	3/4	3,876.32	3/4	3,656.00	3/4	3,395.44	3/4	3,037.17	3/4	2,678.89
10		10		10	4,501.32	10	4,312.37	10	4,092.05	10	3,871.73	10	3,651.41	10	3,387.97	10	3,029.70	10	2,671.43
1/4		1/4		1/4	4,500.17	1/4	4,307.78	1/4	4,087.46	1/4	3,867.14	1/4	3,646.82	1/4	3,380.51	1/4	3,022.24	1/4	2,663.96
1/2		1/2		1/2	4,499.02	1/2	4,303.19	1/2	4,082.87	1/2	3,862.55	1/2	3,642.23	1/2	3,373.05	1/2	3,014.78	1/2	2,656.50
3/4		3/4		3/4	4,497.11	3/4	4,298.60	3/4	4,078.28	3/4	3,857.96	3/4	3,637.64	3/4	3,365.58	3/4	3,007.31	3/4	2,649.04
11		11		11	4,495.20	11	4,294.01	11	4,073.69	11	3,853.37	11	3,633.05	11	3,358.12	11	2,999.85	11	2,641.57
1/4		1/4		1/4	4,493.28	1/4	4,289.42	1/4	4,069.10	1/4	3,848.78	1/4	3,628.46	1/4	3,350.65	1/4	2,992.38	1/4	2,634.11
1/2		1/2		1/2	4,491.37	1/2	4,284.83	1/2	4,064.51	1/2	3,844.19	1/2	3,623.87	1/2	3,343.19	1/2	2,984.92	1/2	2,626.65
3/4		3/4		3/4	4,488.69	3/4	4,280.24	3/4	4,059.92	3/4	3,839.60	3/4	3,619.28	3/4	3,335.73	3/4	2,977.45	3/4	2,619.18

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29162"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,611.72	0	2,253.45	0	1,895.17	0	1,536.90	0	1,179.15	0	821.32	0	463.05	0	104.77	0		0	
1/4	2,604.25	1/4	2,245.98	1/4	1,887.71	1/4	1,529.44	1/4	1,171.70	1/4	813.85	1/4	455.58	1/4	97.31	1/4		1/4	
1/2	2,596.79	1/2	2,238.52	1/2	1,880.25	1/2	1,521.98	1/2	1,164.26	1/2	806.39	1/2	448.12	1/2	89.85	1/2		1/2	
3/4	2,589.33	3/4	2,231.05	3/4	1,872.78	3/4	1,514.51	3/4	1,156.82	3/4	798.93	3/4	440.65	3/4	82.38	3/4		3/4	
1	2,581.86	1	2,223.59	1	1,865.32	1	1,507.05	1	1,149.37	1	791.46	1	433.19	1	74.92	1		1	
1/4	2,574.40	1/4	2,216.12	1/4	1,857.85	1/4	1,499.58	1/4	1,141.93	1/4	784.00	1/4	425.72	1/4	67.45	1/4		1/4	
1/2	2,566.94	1/2	2,208.66	1/2	1,850.39	1/2	1,492.12	1/2	1,134.49	1/2	776.54	1/2	418.26	1/2	59.99	1/2		1/2	
3/4	2,559.47	3/4	2,201.20	3/4	1,842.93	3/4	1,484.65	3/4	1,127.04	3/4	769.07	3/4	410.80	3/4	53.46	3/4		3/4	
2	2,552.01	2	2,193.73	2	1,835.46	2	1,477.19	2	1,119.60	2	761.61	2	403.33	2	46.93	2		2	
1/4	2,544.54	1/4	2,186.27	1/4	1,828.00	1/4	1,469.72	1/4	1,112.15	1/4	754.14	1/4	395.87	1/4	40.40	1/4		1/4	
1/2	2,537.08	1/2	2,178.81	1/2	1,820.54	1/2	1,462.26	1/2	1,104.71	1/2	746.68	1/2	388.41	1/2	33.87	1/2		1/2	
3/4	2,529.61	3/4	2,171.34	3/4	1,813.07	3/4	1,454.80	3/4	1,097.27	3/4	739.21	3/4	380.94	3/4	29.20	3/4		3/4	
3	2,522.15	3	2,163.88	3	1,805.61	3	1,447.33	3	1,089.82	3	731.75	3	373.48	3	24.54	3		3	
1/4	2,514.68	1/4	2,156.41	1/4	1,798.14	1/4	1,439.87	1/4	1,082.38	1/4	724.28	1/4	366.01	1/4	19.87	1/4		1/4	
1/2	2,507.22	1/2	2,148.95	1/2	1,790.68	1/2	1,432.41	1/2	1,074.94	1/2	716.82	1/2	358.55	1/2	15.21	1/2		1/2	
3/4	2,499.76	3/4	2,141.49	3/4	1,783.21	3/4	1,424.94	3/4	1,067.49	3/4	709.36	3/4	351.09	3/4		3/4		3/4	
4	2,492.29	4	2,134.02	4	1,775.75	4	1,417.48	4	1,060.05	4	701.89	4	343.62	4		4		4	
1/4	2,484.83	1/4	2,126.56	1/4	1,768.28	1/4	1,410.01	1/4	1,052.60	1/4	694.43	1/4	336.16	1/4		1/4		1/4	
1/2	2,477.37	1/2	2,119.10	1/2	1,760.82	1/2	1,402.55	1/2	1,045.16	1/2	686.97	1/2	328.70	1/2		1/2		1/2	
3/4	2,469.90	3/4	2,111.63	3/4	1,753.36	3/4	1,395.09	3/4	1,037.71	3/4	679.50	3/4	321.23	3/4		3/4		3/4	
5	2,462.44	5	2,104.17	5	1,745.89	5	1,387.62	5	1,030.27	5	672.04	5	313.77	5		5		5	
1/4	2,454.97	1/4	2,096.70	1/4	1,738.43	1/4	1,380.16	1/4	1,022.82	1/4	664.57	1/4	306.30	1/4		1/4		1/4	
1/2	2,447.51	1/2	2,089.24	1/2	1,730.97	1/2	1,372.70	1/2	1,015.38	1/2	657.11	1/2	298.84	1/2		1/2		1/2	
3/4	2,440.05	3/4	2,081.77	3/4	1,723.50	3/4	1,365.25	3/4	1,007.92	3/4	649.65	3/4	291.37	3/4		3/4		3/4	
6	2,432.58	6	2,074.31	6	1,716.04	6	1,357.81	6	1,000.45	6	642.18	6	283.91	6		6		6	
1/4	2,425.12	1/4	2,066.84	1/4	1,708.57	1/4	1,350.36	1/4	992.99	1/4	634.72	1/4	276.44	1/4		1/4		1/4	
1/2	2,417.66	1/2	2,059.38	1/2	1,701.11	1/2	1,342.92	1/2	985.53	1/2	627.26	1/2	268.98	1/2		1/2		1/2	
3/4	2,410.19	3/4	2,051.92	3/4	1,693.65	3/4	1,335.47	3/4	978.06	3/4	619.79	3/4	261.52	3/4		3/4		3/4	
7	2,402.73	7	2,044.45	7	1,686.18	7	1,328.03	7	970.60	7	612.33	7	254.05	7		7		7	
1/4	2,395.26	1/4	2,036.99	1/4	1,678.72	1/4	1,320.58	1/4	963.13	1/4	604.86	1/4	246.59	1/4		1/4		1/4	
1/2	2,387.80	1/2	2,029.53	1/2	1,671.26	1/2	1,313.14	1/2	955.67	1/2	597.40	1/2	239.13	1/2		1/2		1/2	
3/4	2,380.33	3/4	2,022.06	3/4	1,663.79	3/4	1,305.70	3/4	948.21	3/4	589.93	3/4	231.66	3/4		3/4		3/4	
8	2,372.87	8	2,014.60	8	1,656.33	8	1,298.25	8	940.74	8	582.47	8	224.20	8		8		8	
1/4	2,365.40	1/4	2,007.13	1/4	1,648.86	1/4	1,290.81	1/4	933.28	1/4	575.00	1/4	216.73	1/4		1/4		1/4	
1/2	2,357.94	1/2	1,999.67	1/2	1,641.40	1/2	1,283.37	1/2	925.82	1/2	567.54	1/2	209.27	1/2		1/2		1/2	
3/4	2,350.48	3/4	1,992.21	3/4	1,633.93	3/4	1,275.92	3/4	918.35	3/4	560.08	3/4	201.81	3/4		3/4		3/4	
9	2,343.01	9	1,984.74	9	1,626.47	9	1,268.48	9	910.89	9	552.61	9	194.34	9		9		9	
1/4	2,335.55	1/4	1,977.28	1/4	1,619.00	1/4	1,261.03	1/4	903.42	1/4	545.15	1/4	186.88	1/4		1/4		1/4	
1/2	2,328.09	1/2	1,969.82	1/2	1,611.54	1/2	1,253.59	1/2	895.96	1/2	537.69	1/2	179.42	1/2		1/2		1/2	
3/4	2,320.62	3/4	1,962.35	3/4	1,604.08	3/4	1,246.15	3/4	888.49	3/4	530.22	3/4	171.95	3/4		3/4		3/4	
10	2,313.16	10	1,954.89	10	1,596.61	10	1,238.70	10	881.03	10	522.76	10	164.49	10		10		10	
1/4	2,305.69	1/4	1,947.42	1/4	1,589.15	1/4	1,231.26	1/4	873.56	1/4	515.29	1/4	157.02	1/4		1/4		1/4	
1/2	2,298.23	1/2	1,939.96	1/2	1,581.69	1/2	1,223.82	1/2	866.10	1/2	507.83	1/2	149.56	1/2		1/2		1/2	
3/4	2,290.77	3/4	1,932.49	3/4	1,574.22	3/4	1,216.37	3/4	858.64	3/4	500.37	3/4	142.09	3/4		3/4		3/4	
11	2,283.30	11	1,925.03	11	1,566.76	11	1,208.93	11	851.17	11	492.90	11	134.63	11		11		11	
1/4	2,275.84	1/4	1,917.56	1/4	1,559.29	1/4	1,201.48	1/4	843.71	1/4	485.44	1/4	127.16	1/4		1/4		1/4	
1/2	2,268.38	1/2	1,910.10	1/2	1,551.83	1/2	1,194.04	1/2	836.25	1/2	477.98	1/2	119.70	1/2		1/2		1/2	
3/4	2,260.91	3/4	1,902.64	3/4	1,544.37	3/4	1,186.59	3/4	828.78	3/4	470.51	3/4	112.24	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/22/2011 INSP
RECALCULATED: 12/03/2021 SW
REPRINTED: 12/03/2021 JS

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BARGE "KIRBY 29162"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

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	4,480.66	0	4,266.47	0	4,046.15	0	3,825.83	0	3,605.51	0	3,313.34	0	2,955.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,477.22	1/4	4,261.88	1/4	4,041.56	1/4	3,821.24	1/4	3,600.92	1/4	3,305.87	1/4	2,947.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,473.78	1/2	4,257.29	1/2	4,036.97	1/2	3,816.65	1/2	3,596.33	1/2	3,298.41	1/2	2,940.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,470.34	3/4	4,252.70	3/4	4,032.38	3/4	3,812.06	3/4	3,591.74	3/4	3,290.94	3/4	2,932.67
1		1		1		1	4,466.90	1	4,248.11	1	4,027.79	1	3,807.47	1	3,587.15	1	3,283.48	1	2,925.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,462.69	1/4	4,243.52	1/4	4,023.20	1/4	3,802.88	1/4	3,582.56	1/4	3,276.01	1/4	2,917.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,458.49	1/2	4,238.93	1/2	4,018.61	1/2	3,798.29	1/2	3,577.97	1/2	3,268.55	1/2	2,910.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,454.28	3/4	4,234.34	3/4	4,014.02	3/4	3,793.70	3/4	3,573.38	3/4	3,261.08	3/4	2,902.81
2		2		2		2	4,450.07	2	4,229.75	2	4,009.43	2	3,789.11	2	3,568.79	2	3,253.62	2	2,895.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,445.48	1/4	4,225.16	1/4	4,004.84	1/4	3,784.52	1/4	3,564.14	1/4	3,246.16	1/4	2,887.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,440.89	1/2	4,220.57	1/2	4,000.25	1/2	3,779.93	1/2	3,559.50	1/2	3,238.69	1/2	2,880.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,436.30	3/4	4,215.98	3/4	3,995.66	3/4	3,775.34	3/4	3,554.85	3/4	3,231.23	3/4	2,872.96
3		3		3		3	4,431.71	3	4,211.39	3	3,991.07	3	3,770.75	3	3,550.21	3	3,223.77	3	2,865.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,427.12	1/4	4,206.80	1/4	3,986.48	1/4	3,766.16	1/4	3,545.18	1/4	3,216.30	1/4	2,858.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,422.53	1/2	4,202.21	1/2	3,981.89	1/2	3,761.57	1/2	3,540.14	1/2	3,208.84	1/2	2,850.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,417.94	3/4	4,197.62	3/4	3,977.30	3/4	3,756.98	3/4	3,535.11	3/4	3,201.37	3/4	2,843.10
4		4		4		4	4,413.35	4	4,193.03	4	3,972.71	4	3,752.39	4	3,530.08	4	3,193.91	4	2,835.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,408.76	1/4	4,188.44	1/4	3,968.12	1/4	3,747.80	1/4	3,524.60	1/4	3,186.45	1/4	2,828.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,404.17	1/2	4,183.85	1/2	3,963.53	1/2	3,743.21	1/2	3,519.13	1/2	3,178.98	1/2	2,820.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,399.58	3/4	4,179.26	3/4	3,958.94	3/4	3,738.62	3/4	3,513.65	3/4	3,171.52	3/4	2,813.24
5		5		5		5	4,394.99	5	4,174.67	5	3,954.35	5	3,734.03	5	3,508.18	5	3,164.06	5	2,805.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,390.40	1/4	4,170.08	1/4	3,949.76	1/4	3,729.44	1/4	3,502.26	1/4	3,156.59	1/4	2,798.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,385.81	1/2	4,165.49	1/2	3,945.17	1/2	3,724.85	1/2	3,496.35	1/2	3,149.13	1/2	2,790.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,381.22	3/4	4,160.90	3/4	3,940.58	3/4	3,720.26	3/4	3,490.43	3/4	3,141.66	3/4	2,783.39
6		6		6		6	4,376.63	6	4,156.31	6	3,935.99	6	3,715.67	6	3,484.52	6	3,134.20	6	2,775.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,372.04	1/4	4,151.72	1/4	3,931.40	1/4	3,711.08	1/4	3,478.16	1/4	3,126.73	1/4	2,768.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,367.45	1/2	4,147.13	1/2	3,926.81	1/2	3,706.49	1/2	3,471.80	1/2	3,119.27	1/2	2,761.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,362.86	3/4	4,142.54	3/4	3,922.22	3/4	3,701.90	3/4	3,465.44	3/4	3,111.80	3/4	2,753.53
7		7		7		7	4,358.27	7	4,137.95	7	3,917.63	7	3,697.31	7	3,459.08	7	3,104.34	7	2,746.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,353.68	1/4	4,133.36	1/4	3,913.04	1/4	3,692.72	1/4	3,452.28	1/4	3,096.88	1/4	2,738.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,349.09	1/2	4,128.77	1/2	3,908.45	1/2	3,688.13	1/2	3,445.48	1/2	3,089.41	1/2	2,731.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,344.50	3/4	4,124.18	3/4	3,903.86	3/4	3,683.54	3/4	3,438.68	3/4	3,081.95	3/4	2,723.68
8		8	3	4,505.14	8	4,339.91	8	4,119.59	8	3,899.27	8	3,678.95	8	3,431.88	8	3,074.49	8	2,716.22	
1/4	1/4	1/4	1/4	4,504.76	1/4	4,335.32	1/4	4,115.00	1/4	3,894.68	1/4	3,674.36	1/4	3,424.63	1/4	3,067.02	1/4	2,708.75	
1/2	1/2	1/2	1/2	4,504.38	1/2	4,330.73	1/2	4,110.41	1/2	3,890.09	1/2	3,669.77	1/2	3,417.39	1/2	3,059.56	1/2	2,701.29	
3/4	3/4	3/4	3/4	4,503.99	3/4	4,326.14	3/4	4,105.82	3/4	3,885.50	3/4	3,665.18	3/4	3,410.14	3/4	3,052.09	3/4	2,693.82	
9		9		4,503.61	9	4,321.55	9	4,101.23	9	3,880.91	9	3,660.59	9	3,402.90	9	3,044.63	9	2,686.36	
1/4	1/4	1/4	1/4	4,502.46	1/4	4,316.96	1/4	4,096.64	1/4	3,876.32	1/4	3,656.00	1/4	3,395.44	1/4	3,037.17	1/4	2,678.89	
1/2	1/2	1/2	1/2	4,501.32	1/2	4,312.37	1/2	4,092.05	1/2	3,871.73	1/2	3,651.41	1/2	3,387.97	1/2	3,029.70	1/2	2,671.43	
3/4	3/4	3/4	3/4	4,500.17	3/4	4,307.78	3/4	4,087.46	3/4	3,867.14	3/4	3,646.82	3/4	3,380.51	3/4	3,022.24	3/4	2,663.96	
10		10		4,499.02	10	4,303.19	10	4,082.87	10	3,862.55	10	3,642.23	10	3,373.05	10	3,014.78	10	2,656.50	
1/4	1/4	1/4	1/4	4,497.11	1/4	4,298.60	1/4	4,078.28	1/4	3,857.96	1/4	3,637.64	1/4	3,365.58	1/4	3,007.31	1/4	2,649.04	
1/2	1/2	1/2	1/2	4,495.20	1/2	4,294.01	1/2	4,073.69	1/2	3,853.37	1/2	3,633.05	1/2	3,358.12	1/2	2,999.85	1/2	2,641.57	
3/4	3/4	3/4	3/4	4,493.28	3/4	4,289.42	3/4	4,069.10	3/4	3,848.78	3/4	3,628.46	3/4	3,350.65	3/4	2,992.38	3/4	2,634.11	
11		11		4,491.37	11	4,284.83	11	4,064.51	11	3,844.19	11	3,623.87	11	3,343.19	11	2,984.92	11	2,626.65	
1/4	1/4	1/4	1/4	4,488.69	1/4	4,280.24	1/4	4,059.92	1/4	3,839.60	1/4	3,619.28	1/4	3,335.73	1/4	2,977.45	1/4	2,619.18	
1/2	1/2	1/2	1/2	4,486.02	1/2	4,275.65	1/2	4,055.33	1/2	3,835.01	1/2	3,614.69	1/2	3,328.26	1/2	2,969.99	1/2	2,611.72	
3/4	3/4	3/4	3/4	4,483.34	3/4	4,271.06	3/4	4,050.74	3/4	3,830.42	3/4	3,610.10	3/4	3,320.80	3/4	2,962.52	3/4	2,604.25	

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29162"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

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	2,596.79	0	2,238.52	0	1,880.25	0	1,521.98	0	1,164.26	0	806.39	0	448.12	0	89.85	0		0	
1/4	2,589.33	1/4	2,231.05	1/4	1,872.78	1/4	1,514.51	1/4	1,156.82	1/4	798.93	1/4	440.65	1/4	82.38	1/4		1/4	
1/2	2,581.86	1/2	2,223.59	1/2	1,865.32	1/2	1,507.05	1/2	1,149.37	1/2	791.46	1/2	433.19	1/2	74.92	1/2		1/2	
3/4	2,574.40	3/4	2,216.12	3/4	1,857.85	3/4	1,499.58	3/4	1,141.93	3/4	784.00	3/4	425.72	3/4	67.45	3/4		3/4	
1	2,566.94	1	2,208.66	1	1,850.39	1	1,492.12	1	1,134.49	1	776.54	1	418.26	1	59.99	1		1	
1/4	2,559.47	1/4	2,201.20	1/4	1,842.93	1/4	1,484.65	1/4	1,127.04	1/4	769.07	1/4	410.80	1/4	53.46	1/4		1/4	
1/2	2,552.01	1/2	2,193.73	1/2	1,835.46	1/2	1,477.19	1/2	1,119.60	1/2	761.61	1/2	403.33	1/2	46.93	1/2		1/2	
3/4	2,544.54	3/4	2,186.27	3/4	1,828.00	3/4	1,469.72	3/4	1,112.15	3/4	754.14	3/4	395.87	3/4	40.40	3/4		3/4	
2	2,537.08	2	2,178.81	2	1,820.54	2	1,462.26	2	1,104.71	2	746.68	2	388.41	2	33.87	2		2	
1/4	2,529.61	1/4	2,171.34	1/4	1,813.07	1/4	1,454.80	1/4	1,097.27	1/4	739.21	1/4	380.94	1/4	29.20	1/4		1/4	
1/2	2,522.15	1/2	2,163.88	1/2	1,805.61	1/2	1,447.33	1/2	1,089.82	1/2	731.75	1/2	373.48	1/2	24.54	1/2		1/2	
3/4	2,514.68	3/4	2,156.41	3/4	1,798.14	3/4	1,439.87	3/4	1,082.38	3/4	724.28	3/4	366.01	3/4	19.87	3/4		3/4	
3	2,507.22	3	2,148.95	3	1,790.68	3	1,432.41	3	1,074.94	3	716.82	3	358.55	3	15.21	3		3	
1/4	2,499.76	1/4	2,141.49	1/4	1,783.21	1/4	1,424.94	1/4	1,067.49	1/4	709.36	1/4	351.09	1/4		1/4		1/4	
1/2	2,492.29	1/2	2,134.02	1/2	1,775.75	1/2	1,417.48	1/2	1,060.05	1/2	701.89	1/2	343.62	1/2		1/2		1/2	
3/4	2,484.83	3/4	2,126.56	3/4	1,768.28	3/4	1,410.01	3/4	1,052.60	3/4	694.43	3/4	336.16	3/4		3/4		3/4	
4	2,477.37	4	2,119.10	4	1,760.82	4	1,402.55	4	1,045.16	4	686.97	4	328.70	4		4		4	
1/4	2,469.90	1/4	2,111.63	1/4	1,753.36	1/4	1,395.09	1/4	1,037.71	1/4	679.50	1/4	321.23	1/4		1/4		1/4	
1/2	2,462.44	1/2	2,104.17	1/2	1,745.89	1/2	1,387.62	1/2	1,030.27	1/2	672.04	1/2	313.77	1/2		1/2		1/2	
3/4	2,454.97	3/4	2,096.70	3/4	1,738.43	3/4	1,380.16	3/4	1,022.82	3/4	664.57	3/4	306.30	3/4		3/4		3/4	
5	2,447.51	5	2,089.24	5	1,730.97	5	1,372.70	5	1,015.38	5	657.11	5	298.84	5		5		5	
1/4	2,440.05	1/4	2,081.77	1/4	1,723.50	1/4	1,365.25	1/4	1,007.92	1/4	649.65	1/4	291.37	1/4		1/4		1/4	
1/2	2,432.58	1/2	2,074.31	1/2	1,716.04	1/2	1,357.81	1/2	1,000.45	1/2	642.18	1/2	283.91	1/2		1/2		1/2	
3/4	2,425.12	3/4	2,066.84	3/4	1,708.57	3/4	1,350.36	3/4	992.99	3/4	634.72	3/4	276.44	3/4		3/4		3/4	
6	2,417.66	6	2,059.38	6	1,701.11	6	1,342.92	6	985.53	6	627.26	6	268.98	6		6		6	
1/4	2,410.19	1/4	2,051.92	1/4	1,693.65	1/4	1,335.47	1/4	978.06	1/4	619.79	1/4	261.52	1/4		1/4		1/4	
1/2	2,402.73	1/2	2,044.45	1/2	1,686.18	1/2	1,328.03	1/2	970.60	1/2	612.33	1/2	254.05	1/2		1/2		1/2	
3/4	2,395.26	3/4	2,036.99	3/4	1,678.72	3/4	1,320.58	3/4	963.13	3/4	604.86	3/4	246.59	3/4		3/4		3/4	
7	2,387.80	7	2,029.53	7	1,671.26	7	1,313.14	7	955.67	7	597.40	7	239.13	7		7		7	
1/4	2,380.33	1/4	2,022.06	1/4	1,663.79	1/4	1,305.70	1/4	948.21	1/4	589.93	1/4	231.66	1/4		1/4		1/4	
1/2	2,372.87	1/2	2,014.60	1/2	1,656.33	1/2	1,298.25	1/2	940.74	1/2	582.47	1/2	224.20	1/2		1/2		1/2	
3/4	2,365.40	3/4	2,007.13	3/4	1,648.86	3/4	1,290.81	3/4	933.28	3/4	575.00	3/4	216.73	3/4		3/4		3/4	
8	2,357.94	8	1,999.67	8	1,641.40	8	1,283.37	8	925.82	8	567.54	8	209.27	8		8		8	
1/4	2,350.48	1/4	1,992.21	1/4	1,633.93	1/4	1,275.92	1/4	918.35	1/4	560.08	1/4	201.81	1/4		1/4		1/4	
1/2	2,343.01	1/2	1,984.74	1/2	1,626.47	1/2	1,268.48	1/2	910.89	1/2	552.61	1/2	194.34	1/2		1/2		1/2	
3/4	2,335.55	3/4	1,977.28	3/4	1,619.00	3/4	1,261.03	3/4	903.42	3/4	545.15	3/4	186.88	3/4		3/4		3/4	
9	2,328.09	9	1,969.82	9	1,611.54	9	1,253.59	9	895.96	9	537.69	9	179.42	9		9		9	
1/4	2,320.62	1/4	1,962.35	1/4	1,604.08	1/4	1,246.15	1/4	888.49	1/4	530.22	1/4	171.95	1/4		1/4		1/4	
1/2	2,313.16	1/2	1,954.89	1/2	1,596.61	1/2	1,238.70	1/2	881.03	1/2	522.76	1/2	164.49	1/2		1/2		1/2	
3/4	2,305.69	3/4	1,947.42	3/4	1,589.15	3/4	1,231.26	3/4	873.56	3/4	515.29	3/4	157.02	3/4		3/4		3/4	
10	2,298.23	10	1,939.96	10	1,581.69	10	1,223.82	10	866.10	10	507.83	10	149.56	10		10		10	
1/4	2,290.77	1/4	1,932.49	1/4	1,574.22	1/4	1,216.37	1/4	858.64	1/4	500.37	1/4	142.09	1/4		1/4		1/4	
1/2	2,283.30	1/2	1,925.03	1/2	1,566.76	1/2	1,208.93	1/2	851.17	1/2	492.90	1/2	134.63	1/2		1/2		1/2	
3/4	2,275.84	3/4	1,917.56	3/4	1,559.29	3/4	1,201.48	3/4	843.71	3/4	485.44	3/4	127.16	3/4		3/4		3/4	
11	2,268.38	11	1,910.10	11	1,551.83	11	1,194.04	11	836.25	11	477.98	11	119.70	11		11		11	
1/4	2,260.91	1/4	1,902.64	1/4	1,544.37	1/4	1,186.59	1/4	828.78	1/4	470.51	1/4	112.24	1/4		1/4		1/4	
1/2	2,253.45	1/2	1,895.17	1/2	1,536.90	1/2	1,179.15	1/2	821.32	1/2	463.05	1/2	104.77	1/2		1/2		1/2	
3/4	2,245.98	3/4	1,887.71	3/4	1,529.44	3/4	1,171.70	3/4	813.85	3/4	455.58	3/4	97.31	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/22/2011 INSP
RECALCULATED: 12/03/2021 SW
REPRINTED: 12/03/2021 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

PRECISION MEASUREMENT
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BARGE "KIRBY 29162"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30030"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	5	1/4	440	1/4	1,026	1/4	1,641	1/4	2,201	1/4		1/4		1/4		1/4		1/4	
1/2	11	1/2	452	1/2	1,039	1/2	1,654	1/2	2,211	1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	463	3/4	1,052	3/4	1,666	3/4	2,221	3/4		3/4		3/4		3/4		3/4	
1	21	1	474	1	1,065	1	1,679	1	2,231	1		1		1		1		1	
1/4	28	1/4	486	1/4	1,077	1/4	1,691	1/4	2,241	1/4		1/4		1/4		1/4		1/4	
1/2	34	1/2	497	1/2	1,090	1/2	1,704	1/2	2,251	1/2		1/2		1/2		1/2		1/2	
3/4	41	3/4	509	3/4	1,103	3/4	1,716	3/4	2,261	3/4		3/4		3/4		3/4		3/4	
2	48	2	520	2	1,116	2	1,729	2	2,271	2		2		2		2		2	
1/4	55	1/4	532	1/4	1,129	1/4	1,741	1/4	2,281	1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	544	1/2	1,142	1/2	1,753	1/2	2,290	1/2		1/2		1/2		1/2		1/2	
3/4	70	3/4	556	3/4	1,155	3/4	1,766	3/4	2,300	3/4		3/4		3/4		3/4		3/4	
3	77	3	567	3	1,167	3	1,778	3	2,309	3		3		3		3		3	
1/4	85	1/4	579	1/4	1,180	1/4	1,790	1/4	2,318	1/4		1/4		1/4		1/4		1/4	
1/2	93	1/2	591	1/2	1,193	1/2	1,802	1/2	2,327	1/2		1/2		1/2		1/2		1/2	
3/4	102	3/4	603	3/4	1,206	3/4	1,815	3/4	2,336	3/4		3/4		3/4		3/4		3/4	
4	110	4	615	4	1,219	4	1,827	4	2,346	4		4		4		4		4	
1/4	118	1/4	627	1/4	1,232	1/4	1,839	1/4	2,354	1/4		1/4		1/4		1/4		1/4	
1/2	127	1/2	639	1/2	1,245	1/2	1,851	1/2	2,363	1/2		1/2		1/2		1/2		1/2	
3/4	136	3/4	651	3/4	1,258	3/4	1,863	3/4	2,372	3/4		3/4		3/4		3/4		3/4	
5	144	5	663	5	1,271	5	1,875	5	2,380	5		5		5		5		5	
1/4	153	1/4	675	1/4	1,284	1/4	1,887	1/4	2,388	1/4		1/4		1/4		1/4		1/4	
1/2	162	1/2	687	1/2	1,296	1/2	1,899	1/2	2,396	1/2		1/2		1/2		1/2		1/2	
3/4	172	3/4	700	3/4	1,309	3/4	1,911	3/4	2,404	3/4		3/4		3/4		3/4		3/4	
6	181	6	712	6	1,322	6	1,922	6	2,413	6		6		6		6		6	
1/4	190	1/4	724	1/4	1,335	1/4	1,934	1/4	2,420	1/4		1/4		1/4		1/4		1/4	
1/2	200	1/2	736	1/2	1,348	1/2	1,946	1/2	2,427	1/2		1/2		1/2		1/2		1/2	
3/4	209	3/4	749	3/4	1,361	3/4	1,958	3/4	2,435	3/4		3/4		3/4		3/4		3/4	
7	219	7	761	7	1,374	7	1,969	7	2,442	7		7		7		7		7	
1/4	229	1/4	774	1/4	1,387	1/4	1,981	1/4	2,449	1/4		1/4		1/4		1/4		1/4	
1/2	239	1/2	786	1/2	1,400	1/2	1,992	1/2	2,455	1/2		1/2		1/2		1/2		1/2	
3/4	248	3/4	798	3/4	1,412	3/4	2,004	3/4	2,462	3/4		3/4		3/4		3/4		3/4	
8	258	8	811	8	1,425	8	2,015	8	2,469	8		8		8		8		8	
1/4	269	1/4	823	1/4	1,438	1/4	2,027	1/4	2,474	1/4		1/4		1/4		1/4		1/4	
1/2	279	1/2	836	1/2	1,451	1/2	2,038	1/2	2,479	1/2		1/2		1/2		1/2		1/2	
3/4	289	3/4	848	3/4	1,464	3/4	2,049	3/4	2,485	3/4		3/4		3/4		3/4		3/4	
9	299	9	861	9	1,476	9	2,061	9	2,490	9		9		9		9		9	
1/4	310	1/4	874	1/4	1,489	1/4	2,072	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	320	1/2	886	1/2	1,502	1/2	2,083	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	331	3/4	899	3/4	1,515	3/4	2,094	3/4		3/4		3/4		3/4		3/4		3/4	
10	342	10	911	10	1,528	10	2,105	10		10		10		10		10		10	
1/4	352	1/4	924	1/4	1,540	1/4	2,116	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	363	1/2	937	1/2	1,553	1/2	2,127	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	374	3/4	950	3/4	1,566	3/4	2,137	3/4		3/4		3/4		3/4		3/4		3/4	
11	385	11	962	11	1,578	11	2,148	11		11		11		11		11		11	
1/4	396	1/4	975	1/4	1,591	1/4	2,159	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	407	1/2	988	1/2	1,604	1/2	2,169	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	418	3/4	1,001	3/4	1,616	3/4	2,180	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: 12/02/2021 JS
CALCULATED: 12/03/2021 CL
PRINTED: 12/03/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 29162"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30030"

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	101	0	259	0	416	0	517	0		0		0		0		0	
1/4	1	1/4	104	1/4	262	1/4	419	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	107	1/2	265	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	110	3/4	269	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	113	1	272	1	428	1		1		1		1		1		1	
1/4	4	1/4	116	1/4	276	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	279	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	282	3/4	436	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	286	2	439	2		2		2		2		2		2	
1/4	9	1/4	129	1/4	289	1/4	442	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	132	1/2	293	1/2	444	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	135	3/4	296	3/4	447	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	138	3	300	3	450	3		3		3		3		3		3	
1/4	15	1/4	141	1/4	303	1/4	453	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	306	1/2	455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	148	3/4	310	3/4	458	3/4		3/4		3/4		3/4		3/4		3/4	
4	21	4	151	4	313	4	460	4		4		4		4		4		4	
1/4	23	1/4	154	1/4	316	1/4	463	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	25	1/2	157	1/2	320	1/2	465	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	161	3/4	323	3/4	468	3/4		3/4		3/4		3/4		3/4		3/4	
5	29	5	164	5	327	5	470	5		5		5		5		5		5	
1/4	31	1/4	167	1/4	330	1/4	473	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	170	1/2	333	1/2	475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	174	3/4	337	3/4	477	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	177	6	340	6	480	6		6		6		6		6		6	
1/4	40	1/4	180	1/4	343	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	184	1/2	347	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	187	3/4	350	3/4	486	3/4		3/4		3/4		3/4		3/4		3/4	
7	47	7	190	7	353	7	488	7		7		7		7		7		7	
1/4	49	1/4	194	1/4	356	1/4	490	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	52	1/2	197	1/2	360	1/2	492	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	201	3/4	363	3/4	494	3/4		3/4		3/4		3/4		3/4		3/4	
8	57	8	204	8	366	8	496	8		8		8		8		8		8	
1/4	59	1/4	207	1/4	369	1/4	498	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	211	1/2	373	1/2	500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	214	3/4	376	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	217	9	379	9	504	9		9		9		9		9		9	
1/4	70	1/4	221	1/4	382	1/4	505	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	73	1/2	224	1/2	385	1/2	507	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	228	3/4	388	3/4	508	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	231	10	392	10	510	10		10		10		10		10		10	
1/4	81	1/4	235	1/4	395	1/4	511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	84	1/2	238	1/2	398	1/2	512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	87	3/4	241	3/4	401	3/4	513	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	245	11	404	11	514	11		11		11		11		11		11	
1/4	92	1/4	248	1/4	407	1/4	515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	252	1/2	410	1/2	516	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	255	3/4	413	3/4	516	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: 12/02/2021 JS
CALCULATED: 12/03/2021 CL
PRINTED: 12/03/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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