



# BARGE "KIRBY 29137"

## 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	00-1/4	- 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
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	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 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

(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"

January 10, 2024

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29137"

## 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	4,950.00	0	4,616.14	0	4,276.82	0	3,921.02	0	3,549.35	0	3,173.09	0	2,795.31
1/4		1/4		1/4		1/4	4,944.62	1/4	4,609.25	1/4	4,269.58	1/4	3,913.44	1/4	3,541.52	1/4	3,165.22	1/4	2,787.44
1/2		1/2		1/2		1/2	4,937.95	1/2	4,602.33	1/2	4,262.32	1/2	3,905.83	1/2	3,533.68	1/2	3,157.35	1/2	2,779.57
3/4		3/4		3/4		3/4	4,931.27	3/4	4,595.41	3/4	4,255.06	3/4	3,898.22	3/4	3,525.84	3/4	3,149.48	3/4	2,771.69
1		1		1		1	4,924.60	1	4,588.50	1	4,247.80	1	3,890.61	1	3,518.01	1	3,141.61	1	2,763.82
1/4		1/4		1/4		1/4	4,917.93	1/4	4,581.58	1/4	4,240.54	1/4	3,883.00	1/4	3,510.17	1/4	3,133.74	1/4	2,755.95
1/2		1/2		1/2		1/2	4,910.32	1/2	4,574.64	1/2	4,233.25	1/2	3,875.37	1/2	3,502.34	1/2	3,125.87	1/2	2,748.08
3/4		3/4		3/4		3/4	4,902.71	3/4	4,567.69	3/4	4,225.96	3/4	3,867.74	3/4	3,494.50	3/4	3,118.00	3/4	2,740.21
2		2		2		2	4,895.11	2	4,560.74	2	4,218.67	2	3,860.10	2	3,486.67	2	3,110.13	2	2,732.34
1/4		1/4		1/4		1/4	4,887.50	1/4	4,553.80	1/4	4,211.38	1/4	3,852.47	1/4	3,478.83	1/4	3,102.26	1/4	2,724.47
1/2		1/2		1/2		1/2	4,879.67	1/2	4,546.82	1/2	4,204.06	1/2	3,844.81	1/2	3,470.99	1/2	3,094.39	1/2	2,716.60
3/4		3/4		3/4		3/4	4,871.83	3/4	4,539.85	3/4	4,196.75	3/4	3,837.15	3/4	3,463.16	3/4	3,086.51	3/4	2,708.73
3		3		3		3	4,864.00	3	4,532.87	3	4,189.43	3	3,829.48	3	3,455.32	3	3,078.64	3	2,700.86
1/4		1/4		1/4		1/4	4,856.16	1/4	4,525.90	1/4	4,182.11	1/4	3,821.82	1/4	3,447.49	1/4	3,070.77	1/4	2,692.99
1/2		1/2		1/2		1/2	4,848.76	1/2	4,518.90	1/2	4,174.76	1/2	3,814.13	1/2	3,439.65	1/2	3,062.90	1/2	2,685.12
3/4		3/4		3/4		3/4	4,841.35	3/4	4,511.89	3/4	4,167.42	3/4	3,806.44	3/4	3,431.82	3/4	3,055.03	3/4	2,677.25
4		4		4		4	4,833.95	4	4,504.89	4	4,160.07	4	3,798.75	4	3,423.98	4	3,047.16	4	2,669.38
1/4		1/4		1/4		1/4	4,826.55	1/4	4,497.88	1/4	4,152.72	1/4	3,791.06	1/4	3,416.15	1/4	3,039.29	1/4	2,661.51
1/2		1/2		1/2		1/2	4,819.86	1/2	4,490.85	1/2	4,145.35	1/2	3,783.34	1/2	3,408.31	1/2	3,031.42	1/2	2,653.64
3/4		3/4		3/4		3/4	4,813.17	3/4	4,483.82	3/4	4,137.97	3/4	3,775.62	3/4	3,400.47	3/4	3,023.55	3/4	2,645.77
5		5		5		5	4,806.48	5	4,476.79	5	4,130.59	5	3,767.90	5	3,392.64	5	3,015.68	5	2,637.90
1/4		1/4		1/4		1/4	4,799.79	1/4	4,469.75	1/4	4,123.22	1/4	3,760.18	1/4	3,384.80	1/4	3,007.81	1/4	2,630.03
1/2		1/2		1/2		1/2	4,793.07	1/2	4,462.69	1/2	4,115.81	1/2	3,752.43	1/2	3,376.97	1/2	2,999.94	1/2	2,622.16
3/4		3/4		3/4		3/4	4,786.36	3/4	4,455.63	3/4	4,108.41	3/4	3,744.68	3/4	3,369.13	3/4	2,992.07	3/4	2,614.28
6		6		6		6	4,779.64	6	4,448.57	6	4,101.00	6	3,736.94	6	3,361.30	6	2,984.20	6	2,606.41
1/4		1/4		1/4		1/4	4,772.92	1/4	4,441.51	1/4	4,093.60	1/4	3,729.19	1/4	3,353.46	1/4	2,976.33	1/4	2,598.54
1/2		1/2		1/2		1/2	4,766.17	1/2	4,434.42	1/2	4,086.16	1/2	3,721.41	1/2	3,345.63	1/2	2,968.46	1/2	2,590.67
3/4		3/4		3/4		3/4	4,759.42	3/4	4,427.33	3/4	4,078.73	3/4	3,713.63	3/4	3,337.79	3/4	2,960.59	3/4	2,582.80
7		7		7		7	4,752.68	7	4,420.24	7	4,071.30	7	3,705.86	7	3,329.95	7	2,952.72	7	2,574.93
1/4		1/4		1/4		1/4	4,745.93	1/4	4,413.15	1/4	4,063.86	1/4	3,698.08	1/4	3,322.12	1/4	2,944.85	1/4	2,567.06
1/2		1/2		1/2		1/2	4,739.15	1/2	4,406.03	1/2	4,056.40	1/2	3,690.27	1/2	3,314.28	1/2	2,936.98	1/2	2,559.19
3/4		3/4		3/4		3/4	4,732.37	3/4	4,398.91	3/4	4,048.94	3/4	3,682.47	3/4	3,306.45	3/4	2,929.10	3/4	2,551.32
8		8		8		8	4,725.60	8	4,391.79	8	4,041.47	8	3,674.66	8	3,298.61	8	2,921.23	8	2,543.45
1/4		1/4		1/4		1/4	4,718.82	1/4	4,384.67	1/4	4,034.01	1/4	3,666.85	1/4	3,290.78	1/4	2,913.36	1/4	2,535.58
1/2		1/2		1/2		1/2	4,712.02	1/2	4,377.52	1/2	4,026.52	1/2	3,659.03	1/2	3,282.94	1/2	2,905.49	1/2	2,527.71
3/4		3/4		3/4		3/4	4,705.21	3/4	4,370.37	3/4	4,019.03	3/4	3,651.20	3/4	3,275.10	3/4	2,897.62	3/4	2,519.84
9		9		9		9	4,698.40	9	4,363.22	9	4,011.53	9	3,643.37	9	3,267.27	9	2,889.75	9	2,511.97
1/4		1/4		1/4		1/4	4,691.60	1/4	4,356.07	1/4	4,004.04	1/4	3,635.54	1/4	3,259.43	1/4	2,881.88	1/4	2,504.10
1/2		1/2		1/2		1/2	4,684.76	1/2	4,348.89	1/2	3,996.52	1/2	3,627.71	1/2	3,251.60	1/2	2,874.01	1/2	2,496.23
3/4		3/4		3/4		3/4	4,677.93	3/4	4,341.71	3/4	3,989.00	3/4	3,619.87	3/4	3,243.76	3/4	2,866.14	3/4	2,488.36
10		10		10		10	4,671.09	10	4,334.54	10	3,981.48	10	3,612.04	10	3,235.93	10	2,858.27	10	2,480.49
1/4		1/4		1/4		1/4	4,664.26	1/4	4,327.36	1/4	3,973.96	1/4	3,604.20	1/4	3,228.09	1/4	2,850.40	1/4	2,472.62
1/2		1/2		1/2		1/2	4,657.40	1/2	4,320.15	1/2	3,966.41	1/2	3,596.36	1/2	3,220.24	1/2	2,842.53	1/2	2,464.75
3/4		3/4		3/4		3/4	4,650.53	3/4	4,312.94	3/4	3,958.86	3/4	3,588.53	3/4	3,212.40	3/4	2,834.66	3/4	2,456.87
11		11		11		11	4,643.67	11	4,305.74	11	3,951.31	11	3,580.69	11	3,204.55	11	2,826.79	11	2,449.00
1/4		1/4		1/4		1/4	4,636.80	1/4	4,298.53	1/4	3,943.75	1/4	3,572.86	1/4	3,196.70	1/4	2,818.92	1/4	2,441.13
1/2		1/2		1/2		1/2	4,629.91	1/2	4,291.29	1/2	3,936.18	1/2	3,565.02	1/2	3,188.83	1/2	2,811.05	1/2	2,433.26
3/4		3/4		3/4		3/4	4,955.37	3/4	4,623.02	3/4	4,284.06	3/4	3,928.60	3/4	3,557.19	3/4	3,180.96	3/4	2,425.39

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "KIRBY 29137"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,417.52	0	2,039.74	0	1,661.95	0	1,285.56	0	908.55	0	530.81	0	182.71	0		0		0	
1/4	2,409.65	1/4	2,031.87	1/4	1,654.08	1/4	1,277.74	1/4	900.68	1/4	522.95	1/4	176.08	1/4		1/4		1/4	
1/2	2,401.78	1/2	2,024.00	1/2	1,646.21	1/2	1,269.92	1/2	892.81	1/2	515.14	1/2	169.57	1/2		1/2		1/2	
3/4	2,393.91	3/4	2,016.13	3/4	1,638.34	3/4	1,262.10	3/4	884.94	3/4	507.33	3/4	163.05	3/4		3/4		3/4	
1	2,386.04	1	2,008.26	1	1,630.47	1	1,254.28	1	877.07	1	499.51	1	156.54	1		1		1	
1/4	2,378.17	1/4	2,000.39	1/4	1,622.60	1/4	1,246.46	1/4	869.20	1/4	491.70	1/4	150.02	1/4		1/4		1/4	
1/2	2,370.30	1/2	1,992.52	1/2	1,614.73	1/2	1,238.63	1/2	861.33	1/2	483.98	1/2	143.62	1/2		1/2		1/2	
3/4	2,362.43	3/4	1,984.64	3/4	1,606.86	3/4	1,230.81	3/4	853.46	3/4	476.26	3/4	137.22	3/4		3/4		3/4	
2	2,354.56	2	1,976.77	2	1,598.99	2	1,222.99	2	845.59	2	468.54	2	130.83	2		2		2	
1/4	2,346.69	1/4	1,968.90	1/4	1,591.12	1/4	1,215.17	1/4	837.72	1/4	460.82	1/4	124.43	1/4		1/4		1/4	
1/2	2,338.82	1/2	1,961.03	1/2	1,583.25	1/2	1,207.35	1/2	829.85	1/2	453.21	1/2	118.15	1/2		1/2		1/2	
3/4	2,330.95	3/4	1,953.16	3/4	1,575.38	3/4	1,199.53	3/4	821.98	3/4	445.60	3/4	111.87	3/4		3/4		3/4	
3	2,323.08	3	1,945.29	3	1,567.51	3	1,191.71	3	814.11	3	437.99	3	105.59	3		3		3	
1/4	2,315.21	1/4	1,937.42	1/4	1,559.64	1/4	1,183.89	1/4	806.24	1/4	430.38	1/4	99.32	1/4		1/4		1/4	
1/2	2,307.34	1/2	1,929.55	1/2	1,551.78	1/2	1,176.05	1/2	798.37	1/2	422.88	1/2	93.17	1/2		1/2		1/2	
3/4	2,299.46	3/4	1,921.68	3/4	1,543.92	3/4	1,168.21	3/4	790.50	3/4	415.38	3/4	87.02	3/4		3/4		3/4	
4	2,291.59	4	1,913.81	4	1,536.06	4	1,160.37	4	782.63	4	407.88	4	80.87	4		4		4	
1/4	2,283.72	1/4	1,905.94	1/4	1,528.20	1/4	1,152.53	1/4	774.76	1/4	400.37	1/4	74.72	1/4		1/4		1/4	
1/2	2,275.85	1/2	1,898.07	1/2	1,520.36	1/2	1,144.66	1/2	766.89	1/2	392.98	1/2	68.71	1/2		1/2		1/2	
3/4	2,267.98	3/4	1,890.20	3/4	1,512.52	3/4	1,136.79	3/4	759.02	3/4	385.59	3/4	62.70	3/4		3/4		3/4	
5	2,260.11	5	1,882.33	5	1,504.68	5	1,128.92	5	751.15	5	378.20	5	56.70	5		5		5	
1/4	2,252.24	1/4	1,874.46	1/4	1,496.84	1/4	1,121.05	1/4	743.28	1/4	370.81	1/4	50.69	1/4		1/4		1/4	
1/2	2,244.37	1/2	1,866.59	1/2	1,489.00	1/2	1,113.18	1/2	735.41	1/2	363.52	1/2	45.27	1/2		1/2		1/2	
3/4	2,236.50	3/4	1,858.72	3/4	1,481.16	3/4	1,105.31	3/4	727.54	3/4	356.24	3/4	39.86	3/4		3/4		3/4	
6	2,228.63	6	1,850.85	6	1,473.33	6	1,097.44	6	719.67	6	348.96	6	34.45	6		6		6	
1/4	2,220.76	1/4	1,842.98	1/4	1,465.49	1/4	1,089.57	1/4	711.80	1/4	341.68	1/4	29.03	1/4		1/4		1/4	
1/2	2,212.89	1/2	1,835.11	1/2	1,457.66	1/2	1,081.70	1/2	703.93	1/2	334.50	1/2	25.07	1/2		1/2		1/2	
3/4	2,205.02	3/4	1,827.23	3/4	1,449.83	3/4	1,073.83	3/4	696.05	3/4	327.33	3/4	21.11	3/4		3/4		3/4	
7	2,197.15	7	1,819.36	7	1,442.01	7	1,065.96	7	688.18	7	320.16	7	17.14	7		7		7	
1/4	2,189.28	1/4	1,811.49	1/4	1,434.18	1/4	1,058.09	1/4	680.31	1/4	312.98	1/4	13.18	1/4		1/4		1/4	
1/2	2,181.41	1/2	1,803.62	1/2	1,426.35	1/2	1,050.22	1/2	672.44	1/2	305.92	1/2		1/2		1/2		1/2	
3/4	2,173.54	3/4	1,795.75	3/4	1,418.53	3/4	1,042.35	3/4	664.57	3/4	298.86	3/4		3/4		3/4		3/4	
8	2,165.67	8	1,787.88	8	1,410.70	8	1,034.48	8	656.70	8	291.79	8		8		8		8	
1/4	2,157.80	1/4	1,780.01	1/4	1,402.88	1/4	1,026.61	1/4	648.83	1/4	284.73	1/4		1/4		1/4		1/4	
1/2	2,149.93	1/2	1,772.14	1/2	1,395.06	1/2	1,018.74	1/2	640.96	1/2	277.77	1/2		1/2		1/2		1/2	
3/4	2,142.05	3/4	1,764.27	3/4	1,387.24	3/4	1,010.87	3/4	633.09	3/4	270.82	3/4		3/4		3/4		3/4	
9	2,134.18	9	1,756.40	9	1,379.41	9	1,003.00	9	625.22	9	263.87	9		9		9		9	
1/4	2,126.31	1/4	1,748.53	1/4	1,371.59	1/4	995.13	1/4	617.35	1/4	256.91	1/4		1/4		1/4		1/4	
1/2	2,118.44	1/2	1,740.66	1/2	1,363.77	1/2	987.26	1/2	609.48	1/2	250.07	1/2		1/2		1/2		1/2	
3/4	2,110.57	3/4	1,732.79	3/4	1,355.95	3/4	979.39	3/4	601.61	3/4	243.22	3/4		3/4		3/4		3/4	
10	2,102.70	10	1,724.92	10	1,348.13	10	971.52	10	593.74	10	236.38	10		10		10		10	
1/4	2,094.83	1/4	1,717.05	1/4	1,340.31	1/4	963.65	1/4	585.87	1/4	229.53	1/4		1/4		1/4		1/4	
1/2	2,086.96	1/2	1,709.18	1/2	1,332.49	1/2	955.77	1/2	578.00	1/2	222.79	1/2		1/2		1/2		1/2	
3/4	2,079.09	3/4	1,701.31	3/4	1,324.67	3/4	947.90	3/4	570.13	3/4	216.06	3/4		3/4		3/4		3/4	
11	2,071.22	11	1,693.44	11	1,316.85	11	940.03	11	562.26	11	209.32	11		11		11		11	
1/4	2,063.35	1/4	1,685.57	1/4	1,309.02	1/4	932.16	1/4	554.39	1/4	202.59	1/4		1/4		1/4		1/4	
1/2	2,055.48	1/2	1,677.70	1/2	1,301.20	1/2	924.29	1/2	546.53	1/2	195.96	1/2		1/2		1/2		1/2	
3/4	2,047.61	3/4	1,669.82	3/4	1,293.38	3/4	916.42	3/4	538.67	3/4	189.33	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/08/2014 CL  
CALCULATED: 12/08/2014 CL  
VERIFIED: 01/10/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024

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





# BARGE "KIRBY 29137"

## 1 STBD 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	4,947.21	0	4,613.66	0	4,274.65	0	3,919.18	0	3,547.86	0	3,171.93	0	2,794.50
1/4		1/4		1/4		1/4	4,941.84	1/4	4,606.78	1/4	4,267.42	1/4	3,911.61	1/4	3,540.03	1/4	3,164.07	1/4	2,786.63
1/2		1/2		1/2		1/2	4,935.17	1/2	4,599.87	1/2	4,260.17	1/2	3,904.01	1/2	3,532.20	1/2	3,156.20	1/2	2,778.77
3/4		3/4		3/4		3/4	4,928.50	3/4	4,592.96	3/4	4,252.92	3/4	3,896.40	3/4	3,524.37	3/4	3,148.34	3/4	2,770.91
1		1		1		1	4,921.84	1	4,586.05	1	4,245.66	1	3,888.80	1	3,516.54	1	3,140.48	1	2,763.04
1/4		1/4		1/4		1/4	4,915.17	1/4	4,579.14	1/4	4,238.41	1/4	3,881.20	1/4	3,508.71	1/4	3,132.61	1/4	2,755.18
1/2		1/2		1/2		1/2	4,907.57	1/2	4,572.20	1/2	4,231.13	1/2	3,873.57	1/2	3,500.89	1/2	3,124.75	1/2	2,747.32
3/4		3/4		3/4		3/4	4,899.97	3/4	4,565.26	3/4	4,223.84	3/4	3,865.95	3/4	3,493.06	3/4	3,116.89	3/4	2,739.45
2		2		2		2	4,892.37	2	4,558.32	2	4,216.56	2	3,858.32	2	3,485.23	2	3,109.02	2	2,731.59
1/4		1/4		1/4		1/4	4,884.77	1/4	4,551.38	1/4	4,209.28	1/4	3,850.69	1/4	3,477.40	1/4	3,101.16	1/4	2,723.73
1/2		1/2		1/2		1/2	4,876.95	1/2	4,544.41	1/2	4,201.97	1/2	3,843.04	1/2	3,469.57	1/2	3,093.30	1/2	2,715.86
3/4		3/4		3/4		3/4	4,869.12	3/4	4,537.44	3/4	4,194.65	3/4	3,835.39	3/4	3,461.74	3/4	3,085.43	3/4	2,708.00
3		3		3		3	4,861.29	3	4,530.47	3	4,187.34	3	3,827.73	3	3,453.92	3	3,077.57	3	2,700.14
1/4		1/4		1/4		1/4	4,853.46	1/4	4,523.50	1/4	4,180.03	1/4	3,820.08	1/4	3,446.09	1/4	3,069.71	1/4	2,692.27
1/2		1/2		1/2		1/2	4,846.07	1/2	4,516.51	1/2	4,172.69	1/2	3,812.39	1/2	3,438.26	1/2	3,061.85	1/2	2,684.41
3/4		3/4		3/4		3/4	4,838.67	3/4	4,509.51	3/4	4,165.35	3/4	3,804.71	3/4	3,430.43	3/4	3,053.98	3/4	2,676.55
4		4		4		4	4,831.27	4	4,502.51	4	4,158.01	4	3,797.03	4	3,422.60	4	3,046.12	4	2,668.69
1/4		1/4		1/4		1/4	4,823.88	1/4	4,495.51	1/4	4,150.67	1/4	3,789.34	1/4	3,414.77	1/4	3,038.26	1/4	2,660.82
1/2		1/2		1/2		1/2	4,817.19	1/2	4,488.49	1/2	4,143.30	1/2	3,781.63	1/2	3,406.95	1/2	3,030.39	1/2	2,652.96
3/4		3/4		3/4		3/4	4,810.51	3/4	4,481.46	3/4	4,135.93	3/4	3,773.92	3/4	3,399.12	3/4	3,022.53	3/4	2,645.10
5		5		5		5	4,803.83	5	4,474.44	5	4,128.56	5	3,766.21	5	3,391.29	5	3,014.67	5	2,637.23
1/4		1/4		1/4		1/4	4,797.14	1/4	4,467.41	1/4	4,121.19	1/4	3,758.49	1/4	3,383.46	1/4	3,006.80	1/4	2,629.37
1/2		1/2		1/2		1/2	4,790.43	1/2	4,460.36	1/2	4,113.79	1/2	3,750.75	1/2	3,375.63	1/2	2,998.94	1/2	2,621.51
3/4		3/4		3/4		3/4	4,783.72	3/4	4,453.30	3/4	4,106.40	3/4	3,743.01	3/4	3,367.80	3/4	2,991.08	3/4	2,613.64
6		6		6		6	4,777.01	6	4,446.25	6	4,099.00	6	3,735.27	6	3,359.97	6	2,983.21	6	2,605.78
1/4		1/4		1/4		1/4	4,770.30	1/4	4,439.19	1/4	4,091.60	1/4	3,727.53	1/4	3,352.15	1/4	2,975.35	1/4	2,597.92
1/2		1/2		1/2		1/2	4,763.56	1/2	4,432.11	1/2	4,084.17	1/2	3,719.76	1/2	3,344.32	1/2	2,967.49	1/2	2,590.05
3/4		3/4		3/4		3/4	4,756.81	3/4	4,425.02	3/4	4,076.75	3/4	3,711.99	3/4	3,336.49	3/4	2,959.62	3/4	2,582.19
7		7		7		7	4,750.07	7	4,417.94	7	4,069.32	7	3,704.22	7	3,328.66	7	2,951.76	7	2,574.33
1/4		1/4		1/4		1/4	4,743.33	1/4	4,410.85	1/4	4,061.89	1/4	3,696.45	1/4	3,320.83	1/4	2,943.90	1/4	2,566.46
1/2		1/2		1/2		1/2	4,736.56	1/2	4,403.74	1/2	4,054.44	1/2	3,688.65	1/2	3,313.00	1/2	2,936.03	1/2	2,558.60
3/4		3/4		3/4		3/4	4,729.79	3/4	4,396.63	3/4	4,046.98	3/4	3,680.85	3/4	3,305.18	3/4	2,928.17	3/4	2,550.74
8		8		8		8	4,723.02	8	4,389.51	8	4,039.53	8	3,673.05	8	3,297.35	8	2,920.31	8	2,542.87
1/4		1/4		1/4		1/4	4,716.25	1/4	4,382.40	1/4	4,032.07	1/4	3,665.25	1/4	3,289.52	1/4	2,912.44	1/4	2,535.01
1/2		1/2		1/2		1/2	4,709.45	1/2	4,375.26	1/2	4,024.58	1/2	3,657.43	1/2	3,281.69	1/2	2,904.58	1/2	2,527.15
3/4		3/4		3/4		3/4	4,702.65	3/4	4,368.12	3/4	4,017.10	3/4	3,649.61	3/4	3,273.86	3/4	2,896.72	3/4	2,519.28
9		9		9		9	4,695.85	9	4,360.97	9	4,009.61	9	3,641.79	9	3,266.03	9	2,888.85	9	2,511.42
1/4		1/4		1/4		1/4	4,689.05	1/4	4,353.83	1/4	4,002.13	1/4	3,633.97	1/4	3,258.21	1/4	2,880.99	1/4	2,503.56
1/2		1/2		1/2		1/2	4,682.22	1/2	4,346.66	1/2	3,994.61	1/2	3,626.14	1/2	3,250.38	1/2	2,873.13	1/2	2,495.69
3/4		3/4		3/4		3/4	4,675.39	3/4	4,339.49	3/4	3,987.10	3/4	3,618.31	3/4	3,242.55	3/4	2,865.27	3/4	2,487.83
10		10		10		10	4,668.57	10	4,332.32	10	3,979.59	10	3,610.48	10	3,234.72	10	2,857.40	10	2,479.97
1/4		1/4		1/4		1/4	4,661.74	1/4	4,325.15	1/4	3,972.07	1/4	3,602.65	1/4	3,226.89	1/4	2,849.54	1/4	2,472.11
1/2		1/2		1/2		1/2	4,654.88	1/2	4,317.95	1/2	3,964.53	1/2	3,594.83	1/2	3,219.05	1/2	2,841.68	1/2	2,464.24
3/4		3/4		3/4		3/4	4,648.02	3/4	4,310.75	3/4	3,956.98	3/4	3,587.00	3/4	3,211.21	3/4	2,833.81	3/4	2,456.38
11		11		11		11	4,641.16	11	4,303.55	11	3,949.44	11	3,579.17	11	3,203.36	11	2,825.95	11	2,448.52
1/4		1/4		1/4		1/4	4,634.30	1/4	4,296.35	1/4	3,941.90	1/4	3,571.34	1/4	3,195.52	1/4	2,818.09	1/4	2,440.65
1/2		1/2		1/2		1/2	4,627.42	1/2	4,289.12	1/2	3,934.32	1/2	3,563.51	1/2	3,187.66	1/2	2,810.22	1/2	2,432.79
3/4		3/4		3/4		3/4	4,952.58	3/4	4,620.54	3/4	4,281.88	3/4	3,926.75	3/4	3,555.68	3/4	3,179.79	3/4	2,802.36

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" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29137"

**1 STBD  
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 16'-07 1/4"**

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/08/2014 CL  
CALCULATED: 12/08/2014 CL  
VERIFIED: 01/10/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024





# BARGE "KIRBY 29137"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,766.13	0	4,449.09	0	4,125.62	0	3,787.03	0	3,433.80	0	3,076.13	0	2,717.05
1/4		1/4		1/4		1/4	4,761.02	1/4	4,442.51	1/4	4,118.72	1/4	3,779.81	1/4	3,426.35	1/4	3,068.65	1/4	2,709.57
1/2		1/2		1/2		1/2	4,755.90	1/2	4,435.93	1/2	4,111.82	1/2	3,772.60	1/2	3,418.90	1/2	3,061.17	1/2	2,702.09
3/4		3/4		3/4		3/4	4,749.56	3/4	4,429.33	3/4	4,104.90	3/4	3,765.36	3/4	3,411.45	3/4	3,053.69	3/4	2,694.61
1		1		1		1	4,743.22	1	4,422.72	1	4,097.98	1	3,758.12	1	3,404.00	1	3,046.21	1	2,687.13
1/4		1/4		1/4		1/4	4,736.88	1/4	4,416.12	1/4	4,091.06	1/4	3,750.88	1/4	3,396.56	1/4	3,038.73	1/4	2,679.65
1/2		1/2		1/2		1/2	4,730.53	1/2	4,409.51	1/2	4,084.14	1/2	3,743.64	1/2	3,389.11	1/2	3,031.25	1/2	2,672.17
3/4		3/4		3/4		3/4	4,723.31	3/4	4,402.88	3/4	4,077.19	3/4	3,736.37	3/4	3,381.66	3/4	3,023.77	3/4	2,664.69
2		2		2		2	4,716.08	2	4,396.24	2	4,070.24	2	3,729.11	2	3,374.21	2	3,016.29	2	2,657.20
1/4		1/4		1/4		1/4	4,708.85	1/4	4,389.61	1/4	4,063.30	1/4	3,721.85	1/4	3,366.76	1/4	3,008.81	1/4	2,649.72
1/2		1/2		1/2		1/2	4,701.62	1/2	4,382.98	1/2	4,056.35	1/2	3,714.58	1/2	3,359.31	1/2	3,001.33	1/2	2,642.24
3/4		3/4		3/4		3/4	4,694.17	3/4	4,376.32	3/4	4,049.37	3/4	3,707.29	3/4	3,351.86	3/4	2,993.84	3/4	2,634.76
3		3		3		3	4,686.72	3	4,369.66	3	4,042.40	3	3,700.01	3	3,344.41	3	2,986.36	3	2,627.28
1/4		1/4		1/4		1/4	4,679.27	1/4	4,363.00	1/4	4,035.43	1/4	3,692.72	1/4	3,336.97	1/4	2,978.88	1/4	2,619.80
1/2		1/2		1/2		1/2	4,671.82	1/2	4,356.34	1/2	4,028.45	1/2	3,685.43	1/2	3,329.52	1/2	2,971.40	1/2	2,612.32
3/4		3/4		3/4		3/4	4,664.77	3/4	4,349.66	3/4	4,021.45	3/4	3,678.11	3/4	3,322.07	3/4	2,963.92	3/4	2,604.84
4		4		4		4	4,657.72	4	4,342.97	4	4,014.45	4	3,670.80	4	3,314.62	4	2,956.44	4	2,597.36
1/4		1/4		1/4		1/4	4,650.67	1/4	4,336.29	1/4	4,007.45	1/4	3,663.48	1/4	3,307.17	1/4	2,948.96	1/4	2,589.88
1/2		1/2		1/2		1/2	4,643.62	1/2	4,329.60	1/2	4,000.45	1/2	3,656.16	1/2	3,299.72	1/2	2,941.48	1/2	2,582.40
3/4		3/4		3/4		3/4	4,637.22	3/4	4,322.89	3/4	3,993.42	3/4	3,648.82	3/4	3,292.27	3/4	2,934.00	3/4	2,574.91
5		5		5		5	4,630.82	5	4,316.18	5	3,986.40	5	3,641.48	5	3,284.82	5	2,926.52	5	2,567.43
1/4		1/4		1/4		1/4	4,624.43	1/4	4,309.47	1/4	3,979.37	1/4	3,634.14	1/4	3,277.38	1/4	2,919.04	1/4	2,559.95
1/2		1/2		1/2		1/2	4,618.03	1/2	4,302.75	1/2	3,972.34	1/2	3,626.80	1/2	3,269.93	1/2	2,911.56	1/2	2,552.47
3/4		3/4		3/4		3/4	4,611.61	3/4	4,296.01	3/4	3,965.29	3/4	3,619.43	3/4	3,262.48	3/4	2,904.07	3/4	2,544.99
6		6		6		6	4,605.18	6	4,289.28	6	3,958.23	6	3,612.06	6	3,255.03	6	2,896.59	6	2,537.51
1/4		1/4		1/4		1/4	4,598.76	1/4	4,282.54	1/4	3,951.18	1/4	3,604.69	1/4	3,247.58	1/4	2,889.11	1/4	2,530.03
1/2		1/2		1/2		1/2	4,592.34	1/2	4,275.80	1/2	3,944.13	1/2	3,597.32	1/2	3,240.13	1/2	2,881.63	1/2	2,522.55
3/4		3/4		3/4		3/4	4,585.88	3/4	4,269.03	3/4	3,937.05	3/4	3,589.92	3/4	3,232.68	3/4	2,874.15	3/4	2,515.07
7		7		7		7	4,579.43	7	4,262.27	7	3,929.97	7	3,582.53	7	3,225.23	7	2,866.67	7	2,507.59
1/4		1/4		1/4		1/4	4,572.98	1/4	4,255.50	1/4	3,922.89	1/4	3,575.13	1/4	3,217.78	1/4	2,859.19	1/4	2,500.11
1/2		1/2		1/2		1/2	4,566.53	1/2	4,248.74	1/2	3,915.81	1/2	3,567.74	1/2	3,210.34	1/2	2,851.71	1/2	2,492.62
3/4		3/4		3/4		3/4	4,560.05	3/4	4,241.95	3/4	3,908.70	3/4	3,560.32	3/4	3,202.89	3/4	2,844.23	3/4	2,485.14
8		8		8		8	4,553.58	8	4,235.15	8	3,901.59	8	3,552.90	8	3,195.44	8	2,836.75	8	2,477.66
1/4		1/4		1/4		1/4	4,547.10	1/4	4,228.36	1/4	3,894.49	1/4	3,545.47	1/4	3,187.99	1/4	2,829.27	1/4	2,470.18
1/2		1/2		1/2		1/2	4,540.62	1/2	4,221.57	1/2	3,887.38	1/2	3,538.05	1/2	3,180.54	1/2	2,821.78	1/2	2,462.70
3/4		3/4		3/4		3/4	4,534.12	3/4	4,214.75	3/4	3,880.25	3/4	3,530.61	3/4	3,173.09	3/4	2,814.30	3/4	2,455.22
9		9		9		9	4,527.61	9	4,207.93	9	3,873.11	9	3,523.17	9	3,165.64	9	2,806.82	9	2,447.74
1/4		1/4		1/4		1/4	4,521.11	1/4	4,201.11	1/4	3,865.98	1/4	3,515.73	1/4	3,158.19	1/4	2,799.34	1/4	2,440.26
1/2		1/2		1/2		1/2	4,514.61	1/2	4,194.29	1/2	3,858.84	1/2	3,508.29	1/2	3,150.75	1/2	2,791.86	1/2	2,432.78
3/4		3/4		3/4		3/4	4,508.08	3/4	4,187.45	3/4	3,851.68	3/4	3,500.84	3/4	3,143.30	3/4	2,784.38	3/4	2,425.30
10		10		10		10	4,501.55	10	4,180.60	10	3,844.52	10	3,493.39	10	3,135.85	10	2,776.90	10	2,417.82
1/4		1/4		1/4		1/4	4,495.01	1/4	4,173.76	1/4	3,837.36	1/4	3,485.94	1/4	3,128.40	1/4	2,769.42	1/4	2,410.33
1/2		1/2		1/2		1/2	4,488.48	1/2	4,166.91	1/2	3,830.20	1/2	3,478.49	1/2	3,120.95	1/2	2,761.94	1/2	2,402.85
3/4		3/4		3/4		3/4	4,481.93	3/4	4,160.04	3/4	3,823.02	3/4	3,471.04	3/4	3,113.49	3/4	2,754.46	3/4	2,395.37
11		11		11		11	4,475.37	11	4,153.17	11	3,815.83	11	3,463.60	11	3,106.02	11	2,746.98	11	2,387.89
1/4		1/4		1/4		1/4	4,468.81	1/4	4,146.30	1/4	3,808.64	1/4	3,456.15	1/4	3,098.56	1/4	2,739.49	1/4	2,380.41
1/2		1/2		1/2		1/2	4,462.25	1/2	4,139.42	1/2	3,801.45	1/2	3,448.70	1/2	3,091.10	1/2	2,732.01	1/2	2,372.93
3/4		3/4		3/4		3/4	4,455.67	3/4	4,132.52	3/4	3,794.24	3/4	3,441.25	3/4	3,083.62	3/4	2,724.53	3/4	2,365.45

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29137"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,357.97	0	1,998.89	0	1,639.80	0	1,289.63	0	944.77	0	587.06	0	227.99	0		0		0	
1/4	2,350.49	1/4	1,991.40	1/4	1,632.32	1/4	1,282.43	1/4	937.60	1/4	579.58	1/4	220.51	1/4		1/4		1/4	
1/2	2,343.01	1/2	1,983.92	1/2	1,624.84	1/2	1,275.23	1/2	930.42	1/2	572.10	1/2	213.02	1/2		1/2		1/2	
3/4	2,335.53	3/4	1,976.44	3/4	1,617.36	3/4	1,268.04	3/4	923.13	3/4	564.62	3/4	205.55	3/4		3/4		3/4	
1	2,328.04	1	1,968.96	1	1,609.88	1	1,260.84	1	915.83	1	557.14	1	198.07	1		1		1	
1/4	2,320.56	1/4	1,961.48	1/4	1,602.40	1/4	1,253.64	1/4	908.54	1/4	549.66	1/4	190.59	1/4		1/4		1/4	
1/2	2,313.08	1/2	1,954.00	1/2	1,594.92	1/2	1,246.44	1/2	901.25	1/2	542.17	1/2	183.11	1/2		1/2		1/2	
3/4	2,305.60	3/4	1,946.52	3/4	1,587.44	3/4	1,239.24	3/4	893.77	3/4	534.69	3/4	175.64	3/4		3/4		3/4	
2	2,298.12	2	1,939.04	2	1,579.95	2	1,232.05	2	886.29	2	527.21	2	168.17	2		2		2	
1/4	2,290.64	1/4	1,931.56	1/4	1,572.47	1/4	1,224.85	1/4	878.81	1/4	519.73	1/4	160.69	1/4		1/4		1/4	
1/2	2,283.16	1/2	1,924.08	1/2	1,564.99	1/2	1,217.65	1/2	871.33	1/2	512.25	1/2	153.22	1/2		1/2		1/2	
3/4	2,275.68	3/4	1,916.60	3/4	1,557.51	3/4	1,210.46	3/4	863.85	3/4	504.77	3/4	145.76	3/4		3/4		3/4	
3	2,268.20	3	1,909.11	3	1,550.03	3	1,203.26	3	856.36	3	497.29	3	138.30	3		3		3	
1/4	2,260.72	1/4	1,901.63	1/4	1,542.55	1/4	1,196.07	1/4	848.88	1/4	489.81	1/4	130.84	1/4		1/4		1/4	
1/2	2,253.24	1/2	1,894.15	1/2	1,535.07	1/2	1,188.88	1/2	841.40	1/2	482.33	1/2	123.38	1/2		1/2		1/2	
3/4	2,245.75	3/4	1,886.67	3/4	1,527.59	3/4	1,181.69	3/4	833.92	3/4	474.85	3/4	115.93	3/4		3/4		3/4	
4	2,238.27	4	1,879.19	4	1,520.32	4	1,174.51	4	826.44	4	467.37	4	108.49	4		4		4	
1/4	2,230.79	1/4	1,871.71	1/4	1,512.94	1/4	1,167.32	1/4	818.96	1/4	459.89	1/4	101.05	1/4		1/4		1/4	
1/2	2,223.31	1/2	1,864.23	1/2	1,505.57	1/2	1,160.14	1/2	811.48	1/2	452.41	1/2	93.61	1/2		1/2		1/2	
3/4	2,215.83	3/4	1,856.75	3/4	1,498.37	3/4	1,152.95	3/4	804.00	3/4	444.93	3/4	86.19	3/4		3/4		3/4	
5	2,208.35	5	1,849.27	5	1,491.17	5	1,145.77	5	796.52	5	437.45	5	78.78	5		5		5	
1/4	2,200.87	1/4	1,841.79	1/4	1,483.98	1/4	1,138.59	1/4	789.04	1/4	429.96	1/4	71.37	1/4		1/4		1/4	
1/2	2,193.39	1/2	1,834.31	1/2	1,476.78	1/2	1,131.40	1/2	781.56	1/2	422.48	1/2	63.96	1/2		1/2		1/2	
3/4	2,185.91	3/4	1,826.82	3/4	1,469.58	3/4	1,124.23	3/4	774.08	3/4	415.00	3/4	57.01	3/4		3/4		3/4	
6	2,178.43	6	1,819.34	6	1,462.38	6	1,117.05	6	766.60	6	407.52	6	50.05	6		6		6	
1/4	2,170.95	1/4	1,811.86	1/4	1,455.18	1/4	1,109.87	1/4	759.12	1/4	400.04	1/4	43.10	1/4		1/4		1/4	
1/2	2,163.47	1/2	1,804.38	1/2	1,447.99	1/2	1,102.69	1/2	751.63	1/2	392.56	1/2	36.15	1/2		1/2		1/2	
3/4	2,155.98	3/4	1,796.90	3/4	1,440.79	3/4	1,095.51	3/4	744.15	3/4	385.08	3/4	30.85	3/4		3/4		3/4	
7	2,148.50	7	1,789.42	7	1,433.59	7	1,088.34	7	736.67	7	377.60	7	25.56	7		7		7	
1/4	2,141.02	1/4	1,781.94	1/4	1,426.39	1/4	1,081.16	1/4	729.19	1/4	370.12	1/4	20.26	1/4		1/4		1/4	
1/2	2,133.54	1/2	1,774.46	1/2	1,419.19	1/2	1,073.98	1/2	721.71	1/2	362.64	1/2	14.96	1/2		1/2		1/2	
3/4	2,126.06	3/4	1,766.98	3/4	1,412.00	3/4	1,066.80	3/4	714.23	3/4	355.16	3/4		3/4		3/4		3/4	
8	2,118.58	8	1,759.50	8	1,404.80	8	1,059.62	8	706.75	8	347.68	8		8		8		8	
1/4	2,111.10	1/4	1,752.02	1/4	1,397.60	1/4	1,052.45	1/4	699.27	1/4	340.20	1/4		1/4		1/4		1/4	
1/2	2,103.62	1/2	1,744.53	1/2	1,390.40	1/2	1,045.27	1/2	691.79	1/2	332.72	1/2		1/2		1/2		1/2	
3/4	2,096.14	3/4	1,737.05	3/4	1,383.20	3/4	1,038.09	3/4	684.31	3/4	325.23	3/4		3/4		3/4		3/4	
9	2,088.66	9	1,729.57	9	1,376.01	9	1,030.91	9	676.83	9	317.75	9		9		9		9	
1/4	2,081.18	1/4	1,722.09	1/4	1,368.81	1/4	1,023.73	1/4	669.35	1/4	310.27	1/4		1/4		1/4		1/4	
1/2	2,073.69	1/2	1,714.61	1/2	1,361.61	1/2	1,016.55	1/2	661.87	1/2	302.79	1/2		1/2		1/2		1/2	
3/4	2,066.21	3/4	1,707.13	3/4	1,354.41	3/4	1,009.38	3/4	654.39	3/4	295.31	3/4		3/4		3/4		3/4	
10	2,058.73	10	1,699.65	10	1,347.21	10	1,002.20	10	646.90	10	287.83	10		10		10		10	
1/4	2,051.25	1/4	1,692.17	1/4	1,340.02	1/4	995.02	1/4	639.42	1/4	280.35	1/4		1/4		1/4		1/4	
1/2	2,043.77	1/2	1,684.69	1/2	1,332.82	1/2	987.84	1/2	631.94	1/2	272.87	1/2		1/2		1/2		1/2	
3/4	2,036.29	3/4	1,677.21	3/4	1,325.62	3/4	980.66	3/4	624.46	3/4	265.39	3/4		3/4		3/4		3/4	
11	2,028.81	11	1,669.73	11	1,318.42	11	973.49	11	616.98	11	257.91	11		11		11		11	
1/4	2,021.33	1/4	1,662.24	1/4	1,311.22	1/4	966.31	1/4	609.50	1/4	250.43	1/4		1/4		1/4		1/4	
1/2	2,013.85	1/2	1,654.76	1/2	1,304.03	1/2	959.13	1/2	602.02	1/2	242.95	1/2		1/2		1/2		1/2	
3/4	2,006.37	3/4	1,647.28	3/4	1,296.83	3/4	951.95	3/4	594.54	3/4	235.47	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/08/2014 CL  
CALCULATED: 12/08/2014 CL  
VERIFIED: 01/10/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024





# BARGE "KIRBY 29137"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,793.72	0	4,476.45	0	4,152.75	0	3,813.91	0	3,460.42	0	3,102.52	0	2,743.17
1/4		1/4		1/4		1/4	4,788.60	1/4	4,469.87	1/4	4,145.85	1/4	3,806.69	1/4	3,452.97	1/4	3,095.03	1/4	2,735.68
1/2		1/2		1/2		1/2	4,783.49	1/2	4,463.28	1/2	4,138.94	1/2	3,799.47	1/2	3,445.52	1/2	3,087.54	1/2	2,728.20
3/4		3/4		3/4		3/4	4,777.14	3/4	4,456.67	3/4	4,132.01	3/4	3,792.22	3/4	3,438.06	3/4	3,080.06	3/4	2,720.71
1		1		1		1	4,770.79	1	4,450.06	1	4,125.09	1	3,784.98	1	3,430.61	1	3,072.57	1	2,713.22
1/4		1/4		1/4		1/4	4,764.45	1/4	4,443.45	1/4	4,118.16	1/4	3,777.73	1/4	3,423.15	1/4	3,065.08	1/4	2,705.74
1/2		1/2		1/2		1/2	4,758.10	1/2	4,436.84	1/2	4,111.23	1/2	3,770.49	1/2	3,415.70	1/2	3,057.60	1/2	2,698.25
3/4		3/4		3/4		3/4	4,750.87	3/4	4,430.20	3/4	4,104.28	3/4	3,763.22	3/4	3,408.24	3/4	3,050.11	3/4	2,690.76
2		2		2		2	4,743.63	2	4,423.57	2	4,097.33	2	3,755.95	2	3,400.79	2	3,042.63	2	2,683.28
1/4		1/4		1/4		1/4	4,736.40	1/4	4,416.93	1/4	4,090.38	1/4	3,748.68	1/4	3,393.34	1/4	3,035.14	1/4	2,675.79
1/2		1/2		1/2		1/2	4,729.16	1/2	4,410.29	1/2	4,083.43	1/2	3,741.41	1/2	3,385.88	1/2	3,027.65	1/2	2,668.31
3/4		3/4		3/4		3/4	4,721.71	3/4	4,403.63	3/4	4,076.45	3/4	3,734.12	3/4	3,378.43	3/4	3,020.17	3/4	2,660.82
3		3		3		3	4,714.26	3	4,396.96	3	4,069.47	3	3,726.82	3	3,370.97	3	3,012.68	3	2,653.33
1/4		1/4		1/4		1/4	4,706.80	1/4	4,390.30	1/4	4,062.49	1/4	3,719.53	1/4	3,363.52	1/4	3,005.19	1/4	2,645.85
1/2		1/2		1/2		1/2	4,699.35	1/2	4,383.64	1/2	4,055.51	1/2	3,712.24	1/2	3,356.07	1/2	2,997.71	1/2	2,638.36
3/4		3/4		3/4		3/4	4,692.29	3/4	4,376.95	3/4	4,048.50	3/4	3,704.91	3/4	3,348.61	3/4	2,990.22	3/4	2,630.87
4		4		4		4	4,685.23	4	4,370.26	4	4,041.50	4	3,697.59	4	3,341.16	4	2,982.73	4	2,623.39
1/4		1/4		1/4		1/4	4,678.18	1/4	4,363.57	1/4	4,034.49	1/4	3,690.27	1/4	3,333.70	1/4	2,975.25	1/4	2,615.90
1/2		1/2		1/2		1/2	4,671.12	1/2	4,356.87	1/2	4,027.49	1/2	3,682.95	1/2	3,326.25	1/2	2,967.76	1/2	2,608.41
3/4		3/4		3/4		3/4	4,664.72	3/4	4,350.16	3/4	4,020.45	3/4	3,675.60	3/4	3,318.79	3/4	2,960.28	3/4	2,600.93
5		5		5		5	4,658.32	5	4,343.44	5	4,013.42	5	3,668.25	5	3,311.34	5	2,952.79	5	2,593.44
1/4		1/4		1/4		1/4	4,651.92	1/4	4,336.73	1/4	4,006.39	1/4	3,660.91	1/4	3,303.89	1/4	2,945.30	1/4	2,585.96
1/2		1/2		1/2		1/2	4,645.51	1/2	4,330.01	1/2	3,999.36	1/2	3,653.56	1/2	3,296.43	1/2	2,937.82	1/2	2,578.47
3/4		3/4		3/4		3/4	4,639.09	3/4	4,323.26	3/4	3,992.30	3/4	3,646.19	3/4	3,288.98	3/4	2,930.33	3/4	2,570.98
6		6		6		6	4,632.66	6	4,316.52	6	3,985.24	6	3,638.81	6	3,281.52	6	2,922.84	6	2,563.50
1/4		1/4		1/4		1/4	4,626.23	1/4	4,309.78	1/4	3,978.18	1/4	3,631.44	1/4	3,274.07	1/4	2,915.36	1/4	2,556.01
1/2		1/2		1/2		1/2	4,619.80	1/2	4,303.03	1/2	3,971.12	1/2	3,624.06	1/2	3,266.62	1/2	2,907.87	1/2	2,548.52
3/4		3/4		3/4		3/4	4,613.34	3/4	4,296.26	3/4	3,964.04	3/4	3,616.66	3/4	3,259.16	3/4	2,900.38	3/4	2,541.04
7		7		7		7	4,606.89	7	4,289.49	7	3,956.95	7	3,609.26	7	3,251.71	7	2,892.90	7	2,533.55
1/4		1/4		1/4		1/4	4,600.43	1/4	4,282.72	1/4	3,949.87	1/4	3,601.86	1/4	3,244.25	1/4	2,885.41	1/4	2,526.06
1/2		1/2		1/2		1/2	4,593.98	1/2	4,275.95	1/2	3,942.78	1/2	3,594.46	1/2	3,236.80	1/2	2,877.92	1/2	2,518.58
3/4		3/4		3/4		3/4	4,587.50	3/4	4,269.16	3/4	3,935.67	3/4	3,587.03	3/4	3,229.34	3/4	2,870.44	3/4	2,511.09
8		8		8		8	4,581.01	8	4,262.36	8	3,928.56	8	3,579.61	8	3,221.89	8	2,862.95	8	2,503.60
1/4		1/4		1/4		1/4	4,574.53	1/4	4,255.56	1/4	3,921.44	1/4	3,572.18	1/4	3,214.44	1/4	2,855.47	1/4	2,496.12
1/2		1/2		1/2		1/2	4,568.05	1/2	4,248.76	1/2	3,914.33	1/2	3,564.75	1/2	3,206.98	1/2	2,847.98	1/2	2,488.63
3/4		3/4		3/4		3/4	4,561.54	3/4	4,241.94	3/4	3,907.19	3/4	3,557.30	3/4	3,199.53	3/4	2,840.49	3/4	2,481.15
9		9		9		9	4,555.03	9	4,235.12	9	3,900.05	9	3,549.86	9	3,192.07	9	2,833.01	9	2,473.66
1/4		1/4		1/4		1/4	4,548.52	1/4	4,228.29	1/4	3,892.92	1/4	3,542.41	1/4	3,184.62	1/4	2,825.52	1/4	2,466.17
1/2		1/2		1/2		1/2	4,542.01	1/2	4,221.47	1/2	3,885.78	1/2	3,534.97	1/2	3,177.16	1/2	2,818.03	1/2	2,458.69
3/4		3/4		3/4		3/4	4,535.48	3/4	4,214.62	3/4	3,878.61	3/4	3,527.51	3/4	3,169.71	3/4	2,810.55	3/4	2,451.20
10		10		10		10	4,528.94	10	4,207.77	10	3,871.45	10	3,520.06	10	3,162.26	10	2,803.06	10	2,443.71
1/4		1/4		1/4		1/4	4,522.41	1/4	4,200.92	1/4	3,864.28	1/4	3,512.60	1/4	3,154.80	1/4	2,795.57	1/4	2,436.23
1/2		1/2		1/2		1/2	4,515.87	1/2	4,194.07	1/2	3,857.12	1/2	3,505.15	1/2	3,147.35	1/2	2,788.09	1/2	2,428.74
3/4		3/4		3/4		3/4	4,509.31	3/4	4,187.19	3/4	3,849.92	3/4	3,497.70	3/4	3,139.88	3/4	2,780.60	3/4	2,421.25
11		11		11		11	4,502.75	11	4,180.31	11	3,842.73	11	3,490.24	11	3,132.42	11	2,773.12	11	2,413.77
1/4		1/4		1/4		1/4	4,496.19	1/4	4,173.44	1/4	3,835.54	1/4	3,482.79	1/4	3,124.95	1/4	2,765.63	1/4	2,406.28
1/2		1/2		1/2		1/2	4,489.62	1/2	4,166.56	1/2	3,828.34	1/2	3,475.33	1/2	3,117.49	1/2	2,758.14	1/2	2,398.80
3/4		3/4		3/4		3/4	4,483.04	3/4	4,159.66	3/4	3,821.13	3/4	3,467.88	3/4	3,110.00	3/4	2,750.66	3/4	2,391.31

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "KIRBY 29137"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,383.82	0	2,024.48	0	1,665.13	0	1,305.78	0	946.72	0	587.48	0	228.15	0		0		0	
1/4	2,376.34	1/4	2,016.99	1/4	1,657.64	1/4	1,298.29	1/4	939.25	1/4	580.00	1/4	220.67	1/4		1/4		1/4	
1/2	2,368.85	1/2	2,009.50	1/2	1,650.16	1/2	1,290.81	1/2	931.77	1/2	572.51	1/2	213.18	1/2		1/2		1/2	
3/4	2,361.36	3/4	2,002.02	3/4	1,642.67	3/4	1,283.32	3/4	924.30	3/4	565.03	3/4	205.70	3/4		3/4		3/4	
1	2,353.88	1	1,994.53	1	1,635.18	1	1,275.84	1	916.82	1	557.54	1	198.21	1		1		1	
1/4	2,346.39	1/4	1,987.04	1/4	1,627.70	1/4	1,268.35	1/4	909.35	1/4	550.05	1/4	190.73	1/4		1/4		1/4	
1/2	2,338.90	1/2	1,979.56	1/2	1,620.21	1/2	1,260.86	1/2	901.87	1/2	542.57	1/2	183.24	1/2		1/2		1/2	
3/4	2,331.42	3/4	1,972.07	3/4	1,612.72	3/4	1,253.38	3/4	894.39	3/4	535.08	3/4	175.77	3/4		3/4		3/4	
2	2,323.93	2	1,964.58	2	1,605.24	2	1,245.89	2	886.92	2	527.59	2	168.29	2		2		2	
1/4	2,316.44	1/4	1,957.10	1/4	1,597.75	1/4	1,238.40	1/4	879.44	1/4	520.11	1/4	160.81	1/4		1/4		1/4	
1/2	2,308.96	1/2	1,949.61	1/2	1,590.26	1/2	1,230.92	1/2	871.96	1/2	512.62	1/2	153.33	1/2		1/2		1/2	
3/4	2,301.47	3/4	1,942.12	3/4	1,582.78	3/4	1,223.43	3/4	864.47	3/4	505.14	3/4	145.87	3/4		3/4		3/4	
3	2,293.99	3	1,934.64	3	1,575.29	3	1,215.94	3	856.98	3	497.65	3	138.40	3		3		3	
1/4	2,286.50	1/4	1,927.15	1/4	1,567.80	1/4	1,208.46	1/4	849.50	1/4	490.16	1/4	130.93	1/4		1/4		1/4	
1/2	2,279.01	1/2	1,919.67	1/2	1,560.32	1/2	1,200.97	1/2	842.01	1/2	482.68	1/2	123.47	1/2		1/2		1/2	
3/4	2,271.53	3/4	1,912.18	3/4	1,552.83	3/4	1,193.48	3/4	834.53	3/4	475.19	3/4	116.02	3/4		3/4		3/4	
4	2,264.04	4	1,904.69	4	1,545.35	4	1,186.00	4	827.04	4	467.71	4	108.57	4		4		4	
1/4	2,256.55	1/4	1,897.21	1/4	1,537.86	1/4	1,178.51	1/4	819.55	1/4	460.22	1/4	101.12	1/4		1/4		1/4	
1/2	2,249.07	1/2	1,889.72	1/2	1,530.37	1/2	1,171.03	1/2	812.07	1/2	452.73	1/2	93.67	1/2		1/2		1/2	
3/4	2,241.58	3/4	1,882.23	3/4	1,522.89	3/4	1,163.54	3/4	804.58	3/4	445.25	3/4	86.26	3/4		3/4		3/4	
5	2,234.09	5	1,874.75	5	1,515.40	5	1,156.05	5	797.09	5	437.76	5	78.84	5		5		5	
1/4	2,226.61	1/4	1,867.26	1/4	1,507.91	1/4	1,148.57	1/4	789.61	1/4	430.28	1/4	71.42	1/4		1/4		1/4	
1/2	2,219.12	1/2	1,859.77	1/2	1,500.43	1/2	1,141.08	1/2	782.12	1/2	422.79	1/2	64.00	1/2		1/2		1/2	
3/4	2,211.64	3/4	1,852.29	3/4	1,492.94	3/4	1,133.60	3/4	774.64	3/4	415.30	3/4	57.05	3/4		3/4		3/4	
6	2,204.15	6	1,844.80	6	1,485.45	6	1,126.12	6	767.15	6	407.82	6	50.09	6		6		6	
1/4	2,196.66	1/4	1,837.32	1/4	1,477.97	1/4	1,118.63	1/4	759.66	1/4	400.33	1/4	43.13	1/4		1/4		1/4	
1/2	2,189.18	1/2	1,829.83	1/2	1,470.48	1/2	1,111.15	1/2	752.18	1/2	392.85	1/2	36.17	1/2		1/2		1/2	
3/4	2,181.69	3/4	1,822.34	3/4	1,463.00	3/4	1,103.68	3/4	744.69	3/4	385.36	3/4	30.87	3/4		3/4		3/4	
7	2,174.20	7	1,814.86	7	1,455.51	7	1,096.20	7	737.21	7	377.87	7	25.57	7		7		7	
1/4	2,166.72	1/4	1,807.37	1/4	1,448.02	1/4	1,088.73	1/4	729.72	1/4	370.39	1/4	20.27	1/4		1/4		1/4	
1/2	2,159.23	1/2	1,799.88	1/2	1,440.54	1/2	1,081.26	1/2	722.23	1/2	362.90	1/2	14.97	1/2		1/2		1/2	
3/4	2,151.74	3/4	1,792.40	3/4	1,433.05	3/4	1,073.78	3/4	714.75	3/4	355.41	3/4		3/4		3/4		3/4	
8	2,144.26	8	1,784.91	8	1,425.56	8	1,066.31	8	707.26	8	347.93	8		8		8		8	
1/4	2,136.77	1/4	1,777.42	1/4	1,418.08	1/4	1,058.83	1/4	699.78	1/4	340.44	1/4		1/4		1/4		1/4	
1/2	2,129.28	1/2	1,769.94	1/2	1,410.59	1/2	1,051.36	1/2	692.29	1/2	332.96	1/2		1/2		1/2		1/2	
3/4	2,121.80	3/4	1,762.45	3/4	1,403.10	3/4	1,043.88	3/4	684.80	3/4	325.47	3/4		3/4		3/4		3/4	
9	2,114.31	9	1,754.96	9	1,395.62	9	1,036.41	9	677.32	9	317.98	9		9		9		9	
1/4	2,106.83	1/4	1,747.48	1/4	1,388.13	1/4	1,028.94	1/4	669.83	1/4	310.50	1/4		1/4		1/4		1/4	
1/2	2,099.34	1/2	1,739.99	1/2	1,380.64	1/2	1,021.46	1/2	662.34	1/2	303.01	1/2		1/2		1/2		1/2	
3/4	2,091.85	3/4	1,732.51	3/4	1,373.16	3/4	1,013.99	3/4	654.86	3/4	295.53	3/4		3/4		3/4		3/4	
10	2,084.37	10	1,725.02	10	1,365.67	10	1,006.51	10	647.37	10	288.04	10		10		10		10	
1/4	2,076.88	1/4	1,717.53	1/4	1,358.19	1/4	999.04	1/4	639.89	1/4	280.55	1/4		1/4		1/4		1/4	
1/2	2,069.39	1/2	1,710.05	1/2	1,350.70	1/2	991.57	1/2	632.40	1/2	273.07	1/2		1/2		1/2		1/2	
3/4	2,061.91	3/4	1,702.56	3/4	1,343.21	3/4	984.09	3/4	624.91	3/4	265.58	3/4		3/4		3/4		3/4	
11	2,054.42	11	1,695.07	11	1,335.73	11	976.62	11	617.43	11	258.10	11		11		11		11	
1/4	2,046.93	1/4	1,687.59	1/4	1,328.24	1/4	969.14	1/4	609.94	1/4	250.61	1/4		1/4		1/4		1/4	
1/2	2,039.45	1/2	1,680.10	1/2	1,320.75	1/2	961.67	1/2	602.46	1/2	243.12	1/2		1/2		1/2		1/2	
3/4	2,031.96	3/4	1,672.61	3/4	1,313.27	3/4	954.19	3/4	594.97	3/4	235.64	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/08/2014 CL  
CALCULATED: 12/08/2014 CL  
VERIFIED: 01/10/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024



# BARGE "KIRBY 29137"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "KIRBY 29137"

## 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: 12/08/2014 CL  
CALCULATED: 12/08/2014 CL  
VERIFIED: 01/10/2023 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024

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



# BARGE "KIRBY 29137"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	4,373.06	0	4,130.44	0	3,882.55	0	3,622.67	0	3,351.18	0	2,993.67	0	2,636.15
1/4		1/4		1/4		1/4	4,368.89	1/4	4,125.39	1/4	3,877.25	1/4	3,617.11	1/4	3,343.74	1/4	2,986.22	1/4	2,628.70
1/2		1/2		1/2		1/2	4,364.72	1/2	4,120.35	1/2	3,871.95	1/2	3,611.56	1/2	3,336.29	1/2	2,978.77	1/2	2,621.25
3/4		3/4		3/4		3/4	4,360.54	3/4	4,115.30	3/4	3,866.65	3/4	3,606.01	3/4	3,328.84	3/4	2,971.32	3/4	2,613.80
1		1		1		1	4,356.37	1	4,110.25	1	3,861.35	1	3,600.45	1	3,321.39	1	2,963.87	1	2,606.35
1/4		1/4		1/4		1/4	4,350.99	1/4	4,105.18	1/4	3,856.03	1/4	3,594.88	1/4	3,313.94	1/4	2,956.42	1/4	2,598.91
1/2		1/2		1/2		1/2	4,345.62	1/2	4,100.11	1/2	3,850.71	1/2	3,589.31	1/2	3,306.49	1/2	2,948.98	1/2	2,591.46
3/4		3/4		3/4		3/4	4,340.24	3/4	4,095.04	3/4	3,845.39	3/4	3,583.74	3/4	3,299.05	3/4	2,941.53	3/4	2,584.01
2		2		2		2	4,334.86	2	4,089.97	2	3,840.07	2	3,578.17	2	3,291.60	2	2,934.08	2	2,576.56
1/4		1/4		1/4		1/4	4,329.14	1/4	4,084.88	1/4	3,834.73	1/4	3,572.58	1/4	3,284.15	1/4	2,926.63	1/4	2,569.11
1/2		1/2		1/2		1/2	4,323.42	1/2	4,079.79	1/2	3,829.39	1/2	3,566.99	1/2	3,276.70	1/2	2,919.18	1/2	2,561.66
3/4		3/4		3/4		3/4	4,317.69	3/4	4,074.70	3/4	3,824.05	3/4	3,561.40	3/4	3,269.25	3/4	2,911.73	3/4	2,554.22
3		3		3		3	4,311.97	3	4,069.61	3	3,818.71	3	3,555.82	3	3,261.80	3	2,904.29	3	2,546.77
1/4		1/4		1/4		1/4	4,306.24	1/4	4,064.50	1/4	3,813.35	1/4	3,550.20	1/4	3,254.36	1/4	2,896.84	1/4	2,539.32
1/2		1/2		1/2		1/2	4,300.52	1/2	4,059.39	1/2	3,807.99	1/2	3,544.59	1/2	3,246.91	1/2	2,889.39	1/2	2,531.87
3/4		3/4		3/4		3/4	4,294.79	3/4	4,054.27	3/4	3,802.63	3/4	3,538.98	3/4	3,239.46	3/4	2,881.94	3/4	2,524.42
4		4		4		4	4,289.07	4	4,049.16	4	3,797.27	4	3,533.37	4	3,232.01	4	2,874.49	4	2,516.97
1/4		1/4		1/4		1/4	4,284.18	1/4	4,044.03	1/4	3,791.88	1/4	3,527.73	1/4	3,224.56	1/4	2,867.04	1/4	2,509.53
1/2		1/2		1/2		1/2	4,279.30	1/2	4,038.90	1/2	3,786.50	1/2	3,522.10	1/2	3,217.11	1/2	2,859.60	1/2	2,502.08
3/4		3/4		3/4		3/4	4,274.42	3/4	4,033.77	3/4	3,781.12	3/4	3,516.47	3/4	3,209.67	3/4	2,852.15	3/4	2,494.63
5		5		5		5	4,269.53	5	4,028.63	5	3,775.73	5	3,510.84	5	3,202.22	5	2,844.70	5	2,487.18
1/4		1/4		1/4		1/4	4,264.63	1/4	4,023.48	1/4	3,770.33	1/4	3,505.19	1/4	3,194.77	1/4	2,837.25	1/4	2,479.73
1/2		1/2		1/2		1/2	4,259.73	1/2	4,018.32	1/2	3,764.93	1/2	3,499.53	1/2	3,187.32	1/2	2,829.80	1/2	2,472.28
3/4		3/4		3/4		3/4	4,254.82	3/4	4,013.17	3/4	3,759.52	3/4	3,493.88	3/4	3,179.87	3/4	2,822.35	3/4	2,464.84
6		6		6		6	4,249.92	6	4,008.02	6	3,754.12	6	3,488.22	6	3,172.42	6	2,814.91	6	2,457.39
1/4		1/4		1/4		1/4	4,244.99	1/4	4,002.84	1/4	3,748.70	1/4	3,482.55	1/4	3,164.98	1/4	2,807.46	1/4	2,449.94
1/2		1/2		1/2		1/2	4,240.07	1/2	3,997.67	1/2	3,743.27	1/2	3,476.88	1/2	3,157.53	1/2	2,800.01	1/2	2,442.49
3/4		3/4		3/4		3/4	4,235.14	3/4	3,992.49	3/4	3,737.85	3/4	3,471.20	3/4	3,150.08	3/4	2,792.56	3/4	2,435.04
7		7		7		7	4,230.21	7	3,987.32	7	3,732.42	7	3,465.53	7	3,142.63	7	2,785.11	7	2,427.59
1/4		1/4		1/4		1/4	4,225.27	1/4	3,982.12	1/4	3,726.98	1/4	3,459.83	1/4	3,135.18	1/4	2,777.66	1/4	2,420.15
1/2		1/2		1/2		1/2	4,220.32	1/2	3,976.93	1/2	3,721.53	1/2	3,454.14	1/2	3,127.73	1/2	2,770.22	1/2	2,412.70
3/4		3/4		3/4		3/4	4,215.38	3/4	3,971.73	3/4	3,716.09	3/4	3,448.44	3/4	3,120.29	3/4	2,762.77	3/4	2,405.25
8		8		8		8	4,210.43	8	3,966.53	8	3,710.64	8	3,442.75	8	3,112.84	8	2,755.32	8	2,397.80
1/4		1/4		1/4		1/4	4,205.46	1/4	3,961.32	1/4	3,705.17	1/4	3,437.03	1/4	3,105.39	1/4	2,747.87	1/4	2,390.35
1/2		1/2		1/2		1/2	4,200.49	1/2	3,956.10	1/2	3,699.71	1/2	3,431.32	1/2	3,097.94	1/2	2,740.42	1/2	2,382.90
3/4		3/4		3/4		3/4	4,195.52	3/4	3,950.88	3/4	3,694.24	3/4	3,425.60	3/4	3,090.49	3/4	2,732.97	3/4	2,375.46
9		9		9		9	4,190.55	9	3,945.67	9	3,688.77	9	3,419.89	9	3,083.05	9	2,725.53	9	2,368.01
1/4		1/4		1/4		1/4	4,185.57	1/4	3,940.43	1/4	3,683.28	1/4	3,414.16	1/4	3,075.60	1/4	2,718.08	1/4	2,360.56
1/2		1/2		1/2		1/2	4,180.58	1/2	3,935.19	1/2	3,677.80	1/2	3,408.43	1/2	3,068.15	1/2	2,710.63	1/2	2,353.11
3/4		3/4		3/4		3/4	4,175.59	3/4	3,929.95	3/4	3,672.31	3/4	3,402.71	3/4	3,060.70	3/4	2,703.18	3/4	2,345.66
10		10		10		10	4,170.61	10	3,924.71	10	3,666.83	10	3,396.98	10	3,053.25	10	2,695.73	10	2,338.22
1/4		1/4		1/4		1/4	4,165.59	1/4	3,919.45	1/4	3,661.31	1/4	3,391.26	1/4	3,045.80	1/4	2,688.29	1/4	2,330.77
1/2		1/2		1/2		1/2	4,160.58	1/2	3,914.19	1/2	3,655.80	1/2	3,385.53	1/2	3,038.36	1/2	2,680.84	1/2	2,323.32
3/4		3/4		3/4		3/4	4,155.57	3/4	3,908.93	3/4	3,650.29	3/4	3,379.81	3/4	3,030.91	3/4	2,673.39	3/4	2,315.87
11		11		11	4,391.68	11	4,150.56	11	3,903.68	11	3,644.78	11	3,374.08	11	3,023.46	11	2,665.94	11	2,308.42
1/4		1/4		1/4	4,387.03	1/4	4,145.53	1/4	3,898.39	1/4	3,639.25	1/4	3,368.36	1/4	3,016.01	1/4	2,658.49	1/4	2,300.97
1/2		1/2		1/2	4,382.37	1/2	4,140.50	1/2	3,893.11	1/2	3,633.72	1/2	3,362.63	1/2	3,008.56	1/2	2,651.04	1/2	2,293.53
3/4		3/4		3/4	4,377.72	3/4	4,135.47	3/4	3,887.83	3/4	3,628.20	3/4	3,356.91	3/4	3,001.11	3/4	2,643.60	3/4	2,286.08

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "KIRBY 29137"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,278.63	0	1,921.11	0	1,563.59	0	1,206.07	0	848.85	0	491.43	0	133.92	0		0		0	
1/4	2,271.18	1/4	1,913.66	1/4	1,556.14	1/4	1,198.63	1/4	841.41	1/4	483.98	1/4	126.48	1/4		1/4		1/4	
1/2	2,263.73	1/2	1,906.21	1/2	1,548.70	1/2	1,191.18	1/2	833.97	1/2	476.54	1/2	119.03	1/2		1/2		1/2	
3/4	2,256.28	3/4	1,898.77	3/4	1,541.25	3/4	1,183.73	3/4	826.54	3/4	469.09	3/4	111.58	3/4		3/4		3/4	
1	2,248.84	1	1,891.32	1	1,533.80	1	1,176.28	1	819.10	1	461.64	1	104.13	1		1		1	
1/4	2,241.39	1/4	1,883.87	1/4	1,526.35	1/4	1,168.83	1/4	811.66	1/4	454.19	1/4	97.00	1/4		1/4		1/4	
1/2	2,233.94	1/2	1,876.42	1/2	1,518.90	1/2	1,161.38	1/2	804.23	1/2	446.74	1/2	89.87	1/2		1/2		1/2	
3/4	2,226.49	3/4	1,868.97	3/4	1,511.45	3/4	1,153.94	3/4	796.79	3/4	439.30	3/4	82.73	3/4		3/4		3/4	
2	2,219.04	2	1,861.52	2	1,504.01	2	1,146.49	2	789.36	2	431.85	2	75.60	2		2		2	
1/4	2,211.59	1/4	1,854.08	1/4	1,496.56	1/4	1,139.04	1/4	781.91	1/4	424.40	1/4	69.41	1/4		1/4		1/4	
1/2	2,204.15	1/2	1,846.63	1/2	1,489.11	1/2	1,131.59	1/2	774.46	1/2	416.95	1/2	63.21	1/2		1/2		1/2	
3/4	2,196.70	3/4	1,839.18	3/4	1,481.66	3/4	1,124.14	3/4	767.01	3/4	409.50	3/4	57.02	3/4		3/4		3/4	
3	2,189.25	3	1,831.73	3	1,474.21	3	1,116.69	3	759.56	3	402.05	3	50.83	3		3		3	
1/4	2,181.80	1/4	1,824.28	1/4	1,466.76	1/4	1,109.25	1/4	752.12	1/4	394.61	1/4	45.89	1/4		1/4		1/4	
1/2	2,174.35	1/2	1,816.83	1/2	1,459.32	1/2	1,101.80	1/2	744.67	1/2	387.16	1/2	40.95	1/2		1/2		1/2	
3/4	2,166.90	3/4	1,809.39	3/4	1,451.87	3/4	1,094.35	3/4	737.22	3/4	379.71	3/4	36.02	3/4		3/4		3/4	
4	2,159.46	4	1,801.94	4	1,444.42	4	1,086.90	4	729.77	4	372.26	4	31.08	4		4		4	
1/4	2,152.01	1/4	1,794.49	1/4	1,436.97	1/4	1,079.45	1/4	722.32	1/4	364.81	1/4	27.41	1/4		1/4		1/4	
1/2	2,144.56	1/2	1,787.04	1/2	1,429.52	1/2	1,072.00	1/2	714.87	1/2	357.37	1/2	23.73	1/2		1/2		1/2	
3/4	2,137.11	3/4	1,779.59	3/4	1,422.07	3/4	1,064.56	3/4	707.43	3/4	349.92	3/4	20.06	3/4		3/4		3/4	
5	2,129.66	5	1,772.14	5	1,414.63	5	1,057.11	5	699.98	5	342.47	5	16.39	5		5		5	
1/4	2,122.21	1/4	1,764.70	1/4	1,407.18	1/4	1,049.66	1/4	692.53	1/4	335.02	1/4		1/4		1/4		1/4	
1/2	2,114.77	1/2	1,757.25	1/2	1,399.73	1/2	1,042.21	1/2	685.08	1/2	327.57	1/2		1/2		1/2		1/2	
3/4	2,107.32	3/4	1,749.80	3/4	1,392.28	3/4	1,034.76	3/4	677.63	3/4	320.13	3/4		3/4		3/4		3/4	
6	2,099.87	6	1,742.35	6	1,384.83	6	1,027.31	6	670.19	6	312.68	6		6		6		6	
1/4	2,092.42	1/4	1,734.90	1/4	1,377.38	1/4	1,019.88	1/4	662.74	1/4	305.23	1/4		1/4		1/4		1/4	
1/2	2,084.97	1/2	1,727.45	1/2	1,369.94	1/2	1,012.44	1/2	655.29	1/2	297.78	1/2		1/2		1/2		1/2	
3/4	2,077.52	3/4	1,720.01	3/4	1,362.49	3/4	1,005.01	3/4	647.84	3/4	290.33	3/4		3/4		3/4		3/4	
7	2,070.08	7	1,712.56	7	1,355.04	7	997.57	7	640.39	7	282.88	7		7		7		7	
1/4	2,062.63	1/4	1,705.11	1/4	1,347.59	1/4	990.13	1/4	632.95	1/4	275.44	1/4		1/4		1/4		1/4	
1/2	2,055.18	1/2	1,697.66	1/2	1,340.14	1/2	982.70	1/2	625.50	1/2	267.99	1/2		1/2		1/2		1/2	
3/4	2,047.73	3/4	1,690.21	3/4	1,332.69	3/4	975.26	3/4	618.05	3/4	260.54	3/4		3/4		3/4		3/4	
8	2,040.28	8	1,682.76	8	1,325.25	8	967.82	8	610.60	8	253.09	8		8		8		8	
1/4	2,032.83	1/4	1,675.32	1/4	1,317.80	1/4	960.39	1/4	603.15	1/4	245.64	1/4		1/4		1/4		1/4	
1/2	2,025.39	1/2	1,667.87	1/2	1,310.35	1/2	952.95	1/2	595.71	1/2	238.20	1/2		1/2		1/2		1/2	
3/4	2,017.94	3/4	1,660.42	3/4	1,302.90	3/4	945.52	3/4	588.26	3/4	230.75	3/4		3/4		3/4		3/4	
9	2,010.49	9	1,652.97	9	1,295.45	9	938.08	9	580.81	9	223.30	9		9		9		9	
1/4	2,003.04	1/4	1,645.52	1/4	1,288.00	1/4	930.64	1/4	573.36	1/4	215.85	1/4		1/4		1/4		1/4	
1/2	1,995.59	1/2	1,638.07	1/2	1,280.56	1/2	923.21	1/2	565.91	1/2	208.40	1/2		1/2		1/2		1/2	
3/4	1,988.14	3/4	1,630.63	3/4	1,273.11	3/4	915.77	3/4	558.46	3/4	200.96	3/4		3/4		3/4		3/4	
10	1,980.70	10	1,623.18	10	1,265.66	10	908.33	10	551.02	10	193.51	10		10		10		10	
1/4	1,973.25	1/4	1,615.73	1/4	1,258.21	1/4	900.90	1/4	543.57	1/4	186.06	1/4		1/4		1/4		1/4	
1/2	1,965.80	1/2	1,608.28	1/2	1,250.76	1/2	893.46	1/2	536.12	1/2	178.61	1/2		1/2		1/2		1/2	
3/4	1,958.35	3/4	1,600.83	3/4	1,243.31	3/4	886.03	3/4	528.67	3/4	171.16	3/4		3/4		3/4		3/4	
11	1,950.90	11	1,593.39	11	1,235.87	11	878.59	11	521.22	11	163.72	11		11		11		11	
1/4	1,943.46	1/4	1,585.94	1/4	1,228.42	1/4	871.15	1/4	513.78	1/4	156.27	1/4		1/4		1/4		1/4	
1/2	1,936.01	1/2	1,578.49	1/2	1,220.97	1/2	863.72	1/2	506.33	1/2	148.82	1/2		1/2		1/2		1/2	
3/4	1,928.56	3/4	1,571.04	3/4	1,213.52	3/4	856.28	3/4	498.88	3/4	141.37	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/08/2014 CL  
CALCULATED: 12/08/2014 CL  
VERIFIED: 01/10/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024