



BARGE "KIRBY 29067"

ULLAGE TRIM TABLE
HERMETIC

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

January 10, 2018

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29067"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	4,387.64	0	4,088.45	0	3,768.68	0	3,429.47	0	3,087.31	0	2,745.16	0	2,403.01
1/4		1/4		1/4		1/4	4,381.36	1/4	4,082.00	1/4	3,761.79	1/4	3,422.34	1/4	3,080.18	1/4	2,738.03	1/4	2,395.88
1/2		1/2		1/2		1/2	4,375.08	1/2	4,075.55	1/2	3,754.90	1/2	3,415.21	1/2	3,073.06	1/2	2,730.90	1/2	2,388.75
3/4		3/4		3/4		3/4	4,368.80	3/4	4,069.10	3/4	3,748.00	3/4	3,408.08	3/4	3,065.93	3/4	2,723.77	3/4	2,381.62
1	1	1	1	1	1	1	4,362.76	1	4,062.62	1	3,741.07	1	3,400.95	1	3,058.80	1	2,716.65	1	2,374.49
1/4		1/4		1/4		1/4	4,356.73	1/4	4,056.13	1/4	3,734.14	1/4	3,393.83	1/4	3,051.67	1/4	2,709.52	1/4	2,367.36
1/2		1/2		1/2		1/2	4,350.69	1/2	4,049.65	1/2	3,727.21	1/2	3,386.70	1/2	3,044.54	1/2	2,702.39	1/2	2,360.24
3/4		3/4		3/4		3/4	4,344.66	3/4	4,043.16	3/4	3,720.28	3/4	3,379.57	3/4	3,037.42	3/4	2,695.26	3/4	2,353.11
2	2	2	2	2	2	2	4,338.59	2	4,036.64	2	3,713.31	2	3,372.44	2	3,030.29	2	2,688.13	2	2,345.98
1/4		1/4		1/4		1/4	4,332.52	1/4	4,030.12	1/4	3,706.35	1/4	3,365.31	1/4	3,023.16	1/4	2,681.01	1/4	2,338.85
1/2		1/2		1/2		1/2	4,326.45	1/2	4,023.59	1/2	3,699.38	1/2	3,358.18	1/2	3,016.03	1/2	2,673.88	1/2	2,331.72
3/4		3/4		3/4		3/4	4,320.38	3/4	4,017.07	3/4	3,692.41	3/4	3,351.06	3/4	3,008.90	3/4	2,666.75	3/4	2,324.60
3	3	3	3	3	3	3	4,314.26	3	4,010.51	3	3,685.39	3	3,343.93	3	3,001.77	3	2,659.62	3	2,317.47
1/4		1/4		1/4		1/4	4,308.15	1/4	4,003.95	1/4	3,678.37	1/4	3,336.80	1/4	2,994.65	1/4	2,652.49	1/4	2,310.34
1/2		1/2		1/2		1/2	4,302.03	1/2	3,997.39	1/2	3,671.35	1/2	3,329.67	1/2	2,987.52	1/2	2,645.36	1/2	2,303.21
3/4		3/4		3/4		3/4	4,295.92	3/4	3,990.83	3/4	3,664.33	3/4	3,322.54	3/4	2,980.39	3/4	2,638.24	3/4	2,296.08
4	4	4	4	4	4	4	4,289.77	4	3,984.23	4	3,657.26	4	3,315.42	4	2,973.26	4	2,631.11	4	2,288.95
1/4		1/4		1/4		1/4	4,283.62	1/4	3,977.64	1/4	3,650.20	1/4	3,308.29	1/4	2,966.13	1/4	2,623.98	1/4	2,281.83
1/2		1/2		1/2		1/2	4,277.46	1/2	3,971.04	1/2	3,643.14	1/2	3,301.16	1/2	2,959.01	1/2	2,616.85	1/2	2,274.70
3/4		3/4		3/4		3/4	4,271.31	3/4	3,964.44	3/4	3,636.07	3/4	3,294.03	3/4	2,951.88	3/4	2,609.72	3/4	2,267.57
5	5	5	5	5	5	5	4,265.12	5	3,957.81	5	3,628.97	5	3,286.90	5	2,944.75	5	2,602.60	5	2,260.44
1/4		1/4		1/4		1/4	4,258.93	1/4	3,951.17	1/4	3,621.87	1/4	3,279.77	1/4	2,937.62	1/4	2,595.47	1/4	2,253.31
1/2		1/2		1/2		1/2	4,252.74	1/2	3,944.54	1/2	3,614.77	1/2	3,272.65	1/2	2,930.49	1/2	2,588.34	1/2	2,246.19
3/4		3/4		3/4		3/4	4,246.56	3/4	3,937.91	3/4	3,607.67	3/4	3,265.52	3/4	2,923.36	3/4	2,581.21	3/4	2,239.06
6	6	6	6	6	6	6	4,240.33	6	3,931.24	6	3,600.54	6	3,258.39	6	2,916.24	6	2,574.08	6	2,231.93
1/4		1/4		1/4		1/4	4,234.10	1/4	3,924.56	1/4	3,593.41	1/4	3,251.26	1/4	2,909.11	1/4	2,566.95	1/4	2,224.80
1/2		1/2		1/2		1/2	4,533.39	1/2	4,227.88	1/2	3,917.89	1/2	3,586.29	1/2	3,244.13	1/2	2,901.98	1/2	2,559.83
3/4		3/4		3/4		3/4	4,529.15	3/4	4,221.65	3/4	3,911.22	3/4	3,579.16	3/4	3,237.01	3/4	2,894.85	3/4	2,552.70
7	7	7	7	7	7	7	4,523.47	7	4,215.39	7	3,904.51	7	3,572.03	7	3,229.88	7	2,887.72	7	2,545.57
1/4		1/4		1/4		1/4	4,517.79	1/4	4,209.12	1/4	3,897.81	1/4	3,564.90	1/4	3,222.75	1/4	2,880.60	1/4	2,538.44
1/2		1/2		1/2		1/2	4,512.12	1/2	4,202.86	1/2	3,891.10	1/2	3,557.77	1/2	3,215.62	1/2	2,873.47	1/2	2,531.31
3/4		3/4		3/4		3/4	4,506.44	3/4	4,196.60	3/4	3,884.39	3/4	3,550.65	3/4	3,208.49	3/4	2,866.34	3/4	2,524.19
8	8	8	8	8	8	8	4,499.61	8	4,190.30	8	3,877.64	8	3,543.52	8	3,201.36	8	2,859.21	8	2,517.06
1/4		1/4		1/4		1/4	4,492.78	1/4	4,184.00	1/4	3,870.90	1/4	3,536.39	1/4	3,194.24	1/4	2,852.08	1/4	2,509.93
1/2		1/2		1/2		1/2	4,485.95	1/2	4,177.70	1/2	3,864.15	1/2	3,529.26	1/2	3,187.11	1/2	2,844.95	1/2	2,502.80
3/4		3/4		3/4		3/4	4,479.11	3/4	4,171.39	3/4	3,857.41	3/4	3,522.13	3/4	3,179.98	3/4	2,837.83	3/4	2,495.67
9	9	9	9	9	9	9	4,472.01	9	4,165.06	9	3,850.63	9	3,515.01	9	3,172.85	9	2,830.70	9	2,488.54
1/4		1/4		1/4		1/4	4,464.91	1/4	4,158.72	1/4	3,843.84	1/4	3,507.88	1/4	3,165.72	1/4	2,823.57	1/4	2,481.42
1/2		1/2		1/2		1/2	4,457.81	1/2	4,152.38	1/2	3,837.06	1/2	3,500.75	1/2	3,158.60	1/2	2,816.44	1/2	2,474.29
3/4		3/4		3/4		3/4	4,450.71	3/4	4,146.04	3/4	3,830.28	3/4	3,493.62	3/4	3,151.47	3/4	2,809.31	3/4	2,467.16
10	10	10	10	10	10	10	4,443.61	10	4,139.67	10	3,823.46	10	3,486.49	10	3,144.34	10	2,802.19	10	2,460.03
1/4		1/4		1/4		1/4	4,436.51	1/4	4,133.30	1/4	3,816.64	1/4	3,479.36	1/4	3,137.21	1/4	2,795.06	1/4	2,452.90
1/2		1/2		1/2		1/2	4,429.41	1/2	4,126.92	1/2	3,809.82	1/2	3,472.24	1/2	3,130.08	1/2	2,787.93	1/2	2,445.78
3/4		3/4		3/4		3/4	4,422.31	3/4	4,120.55	3/4	3,803.00	3/4	3,465.11	3/4	3,122.95	3/4	2,780.80	3/4	2,438.65
11	11	11	11	11	11	11	4,415.21	11	4,114.13	11	3,796.15	11	3,457.98	11	3,115.83	11	2,773.67	11	2,431.52
1/4		1/4		1/4		1/4	4,408.11	1/4	4,107.72	1/4	3,789.29	1/4	3,450.85	1/4	3,108.70	1/4	2,766.54	1/4	2,424.39
1/2		1/2		1/2		1/2	4,401.02	1/2	4,101.31	1/2	3,782.43	1/2	3,443.72	1/2	3,101.57	1/2	2,759.42	1/2	2,417.26
3/4		3/4		3/4		3/4	4,393.92	3/4	4,094.90	3/4	3,775.58	3/4	3,436.59	3/4	3,094.44	3/4	2,752.29	3/4	2,410.13

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 29067"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,060.85	0	1,718.70	0	1,376.55	0	1,034.50	0	695.11	0	378.57	0	94.32	0		0		0	
1/4	2,053.72	1/4	1,711.57	1/4	1,369.42	1/4	1,027.39	1/4	688.19	1/4	372.33	1/4	88.75	1/4		1/4		1/4	
1/2	2,046.60	1/2	1,704.44	1/2	1,362.29	1/2	1,020.29	1/2	681.27	1/2	366.08	1/2	83.17	1/2		1/2		1/2	
3/4	2,039.47	3/4	1,697.31	3/4	1,355.16	3/4	1,013.19	3/4	674.35	3/4	359.84	3/4	77.60	3/4		3/4		3/4	
1	2,032.34	1	1,690.19	1	1,348.03	1	1,006.09	1	667.49	1	353.66	1	72.09	1		1		1	
1/4	2,025.21	1/4	1,683.06	1/4	1,340.90	1/4	998.99	1/4	660.63	1/4	347.47	1/4	66.57	1/4		1/4		1/4	
1/2	2,018.08	1/2	1,675.93	1/2	1,333.78	1/2	991.90	1/2	653.77	1/2	341.28	1/2	61.05	1/2		1/2		1/2	
3/4	2,010.95	3/4	1,668.80	3/4	1,326.65	3/4	984.80	3/4	646.90	3/4	335.10	3/4	55.54	3/4		3/4		3/4	
2	2,003.83	2	1,661.67	2	1,319.52	2	977.70	2	640.10	2	328.97	2	50.08	2		2		2	
1/4	1,996.70	1/4	1,654.54	1/4	1,312.39	1/4	970.61	1/4	633.29	1/4	322.84	1/4	44.62	1/4		1/4		1/4	
1/2	1,989.57	1/2	1,647.42	1/2	1,305.26	1/2	963.51	1/2	626.49	1/2	316.71	1/2	39.15	1/2		1/2		1/2	
3/4	1,982.44	3/4	1,640.29	3/4	1,298.13	3/4	956.41	3/4	619.68	3/4	310.58	3/4	33.69	3/4		3/4		3/4	
3	1,975.31	3	1,633.16	3	1,291.01	3	949.32	3	612.93	3	304.51	3	28.96	3		3		3	
1/4	1,968.19	1/4	1,626.03	1/4	1,283.88	1/4	942.22	1/4	606.18	1/4	298.43	1/4	24.22	1/4		1/4		1/4	
1/2	1,961.06	1/2	1,618.90	1/2	1,276.75	1/2	935.12	1/2	599.43	1/2	292.36	1/2	19.49	1/2		1/2		1/2	
3/4	1,953.93	3/4	1,611.78	3/4	1,269.62	3/4	928.03	3/4	592.68	3/4	286.28	3/4	14.75	3/4		3/4		3/4	
4	1,946.80	4	1,604.65	4	1,262.49	4	920.93	4	585.99	4	280.26	4	11.63	4		4		4	
1/4	1,939.67	1/4	1,597.52	1/4	1,255.37	1/4	913.83	1/4	579.29	1/4	274.24	1/4	8.51	1/4		1/4		1/4	
1/2	1,932.54	1/2	1,590.39	1/2	1,248.24	1/2	906.74	1/2	572.60	1/2	268.22	1/2	5.39	1/2		1/2		1/2	
3/4	1,925.42	3/4	1,583.26	3/4	1,241.11	3/4	899.64	3/4	565.91	3/4	262.20	3/4	2.26	3/4		3/4		3/4	
5	1,918.29	5	1,576.13	5	1,233.98	5	892.55	5	559.27	5	256.24	5		5		5		5	
1/4	1,911.16	1/4	1,569.01	1/4	1,226.85	1/4	885.45	1/4	552.63	1/4	250.27	1/4		1/4		1/4		1/4	
1/2	1,904.03	1/2	1,561.88	1/2	1,219.72	1/2	878.35	1/2	545.99	1/2	244.31	1/2		1/2		1/2		1/2	
3/4	1,896.90	3/4	1,554.75	3/4	1,212.60	3/4	871.26	3/4	539.36	3/4	238.34	3/4		3/4		3/4		3/4	
6	1,889.78	6	1,547.62	6	1,205.47	6	864.16	6	532.77	6	232.43	6		6		6		6	
1/4	1,882.65	1/4	1,540.49	1/4	1,198.34	1/4	857.06	1/4	526.19	1/4	226.53	1/4		1/4		1/4		1/4	
1/2	1,875.52	1/2	1,533.37	1/2	1,191.21	1/2	849.97	1/2	519.61	1/2	220.62	1/2		1/2		1/2		1/2	
3/4	1,868.39	3/4	1,526.24	3/4	1,184.08	3/4	842.87	3/4	513.03	3/4	214.71	3/4		3/4		3/4		3/4	
7	1,861.26	7	1,519.11	7	1,176.96	7	835.77	7	506.50	7	208.86	7		7		7		7	
1/4	1,854.13	1/4	1,511.98	1/4	1,169.83	1/4	828.68	1/4	499.98	1/4	203.00	1/4		1/4		1/4		1/4	
1/2	1,847.01	1/2	1,504.85	1/2	1,162.70	1/2	821.58	1/2	493.45	1/2	197.15	1/2		1/2		1/2		1/2	
3/4	1,839.88	3/4	1,497.72	3/4	1,155.57	3/4	814.49	3/4	486.93	3/4	191.30	3/4		3/4		3/4		3/4	
8	1,832.75	8	1,490.60	8	1,148.44	8	807.39	8	480.46	8	185.50	8		8		8		8	
1/4	1,825.62	1/4	1,483.47	1/4	1,141.31	1/4	800.29	1/4	473.99	1/4	179.70	1/4		1/4		1/4		1/4	
1/2	1,818.49	1/2	1,476.34	1/2	1,134.19	1/2	793.20	1/2	467.53	1/2	173.91	1/2		1/2		1/2		1/2	
3/4	1,811.37	3/4	1,469.21	3/4	1,127.06	3/4	786.10	3/4	461.06	3/4	168.11	3/4		3/4		3/4		3/4	
9	1,804.24	9	1,462.08	9	1,119.93	9	779.05	9	454.65	9	162.37	9		9		9		9	
1/4	1,797.11	1/4	1,454.96	1/4	1,112.80	1/4	771.99	1/4	448.24	1/4	156.63	1/4		1/4		1/4		1/4	
1/2	1,789.98	1/2	1,447.83	1/2	1,105.67	1/2	764.94	1/2	441.83	1/2	150.89	1/2		1/2		1/2		1/2	
3/4	1,782.85	3/4	1,440.70	3/4	1,098.55	3/4	757.88	3/4	435.42	3/4	145.15	3/4		3/4		3/4		3/4	
10	1,775.72	10	1,433.57	10	1,091.42	10	750.88	10	429.06	10	139.46	10		10		10		10	
1/4	1,768.60	1/4	1,426.44	1/4	1,084.29	1/4	743.89	1/4	422.71	1/4	133.78	1/4		1/4		1/4		1/4	
1/2	1,761.47	1/2	1,419.31	1/2	1,077.16	1/2	736.89	1/2	416.36	1/2	128.09	1/2		1/2		1/2		1/2	
3/4	1,754.34	3/4	1,412.19	3/4	1,070.03	3/4	729.89	3/4	410.00	3/4	122.41	3/4		3/4		3/4		3/4	
11	1,747.21	11	1,405.06	11	1,062.92	11	722.92	11	403.70	11	116.78	11		11		11		11	
1/4	1,740.08	1/4	1,397.93	1/4	1,055.82	1/4	715.96	1/4	397.41	1/4	111.15	1/4		1/4		1/4		1/4	
1/2	1,732.96	1/2	1,390.80	1/2	1,048.71	1/2	708.99	1/2	391.11	1/2	105.52	1/2		1/2		1/2		1/2	
3/4	1,725.83	3/4	1,383.67	3/4	1,041.60	3/4	702.02	3/4	384.81	3/4	99.89	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/10/2018 SW
CALCULATED: 01/10/2018 CL
PRINTED: 01/10/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2018

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



BARGE "KIRBY 29067"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	4,384.30	0	4,085.58	0	3,766.19	0	3,427.31	0	3,085.46	0	2,743.61	0	2,401.76
1/4		1/4		1/4		1/4	4,378.03	1/4	4,079.14	1/4	3,759.31	1/4	3,420.19	1/4	3,078.34	1/4	2,736.49	1/4	2,394.64
1/2		1/2		1/2		1/2	4,371.76	1/2	4,072.70	1/2	3,752.42	1/2	3,413.07	1/2	3,071.22	1/2	2,729.36	1/2	2,387.51
3/4		3/4		3/4		3/4	4,365.49	3/4	4,066.26	3/4	3,745.54	3/4	3,405.94	3/4	3,064.09	3/4	2,722.24	3/4	2,380.39
1	1	1	1	1	1	1	4,359.47	1	4,059.78	1	3,738.61	1	3,398.82	1	3,056.97	1	2,715.12	1	2,373.27
1/4		1/4		1/4		1/4	4,353.44	1/4	4,053.30	1/4	3,731.69	1/4	3,391.70	1/4	3,049.85	1/4	2,708.00	1/4	2,366.15
1/2		1/2		1/2		1/2	4,347.42	1/2	4,046.83	1/2	3,724.77	1/2	3,384.58	1/2	3,042.73	1/2	2,700.88	1/2	2,359.03
3/4		3/4		3/4		3/4	4,341.40	3/4	4,040.35	3/4	3,717.84	3/4	3,377.46	3/4	3,035.61	3/4	2,693.75	3/4	2,351.90
2	2	2	2	2	2	2	4,335.33	2	4,033.83	2	3,710.88	2	3,370.34	2	3,028.48	2	2,686.63	2	2,344.78
1/4		1/4		1/4		1/4	4,329.27	1/4	4,027.32	1/4	3,703.92	1/4	3,363.21	1/4	3,021.36	1/4	2,679.51	1/4	2,337.66
1/2		1/2		1/2		1/2	4,323.21	1/2	4,020.81	1/2	3,696.96	1/2	3,356.09	1/2	3,014.24	1/2	2,672.39	1/2	2,330.54
3/4		3/4		3/4		3/4	4,317.15	3/4	4,014.29	3/4	3,690.00	3/4	3,348.97	3/4	3,007.12	3/4	2,665.27	3/4	2,323.42
3	3	3	3	3	3	3	4,311.05	3	4,007.74	3	3,682.99	3	3,341.85	3	3,000.00	3	2,658.15	3	2,316.29
1/4		1/4		1/4		1/4	4,304.94	1/4	4,001.19	1/4	3,675.97	1/4	3,334.73	1/4	2,992.87	1/4	2,651.02	1/4	2,309.17
1/2		1/2		1/2		1/2	4,298.84	1/2	3,994.64	1/2	3,668.96	1/2	3,327.60	1/2	2,985.75	1/2	2,643.90	1/2	2,302.05
3/4		3/4		3/4		3/4	4,292.74	3/4	3,988.09	3/4	3,661.94	3/4	3,320.48	3/4	2,978.63	3/4	2,636.78	3/4	2,294.93
4	4	4	4	4	4	4	4,286.60	4	3,981.50	4	3,654.89	4	3,313.36	4	2,971.51	4	2,629.66	4	2,287.81
1/4		1/4		1/4		1/4	4,280.45	1/4	3,974.91	1/4	3,647.83	1/4	3,306.24	1/4	2,964.39	1/4	2,622.54	1/4	2,280.68
1/2		1/2		1/2		1/2	4,274.31	1/2	3,968.32	1/2	3,640.77	1/2	3,299.12	1/2	2,957.27	1/2	2,615.41	1/2	2,273.56
3/4		3/4		3/4		3/4	4,268.17	3/4	3,961.73	3/4	3,633.72	3/4	3,291.99	3/4	2,950.14	3/4	2,608.29	3/4	2,266.44
5	5	5	5	5	5	5	4,261.99	5	3,955.11	5	3,626.62	5	3,284.87	5	2,943.02	5	2,601.17	5	2,259.32
1/4		1/4		1/4		1/4	4,255.81	1/4	3,948.48	1/4	3,619.53	1/4	3,277.75	1/4	2,935.90	1/4	2,594.05	1/4	2,252.20
1/2		1/2		1/2		1/2	4,249.63	1/2	3,941.85	1/2	3,612.43	1/2	3,270.63	1/2	2,928.78	1/2	2,586.93	1/2	2,245.08
3/4		3/4		3/4		3/4	4,243.45	3/4	3,935.23	3/4	3,605.34	3/4	3,263.51	3/4	2,921.66	3/4	2,579.80	3/4	2,237.95
6	6	6	6	6	6	6	4,237.23	6	3,928.56	6	3,598.22	6	3,256.38	6	2,914.53	6	2,572.68	6	2,230.83
1/4		1/4		1/4		1/4	4,231.02	1/4	3,921.90	1/4	3,591.11	1/4	3,249.26	1/4	2,907.41	1/4	2,565.56	1/4	2,223.71
1/2		1/2		1/2		1/2	4,529.91	1/2	4,224.80	1/2	3,915.24	1/2	3,583.99	1/2	3,242.14	1/2	2,900.29	1/2	2,558.44
3/4		3/4		3/4		3/4	4,525.67	3/4	4,218.58	3/4	3,908.57	3/4	3,576.87	3/4	3,235.02	3/4	2,893.17	3/4	2,551.32
7	7	7	7	7	7	7	4,520.00	7	4,212.33	7	3,901.87	7	3,569.75	7	3,227.90	7	2,886.05	7	2,544.19
1/4		1/4		1/4		1/4	4,514.33	1/4	4,206.08	1/4	3,895.17	1/4	3,562.63	1/4	3,220.78	1/4	2,878.92	1/4	2,537.07
1/2		1/2		1/2		1/2	4,508.66	1/2	4,199.82	1/2	3,888.47	1/2	3,555.50	1/2	3,213.65	1/2	2,871.80	1/2	2,529.95
3/4		3/4		3/4		3/4	4,503.00	3/4	4,193.57	3/4	3,881.77	3/4	3,548.38	3/4	3,206.53	3/4	2,864.68	3/4	2,522.83
8	8	8	8	8	8	8	4,496.17	8	4,187.28	8	3,875.04	8	3,541.26	8	3,199.41	8	2,857.56	8	2,515.71
1/4		1/4		1/4		1/4	4,489.34	1/4	4,180.99	1/4	3,868.30	1/4	3,534.14	1/4	3,192.29	1/4	2,850.44	1/4	2,508.59
1/2		1/2		1/2		1/2	4,482.52	1/2	4,174.69	1/2	3,861.56	1/2	3,527.02	1/2	3,185.17	1/2	2,843.31	1/2	2,501.46
3/4		3/4		3/4		3/4	4,475.69	3/4	4,168.40	3/4	3,854.82	3/4	3,519.90	3/4	3,178.04	3/4	2,836.19	3/4	2,494.34
9	9	9	9	9	9	9	4,468.60	9	4,162.07	9	3,848.05	9	3,512.77	9	3,170.92	9	2,829.07	9	2,487.22
1/4		1/4		1/4		1/4	4,461.51	1/4	4,155.75	1/4	3,841.27	1/4	3,505.65	1/4	3,163.80	1/4	2,821.95	1/4	2,480.10
1/2		1/2		1/2		1/2	4,454.41	1/2	4,149.42	1/2	3,834.50	1/2	3,498.53	1/2	3,156.68	1/2	2,814.83	1/2	2,472.98
3/4		3/4		3/4		3/4	4,447.32	3/4	4,143.09	3/4	3,827.72	3/4	3,491.41	3/4	3,149.56	3/4	2,807.71	3/4	2,465.85
10	10	10	10	10	10	10	4,440.23	10	4,136.72	10	3,820.91	10	3,484.29	10	3,142.43	10	2,800.58	10	2,458.73
1/4		1/4		1/4		1/4	4,433.13	1/4	4,130.36	1/4	3,814.10	1/4	3,477.16	1/4	3,135.31	1/4	2,793.46	1/4	2,451.61
1/2		1/2		1/2		1/2	4,426.04	1/2	4,123.99	1/2	3,807.29	1/2	3,470.04	1/2	3,128.19	1/2	2,786.34	1/2	2,444.49
3/4		3/4		3/4		3/4	4,418.95	3/4	4,117.63	3/4	3,800.48	3/4	3,462.92	3/4	3,121.07	3/4	2,779.22	3/4	2,437.37
11	11	11	11	11	11	11	4,411.85	11	4,111.22	11	3,793.63	11	3,455.80	11	3,113.95	11	2,772.10	11	2,430.24
1/4		1/4		1/4		1/4	4,404.76	1/4	4,104.82	1/4	3,786.78	1/4	3,448.68	1/4	3,106.83	1/4	2,764.97	1/4	2,423.12
1/2		1/2		1/2		1/2	4,397.67	1/2	4,098.42	1/2	3,779.93	1/2	3,441.55	1/2	3,099.70	1/2	2,757.85	1/2	2,416.00
3/4		3/4		3/4		3/4	4,390.57	3/4	4,092.02	3/4	3,773.08	3/4	3,434.43	3/4	3,092.58	3/4	2,750.73	3/4	2,408.88

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29067"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,059.91	0	1,718.05	0	1,376.20	0	1,034.35	0	693.89	0	377.75	0	94.02	0		0		0	
1/4	2,052.78	1/4	1,710.93	1/4	1,369.08	1/4	1,027.23	1/4	686.98	1/4	371.52	1/4	88.46	1/4		1/4		1/4	
1/2	2,045.66	1/2	1,703.81	1/2	1,361.96	1/2	1,020.11	1/2	680.07	1/2	365.29	1/2	82.90	1/2		1/2		1/2	
3/4	2,038.54	3/4	1,696.69	3/4	1,354.84	3/4	1,012.99	3/4	673.16	3/4	359.05	3/4	77.34	3/4		3/4		3/4	
1	2,031.42	1	1,689.57	1	1,347.72	1	1,005.86	1	666.31	1	352.88	1	71.83	1		1		1	
1/4	2,024.30	1/4	1,682.45	1/4	1,340.59	1/4	998.74	1/4	659.45	1/4	346.70	1/4	66.33	1/4		1/4		1/4	
1/2	2,017.17	1/2	1,675.32	1/2	1,333.47	1/2	991.62	1/2	652.60	1/2	340.53	1/2	60.82	1/2		1/2		1/2	
3/4	2,010.05	3/4	1,668.20	3/4	1,326.35	3/4	984.50	3/4	645.74	3/4	334.35	3/4	55.32	3/4		3/4		3/4	
2	2,002.93	2	1,661.08	2	1,319.23	2	977.38	2	638.94	2	328.23	2	49.87	2		2		2	
1/4	1,995.81	1/4	1,653.96	1/4	1,312.11	1/4	970.26	1/4	632.15	1/4	322.11	1/4	44.42	1/4		1/4		1/4	
1/2	1,988.69	1/2	1,646.84	1/2	1,304.98	1/2	963.13	1/2	625.35	1/2	315.99	1/2	38.97	1/2		1/2		1/2	
3/4	1,981.56	3/4	1,639.71	3/4	1,297.86	3/4	956.01	3/4	618.55	3/4	309.87	3/4	33.53	3/4		3/4		3/4	
3	1,974.44	3	1,632.59	3	1,290.74	3	948.89	3	611.81	3	303.81	3	28.80	3		3		3	
1/4	1,967.32	1/4	1,625.47	1/4	1,283.62	1/4	941.77	1/4	605.06	1/4	297.74	1/4	24.08	1/4		1/4		1/4	
1/2	1,960.20	1/2	1,618.35	1/2	1,276.50	1/2	934.65	1/2	598.32	1/2	291.68	1/2	19.35	1/2		1/2		1/2	
3/4	1,953.08	3/4	1,611.23	3/4	1,269.37	3/4	927.52	3/4	591.58	3/4	285.62	3/4	14.63	3/4		3/4		3/4	
4	1,945.96	4	1,604.10	4	1,262.25	4	920.40	4	584.89	4	279.61	4	11.52	4		4		4	
1/4	1,938.83	1/4	1,596.98	1/4	1,255.13	1/4	913.28	1/4	578.21	1/4	273.60	1/4	8.41	1/4		1/4		1/4	
1/2	1,931.71	1/2	1,589.86	1/2	1,248.01	1/2	906.16	1/2	571.52	1/2	267.59	1/2	5.30	1/2		1/2		1/2	
3/4	1,924.59	3/4	1,582.74	3/4	1,240.89	3/4	899.04	3/4	564.84	3/4	261.58	3/4	2.19	3/4		3/4		3/4	
5	1,917.47	5	1,575.62	5	1,233.77	5	891.91	5	558.21	5	255.62	5		5		5		5	
1/4	1,910.35	1/4	1,568.49	1/4	1,226.64	1/4	884.79	1/4	551.58	1/4	249.67	1/4		1/4		1/4		1/4	
1/2	1,903.22	1/2	1,561.37	1/2	1,219.52	1/2	877.67	1/2	544.95	1/2	243.71	1/2		1/2		1/2		1/2	
3/4	1,896.10	3/4	1,554.25	3/4	1,212.40	3/4	870.55	3/4	538.32	3/4	237.76	3/4		3/4		3/4		3/4	
6	1,888.98	6	1,547.13	6	1,205.28	6	863.43	6	531.74	6	231.86	6		6		6		6	
1/4	1,881.86	1/4	1,540.01	1/4	1,198.16	1/4	856.30	1/4	525.17	1/4	225.96	1/4		1/4		1/4		1/4	
1/2	1,874.74	1/2	1,532.89	1/2	1,191.03	1/2	849.18	1/2	518.60	1/2	220.07	1/2		1/2		1/2		1/2	
3/4	1,867.61	3/4	1,525.76	3/4	1,183.91	3/4	842.06	3/4	512.02	3/4	214.17	3/4		3/4		3/4		3/4	
7	1,860.49	7	1,518.64	7	1,176.79	7	834.94	7	505.51	7	208.33	7		7		7		7	
1/4	1,853.37	1/4	1,511.52	1/4	1,169.67	1/4	827.82	1/4	498.99	1/4	202.48	1/4		1/4		1/4		1/4	
1/2	1,846.25	1/2	1,504.40	1/2	1,162.55	1/2	820.70	1/2	492.47	1/2	196.64	1/2		1/2		1/2		1/2	
3/4	1,839.13	3/4	1,497.28	3/4	1,155.42	3/4	813.57	3/4	485.96	3/4	190.80	3/4		3/4		3/4		3/4	
8	1,832.00	8	1,490.15	8	1,148.30	8	806.45	8	479.50	8	185.01	8		8		8		8	
1/4	1,824.88	1/4	1,483.03	1/4	1,141.18	1/4	799.33	1/4	473.04	1/4	179.23	1/4		1/4		1/4		1/4	
1/2	1,817.76	1/2	1,475.91	1/2	1,134.06	1/2	792.21	1/2	466.58	1/2	173.44	1/2		1/2		1/2		1/2	
3/4	1,810.64	3/4	1,468.79	3/4	1,126.94	3/4	785.09	3/4	460.12	3/4	167.66	3/4		3/4		3/4		3/4	
9	1,803.52	9	1,461.67	9	1,119.81	9	778.01	9	453.72	9	161.93	9		9		9		9	
1/4	1,796.40	1/4	1,454.54	1/4	1,112.69	1/4	770.93	1/4	447.32	1/4	156.20	1/4		1/4		1/4		1/4	
1/2	1,789.27	1/2	1,447.42	1/2	1,105.57	1/2	763.85	1/2	440.92	1/2	150.47	1/2		1/2		1/2		1/2	
3/4	1,782.15	3/4	1,440.30	3/4	1,098.45	3/4	756.77	3/4	434.52	3/4	144.74	3/4		3/4		3/4		3/4	
10	1,775.03	10	1,433.18	10	1,091.33	10	749.74	10	428.17	10	139.07	10		10		10		10	
1/4	1,767.91	1/4	1,426.06	1/4	1,084.21	1/4	742.72	1/4	421.83	1/4	133.39	1/4		1/4		1/4		1/4	
1/2	1,760.79	1/2	1,418.93	1/2	1,077.08	1/2	735.70	1/2	415.48	1/2	127.72	1/2		1/2		1/2		1/2	
3/4	1,753.66	3/4	1,411.81	3/4	1,069.96	3/4	728.67	3/4	409.14	3/4	122.05	3/4		3/4		3/4		3/4	
11	1,746.54	11	1,404.69	11	1,062.84	11	721.71	11	402.85	11	116.43	11		11		11		11	
1/4	1,739.42	1/4	1,397.57	1/4	1,055.72	1/4	714.74	1/4	396.56	1/4	110.81	1/4		1/4		1/4		1/4	
1/2	1,732.30	1/2	1,390.45	1/2	1,048.60	1/2	707.77	1/2	390.27	1/2	105.20	1/2		1/2		1/2		1/2	
3/4	1,725.18	3/4	1,383.33	3/4	1,041.47	3/4	700.80	3/4	383.98	3/4	99.58	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/10/2018 SW
CALCULATED: 01/10/2018 CL
PRINTED: 01/10/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2018

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



BARGE "KIRBY 29067"

2 PORT 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	0	0	0	5,111.65	0	4,774.34	0	4,412.87	0	4,029.17	0	3,641.87	0	3,254.57	0	2,867.27		
1/4		1/4		1/4		1/4	5,104.63	1/4	4,767.04	1/4	4,405.07	1/4	4,021.11	1/4	3,633.80	1/4	3,246.50	1/4	2,859.20		
1/2		1/2		1/2		1/2	5,097.61	1/2	4,759.74	1/2	4,397.27	1/2	4,013.04	1/2	3,625.73	1/2	3,238.43	1/2	2,851.13		
3/4		3/4		3/4		3/4	5,090.59	3/4	4,752.44	3/4	4,389.46	3/4	4,004.97	3/4	3,617.67	3/4	3,230.36	3/4	2,843.06		
1	1	1	1	1	1	1	5,083.57	1	4,745.14	1	4,381.66	1	3,996.90	1	3,609.60	1	3,222.29	1	2,834.99		
1/4		1/4		1/4		1/4	5,076.82	1/4	4,737.80	1/4	4,373.81	1/4	3,988.83	1/4	3,601.53	1/4	3,214.23	1/4	2,826.92		
1/2		1/2		1/2		1/2	5,070.08	1/2	4,730.46	1/2	4,365.97	1/2	3,980.76	1/2	3,593.46	1/2	3,206.16	1/2	2,818.85		
3/4		3/4		3/4		3/4	5,063.34	3/4	4,723.12	3/4	4,358.12	3/4	3,972.69	3/4	3,585.39	3/4	3,198.09	3/4	2,810.79		
2	2	2	2	2	2	2	5,056.60	2	4,715.78	2	4,350.28	2	3,964.62	2	3,577.32	2	3,190.02	2	2,802.72		
1/4		1/4		1/4		1/4	5,049.81	1/4	4,708.39	1/4	4,342.39	1/4	3,956.55	1/4	3,569.25	1/4	3,181.95	1/4	2,794.65		
1/2		1/2		1/2		1/2	5,043.03	1/2	4,701.01	1/2	4,334.50	1/2	3,948.49	1/2	3,561.18	1/2	3,173.88	1/2	2,786.58		
3/4		3/4		3/4		3/4	5,036.24	3/4	4,693.63	3/4	4,326.61	3/4	3,940.42	3/4	3,553.11	3/4	3,165.81	3/4	2,778.51		
3	3	3	3	3	3	3	5,029.46	3	4,686.24	3	4,318.73	3	3,932.35	3	3,545.05	3	3,157.74	3	2,770.44		
1/4		1/4		1/4		1/4	5,022.56	1/4	4,678.82	1/4	4,310.78	1/4	3,924.28	1/4	3,536.98	1/4	3,149.67	1/4	2,762.37		
1/2		1/2		1/2		1/2	5,015.66	1/2	4,671.39	1/2	4,302.83	1/2	3,916.21	1/2	3,528.91	1/2	3,141.61	1/2	2,754.30		
3/4		3/4		3/4		3/4	5,008.77	3/4	4,663.97	3/4	4,294.88	3/4	3,908.14	3/4	3,520.84	3/4	3,133.54	3/4	2,746.23		
4	4	4	4	4	4	4	5,001.87	4	4,656.54	4	4,286.94	4	3,900.07	4	3,512.77	4	3,125.47	4	2,738.17		
1/4		1/4		1/4		1/4	4,994.91	1/4	4,649.07	1/4	4,278.94	1/4	3,892.00	1/4	3,504.70	1/4	3,117.40	1/4	2,730.10		
1/2		1/2		1/2		1/2	4,987.94	1/2	4,641.61	1/2	4,270.95	1/2	3,883.94	1/2	3,496.63	1/2	3,109.33	1/2	2,722.03		
3/4		3/4		3/4		3/4	4,980.98	3/4	4,634.14	3/4	4,262.95	3/4	3,875.87	3/4	3,488.56	3/4	3,101.26	3/4	2,713.96		
5	5	5	5	5	5	5	4,974.02	5	4,626.67	5	4,254.96	5	3,867.80	5	3,480.50	5	3,093.19	5	2,705.89		
1/4		1/4		1/4		1/4	4,967.01	1/4	4,619.16	1/4	4,246.92	1/4	3,859.73	1/4	3,472.43	1/4	3,085.12	1/4	2,697.82		
1/2		1/2		1/2		1/2	4,960.01	1/2	4,611.65	1/2	4,238.88	1/2	3,851.66	1/2	3,464.36	1/2	3,077.06	1/2	2,689.75		
3/4		3/4		3/4		3/4	4,953.00	3/4	4,604.14	3/4	4,230.84	3/4	3,843.59	3/4	3,456.29	3/4	3,068.99	3/4	2,681.68		
6	6	6	6	6	6	6	4,945.99	6	4,596.63	6	4,222.81	6	3,835.52	6	3,448.22	6	3,060.92	6	2,673.62		
1/4		1/4		1/4		1/4	4,938.95	1/4	4,589.08	1/4	4,214.74	1/4	3,827.45	1/4	3,440.15	1/4	3,052.85	1/4	2,665.55		
1/2		1/2		1/2		1/2	4,931.90	1/2	4,581.53	1/2	4,206.68	1/2	3,819.39	1/2	3,432.08	1/2	3,044.78	1/2	2,657.48		
3/4		3/4		3/4	5,267.72	3/4	4,924.85	3/4	4,573.98	3/4	4,198.61	3/4	3,811.32	3/4	3,424.01	3/4	3,036.71	3/4	2,649.41		
7	7	7	7	7	7	7	4,917.81	7	4,566.43	7	4,190.55	7	3,803.25	7	3,415.95	7	3,028.64	7	2,641.34		
1/4		1/4		1/4		1/4	5,256.66	1/4	4,910.72	1/4	4,558.83	1/4	4,182.48	1/4	3,795.18	1/4	3,407.88	1/4	3,020.57	1/4	2,633.27
1/2		1/2		1/2		1/2	5,250.32	1/2	4,903.63	1/2	4,551.24	1/2	4,174.41	1/2	3,787.11	1/2	3,399.81	1/2	3,012.51	1/2	2,625.20
3/4		3/4		3/4		3/4	5,243.99	3/4	4,896.54	3/4	4,543.65	3/4	4,166.34	3/4	3,779.04	3/4	3,391.74	3/4	3,004.44	3/4	2,617.13
8	8	8	8	8	8	8	5,237.65	8	4,889.45	8	4,536.05	8	4,158.27	8	3,770.97	8	3,383.67	8	2,996.37	8	2,609.07
1/4		1/4		1/4		1/4	5,230.00	1/4	4,882.32	1/4	4,528.42	1/4	4,150.21	1/4	3,762.90	1/4	3,375.60	1/4	2,988.30	1/4	2,601.00
1/2		1/2		1/2		1/2	5,222.35	1/2	4,875.19	1/2	4,520.78	1/2	4,142.14	1/2	3,754.83	1/2	3,367.53	1/2	2,980.23	1/2	2,592.93
3/4		3/4		3/4		3/4	5,214.70	3/4	4,868.06	3/4	4,513.15	3/4	4,134.07	3/4	3,746.77	3/4	3,359.46	3/4	2,972.16	3/4	2,584.86
9	9	9	9	9	9	9	5,207.06	9	4,860.92	9	4,505.51	9	4,126.00	9	3,738.70	9	3,351.39	9	2,964.09	9	2,576.79
1/4		1/4		1/4		1/4	5,199.11	1/4	4,853.75	1/4	4,497.83	1/4	4,117.93	1/4	3,730.63	1/4	3,343.33	1/4	2,956.02	1/4	2,568.72
1/2		1/2		1/2		1/2	5,191.15	1/2	4,846.58	1/2	4,490.16	1/2	4,109.86	1/2	3,722.56	1/2	3,335.26	1/2	2,947.95	1/2	2,560.65
3/4		3/4		3/4		3/4	5,183.20	3/4	4,839.40	3/4	4,482.48	3/4	4,101.79	3/4	3,714.49	3/4	3,327.19	3/4	2,939.89	3/4	2,552.58
10	10	10	10	10	10	10	5,175.25	10	4,832.23	10	4,474.80	10	4,093.72	10	3,706.42	10	3,319.12	10	2,931.82	10	2,544.51
1/4		1/4		1/4		1/4	5,167.30	1/4	4,825.02	1/4	4,467.08	1/4	4,085.66	1/4	3,698.35	1/4	3,311.05	1/4	2,923.75	1/4	2,536.44
1/2		1/2		1/2		1/2	5,159.35	1/2	4,817.80	1/2	4,459.36	1/2	4,077.59	1/2	3,690.28	1/2	3,302.98	1/2	2,915.68	1/2	2,528.37
3/4		3/4		3/4		3/4	5,151.40	3/4	4,810.58	3/4	4,451.64	3/4	4,069.52	3/4	3,682.22	3/4	3,294.91	3/4	2,907.61	3/4	2,520.29
11	11	11	11	11	11	11	5,143.45	11	4,803.37	11	4,443.92	11	4,061.45	11	3,674.15	11	3,286.84	11	2,899.54	11	2,512.22
1/4		1/4		1/4		1/4	5,135.50	1/4	4,796.11	1/4	4,436.16	1/4	4,053.38	1/4	3,666.08	1/4	3,278.78	1/4	2,891.47	1/4	2,504.15
1/2		1/2		1/2		1/2	5,127.55	1/2	4,788.85	1/2	4,428.40	1/2	4,045.31	1/2	3,658.01	1/2	3,270.71	1/2	2,883.40	1/2	2,496.07
3/4		3/4		3/4		3/4	5,119.60	3/4	4,781.60	3/4	4,420.64	3/4	4,037.24	3/4	3,649.94	3/4	3,262.64	3/4	2,875.34	3/4	2,488.00

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29067"

2 PORT 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	2,479.93	0	2,092.41	0	1,704.90	0	1,317.39	0	929.87	0	557.05	0	169.91	0		0			
1/4	2,471.85	1/4	2,084.34	1/4	1,696.83	1/4	1,309.31	1/4	922.03	1/4	549.06	1/4	161.84	1/4		1/4			
1/2	2,463.78	1/2	2,076.27	1/2	1,688.75	1/2	1,301.24	1/2	914.19	1/2	541.07	1/2	153.76	1/2		1/2			
3/4	2,455.71	3/4	2,068.19	3/4	1,680.68	3/4	1,293.17	3/4	906.35	3/4	533.07	3/4	145.69	3/4		3/4			
1	2,447.63	1	2,060.12	1	1,672.61	1	1,285.09	1	898.51	1	525.08	1	137.62	1		1			
1/4	2,439.56	1/4	2,052.05	1/4	1,664.53	1/4	1,277.02	1/4	890.75	1/4	517.01	1/4	129.54	1/4		1/4			
1/2	2,431.49	1/2	2,043.97	1/2	1,656.46	1/2	1,268.95	1/2	882.99	1/2	508.94	1/2	121.47	1/2		1/2			
3/4	2,423.41	3/4	2,035.90	3/4	1,648.39	3/4	1,260.87	3/4	875.23	3/4	500.87	3/4	113.40	3/4		3/4			
2	2,415.34	2	2,027.83	2	1,640.31	2	1,252.80	2	867.47	2	492.80	2	105.32	2		2			
1/4	2,407.27	1/4	2,019.75	1/4	1,632.24	1/4	1,244.73	1/4	859.70	1/4	484.73	1/4	97.25	1/4		1/4			
1/2	2,399.19	1/2	2,011.68	1/2	1,624.17	1/2	1,236.65	1/2	851.94	1/2	476.66	1/2	89.18	1/2		1/2			
3/4	2,391.12	3/4	2,003.61	3/4	1,616.09	3/4	1,228.58	3/4	844.18	3/4	468.59	3/4	81.10	3/4		3/4			
3	2,383.05	3	1,995.53	3	1,608.02	3	1,220.51	3	836.42	3	460.52	3	73.03	3		3			
1/4	2,374.97	1/4	1,987.46	1/4	1,599.95	1/4	1,212.43	1/4	828.66	1/4	452.45	1/4	65.71	1/4		1/4			
1/2	2,366.90	1/2	1,979.39	1/2	1,591.87	1/2	1,204.36	1/2	820.90	1/2	444.38	1/2	58.40	1/2		1/2			
3/4	2,358.83	3/4	1,971.31	3/4	1,583.80	3/4	1,196.29	3/4	813.13	3/4	436.32	3/4	51.08	3/4		3/4			
4	2,350.76	4	1,963.24	4	1,575.73	4	1,188.21	4	805.37	4	428.25	4	43.76	4		4			
1/4	2,342.68	1/4	1,955.17	1/4	1,567.65	1/4	1,180.14	1/4	797.61	1/4	420.17	1/4	38.21	1/4		1/4			
1/2	2,334.61	1/2	1,947.10	1/2	1,559.58	1/2	1,172.07	1/2	789.85	1/2	412.10	1/2	32.66	1/2		1/2			
3/4	2,326.54	3/4	1,939.02	3/4	1,551.51	3/4	1,163.99	3/4	782.09	3/4	404.03	3/4	27.11	3/4		3/4			
5	2,318.46	5	1,930.95	5	1,543.44	5	1,155.92	5	774.33	5	395.96	5	21.56	5		5			
1/4	2,310.39	1/4	1,922.88	1/4	1,535.36	1/4	1,147.85	1/4	766.56	1/4	387.89	1/4		1/4		1/4			
1/2	2,302.32	1/2	1,914.80	1/2	1,527.29	1/2	1,139.78	1/2	758.80	1/2	379.81	1/2		1/2		1/2			
3/4	2,294.24	3/4	1,906.73	3/4	1,519.22	3/4	1,131.70	3/4	751.04	3/4	371.74	3/4		3/4		3/4			
6	2,286.17	6	1,898.66	6	1,511.14	6	1,123.63	6	743.28	6	363.67	6		6		6			
1/4	2,278.10	1/4	1,890.58	1/4	1,503.07	1/4	1,115.56	1/4	735.52	1/4	355.59	1/4		1/4		1/4			
1/2	2,270.02	1/2	1,882.51	1/2	1,495.00	1/2	1,107.48	1/2	727.76	1/2	347.52	1/2		1/2		1/2			
3/4	2,261.95	3/4	1,874.44	3/4	1,486.92	3/4	1,099.41	3/4	719.99	3/4	339.45	3/4		3/4		3/4			
7	2,253.88	7	1,866.36	7	1,478.85	7	1,091.34	7	712.23	7	331.37	7		7		7			
1/4	2,245.80	1/4	1,858.29	1/4	1,470.78	1/4	1,083.26	1/4	704.47	1/4	323.30	1/4		1/4		1/4			
1/2	2,237.73	1/2	1,850.22	1/2	1,462.70	1/2	1,075.19	1/2	696.71	1/2	315.23	1/2		1/2		1/2			
3/4	2,229.66	3/4	1,842.14	3/4	1,454.63	3/4	1,067.12	3/4	688.95	3/4	307.15	3/4		3/4		3/4			
8	2,221.58	8	1,834.07	8	1,446.56	8	1,059.04	8	681.19	8	299.08	8		8		8			
1/4	2,213.51	1/4	1,826.00	1/4	1,438.48	1/4	1,050.97	1/4	673.43	1/4	291.01	1/4		1/4		1/4			
1/2	2,205.44	1/2	1,817.92	1/2	1,430.41	1/2	1,042.90	1/2	665.67	1/2	282.93	1/2		1/2		1/2			
3/4	2,197.36	3/4	1,809.85	3/4	1,422.34	3/4	1,034.82	3/4	657.91	3/4	274.86	3/4		3/4		3/4			
9	2,189.29	9	1,801.78	9	1,414.26	9	1,026.75	9	650.15	9	266.79	9		9		9			
1/4	2,181.22	1/4	1,793.70	1/4	1,406.19	1/4	1,018.68	1/4	642.39	1/4	258.71	1/4		1/4		1/4			
1/2	2,173.14	1/2	1,785.63	1/2	1,398.12	1/2	1,010.60	1/2	634.63	1/2	250.64	1/2		1/2		1/2			
3/4	2,165.07	3/4	1,777.56	3/4	1,390.04	3/4	1,002.53	3/4	626.87	3/4	242.57	3/4		3/4		3/4			
10	2,157.00	10	1,769.48	10	1,381.97	10	994.46	10	619.12	10	234.49	10		10		10			
1/4	2,148.93	1/4	1,761.41	1/4	1,373.90	1/4	986.38	1/4	611.36	1/4	226.42	1/4		1/4		1/4			
1/2	2,140.85	1/2	1,753.34	1/2	1,365.82	1/2	978.31	1/2	603.60	1/2	218.35	1/2		1/2		1/2			
3/4	2,132.78	3/4	1,745.27	3/4	1,357.75	3/4	970.24	3/4	595.84	3/4	210.28	3/4		3/4		3/4			
11	2,124.71	11	1,737.19	11	1,349.68	11	962.16	11	588.08	11	202.20	11		11		11			
1/4	2,116.63	1/4	1,729.12	1/4	1,341.61	1/4	954.09	1/4	580.32	1/4	194.13	1/4		1/4		1/4			
1/2	2,108.56	1/2	1,721.05	1/2	1,333.53	1/2	946.02	1/2	572.57	1/2	186.06	1/2		1/2		1/2			
3/4	2,100.49	3/4	1,712.97	3/4	1,325.46	3/4	937.95	3/4	564.81	3/4	177.98	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/10/2018 SW
CALCULATED: 01/10/2018 CL
PRINTED: 01/10/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2018

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



BARGE "KIRBY 29067"

2 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		5,136.17	0	4,798.32	0	4,436.22	0	4,051.82	0	3,663.77	0	3,275.73	0	2,887.69
1/4		1/4		1/4		1/4	5,129.13	1/4	4,791.01	1/4	4,428.40	1/4	4,043.73	1/4	3,655.69	1/4	3,267.65	1/4	2,879.61
1/2		1/2		1/2		1/2	5,122.10	1/2	4,783.70	1/2	4,420.58	1/2	4,035.65	1/2	3,647.61	1/2	3,259.56	1/2	2,871.52
3/4		3/4		3/4		3/4	5,115.07	3/4	4,776.38	3/4	4,412.77	3/4	4,027.56	3/4	3,639.52	3/4	3,251.48	3/4	2,863.44
1	1		1		1		5,108.04	1	4,769.07	1	4,404.95	1	4,019.48	1	3,631.44	1	3,243.40	1	2,855.35
1/4		1/4		1/4		1/4	5,101.29	1/4	4,761.72	1/4	4,397.09	1/4	4,011.39	1/4	3,623.35	1/4	3,235.31	1/4	2,847.27
1/2		1/2		1/2		1/2	5,094.53	1/2	4,754.36	1/2	4,389.23	1/2	4,003.31	1/2	3,615.27	1/2	3,227.23	1/2	2,839.19
3/4		3/4		3/4		3/4	5,087.78	3/4	4,747.01	3/4	4,381.37	3/4	3,995.23	3/4	3,607.18	3/4	3,219.14	3/4	2,831.10
2	2		2		2		5,081.03	2	4,739.66	2	4,373.51	2	3,987.14	2	3,599.10	2	3,211.06	2	2,823.02
1/4		1/4		1/4		1/4	5,074.23	1/4	4,732.26	1/4	4,365.61	1/4	3,979.06	1/4	3,591.02	1/4	3,202.97	1/4	2,814.93
1/2		1/2		1/2		1/2	5,067.44	1/2	4,724.86	1/2	4,357.70	1/2	3,970.97	1/2	3,582.93	1/2	3,194.89	1/2	2,806.85
3/4		3/4		3/4		3/4	5,060.64	3/4	4,717.47	3/4	4,349.80	3/4	3,962.89	3/4	3,574.85	3/4	3,186.81	3/4	2,798.76
3	3		3		3		5,053.85	3	4,710.07	3	4,341.90	3	3,954.80	3	3,566.76	3	3,178.72	3	2,790.68
1/4		1/4		1/4		1/4	5,046.94	1/4	4,702.63	1/4	4,333.94	1/4	3,946.72	1/4	3,558.68	1/4	3,170.64	1/4	2,782.60
1/2		1/2		1/2		1/2	5,040.03	1/2	4,695.20	1/2	4,325.97	1/2	3,938.64	1/2	3,550.59	1/2	3,162.55	1/2	2,774.51
3/4		3/4		3/4		3/4	5,033.13	3/4	4,687.76	3/4	4,318.01	3/4	3,930.55	3/4	3,542.51	3/4	3,154.47	3/4	2,766.43
4	4		4		4		5,026.22	4	4,680.32	4	4,310.05	4	3,922.47	4	3,534.43	4	3,146.38	4	2,758.34
1/4		1/4		1/4		1/4	5,019.24	1/4	4,672.84	1/4	4,302.04	1/4	3,914.38	1/4	3,526.34	1/4	3,138.30	1/4	2,750.26
1/2		1/2		1/2		1/2	5,012.27	1/2	4,665.36	1/2	4,294.03	1/2	3,906.30	1/2	3,518.26	1/2	3,130.22	1/2	2,742.17
3/4		3/4		3/4		3/4	5,005.29	3/4	4,657.88	3/4	4,286.02	3/4	3,898.22	3/4	3,510.17	3/4	3,122.13	3/4	2,734.09
5	5		5		5		4,998.32	5	4,650.40	5	4,278.01	5	3,890.13	5	3,502.09	5	3,114.05	5	2,726.01
1/4		1/4		1/4		1/4	4,991.30	1/4	4,642.88	1/4	4,269.96	1/4	3,882.05	1/4	3,494.01	1/4	3,105.96	1/4	2,717.92
1/2		1/2		1/2		1/2	4,984.29	1/2	4,635.35	1/2	4,261.90	1/2	3,873.96	1/2	3,485.92	1/2	3,097.88	1/2	2,709.84
3/4		3/4		3/4		3/4	4,977.27	3/4	4,627.83	3/4	4,253.85	3/4	3,865.88	3/4	3,477.84	3/4	3,089.80	3/4	2,701.75
6	6		6		6		4,970.26	6	4,620.31	6	4,245.80	6	3,857.79	6	3,469.75	6	3,081.71	6	2,693.67
1/4		1/4		1/4		1/4	4,963.20	1/4	4,612.74	1/4	4,237.72	1/4	3,849.71	1/4	3,461.67	1/4	3,073.63	1/4	2,685.59
1/2		1/2		1/2		1/2	4,956.14	1/2	4,605.18	1/2	4,229.65	1/2	3,841.63	1/2	3,453.58	1/2	3,065.54	1/2	2,677.50
3/4		3/4		3/4		3/4	5,292.52	3/4	4,949.08	3/4	4,597.61	3/4	4,221.57	3/4	3,833.54	3/4	3,445.50	3/4	3,057.46
7	7		7		7		4,942.02	7	4,590.05	7	4,213.50	7	3,825.46	7	3,437.42	7	3,049.37	7	2,661.33
1/4		1/4		1/4		1/4	5,281.45	1/4	4,934.92	1/4	4,582.44	1/4	4,205.42	1/4	3,817.37	1/4	3,429.33	1/4	3,041.29
1/2		1/2		1/2		1/2	5,275.10	1/2	4,927.82	1/2	4,574.83	1/2	4,197.33	1/2	3,809.29	1/2	3,421.25	1/2	3,033.21
3/4		3/4		3/4		3/4	5,268.75	3/4	4,920.72	3/4	4,567.23	3/4	4,189.25	3/4	3,801.21	3/4	3,413.16	3/4	3,025.12
8	8		8		8		5,262.40	8	4,913.62	8	4,559.62	8	4,181.16	8	3,793.12	8	3,405.08	8	3,017.04
1/4		1/4		1/4		1/4	5,254.74	1/4	4,906.48	1/4	4,551.97	1/4	4,173.08	1/4	3,785.04	1/4	3,397.00	1/4	3,008.95
1/2		1/2		1/2		1/2	5,247.08	1/2	4,899.33	1/2	4,544.32	1/2	4,164.99	1/2	3,776.95	1/2	3,388.91	1/2	3,000.87
3/4		3/4		3/4		3/4	5,239.41	3/4	4,892.19	3/4	4,536.67	3/4	4,156.91	3/4	3,768.87	3/4	3,380.83	3/4	2,992.79
9	9		9		9		5,231.75	9	4,885.05	9	4,529.02	9	4,148.83	9	3,760.78	9	3,372.74	9	2,984.70
1/4		1/4		1/4		1/4	5,223.79	1/4	4,877.86	1/4	4,521.33	1/4	4,140.74	1/4	3,752.70	1/4	3,364.66	1/4	2,976.62
1/2		1/2		1/2		1/2	5,215.82	1/2	4,870.68	1/2	4,513.64	1/2	4,132.66	1/2	3,744.62	1/2	3,356.57	1/2	2,968.53
3/4		3/4		3/4		3/4	5,207.86	3/4	4,863.49	3/4	4,505.95	3/4	4,124.57	3/4	3,736.53	3/4	3,348.49	3/4	2,960.45
10	10		10		10		5,199.89	10	4,856.31	10	4,498.26	10	4,116.49	10	3,728.45	10	3,340.41	10	2,952.36
1/4		1/4		1/4		1/4	5,191.92	1/4	4,849.08	1/4	4,490.52	1/4	4,108.40	1/4	3,720.36	1/4	3,332.32	1/4	2,944.28
1/2		1/2		1/2		1/2	5,183.96	1/2	4,841.85	1/2	4,482.79	1/2	4,100.32	1/2	3,712.28	1/2	3,324.24	1/2	2,936.20
3/4		3/4		3/4		3/4	5,175.99	3/4	4,834.62	3/4	4,475.06	3/4	4,092.24	3/4	3,704.19	3/4	3,316.15	3/4	2,928.11
11	11		11		11		5,168.03	11	4,827.40	11	4,467.32	11	4,084.15	11	3,696.11	11	3,308.07	11	2,920.03
1/4		1/4		1/4		1/4	5,160.06	1/4	4,820.13	1/4	4,459.55	1/4	4,076.07	1/4	3,688.03	1/4	3,299.98	1/4	2,911.94
1/2		1/2		1/2		1/2	5,152.10	1/2	4,812.86	1/2	4,451.77	1/2	4,067.98	1/2	3,679.94	1/2	3,291.90	1/2	2,903.86
3/4		3/4		3/4		3/4	5,144.13	3/4	4,805.59	3/4	4,444.00	3/4	4,059.90	3/4	3,671.86	3/4	3,283.82	3/4	2,895.77

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29067"

**2 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	2,499.61	0	2,111.36	0	1,723.11	0	1,334.86	0	946.62	0	558.42	0	170.23	0		0		0	
1/4	2,491.52	1/4	2,103.27	1/4	1,715.02	1/4	1,326.78	1/4	938.53	1/4	550.34	1/4	162.14	1/4		1/4		1/4	
1/2	2,483.43	1/2	2,095.18	1/2	1,706.93	1/2	1,318.69	1/2	930.44	1/2	542.25	1/2	154.06	1/2		1/2		1/2	
3/4	2,475.34	3/4	2,087.09	3/4	1,698.85	3/4	1,310.60	3/4	922.35	3/4	534.16	3/4	145.97	3/4		3/4		3/4	
1	2,467.25	1	2,079.01	1	1,690.76	1	1,302.51	1	914.26	1	526.08	1	137.88	1		1		1	
1/4	2,459.17	1/4	2,070.92	1/4	1,682.67	1/4	1,294.42	1/4	906.17	1/4	517.99	1/4	129.79	1/4		1/4		1/4	
1/2	2,451.08	1/2	2,062.83	1/2	1,674.58	1/2	1,286.33	1/2	898.08	1/2	509.91	1/2	121.70	1/2		1/2		1/2	
3/4	2,442.99	3/4	2,054.74	3/4	1,666.49	3/4	1,278.24	3/4	890.00	3/4	501.82	3/4	113.61	3/4		3/4		3/4	
2	2,434.90	2	2,046.65	2	1,658.40	2	1,270.16	2	881.91	2	493.74	2	105.52	2		2		2	
1/4	2,426.81	1/4	2,038.56	1/4	1,650.32	1/4	1,262.07	1/4	873.82	1/4	485.65	1/4	97.44	1/4		1/4		1/4	
1/2	2,418.72	1/2	2,030.47	1/2	1,642.23	1/2	1,253.98	1/2	865.73	1/2	477.57	1/2	89.35	1/2		1/2		1/2	
3/4	2,410.63	3/4	2,022.39	3/4	1,634.14	3/4	1,245.89	3/4	857.64	3/4	469.48	3/4	81.26	3/4		3/4		3/4	
3	2,402.55	3	2,014.30	3	1,626.05	3	1,237.80	3	849.55	3	461.40	3	73.17	3		3		3	
1/4	2,394.46	1/4	2,006.21	1/4	1,617.96	1/4	1,229.71	1/4	841.47	1/4	453.31	1/4	65.08	1/4		1/4		1/4	
1/2	2,386.37	1/2	1,998.12	1/2	1,609.87	1/2	1,221.62	1/2	833.38	1/2	445.23	1/2	56.99	1/2		1/2		1/2	
3/4	2,378.28	3/4	1,990.03	3/4	1,601.78	3/4	1,213.54	3/4	825.29	3/4	437.14	3/4	48.90	3/4		3/4		3/4	
4	2,370.19	4	1,981.94	4	1,593.70	4	1,205.45	4	817.20	4	429.06	4	40.81	4		4		4	
1/4	2,362.10	1/4	1,973.86	1/4	1,585.61	1/4	1,197.36	1/4	809.11	1/4	420.97	1/4	32.72	1/4		1/4		1/4	
1/2	2,354.01	1/2	1,965.77	1/2	1,577.52	1/2	1,189.27	1/2	801.02	1/2	412.88	1/2	24.63	1/2		1/2		1/2	
3/4	2,345.93	3/4	1,957.68	3/4	1,569.43	3/4	1,181.18	3/4	792.93	3/4	404.80	3/4	16.54	3/4		3/4		3/4	
5	2,337.84	5	1,949.59	5	1,561.34	5	1,173.09	5	784.85	5	396.71	5	8.45	5		5		5	
1/4	2,329.75	1/4	1,941.50	1/4	1,553.25	1/4	1,165.01	1/4	776.76	1/4	388.62	1/4		1/4		1/4		1/4	
1/2	2,321.66	1/2	1,933.41	1/2	1,545.16	1/2	1,156.92	1/2	768.67	1/2	380.53	1/2		1/2		1/2		1/2	
3/4	2,313.57	3/4	1,925.32	3/4	1,537.08	3/4	1,148.83	3/4	760.58	3/4	372.45	3/4		3/4		3/4		3/4	
6	2,305.48	6	1,917.24	6	1,528.99	6	1,140.74	6	752.49	6	364.36	6		6		6		6	
1/4	2,297.40	1/4	1,909.15	1/4	1,520.90	1/4	1,132.65	1/4	744.40	1/4	356.27	1/4		1/4		1/4		1/4	
1/2	2,289.31	1/2	1,901.06	1/2	1,512.81	1/2	1,124.56	1/2	736.31	1/2	348.18	1/2		1/2		1/2		1/2	
3/4	2,281.22	3/4	1,892.97	3/4	1,504.72	3/4	1,116.47	3/4	728.23	3/4	340.09	3/4		3/4		3/4		3/4	
7	2,273.13	7	1,884.88	7	1,496.63	7	1,108.39	7	720.14	7	332.00	7		7		7		7	
1/4	2,265.04	1/4	1,876.79	1/4	1,488.55	1/4	1,100.30	1/4	712.05	1/4	323.91	1/4		1/4		1/4		1/4	
1/2	2,256.95	1/2	1,868.70	1/2	1,480.46	1/2	1,092.21	1/2	703.96	1/2	315.83	1/2		1/2		1/2		1/2	
3/4	2,248.86	3/4	1,860.62	3/4	1,472.37	3/4	1,084.12	3/4	695.87	3/4	307.74	3/4		3/4		3/4		3/4	
8	2,240.78	8	1,852.53	8	1,464.28	8	1,076.03	8	687.78	8	299.65	8		8		8		8	
1/4	2,232.69	1/4	1,844.44	1/4	1,456.19	1/4	1,067.94	1/4	679.70	1/4	291.56	1/4		1/4		1/4		1/4	
1/2	2,224.60	1/2	1,836.35	1/2	1,448.10	1/2	1,059.85	1/2	671.61	1/2	283.47	1/2		1/2		1/2		1/2	
3/4	2,216.51	3/4	1,828.26	3/4	1,440.01	3/4	1,051.77	3/4	663.53	3/4	275.38	3/4		3/4		3/4		3/4	
9	2,208.42	9	1,820.17	9	1,431.93	9	1,043.68	9	655.44	9	267.29	9		9		9		9	
1/4	2,200.33	1/4	1,812.09	1/4	1,423.84	1/4	1,035.59	1/4	647.36	1/4	259.21	1/4		1/4		1/4		1/4	
1/2	2,192.24	1/2	1,804.00	1/2	1,415.75	1/2	1,027.50	1/2	639.27	1/2	251.12	1/2		1/2		1/2		1/2	
3/4	2,184.16	3/4	1,795.91	3/4	1,407.66	3/4	1,019.41	3/4	631.19	3/4	243.03	3/4		3/4		3/4		3/4	
10	2,176.07	10	1,787.82	10	1,399.57	10	1,011.32	10	623.10	10	234.94	10		10		10		10	
1/4	2,167.98	1/4	1,779.73	1/4	1,391.48	1/4	1,003.24	1/4	615.02	1/4	226.85	1/4		1/4		1/4		1/4	
1/2	2,159.89	1/2	1,771.64	1/2	1,383.39	1/2	995.15	1/2	606.93	1/2	218.76	1/2		1/2		1/2		1/2	
3/4	2,151.80	3/4	1,763.55	3/4	1,375.31	3/4	987.06	3/4	598.85	3/4	210.68	3/4		3/4		3/4		3/4	
11	2,143.71	11	1,755.47	11	1,367.22	11	978.97	11	590.76	11	202.59	11		11		11		11	
1/4	2,135.63	1/4	1,747.38	1/4	1,359.13	1/4	970.88	1/4	582.68	1/4	194.50	1/4		1/4		1/4		1/4	
1/2	2,127.54	1/2	1,739.29	1/2	1,351.04	1/2	962.79	1/2	574.59	1/2	186.41	1/2		1/2		1/2		1/2	
3/4	2,119.45	3/4	1,731.20	3/4	1,342.95	3/4	954.70	3/4	566.51	3/4	178.32	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/10/2018 SW
CALCULATED: 01/10/2018 CL
PRINTED: 01/10/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2018

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



BARGE "KIRBY 29067"

3 PORT 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	0	0	0	4,511.41	0	4,255.11	0	3,980.40	0	3,688.74	0	3,384.81	0	3,025.15	0	2,664.96
1/4		1/4		1/4		1/4	4,506.08	1/4	4,249.56	1/4	3,974.47	1/4	3,682.61	1/4	3,377.31	1/4	3,017.65	1/4	2,657.45
1/2		1/2		1/2		1/2	4,500.74	1/2	4,244.01	1/2	3,968.54	1/2	3,676.48	1/2	3,369.82	1/2	3,010.14	1/2	2,649.95
3/4		3/4		3/4		3/4	4,495.41	3/4	4,238.47	3/4	3,962.61	3/4	3,670.34	3/4	3,362.33	3/4	3,002.64	3/4	2,642.44
1	1	1	1	1	1	1	4,490.07	1	4,232.92	1	3,956.67	1	3,664.21	1	3,354.84	1	2,995.14	1	2,634.94
1/4		1/4		1/4		1/4	4,484.95	1/4	4,227.34	1/4	3,950.71	1/4	3,658.08	1/4	3,347.35	1/4	2,987.63	1/4	2,627.43
1/2		1/2		1/2		1/2	4,479.83	1/2	4,221.76	1/2	3,944.75	1/2	3,651.94	1/2	3,339.86	1/2	2,980.13	1/2	2,619.93
3/4		3/4		3/4		3/4	4,474.71	3/4	4,216.18	3/4	3,938.78	3/4	3,645.81	3/4	3,332.37	3/4	2,972.62	3/4	2,612.43
2	2	2	2	2	2	2	4,469.58	2	4,210.60	2	3,932.82	2	3,639.68	2	3,324.88	2	2,965.12	2	2,604.92
1/4		1/4		1/4		1/4	4,464.43	1/4	4,204.99	1/4	3,926.83	1/4	3,633.54	1/4	3,317.39	1/4	2,957.62	1/4	2,597.42
1/2		1/2		1/2		1/2	4,459.27	1/2	4,199.38	1/2	3,920.83	1/2	3,627.41	1/2	3,309.90	1/2	2,950.11	1/2	2,589.91
3/4		3/4		3/4		3/4	4,454.12	3/4	4,193.77	3/4	3,914.84	3/4	3,621.28	3/4	3,302.41	3/4	2,942.61	3/4	2,582.41
3	3	3	3	3	3	3	4,448.96	3	4,188.16	3	3,908.84	3	3,615.14	3	3,294.92	3	2,935.10	3	2,574.91
1/4		1/4		1/4		1/4	4,443.72	1/4	4,182.52	1/4	3,902.80	1/4	3,609.01	1/4	3,287.44	1/4	2,927.60	1/4	2,567.40
1/2		1/2		1/2		1/2	4,438.48	1/2	4,176.87	1/2	3,896.76	1/2	3,602.88	1/2	3,279.95	1/2	2,920.09	1/2	2,559.90
3/4		3/4		3/4		3/4	4,433.24	3/4	4,171.23	3/4	3,890.72	3/4	3,596.74	3/4	3,272.46	3/4	2,912.59	3/4	2,552.39
4	4	4	4	4	4	4	4,428.00	4	4,165.59	4	3,884.68	4	3,590.61	4	3,264.97	4	2,905.09	4	2,544.89
1/4		1/4		1/4		1/4	4,422.71	1/4	4,159.91	1/4	3,878.60	1/4	3,584.48	1/4	3,257.48	1/4	2,897.58	1/4	2,537.39
1/2		1/2		1/2		1/2	4,417.42	1/2	4,154.24	1/2	3,872.52	1/2	3,578.35	1/2	3,249.99	1/2	2,890.08	1/2	2,529.88
3/4		3/4		3/4		3/4	4,412.13	3/4	4,148.56	3/4	3,866.45	3/4	3,572.21	3/4	3,242.50	3/4	2,882.57	3/4	2,522.38
5	5	5	5	5	5	5	4,406.84	5	4,142.89	5	3,860.37	5	3,566.08	5	3,235.01	5	2,875.07	5	2,514.87
1/4		1/4		1/4		1/4	4,401.51	1/4	4,137.18	1/4	3,854.26	1/4	3,559.95	1/4	3,227.52	1/4	2,867.57	1/4	2,507.37
1/2		1/2		1/2		1/2	4,396.19	1/2	4,131.47	1/2	3,848.15	1/2	3,553.81	1/2	3,220.03	1/2	2,860.06	1/2	2,499.87
3/4		3/4		3/4		3/4	4,390.87	3/4	4,125.76	3/4	3,842.04	3/4	3,547.68	3/4	3,212.54	3/4	2,852.56	3/4	2,492.36
6	6	6	6	6	6	6	4,385.55	6	4,120.06	6	3,835.93	6	3,541.55	6	3,205.06	6	2,845.05	6	2,484.86
1/4		1/4		1/4		1/4	4,380.19	1/4	4,114.32	1/4	3,829.80	1/4	3,535.41	1/4	3,197.57	1/4	2,837.55	1/4	2,477.35
1/2		1/2		1/2		1/2	4,374.84	1/2	4,108.58	1/2	3,823.67	1/2	3,529.28	1/2	3,190.08	1/2	2,830.05	1/2	2,469.85
3/4		3/4		3/4	4,628.16	3/4	4,369.48	3/4	4,102.84	3/4	3,817.54	3/4	3,523.15	3/4	3,182.59	3/4	2,822.54	3/4	2,462.34
7	7	7	7	7	7	7	4,364.13	7	4,097.10	7	3,811.41	7	3,517.01	7	3,175.10	7	2,815.04	7	2,454.84
1/4		1/4		1/4		1/4	4,358.74	1/4	4,091.33	1/4	3,805.28	1/4	3,510.88	1/4	3,167.61	1/4	2,807.53	1/4	2,447.34
1/2		1/2		1/2		1/2	4,353.35	1/2	4,085.56	1/2	3,799.14	1/2	3,504.75	1/2	3,160.12	1/2	2,800.03	1/2	2,439.83
3/4		3/4		3/4		3/4	4,347.96	3/4	4,079.79	3/4	3,793.01	3/4	3,498.62	3/4	3,152.63	3/4	2,792.52	3/4	2,432.33
8	8	8	8	8	8	8	4,342.58	8	4,074.02	8	3,786.88	8	3,492.49	8	3,145.14	8	2,785.02	8	2,424.82
1/4		1/4		1/4		1/4	4,337.16	1/4	4,068.21	1/4	3,780.74	1/4	3,486.36	1/4	3,137.65	1/4	2,777.52	1/4	2,417.32
1/2		1/2		1/2		1/2	4,331.74	1/2	4,062.41	1/2	3,774.61	1/2	3,480.23	1/2	3,130.16	1/2	2,770.01	1/2	2,409.82
3/4		3/4		3/4		3/4	4,326.32	3/4	4,056.61	3/4	3,768.48	3/4	3,474.10	3/4	3,122.68	3/4	2,762.51	3/4	2,402.32
9	9	9	9	9	9	9	4,320.90	9	4,050.80	9	3,762.34	9	3,467.97	9	3,115.19	9	2,755.00	9	2,394.82
1/4		1/4		1/4		1/4	4,315.45	1/4	4,044.97	1/4	3,756.21	1/4	3,461.84	1/4	3,107.69	1/4	2,747.50	1/4	2,387.32
1/2		1/2		1/2		1/2	4,310.00	1/2	4,039.13	1/2	3,750.08	1/2	3,455.71	1/2	3,100.19	1/2	2,740.00	1/2	2,379.81
3/4		3/4		3/4		3/4	4,304.55	3/4	4,033.30	3/4	3,743.94	3/4	3,449.58	3/4	3,092.69	3/4	2,732.49	3/4	2,372.31
10	10	10	10	10	10	10	4,299.10	10	4,027.46	10	3,737.81	10	3,443.45	10	3,085.18	10	2,724.99	10	2,364.81
1/4		1/4		1/4		1/4	4,293.62	1/4	4,021.60	1/4	3,731.68	1/4	3,436.29	1/4	3,077.68	1/4	2,717.48	1/4	2,357.30
1/2		1/2		1/2		1/2	4,288.13	1/2	4,015.73	1/2	3,725.54	1/2	3,429.13	1/2	3,070.18	1/2	2,709.98	1/2	2,349.80
3/4		3/4		3/4		3/4	4,282.65	3/4	4,009.86	3/4	3,719.41	3/4	3,421.97	3/4	3,062.67	3/4	2,702.48	3/4	2,342.29
11	11	11	11	11	11	11	4,277.17	11	4,004.00	11	3,713.28	11	3,414.81	11	3,055.17	11	2,694.97	11	2,334.79
1/4		1/4		1/4		1/4	4,271.65	1/4	3,998.10	1/4	3,707.14	1/4	3,407.31	1/4	3,047.66	1/4	2,687.47	1/4	2,327.29
1/2		1/2		1/2		1/2	4,266.14	1/2	3,992.20	1/2	3,701.01	1/2	3,399.81	1/2	3,040.16	1/2	2,679.96	1/2	2,319.78
3/4		3/4		3/4		3/4	4,260.62	3/4	3,986.30	3/4	3,694.88	3/4	3,392.31	3/4	3,032.66	3/4	2,672.46	3/4	2,312.28

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 39'-06" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29067"

3 PORT 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	2,304.77	0	1,944.24	0	1,586.26	0	1,226.17	0	865.95	0	518.57	0	158.34	0		0		0	
1/4	2,297.27	1/4	1,936.75	1/4	1,578.79	1/4	1,218.66	1/4	858.64	1/4	511.13	1/4	150.82	1/4		1/4		1/4	
1/2	2,289.76	1/2	1,929.26	1/2	1,571.32	1/2	1,211.15	1/2	851.34	1/2	503.69	1/2	143.30	1/2		1/2		1/2	
3/4	2,282.26	3/4	1,921.77	3/4	1,563.85	3/4	1,203.65	3/4	844.04	3/4	496.25	3/4	135.79	3/4		3/4		3/4	
1	2,274.75	1	1,914.28	1	1,556.38	1	1,196.14	1	836.74	1	488.81	1	128.27	1		1		1	
1/4	2,267.24	1/4	1,906.82	1/4	1,548.88	1/4	1,188.64	1/4	829.51	1/4	481.31	1/4	120.75	1/4		1/4		1/4	
1/2	2,259.73	1/2	1,899.36	1/2	1,541.38	1/2	1,181.13	1/2	822.27	1/2	473.80	1/2	113.23	1/2		1/2		1/2	
3/4	2,252.23	3/4	1,891.90	3/4	1,533.88	3/4	1,173.63	3/4	815.04	3/4	466.29	3/4	105.70	3/4		3/4		3/4	
2	2,244.72	2	1,884.44	2	1,526.39	2	1,166.12	2	807.81	2	458.78	2	98.18	2		2		2	
1/4	2,237.21	1/4	1,876.98	1/4	1,518.88	1/4	1,158.62	1/4	800.58	1/4	451.27	1/4	90.66	1/4		1/4		1/4	
1/2	2,229.70	1/2	1,869.53	1/2	1,511.37	1/2	1,151.11	1/2	793.34	1/2	443.76	1/2	83.13	1/2		1/2		1/2	
3/4	2,222.19	3/4	1,862.07	3/4	1,503.87	3/4	1,143.61	3/4	786.11	3/4	436.25	3/4	75.61	3/4		3/4		3/4	
3	2,214.68	3	1,854.62	3	1,496.36	3	1,136.10	3	778.88	3	428.75	3	68.09	3		3		3	
1/4	2,207.16	1/4	1,847.16	1/4	1,488.86	1/4	1,128.60	1/4	771.65	1/4	421.24	1/4	61.27	1/4		1/4		1/4	
1/2	2,199.65	1/2	1,839.71	1/2	1,481.35	1/2	1,121.09	1/2	764.41	1/2	413.73	1/2	54.45	1/2		1/2		1/2	
3/4	2,192.14	3/4	1,832.26	3/4	1,473.85	3/4	1,113.59	3/4	757.18	3/4	406.22	3/4	47.63	3/4		3/4		3/4	
4	2,184.63	4	1,824.80	4	1,466.34	4	1,106.08	4	749.95	4	398.71	4	40.81	4		4		4	
1/4	2,177.12	1/4	1,817.35	1/4	1,458.84	1/4	1,098.58	1/4	742.72	1/4	391.20	1/4	35.64	1/4		1/4		1/4	
1/2	2,169.60	1/2	1,809.89	1/2	1,451.33	1/2	1,091.08	1/2	735.49	1/2	383.69	1/2	30.47	1/2		1/2		1/2	
3/4	2,162.09	3/4	1,802.44	3/4	1,443.83	3/4	1,083.57	3/4	728.25	3/4	376.18	3/4	25.29	3/4		3/4		3/4	
5	2,154.58	5	1,794.98	5	1,436.32	5	1,076.07	5	721.02	5	368.67	5	20.12	5		5		5	
1/4	2,147.07	1/4	1,787.53	1/4	1,428.81	1/4	1,068.57	1/4	713.79	1/4	361.16	1/4		1/4		1/4		1/4	
1/2	2,139.56	1/2	1,780.07	1/2	1,421.31	1/2	1,061.06	1/2	706.56	1/2	353.64	1/2		1/2		1/2		1/2	
3/4	2,132.04	3/4	1,772.62	3/4	1,413.80	3/4	1,053.56	3/4	699.32	3/4	346.13	3/4		3/4		3/4		3/4	
6	2,124.53	6	1,765.17	6	1,406.30	6	1,046.06	6	692.09	6	338.62	6		6		6		6	
1/4	2,117.02	1/4	1,757.71	1/4	1,398.79	1/4	1,038.55	1/4	684.86	1/4	331.11	1/4		1/4		1/4		1/4	
1/2	2,109.51	1/2	1,750.26	1/2	1,391.29	1/2	1,031.05	1/2	677.63	1/2	323.60	1/2		1/2		1/2		1/2	
3/4	2,102.00	3/4	1,742.80	3/4	1,383.78	3/4	1,023.55	3/4	670.40	3/4	316.08	3/4		3/4		3/4		3/4	
7	2,094.48	7	1,735.35	7	1,376.28	7	1,016.04	7	663.16	7	308.57	7		7		7		7	
1/4	2,086.97	1/4	1,727.89	1/4	1,368.77	1/4	1,008.54	1/4	655.93	1/4	301.06	1/4		1/4		1/4		1/4	
1/2	2,079.46	1/2	1,720.44	1/2	1,361.26	1/2	1,001.03	1/2	648.70	1/2	293.55	1/2		1/2		1/2		1/2	
3/4	2,071.95	3/4	1,712.98	3/4	1,353.76	3/4	993.53	3/4	641.47	3/4	286.04	3/4		3/4		3/4		3/4	
8	2,064.44	8	1,705.53	8	1,346.25	8	986.03	8	634.23	8	278.52	8		8		8		8	
1/4	2,056.92	1/4	1,698.08	1/4	1,338.75	1/4	978.52	1/4	627.00	1/4	271.01	1/4		1/4		1/4		1/4	
1/2	2,049.41	1/2	1,690.62	1/2	1,331.24	1/2	971.02	1/2	619.77	1/2	263.50	1/2		1/2		1/2		1/2	
3/4	2,041.90	3/4	1,683.17	3/4	1,323.74	3/4	963.52	3/4	612.54	3/4	255.99	3/4		3/4		3/4		3/4	
9	2,034.39	9	1,675.71	9	1,316.23	9	956.01	9	605.31	9	248.48	9		9		9		9	
1/4	2,026.88	1/4	1,668.26	1/4	1,308.73	1/4	948.51	1/4	598.09	1/4	240.96	1/4		1/4		1/4		1/4	
1/2	2,019.36	1/2	1,660.80	1/2	1,301.22	1/2	941.01	1/2	590.86	1/2	233.45	1/2		1/2		1/2		1/2	
3/4	2,011.85	3/4	1,653.35	3/4	1,293.72	3/4	933.50	3/4	583.63	3/4	225.94	3/4		3/4		3/4		3/4	
10	2,004.34	10	1,645.90	10	1,286.21	10	926.00	10	576.40	10	218.43	10		10		10		10	
1/4	1,996.83	1/4	1,638.44	1/4	1,278.70	1/4	918.50	1/4	569.17	1/4	210.92	1/4		1/4		1/4		1/4	
1/2	1,989.32	1/2	1,630.99	1/2	1,271.20	1/2	910.99	1/2	561.94	1/2	203.41	1/2		1/2		1/2		1/2	
3/4	1,981.80	3/4	1,623.53	3/4	1,263.69	3/4	903.49	3/4	554.71	3/4	195.90	3/4		3/4		3/4		3/4	
11	1,974.29	11	1,616.08	11	1,256.19	11	895.99	11	547.48	11	188.38	11		11		11		11	
1/4	1,966.78	1/4	1,608.62	1/4	1,248.68	1/4	888.48	1/4	540.25	1/4	180.87	1/4		1/4		1/4		1/4	
1/2	1,959.27	1/2	1,601.17	1/2	1,241.18	1/2	880.97	1/2	533.03	1/2	173.36	1/2		1/2		1/2		1/2	
3/4	1,951.76	3/4	1,593.71	3/4	1,233.67	3/4	873.46	3/4	525.80	3/4	165.85	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/10/2018 SW
CALCULATED: 01/10/2018 CL
PRINTED: 01/10/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29067"

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	0	0	0	4,526.99	0	4,271.00	0	3,996.63	0	3,705.36	0	3,401.82	0	3,042.07	0	2,681.77		
1/4		1/4		1/4		1/4	4,521.66	1/4	4,265.46	1/4	3,990.71	1/4	3,699.23	1/4	3,394.32	1/4	3,034.57	1/4	2,674.27		
1/2		1/2		1/2		1/2	4,516.34	1/2	4,259.92	1/2	3,984.79	1/2	3,693.11	1/2	3,386.83	1/2	3,027.06	1/2	2,666.76		
3/4		3/4		3/4		3/4	4,511.01	3/4	4,254.38	3/4	3,978.86	3/4	3,686.98	3/4	3,379.34	3/4	3,019.55	3/4	2,659.26		
1	1	1	1	1	1	1	4,505.68	1	4,248.84	1	3,972.94	1	3,680.86	1	3,371.85	1	3,012.05	1	2,651.75		
1/4		1/4		1/4		1/4	4,500.56	1/4	4,243.26	1/4	3,966.98	1/4	3,674.73	1/4	3,364.36	1/4	3,004.54	1/4	2,644.24		
1/2		1/2		1/2		1/2	4,495.45	1/2	4,237.69	1/2	3,961.03	1/2	3,668.61	1/2	3,356.87	1/2	2,997.03	1/2	2,636.74		
3/4		3/4		3/4		3/4	4,490.33	3/4	4,232.12	3/4	3,955.07	3/4	3,662.48	3/4	3,349.38	3/4	2,989.53	3/4	2,629.23		
2	2	2	2	2	2	2	4,485.21	2	4,226.55	2	3,949.12	2	3,656.36	2	3,341.89	2	2,982.02	2	2,621.72		
1/4		1/4		1/4		1/4	4,480.06	1/4	4,220.94	1/4	3,943.13	1/4	3,650.23	1/4	3,334.39	1/4	2,974.52	1/4	2,614.22		
1/2		1/2		1/2		1/2	4,474.92	1/2	4,215.34	1/2	3,937.14	1/2	3,644.10	1/2	3,326.90	1/2	2,967.01	1/2	2,606.71		
3/4		3/4		3/4		3/4	4,469.77	3/4	4,209.73	3/4	3,931.15	3/4	3,637.98	3/4	3,319.41	3/4	2,959.50	3/4	2,599.21		
3	3	3	3	3	3	3	4,464.62	3	4,204.13	3	3,925.17	3	3,631.85	3	3,311.92	3	2,952.00	3	2,591.70		
1/4		1/4		1/4		1/4	4,459.38	1/4	4,198.49	1/4	3,919.13	1/4	3,625.73	1/4	3,304.43	1/4	2,944.49	1/4	2,584.19		
1/2		1/2		1/2		1/2	4,454.15	1/2	4,192.86	1/2	3,913.10	1/2	3,619.60	1/2	3,296.94	1/2	2,936.98	1/2	2,576.69		
3/4		3/4		3/4		3/4	4,448.91	3/4	4,187.22	3/4	3,907.07	3/4	3,613.48	3/4	3,289.45	3/4	2,929.48	3/4	2,569.18		
4	4	4	4	4	4	4	4,443.68	4	4,181.59	4	3,901.03	4	3,607.35	4	3,281.96	4	2,921.97	4	2,561.67		
1/4		1/4		1/4		1/4	4,438.40	1/4	4,175.92	1/4	3,894.96	1/4	3,601.23	1/4	3,274.46	1/4	2,914.47	1/4	2,554.17		
1/2		1/2		1/2		1/2	4,433.11	1/2	4,170.25	1/2	3,888.90	1/2	3,595.10	1/2	3,266.97	1/2	2,906.96	1/2	2,546.66		
3/4		3/4		3/4		3/4	4,427.83	3/4	4,164.58	3/4	3,882.83	3/4	3,588.97	3/4	3,259.48	3/4	2,899.45	3/4	2,539.16		
5	5	5	5	5	5	5	4,422.54	5	4,158.92	5	3,876.76	5	3,582.85	5	3,251.99	5	2,891.95	5	2,531.65		
1/4		1/4		1/4		1/4	4,417.23	1/4	4,153.22	1/4	3,870.65	1/4	3,576.72	1/4	3,244.50	1/4	2,884.44	1/4	2,524.14		
1/2		1/2		1/2		1/2	4,411.91	1/2	4,147.52	1/2	3,864.55	1/2	3,570.60	1/2	3,237.01	1/2	2,876.93	1/2	2,516.64		
3/4		3/4		3/4		3/4	4,406.59	3/4	4,141.81	3/4	3,858.45	3/4	3,564.47	3/4	3,229.52	3/4	2,869.43	3/4	2,509.13		
6	6	6	6	6	6	6	4,401.28	6	4,136.11	6	3,852.35	6	3,558.35	6	3,222.03	6	2,861.92	6	2,501.62		
1/4		1/4		1/4		1/4	4,395.93	1/4	4,130.38	1/4	3,846.23	1/4	3,552.22	1/4	3,214.54	1/4	2,854.42	1/4	2,494.12		
1/2		1/2		1/2		1/2	4,390.58	1/2	4,124.65	1/2	3,840.11	1/2	3,546.10	1/2	3,207.04	1/2	2,846.91	1/2	2,486.61		
3/4		3/4		3/4		3/4	4,643.59	3/4	4,385.23	3/4	4,118.92	3/4	3,833.99	3/4	3,539.97	3/4	3,199.55	3/4	2,839.40	3/4	2,479.11
7	7	7	7	7	7	7	4,640.56	7	4,379.88	7	4,113.19	7	3,827.87	7	3,533.85	7	3,192.06	7	2,831.90	7	2,471.60
1/4		1/4		1/4		1/4	4,636.03	1/4	4,374.50	1/4	4,107.42	1/4	3,821.74	1/4	3,527.72	1/4	3,184.57	1/4	2,824.39	1/4	2,464.09
1/2		1/2		1/2		1/2	4,631.50	1/2	4,369.12	1/2	4,101.66	1/2	3,815.62	1/2	3,521.60	1/2	3,177.08	1/2	2,816.89	1/2	2,456.59
3/4		3/4		3/4		3/4	4,626.96	3/4	4,363.74	3/4	4,095.90	3/4	3,809.49	3/4	3,515.48	3/4	3,169.59	3/4	2,809.38	3/4	2,449.08
8	8	8	8	8	8	8	4,622.43	8	4,358.36	8	4,090.13	8	3,803.37	8	3,509.35	8	3,162.10	8	2,801.87	8	2,441.58
1/4		1/4		1/4		1/4	4,616.68	1/4	4,352.95	1/4	4,084.34	1/4	3,797.24	1/4	3,503.23	1/4	3,154.61	1/4	2,794.37	1/4	2,434.07
1/2		1/2		1/2		1/2	4,610.92	1/2	4,347.54	1/2	4,078.54	1/2	3,791.12	1/2	3,497.11	1/2	3,147.11	1/2	2,786.86	1/2	2,426.56
3/4		3/4		3/4		3/4	4,605.17	3/4	4,342.12	3/4	4,072.75	3/4	3,784.99	3/4	3,490.99	3/4	3,139.62	3/4	2,779.35	3/4	2,419.06
9	9	9	9	9	9	9	4,599.42	9	4,336.71	9	4,066.95	9	3,778.87	9	3,484.87	9	3,132.13	9	2,771.85	9	2,411.55
1/4		1/4		1/4		1/4	4,593.38	1/4	4,331.27	1/4	4,061.12	1/4	3,772.74	1/4	3,478.74	1/4	3,124.63	1/4	2,764.34	1/4	2,404.04
1/2		1/2		1/2		1/2	4,587.35	1/2	4,325.82	1/2	4,055.29	1/2	3,766.61	1/2	3,472.62	1/2	3,117.13	1/2	2,756.84	1/2	2,396.53
3/4		3/4		3/4		3/4	4,581.31	3/4	4,320.38	3/4	4,049.47	3/4	3,760.49	3/4	3,466.50	3/4	3,109.62	3/4	2,749.33	3/4	2,389.02
10	10	10	10	10	10	10	4,575.27	10	4,314.93	10	4,043.64	10	3,754.36	10	3,460.38	10	3,102.12	10	2,741.82	10	2,381.52
1/4		1/4		1/4		1/4	4,569.24	1/4	4,309.46	1/4	4,037.78	1/4	3,748.24	1/4	3,453.23	1/4	3,094.61	1/4	2,734.32	1/4	2,374.01
1/2		1/2		1/2		1/2	4,563.20	1/2	4,303.98	1/2	4,031.92	1/2	3,742.11	1/2	3,446.08	1/2	3,087.11	1/2	2,726.81	1/2	2,366.50
3/4		3/4		3/4		3/4	4,557.17	3/4	4,298.51	3/4	4,026.06	3/4	3,735.99	3/4	3,438.93	3/4	3,079.60	3/4	2,719.30	3/4	2,358.99
11	11	11	11	11	11	11	4,551.13	11	4,293.03	11	4,020.20	11	3,729.86	11	3,431.78	11	3,072.10	11	2,711.80	11	2,351.48
1/4		1/4		1/4		1/4	4,545.10	1/4	4,287.52	1/4	4,014.31	1/4	3,723.74	1/4	3,424.29	1/4	3,064.59	1/4	2,704.29	1/4	2,343.97
1/2		1/2		1/2		1/2	4,539.06	1/2	4,282.01	1/2	4,008.42	1/2	3,717.61	1/2	3,416.80	1/2	3,057.08	1/2	2,696.79	1/2	2,336.46
3/4		3/4		3/4		3/4	4,533.03	3/4	4,276.50	3/4	4,002.52	3/4	3,711.48	3/4	3,409.31	3/4	3,049.58	3/4	2,689.28	3/4	2,328.95

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 39'-06" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29067"

**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	2,321.44	0	1,960.81	0	1,600.18	0	1,239.85	0	879.30	0	518.72	0	158.15	0		0		0	
1/4	2,313.93	1/4	1,953.30	1/4	1,592.67	1/4	1,232.35	1/4	871.79	1/4	511.21	1/4	150.64	1/4		1/4		1/4	
1/2	2,306.42	1/2	1,945.78	1/2	1,585.16	1/2	1,224.84	1/2	864.28	1/2	503.70	1/2	143.12	1/2		1/2		1/2	
3/4	2,298.90	3/4	1,938.27	3/4	1,577.65	3/4	1,217.33	3/4	856.77	3/4	496.19	3/4	135.61	3/4		3/4		3/4	
1	2,291.39	1	1,930.76	1	1,570.15	1	1,209.83	1	849.25	1	488.68	1	128.10	1		1		1	
1/4	2,283.88	1/4	1,923.25	1/4	1,562.64	1/4	1,202.32	1/4	841.74	1/4	481.17	1/4	120.58	1/4		1/4		1/4	
1/2	2,276.37	1/2	1,915.73	1/2	1,555.13	1/2	1,194.81	1/2	834.23	1/2	473.66	1/2	113.07	1/2		1/2		1/2	
3/4	2,268.85	3/4	1,908.22	3/4	1,547.63	3/4	1,187.31	3/4	826.71	3/4	466.15	3/4	105.56	3/4		3/4		3/4	
2	2,261.34	2	1,900.71	2	1,540.12	2	1,179.80	2	819.20	2	458.64	2	98.04	2		2		2	
1/4	2,253.83	1/4	1,893.19	1/4	1,532.61	1/4	1,172.29	1/4	811.69	1/4	451.14	1/4	90.53	1/4		1/4		1/4	
1/2	2,246.31	1/2	1,885.68	1/2	1,525.11	1/2	1,164.79	1/2	804.17	1/2	443.63	1/2	83.02	1/2		1/2		1/2	
3/4	2,238.80	3/4	1,878.17	3/4	1,517.60	3/4	1,157.28	3/4	796.66	3/4	436.12	3/4	75.50	3/4		3/4		3/4	
3	2,231.29	3	1,870.65	3	1,510.09	3	1,149.77	3	789.15	3	428.61	3	67.99	3		3		3	
1/4	2,223.77	1/4	1,863.14	1/4	1,502.59	1/4	1,142.26	1/4	781.63	1/4	421.10	1/4	61.18	1/4		1/4		1/4	
1/2	2,216.26	1/2	1,855.63	1/2	1,495.08	1/2	1,134.75	1/2	774.12	1/2	413.59	1/2	54.37	1/2		1/2		1/2	
3/4	2,208.75	3/4	1,848.11	3/4	1,487.57	3/4	1,127.24	3/4	766.61	3/4	406.08	3/4	47.56	3/4		3/4		3/4	
4	2,201.23	4	1,840.60	4	1,480.07	4	1,119.73	4	759.09	4	398.57	4	40.76	4		4		4	
1/4	2,193.72	1/4	1,833.09	1/4	1,472.56	1/4	1,112.21	1/4	751.58	1/4	391.05	1/4	35.59	1/4		1/4		1/4	
1/2	2,186.21	1/2	1,825.57	1/2	1,465.05	1/2	1,104.70	1/2	744.07	1/2	383.54	1/2	30.42	1/2		1/2		1/2	
3/4	2,178.69	3/4	1,818.06	3/4	1,457.55	3/4	1,097.19	3/4	736.55	3/4	376.03	3/4	25.26	3/4		3/4		3/4	
5	2,171.18	5	1,810.55	5	1,450.04	5	1,089.67	5	729.04	5	368.52	5	20.09	5		5		5	
1/4	2,163.67	1/4	1,803.03	1/4	1,442.53	1/4	1,082.16	1/4	721.53	1/4	361.01	1/4		1/4		1/4		1/4	
1/2	2,156.15	1/2	1,795.52	1/2	1,435.03	1/2	1,074.65	1/2	714.01	1/2	353.49	1/2		1/2		1/2		1/2	
3/4	2,148.64	3/4	1,788.01	3/4	1,427.52	3/4	1,067.13	3/4	706.50	3/4	345.98	3/4		3/4		3/4		3/4	
6	2,141.13	6	1,780.49	6	1,420.01	6	1,059.62	6	698.99	6	338.47	6		6		6		6	
1/4	2,133.61	1/4	1,772.98	1/4	1,412.51	1/4	1,052.11	1/4	691.47	1/4	330.95	1/4		1/4		1/4		1/4	
1/2	2,126.10	1/2	1,765.47	1/2	1,405.00	1/2	1,044.60	1/2	683.96	1/2	323.44	1/2		1/2		1/2		1/2	
3/4	2,118.59	3/4	1,757.95	3/4	1,397.49	3/4	1,037.08	3/4	676.45	3/4	315.93	3/4		3/4		3/4		3/4	
7	2,111.08	7	1,750.44	7	1,389.99	7	1,029.57	7	668.94	7	308.41	7		7		7		7	
1/4	2,103.56	1/4	1,742.93	1/4	1,382.48	1/4	1,022.06	1/4	661.42	1/4	300.90	1/4		1/4		1/4		1/4	
1/2	2,096.05	1/2	1,735.42	1/2	1,374.97	1/2	1,014.54	1/2	653.91	1/2	293.39	1/2		1/2		1/2		1/2	
3/4	2,088.54	3/4	1,727.90	3/4	1,367.47	3/4	1,007.03	3/4	646.40	3/4	285.87	3/4		3/4		3/4		3/4	
8	2,081.02	8	1,720.39	8	1,359.96	8	999.52	8	638.88	8	278.36	8		8		8		8	
1/4	2,073.51	1/4	1,712.88	1/4	1,352.45	1/4	992.00	1/4	631.37	1/4	270.85	1/4		1/4		1/4		1/4	
1/2	2,066.00	1/2	1,705.36	1/2	1,344.95	1/2	984.49	1/2	623.86	1/2	263.33	1/2		1/2		1/2		1/2	
3/4	2,058.48	3/4	1,697.85	3/4	1,337.44	3/4	976.98	3/4	616.35	3/4	255.82	3/4		3/4		3/4		3/4	
9	2,050.97	9	1,690.34	9	1,329.93	9	969.46	9	608.84	9	248.31	9		9		9		9	
1/4	2,043.46	1/4	1,682.82	1/4	1,322.43	1/4	961.95	1/4	601.33	1/4	240.79	1/4		1/4		1/4		1/4	
1/2	2,035.94	1/2	1,675.31	1/2	1,314.92	1/2	954.44	1/2	593.82	1/2	233.28	1/2		1/2		1/2		1/2	
3/4	2,028.43	3/4	1,667.80	3/4	1,307.41	3/4	946.92	3/4	586.31	3/4	225.77	3/4		3/4		3/4		3/4	
10	2,020.92	10	1,660.28	10	1,299.91	10	939.41	10	578.80	10	218.26	10		10		10		10	
1/4	2,013.40	1/4	1,652.77	1/4	1,292.40	1/4	931.90	1/4	571.29	1/4	210.74	1/4		1/4		1/4		1/4	
1/2	2,005.89	1/2	1,645.26	1/2	1,284.89	1/2	924.38	1/2	563.78	1/2	203.23	1/2		1/2		1/2		1/2	
3/4	1,998.38	3/4	1,637.74	3/4	1,277.39	3/4	916.87	3/4	556.27	3/4	195.72	3/4		3/4		3/4		3/4	
11	1,990.86	11	1,630.23	11	1,269.88	11	909.36	11	548.76	11	188.20	11		11		11		11	
1/4	1,983.35	1/4	1,622.72	1/4	1,262.37	1/4	901.84	1/4	541.25	1/4	180.69	1/4		1/4		1/4		1/4	
1/2	1,975.84	1/2	1,615.20	1/2	1,254.87	1/2	894.33	1/2	533.74	1/2	173.18	1/2		1/2		1/2		1/2	
3/4	1,968.32	3/4	1,607.69	3/4	1,247.36	3/4	886.82	3/4	526.23	3/4	165.66	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/10/2018 SW
CALCULATED: 01/10/2018 CL
PRINTED: 01/10/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2018

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