



# BARGE "KIRBY 29064"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-3/8"  
 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'-06"

May 10, 2017

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29064"

## 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	4,387.08	0	4,087.93	0	3,768.20	0	3,429.03	0	3,086.92	0	2,744.81	0	2,402.70
1/4		1/4		1/4		1/4	4,380.80	1/4	4,081.48	1/4	3,761.31	1/4	3,421.90	1/4	3,079.79	1/4	2,737.68	1/4	2,395.57
1/2		1/2		1/2		1/2	4,374.52	1/2	4,075.04	1/2	3,754.42	1/2	3,414.78	1/2	3,072.67	1/2	2,730.56	1/2	2,388.45
3/4		3/4		3/4		3/4	4,368.24	3/4	4,068.59	3/4	3,747.53	3/4	3,407.65	3/4	3,065.54	3/4	2,723.43	3/4	2,381.32
1		1		1		1	4,362.21	1	4,062.10	1	3,740.60	1	3,400.52	1	3,058.41	1	2,716.30	1	2,374.19
1/4		1/4		1/4		1/4	4,356.18	1/4	4,055.62	1/4	3,733.67	1/4	3,393.39	1/4	3,051.28	1/4	2,709.17	1/4	2,367.06
1/2		1/2		1/2		1/2	4,350.14	1/2	4,049.13	1/2	3,726.74	1/2	3,386.27	1/2	3,044.16	1/2	2,702.05	1/2	2,359.94
3/4		3/4		3/4		3/4	4,344.11	3/4	4,042.65	3/4	3,719.81	3/4	3,379.14	3/4	3,037.03	3/4	2,694.92	3/4	2,352.81
2		2		2		2	4,338.04	2	4,036.13	2	3,712.84	2	3,372.01	2	3,029.90	2	2,687.79	2	2,345.68
1/4		1/4		1/4		1/4	4,331.97	1/4	4,029.60	1/4	3,705.87	1/4	3,364.89	1/4	3,022.78	1/4	2,680.66	1/4	2,338.55
1/2		1/2		1/2		1/2	4,325.90	1/2	4,023.08	1/2	3,698.91	1/2	3,357.76	1/2	3,015.65	1/2	2,673.54	1/2	2,331.43
3/4		3/4		3/4		3/4	4,319.83	3/4	4,016.56	3/4	3,691.94	3/4	3,350.63	3/4	3,008.52	3/4	2,666.41	3/4	2,324.30
3		3		3		3	4,313.71	3	4,010.00	3	3,684.92	3	3,343.50	3	3,001.39	3	2,659.28	3	2,317.17
1/4		1/4		1/4		1/4	4,307.60	1/4	4,003.44	1/4	3,677.90	1/4	3,336.38	1/4	2,994.27	1/4	2,652.16	1/4	2,310.05
1/2		1/2		1/2		1/2	4,301.49	1/2	3,996.88	1/2	3,670.88	1/2	3,329.25	1/2	2,987.14	1/2	2,645.03	1/2	2,302.92
3/4		3/4		3/4		3/4	4,295.38	3/4	3,990.32	3/4	3,663.86	3/4	3,322.12	3/4	2,980.01	3/4	2,637.90	3/4	2,295.79
4		4		4		4	4,289.23	4	3,983.73	4	3,656.80	4	3,314.99	4	2,972.88	4	2,630.77	4	2,288.66
1/4		1/4		1/4		1/4	4,283.07	1/4	3,977.13	1/4	3,649.74	1/4	3,307.87	1/4	2,965.76	1/4	2,623.65	1/4	2,281.54
1/2		1/2		1/2		1/2	4,276.92	1/2	3,970.54	1/2	3,642.67	1/2	3,300.74	1/2	2,958.63	1/2	2,616.52	1/2	2,274.41
3/4		3/4		3/4		3/4	4,270.77	3/4	3,963.94	3/4	3,635.61	3/4	3,293.61	3/4	2,951.50	3/4	2,609.39	3/4	2,267.28
5		5		5		5	4,264.58	5	3,957.31	5	3,628.51	5	3,286.49	5	2,944.37	5	2,602.26	5	2,260.15
1/4		1/4		1/4		1/4	4,258.39	1/4	3,950.67	1/4	3,621.41	1/4	3,279.36	1/4	2,937.25	1/4	2,595.14	1/4	2,253.03
1/2		1/2		1/2		1/2	4,252.21	1/2	3,944.04	1/2	3,614.31	1/2	3,272.23	1/2	2,930.12	1/2	2,588.01	1/2	2,245.90
3/4		3/4		3/4		3/4	4,246.02	3/4	3,937.41	3/4	3,607.21	3/4	3,265.10	3/4	2,922.99	3/4	2,580.88	3/4	2,238.77
6		6		6		6	4,239.79	6	3,930.74	6	3,600.09	6	3,257.98	6	2,915.87	6	2,573.76	6	2,231.64
1/4		1/4		1/4		1/4	4,233.57	1/4	3,924.07	1/4	3,592.96	1/4	3,250.85	1/4	2,908.74	1/4	2,566.63	1/4	2,224.52
1/2		1/2		1/2		1/2	4,532.82	1/2	4,227.34	1/2	3,917.40	1/2	3,585.83	1/2	3,243.72	1/2	2,901.61	1/2	2,559.50
3/4		3/4		3/4		3/4	4,528.57	3/4	4,221.11	3/4	3,910.73	3/4	3,578.70	3/4	2,894.48	3/4	2,552.37	3/4	2,210.26
7		7		7		7	4,522.90	7	4,214.85	7	3,904.02	7	3,571.58	7	3,229.47	7	2,887.36	7	2,545.25
1/4		1/4		1/4		1/4	4,517.22	1/4	4,208.59	1/4	3,897.31	1/4	3,564.45	1/4	3,222.34	1/4	2,880.23	1/4	2,538.12
1/2		1/2		1/2		1/2	4,511.55	1/2	4,202.33	1/2	3,890.60	1/2	3,557.32	1/2	3,215.21	1/2	2,873.10	1/2	2,530.99
3/4		3/4		3/4		3/4	4,505.87	3/4	4,196.06	3/4	3,883.90	3/4	3,550.20	3/4	3,208.09	3/4	2,865.97	3/4	2,523.86
8		8		8		8	4,499.04	8	4,189.76	8	3,877.15	8	3,543.07	8	3,200.96	8	2,858.85	8	2,516.74
1/4		1/4		1/4		1/4	4,492.21	1/4	4,183.47	1/4	3,870.41	1/4	3,535.94	1/4	3,193.83	1/4	2,851.72	1/4	2,509.61
1/2		1/2		1/2		1/2	4,485.38	1/2	4,177.17	1/2	3,863.66	1/2	3,528.81	1/2	3,186.70	1/2	2,844.59	1/2	2,502.48
3/4		3/4		3/4		3/4	4,478.55	3/4	4,170.87	3/4	3,856.92	3/4	3,521.69	3/4	3,179.58	3/4	2,837.47	3/4	2,495.35
9		9		9		9	4,471.45	9	4,164.53	9	3,850.14	9	3,514.56	9	3,172.45	9	2,830.34	9	2,488.23
1/4		1/4		1/4		1/4	4,464.35	1/4	4,158.19	1/4	3,843.36	1/4	3,507.43	1/4	3,165.32	1/4	2,823.21	1/4	2,481.10
1/2		1/2		1/2		1/2	4,457.25	1/2	4,151.86	1/2	3,836.57	1/2	3,500.30	1/2	3,158.19	1/2	2,816.08	1/2	2,473.97
3/4		3/4		3/4		3/4	4,450.15	3/4	4,145.52	3/4	3,829.79	3/4	3,493.18	3/4	3,151.07	3/4	2,808.96	3/4	2,466.85
10		10		10		10	4,443.05	10	4,139.14	10	3,822.97	10	3,486.05	10	3,143.94	10	2,801.83	10	2,459.72
1/4		1/4		1/4		1/4	4,435.95	1/4	4,132.77	1/4	3,816.16	1/4	3,478.92	1/4	3,136.81	1/4	2,794.70	1/4	2,452.59
1/2		1/2		1/2		1/2	4,428.85	1/2	4,126.40	1/2	3,809.34	1/2	3,471.80	1/2	3,129.68	1/2	2,787.57	1/2	2,445.46
3/4		3/4		3/4		3/4	4,421.75	3/4	4,120.02	3/4	3,802.52	3/4	3,464.67	3/4	3,122.56	3/4	2,780.45	3/4	2,438.34
11		11		11		11	4,414.65	11	4,113.61	11	3,795.66	11	3,457.54	11	3,115.43	11	2,773.32	11	2,431.21
1/4		1/4		1/4		1/4	4,407.56	1/4	4,107.20	1/4	3,788.81	1/4	3,450.41	1/4	3,108.30	1/4	2,766.19	1/4	2,424.08
1/2		1/2		1/2		1/2	4,400.46	1/2	4,100.79	1/2	3,781.95	1/2	3,443.29	1/2	3,101.18	1/2	2,759.07	1/2	2,416.95
3/4		3/4		3/4		3/4	4,393.36	3/4	4,094.38	3/4	3,775.10	3/4	3,436.16	3/4	3,094.05	3/4	2,751.94	3/4	2,409.83

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  
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# BARGE "KIRBY 29064"

## 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	2,060.59	0	1,718.48	0	1,376.37	0	1,034.36	0	695.02	0	378.52	0	94.31	0		0		0	
1/4	2,053.46	1/4	1,711.35	1/4	1,369.24	1/4	1,027.26	1/4	688.10	1/4	372.28	1/4	88.73	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,046.34	1/2	1,704.22	1/2	1,362.11	1/2	1,020.16	1/2	681.18	1/2	366.04	1/2	83.16	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,039.21	3/4	1,697.10	3/4	1,354.99	3/4	1,013.06	3/4	674.26	3/4	359.79	3/4	77.59	3/4	3/4	3/4	3/4	3/4	3/4
1	2,032.08	1	1,689.97	1	1,347.86	1	1,005.96	1	667.40	1	353.61	1	72.07	1	1	1	1	1	1
1/4	2,024.95	1/4	1,682.84	1/4	1,340.73	1/4	998.87	1/4	660.54	1/4	347.42	1/4	66.56	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,017.83	1/2	1,675.72	1/2	1,333.61	1/2	991.77	1/2	653.68	1/2	341.24	1/2	61.04	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,010.70	3/4	1,668.59	3/4	1,326.48	3/4	984.67	3/4	646.82	3/4	335.05	3/4	55.53	3/4	3/4	3/4	3/4	3/4	3/4
2	2,003.57	2	1,661.46	2	1,319.35	2	977.58	2	640.02	2	328.92	2	50.07	2	2	2	2	2	2
1/4	1,996.44	1/4	1,654.33	1/4	1,312.22	1/4	970.48	1/4	633.21	1/4	322.80	1/4	44.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,989.32	1/2	1,647.21	1/2	1,305.10	1/2	963.39	1/2	626.41	1/2	316.67	1/2	39.15	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,982.19	3/4	1,640.08	3/4	1,297.97	3/4	956.29	3/4	619.60	3/4	310.54	3/4	33.69	3/4	3/4	3/4	3/4	3/4	3/4
3	1,975.06	3	1,632.95	3	1,290.84	3	949.19	3	612.85	3	304.46	3	28.95	3	3	3	3	3	3
1/4	1,967.93	1/4	1,625.82	1/4	1,283.71	1/4	942.10	1/4	606.10	1/4	298.39	1/4	24.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,960.81	1/2	1,618.70	1/2	1,276.59	1/2	935.00	1/2	599.35	1/2	292.32	1/2	19.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,953.68	3/4	1,611.57	3/4	1,269.46	3/4	927.91	3/4	592.60	3/4	286.25	3/4	14.74	3/4	3/4	3/4	3/4	3/4	3/4
4	1,946.55	4	1,604.44	4	1,262.33	4	920.81	4	585.91	4	280.23	4	11.62	4	4	4	4	4	4
1/4	1,939.43	1/4	1,597.32	1/4	1,255.20	1/4	913.72	1/4	579.22	1/4	274.21	1/4	8.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,932.30	1/2	1,590.19	1/2	1,248.08	1/2	906.62	1/2	572.53	1/2	268.19	1/2	5.38	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,925.17	3/4	1,583.06	3/4	1,240.95	3/4	899.53	3/4	565.83	3/4	262.17	3/4	2.26	3/4	3/4	3/4	3/4	3/4	3/4
5	1,918.04	5	1,575.93	5	1,233.82	5	892.43	5	559.20	5	256.20	5		5	5	5	5	5	5
1/4	1,910.92	1/4	1,568.81	1/4	1,226.70	1/4	885.34	1/4	552.56	1/4	250.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,903.79	1/2	1,561.68	1/2	1,219.57	1/2	878.24	1/2	545.92	1/2	244.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,896.66	3/4	1,554.55	3/4	1,212.44	3/4	871.14	3/4	539.28	3/4	238.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,889.53	6	1,547.42	6	1,205.31	6	864.05	6	532.70	6	232.40	6		6	6	6	6	6	6
1/4	1,882.41	1/4	1,540.30	1/4	1,198.19	1/4	856.95	1/4	526.12	1/4	226.49	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,875.28	1/2	1,533.17	1/2	1,191.06	1/2	849.86	1/2	519.54	1/2	220.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,868.15	3/4	1,526.04	3/4	1,183.93	3/4	842.76	3/4	512.96	3/4	214.68	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,861.03	7	1,518.91	7	1,176.80	7	835.67	7	506.44	7	208.83	7		7	7	7	7	7	7
1/4	1,853.90	1/4	1,511.79	1/4	1,169.68	1/4	828.57	1/4	499.91	1/4	202.97	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,846.77	1/2	1,504.66	1/2	1,162.55	1/2	821.48	1/2	493.39	1/2	197.12	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,839.64	3/4	1,497.53	3/4	1,155.42	3/4	814.38	3/4	486.86	3/4	191.27	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,832.52	8	1,490.41	8	1,148.30	8	807.28	8	480.40	8	185.47	8		8	8	8	8	8	8
1/4	1,825.39	1/4	1,483.28	1/4	1,141.17	1/4	800.19	1/4	473.93	1/4	179.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,818.26	1/2	1,476.15	1/2	1,134.04	1/2	793.09	1/2	467.46	1/2	173.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,811.13	3/4	1,469.02	3/4	1,126.91	3/4	786.00	3/4	461.00	3/4	168.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,804.01	9	1,461.90	9	1,119.79	9	778.94	9	454.59	9	162.35	9		9	9	9	9	9	9
1/4	1,796.88	1/4	1,454.77	1/4	1,112.66	1/4	771.89	1/4	448.18	1/4	156.61	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,789.75	1/2	1,447.64	1/2	1,105.53	1/2	764.84	1/2	441.77	1/2	150.87	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,782.62	3/4	1,440.51	3/4	1,098.40	3/4	757.78	3/4	435.36	3/4	145.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,775.50	10	1,433.39	10	1,091.28	10	750.79	10	429.01	10	139.44	10		10	10	10	10	10	10
1/4	1,768.37	1/4	1,426.26	1/4	1,084.15	1/4	743.79	1/4	422.65	1/4	133.76	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,761.24	1/2	1,419.13	1/2	1,077.02	1/2	736.79	1/2	416.30	1/2	128.07	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,754.12	3/4	1,412.01	3/4	1,069.89	3/4	729.79	3/4	409.95	3/4	122.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,746.99	11	1,404.88	11	1,062.79	11	722.83	11	403.65	11	116.76	11		11	11	11	11	11	11
1/4	1,739.86	1/4	1,397.75	1/4	1,055.68	1/4	715.86	1/4	397.35	1/4	111.13	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,732.73	1/2	1,390.62	1/2	1,048.57	1/2	708.90	1/2	391.06	1/2	105.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,725.61	3/4	1,383.50	3/4	1,041.46	3/4	701.93	3/4	384.76	3/4	99.88	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2017 SW  
CALCULATED: 05/11/2017 CL  
PRINTED: 05/12/2017 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2017

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



# BARGE "KIRBY 29064"

## 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	4,377.62	0	4,079.35	0	3,760.45	0	3,422.07	0	3,080.74	0	2,739.41	0	2,398.08		
1/4		1/4		1/4		1/4	4,371.36	1/4	4,072.92	1/4	3,753.58	1/4	3,414.96	1/4	3,073.63	1/4	2,732.30	1/4	2,390.97		
1/2		1/2		1/2		1/2	4,365.10	1/2	4,066.49	1/2	3,746.70	1/2	3,407.85	1/2	3,066.52	1/2	2,725.19	1/2	2,383.86		
3/4		3/4		3/4		3/4	4,358.84	3/4	4,060.06	3/4	3,739.83	3/4	3,400.74	3/4	3,059.41	3/4	2,718.08	3/4	2,376.75		
1		1		1		1	4,352.82	1	4,053.59	1	3,732.91	1	3,393.62	1	3,052.30	1	2,710.97	1	2,369.64		
1/4		1/4		1/4		1/4	4,346.81	1/4	4,047.13	1/4	3,726.00	1/4	3,386.51	1/4	3,045.19	1/4	2,703.86	1/4	2,362.53		
1/2		1/2		1/2		1/2	4,340.79	1/2	4,040.66	1/2	3,719.09	1/2	3,379.40	1/2	3,038.07	1/2	2,696.75	1/2	2,355.42		
3/4		3/4		3/4		3/4	4,334.78	3/4	4,034.19	3/4	3,712.18	3/4	3,372.29	3/4	3,030.96	3/4	2,689.64	3/4	2,348.31		
2		2		2		2	4,328.73	2	4,027.69	2	3,705.23	2	3,365.18	2	3,023.85	2	2,682.52	2	2,341.20		
1/4		1/4		1/4		1/4	4,322.68	1/4	4,021.18	1/4	3,698.28	1/4	3,358.07	1/4	3,016.74	1/4	2,675.41	1/4	2,334.09		
1/2		1/2		1/2		1/2	4,316.62	1/2	4,014.68	1/2	3,691.33	1/2	3,350.96	1/2	3,009.63	1/2	2,668.30	1/2	2,326.97		
3/4		3/4		3/4		3/4	4,310.57	3/4	4,008.17	3/4	3,684.38	3/4	3,343.85	3/4	3,002.52	3/4	2,661.19	3/4	2,319.86		
3		3		3		3	4,304.48	3	4,001.63	3	3,677.37	3	3,336.74	3	2,995.41	3	2,654.08	3	2,312.75		
1/4		1/4		1/4		1/4	4,298.38	1/4	3,995.09	1/4	3,670.37	1/4	3,329.63	1/4	2,988.30	1/4	2,646.97	1/4	2,305.64		
1/2		1/2		1/2		1/2	4,292.29	1/2	3,988.55	1/2	3,663.37	1/2	3,322.51	1/2	2,981.19	1/2	2,639.86	1/2	2,298.53		
3/4		3/4		3/4		3/4	4,286.20	3/4	3,982.01	3/4	3,656.36	3/4	3,315.40	3/4	2,974.08	3/4	2,632.75	3/4	2,291.42		
4		4		4		4	4,280.06	4	3,975.43	4	3,649.32	4	3,308.29	4	2,966.96	4	2,625.64	4	2,284.31		
1/4		1/4		1/4		1/4	4,273.93	1/4	3,968.85	1/4	3,642.27	1/4	3,301.18	1/4	2,959.85	1/4	2,618.53	1/4	2,277.20		
1/2		1/2		1/2		1/2	4,267.80	1/2	3,962.27	1/2	3,635.22	1/2	3,294.07	1/2	2,952.74	1/2	2,611.41	1/2	2,270.09		
3/4		3/4		3/4		3/4	4,261.66	3/4	3,955.69	3/4	3,628.18	3/4	3,286.96	3/4	2,945.63	3/4	2,604.30	3/4	2,262.98		
5		5		5		5	4,255.49	5	3,949.08	5	3,621.09	5	3,279.85	5	2,938.52	5	2,597.19	5	2,255.86		
1/4		1/4		1/4		1/4	4,249.32	1/4	3,942.46	1/4	3,614.01	1/4	3,272.74	1/4	2,931.41	1/4	2,590.08	1/4	2,248.75		
1/2		1/2		1/2		1/2	4,243.15	1/2	3,935.85	1/2	3,606.93	1/2	3,265.63	1/2	2,924.30	1/2	2,582.97	1/2	2,241.64		
3/4		3/4		3/4		3/4	4,236.98	3/4	3,929.23	3/4	3,599.84	3/4	3,258.52	3/4	2,917.19	3/4	2,575.86	3/4	2,234.53		
6		6		6		6	4,230.78	6	3,922.58	6	3,592.73	6	3,251.40	6	2,910.08	6	2,568.75	6	2,227.42		
1/4		1/4		1/4		1/4	4,224.57	1/4	3,915.92	1/4	3,585.62	1/4	3,244.29	1/4	2,902.97	1/4	2,561.64	1/4	2,220.31		
1/2		1/2		1/2		1/2	4,523.01	1/2	3,909.27	1/2	3,578.51	1/2	3,237.18	1/2	2,895.85	1/2	2,554.53	1/2	2,213.20		
3/4		3/4		3/4		3/4	4,518.77	3/4	3,902.62	3/4	3,571.40	3/4	3,230.07	3/4	2,888.74	3/4	2,547.42	3/4	2,206.09		
7		7		7		7	4,513.11	7	4,205.91	7	3,895.93	7	3,564.29	7	3,222.96	7	2,881.63	7	2,540.30	7	2,198.98
1/4		1/4		1/4		1/4	4,507.45	1/4	4,199.67	1/4	3,889.24	1/4	3,557.18	1/4	3,215.85	1/4	2,874.52	1/4	2,533.19	1/4	2,191.87
1/2		1/2		1/2		1/2	4,501.79	1/2	4,193.42	1/2	3,882.55	1/2	3,550.07	1/2	3,208.74	1/2	2,867.41	1/2	2,526.08	1/2	2,184.75
3/4		3/4		3/4		3/4	4,496.13	3/4	4,187.18	3/4	3,875.86	3/4	3,542.96	3/4	3,201.63	3/4	2,860.30	3/4	2,518.97	3/4	2,177.64
8		8		8		8	4,489.32	8	4,180.90	8	3,869.13	8	3,535.84	8	3,194.52	8	2,853.19	8	2,511.86	8	2,170.53
1/4		1/4		1/4		1/4	4,482.50	1/4	4,174.61	1/4	3,862.40	1/4	3,528.73	1/4	3,187.41	1/4	2,846.08	1/4	2,504.75	1/4	2,163.42
1/2		1/2		1/2		1/2	4,475.69	1/2	4,168.33	1/2	3,855.68	1/2	3,521.62	1/2	3,180.29	1/2	2,838.97	1/2	2,497.64	1/2	2,156.31
3/4		3/4		3/4		3/4	4,468.87	3/4	4,162.05	3/4	3,848.95	3/4	3,514.51	3/4	3,173.18	3/4	2,831.86	3/4	2,490.53	3/4	2,149.20
9		9		9		9	4,461.79	9	4,155.73	9	3,842.18	9	3,507.40	9	3,166.07	9	2,824.74	9	2,483.42	9	2,142.09
1/4		1/4		1/4		1/4	4,454.71	1/4	4,149.41	1/4	3,835.42	1/4	3,500.29	1/4	3,158.96	1/4	2,817.63	1/4	2,476.31	1/4	2,134.98
1/2		1/2		1/2		1/2	4,447.62	1/2	4,143.09	1/2	3,828.66	1/2	3,493.18	1/2	3,151.85	1/2	2,810.52	1/2	2,469.19	1/2	2,127.87
3/4		3/4		3/4		3/4	4,440.54	3/4	4,136.78	3/4	3,821.89	3/4	3,486.07	3/4	3,144.74	3/4	2,803.41	3/4	2,462.08	3/4	2,120.76
10		10		10		10	4,433.46	10	4,130.42	10	3,815.09	10	3,478.96	10	3,137.63	10	2,796.30	10	2,454.97	10	2,113.64
1/4		1/4		1/4		1/4	4,426.38	1/4	4,124.06	1/4	3,808.29	1/4	3,471.85	1/4	3,130.52	1/4	2,789.19	1/4	2,447.86	1/4	2,106.53
1/2		1/2		1/2		1/2	4,419.29	1/2	4,117.71	1/2	3,801.49	1/2	3,464.73	1/2	3,123.41	1/2	2,782.08	1/2	2,440.75	1/2	2,099.42
3/4		3/4		3/4		3/4	4,412.21	3/4	4,111.35	3/4	3,794.69	3/4	3,457.62	3/4	3,116.30	3/4	2,774.97	3/4	2,433.64	3/4	2,092.31
11		11		11		11	4,405.13	11	4,104.96	11	3,787.85	11	3,450.51	11	3,109.18	11	2,767.86	11	2,426.53	11	2,085.20
1/4		1/4		1/4		1/4	4,398.05	1/4	4,098.57	1/4	3,781.01	1/4	3,443.40	1/4	3,102.07	1/4	2,760.75	1/4	2,419.42	1/4	2,078.09
1/2		1/2		1/2		1/2	4,390.96	1/2	4,092.17	1/2	3,774.17	1/2	3,436.29	1/2	3,094.96	1/2	2,753.63	1/2	2,412.31	1/2	2,070.98
3/4		3/4		3/4		3/4	4,383.88	3/4	4,085.78	3/4	3,767.33	3/4	3,429.18	3/4	3,087.85	3/4	2,746.52	3/4	2,405.20	3/4	2,063.87

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 29064"

**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	2,056.76	0	1,715.43	0	1,374.10	0	1,032.77	0	692.83	0	377.17	0	93.87	0		0			
1/4	2,049.65	1/4	1,708.32	1/4	1,366.99	1/4	1,025.66	1/4	685.93	1/4	370.95	1/4	88.32	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,042.53	1/2	1,701.21	1/2	1,359.88	1/2	1,018.55	1/2	679.03	1/2	364.73	1/2	82.77	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,035.42	3/4	1,694.10	3/4	1,352.77	3/4	1,011.44	3/4	672.13	3/4	358.51	3/4	77.22	3/4	3/4	3/4	3/4	3/4	3/4
1	2,028.31	1	1,686.98	1	1,345.66	1	1,004.33	1	665.29	1	352.34	1	71.72	1	1	1	1	1	1
1/4	2,021.20	1/4	1,679.87	1/4	1,338.55	1/4	997.22	1/4	658.44	1/4	346.17	1/4	66.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,014.09	1/2	1,672.76	1/2	1,331.43	1/2	990.11	1/2	651.60	1/2	340.01	1/2	60.73	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,006.98	3/4	1,665.65	3/4	1,324.32	3/4	983.00	3/4	644.76	3/4	333.84	3/4	55.23	3/4	3/4	3/4	3/4	3/4	3/4
2	1,999.87	2	1,658.54	2	1,317.21	2	975.88	2	637.97	2	327.73	2	49.79	2	2	2	2	2	2
1/4	1,992.76	1/4	1,651.43	1/4	1,310.10	1/4	968.77	1/4	631.18	1/4	321.62	1/4	44.35	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,985.65	1/2	1,644.32	1/2	1,302.99	1/2	961.66	1/2	624.39	1/2	315.51	1/2	38.91	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,978.54	3/4	1,637.21	3/4	1,295.88	3/4	954.55	3/4	617.60	3/4	309.40	3/4	33.47	3/4	3/4	3/4	3/4	3/4	3/4
3	1,971.42	3	1,630.10	3	1,288.77	3	947.44	3	610.87	3	303.34	3	28.76	3	3	3	3	3	3
1/4	1,964.31	1/4	1,622.99	1/4	1,281.66	1/4	940.33	1/4	604.14	1/4	297.29	1/4	24.04	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,957.20	1/2	1,615.87	1/2	1,274.55	1/2	933.22	1/2	597.41	1/2	291.23	1/2	19.32	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,950.09	3/4	1,608.76	3/4	1,267.44	3/4	926.11	3/4	590.68	3/4	285.18	3/4	14.61	3/4	3/4	3/4	3/4	3/4	3/4
4	1,942.98	4	1,601.65	4	1,260.32	4	919.00	4	584.00	4	279.18	4	11.50	4	4	4	4	4	4
1/4	1,935.87	1/4	1,594.54	1/4	1,253.21	1/4	911.89	1/4	577.32	1/4	273.18	1/4	8.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,928.76	1/2	1,587.43	1/2	1,246.10	1/2	904.77	1/2	570.65	1/2	267.18	1/2	5.29	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,921.65	3/4	1,580.32	3/4	1,238.99	3/4	897.66	3/4	563.97	3/4	261.18	3/4	2.19	3/4	3/4	3/4	3/4	3/4	3/4
5	1,914.54	5	1,573.21	5	1,231.88	5	890.55	5	557.35	5	255.23	5		5	5	5	5	5	5
1/4	1,907.43	1/4	1,566.10	1/4	1,224.77	1/4	883.44	1/4	550.73	1/4	249.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,900.31	1/2	1,558.99	1/2	1,217.66	1/2	876.33	1/2	544.12	1/2	243.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,893.20	3/4	1,551.88	3/4	1,210.55	3/4	869.22	3/4	537.50	3/4	237.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,886.09	6	1,544.76	6	1,203.44	6	862.11	6	530.93	6	231.51	6		6	6	6	6	6	6
1/4	1,878.98	1/4	1,537.65	1/4	1,196.33	1/4	855.00	1/4	524.37	1/4	225.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,871.87	1/2	1,530.54	1/2	1,189.21	1/2	847.89	1/2	517.81	1/2	219.73	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,864.76	3/4	1,523.43	3/4	1,182.10	3/4	840.78	3/4	511.24	3/4	213.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,857.65	7	1,516.32	7	1,174.99	7	833.66	7	504.73	7	208.01	7		7	7	7	7	7	7
1/4	1,850.54	1/4	1,509.21	1/4	1,167.88	1/4	826.55	1/4	498.23	1/4	202.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,843.43	1/2	1,502.10	1/2	1,160.77	1/2	819.44	1/2	491.72	1/2	196.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,836.32	3/4	1,494.99	3/4	1,153.66	3/4	812.33	3/4	485.21	3/4	190.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,829.20	8	1,487.88	8	1,146.55	8	805.22	8	478.77	8	184.73	8		8	8	8	8	8	8
1/4	1,822.09	1/4	1,480.77	1/4	1,139.44	1/4	798.11	1/4	472.32	1/4	178.95	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,814.98	1/2	1,473.65	1/2	1,132.33	1/2	791.00	1/2	465.87	1/2	173.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,807.87	3/4	1,466.54	3/4	1,125.22	3/4	783.89	3/4	459.42	3/4	167.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,800.76	9	1,459.43	9	1,118.10	9	776.82	9	453.03	9	161.68	9		9	9	9	9	9	9
1/4	1,793.65	1/4	1,452.32	1/4	1,110.99	1/4	769.75	1/4	446.64	1/4	155.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,786.54	1/2	1,445.21	1/2	1,103.88	1/2	762.68	1/2	440.25	1/2	150.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,779.43	3/4	1,438.10	3/4	1,096.77	3/4	755.61	3/4	433.85	3/4	144.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,772.32	10	1,430.99	10	1,089.66	10	748.60	10	427.52	10	138.85	10		10	10	10	10	10	10
1/4	1,765.21	1/4	1,423.88	1/4	1,082.55	1/4	741.59	1/4	421.18	1/4	133.19	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,758.09	1/2	1,416.77	1/2	1,075.44	1/2	734.57	1/2	414.85	1/2	127.52	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,750.98	3/4	1,409.66	3/4	1,068.33	3/4	727.56	3/4	408.51	3/4	121.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,743.87	11	1,402.54	11	1,061.22	11	720.60	11	402.23	11	116.25	11		11	11	11	11	11	11
1/4	1,736.76	1/4	1,395.43	1/4	1,054.11	1/4	713.65	1/4	395.96	1/4	110.64	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,729.65	1/2	1,388.32	1/2	1,046.99	1/2	706.69	1/2	389.68	1/2	105.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,722.54	3/4	1,381.21	3/4	1,039.88	3/4	699.73	3/4	383.40	3/4	99.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2017 SW  
CALCULATED: 05/11/2017 CL  
PRINTED: 05/12/2017 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2017

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



# BARGE "KIRBY 29064"

## 2 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	5,113.75	0	4,775.56	0	4,412.94	0	4,028.29	0	3,640.29	0	3,252.30	0	2,864.31		
1/4		1/4		1/4		1/4	5,106.72	1/4	4,768.25	1/4	4,405.13	1/4	4,020.20	1/4	3,632.21	1/4	3,244.22	1/4	2,856.22		
1/2		1/2		1/2		1/2	5,099.68	1/2	4,760.93	1/2	4,397.31	1/2	4,012.12	1/2	3,624.13	1/2	3,236.13	1/2	2,848.14		
3/4		3/4		3/4		3/4	5,092.65	3/4	4,753.62	3/4	4,389.49	3/4	4,004.04	3/4	3,616.04	3/4	3,228.05	3/4	2,840.06		
1		1		1		1	5,085.90	1	4,746.27	1	4,381.63	1	3,995.96	1	3,607.96	1	3,219.97	1	2,831.97		
1/4		1/4		1/4		1/4	5,079.14	1/4	4,738.91	1/4	4,373.77	1/4	3,987.87	1/4	3,599.88	1/4	3,211.88	1/4	2,823.89		
1/2		1/2		1/2		1/2	5,072.39	1/2	4,731.56	1/2	4,365.91	1/2	3,979.79	1/2	3,591.80	1/2	3,203.80	1/2	2,815.81		
3/4		3/4		3/4		3/4	5,065.63	3/4	4,724.20	3/4	4,358.05	3/4	3,971.71	3/4	3,583.71	3/4	3,195.72	3/4	2,807.72		
2		2		2		2	5,058.84	2	4,716.81	2	4,350.15	2	3,963.62	2	3,575.63	2	3,187.64	2	2,799.64		
1/4		1/4		1/4		1/4	5,052.04	1/4	4,709.41	1/4	4,342.25	1/4	3,955.54	1/4	3,567.55	1/4	3,179.55	1/4	2,791.56		
1/2		1/2		1/2		1/2	5,045.24	1/2	4,702.01	1/2	4,334.35	1/2	3,947.46	1/2	3,559.46	1/2	3,171.47	1/2	2,783.48		
3/4		3/4		3/4		3/4	5,038.45	3/4	4,694.62	3/4	4,326.44	3/4	3,939.37	3/4	3,551.38	3/4	3,163.39	3/4	2,775.39		
3		3		3		3	5,031.54	3	4,687.18	3	4,318.48	3	3,931.29	3	3,543.30	3	3,155.30	3	2,767.31		
1/4		1/4		1/4		1/4	5,024.63	1/4	4,679.74	1/4	4,310.52	1/4	3,923.21	1/4	3,535.21	1/4	3,147.22	1/4	2,759.23		
1/2		1/2		1/2		1/2	5,017.72	1/2	4,672.30	1/2	4,302.56	1/2	3,915.12	1/2	3,527.13	1/2	3,139.14	1/2	2,751.14		
3/4		3/4		3/4		3/4	5,010.81	3/4	4,664.86	3/4	4,294.60	3/4	3,907.04	3/4	3,519.05	3/4	3,131.05	3/4	2,743.06		
4		4		4		4	5,003.83	4	4,657.38	4	4,286.59	4	3,898.96	4	3,510.96	4	3,122.97	4	2,734.98		
1/4		1/4		1/4		1/4	4,996.86	1/4	4,649.90	1/4	4,278.58	1/4	3,890.87	1/4	3,502.88	1/4	3,114.89	1/4	2,726.89		
1/2		1/2		1/2		1/2	4,989.88	1/2	4,642.42	1/2	4,270.57	1/2	3,882.79	1/2	3,494.80	1/2	3,106.80	1/2	2,718.81		
3/4		3/4		3/4		3/4	4,982.90	3/4	4,634.94	3/4	4,262.56	3/4	3,874.71	3/4	3,486.71	3/4	3,098.72	3/4	2,710.73		
5		5		5		5	4,975.89	5	4,627.42	5	4,254.51	5	3,866.62	5	3,478.63	5	3,090.64	5	2,702.64		
1/4		1/4		1/4		1/4	4,968.87	1/4	4,619.89	1/4	4,246.46	1/4	3,858.54	1/4	3,470.55	1/4	3,082.55	1/4	2,694.56		
1/2		1/2		1/2		1/2	4,961.85	1/2	4,612.37	1/2	4,238.40	1/2	3,850.46	1/2	3,462.46	1/2	3,074.47	1/2	2,686.48		
3/4		3/4		3/4		3/4	4,954.83	3/4	4,604.85	3/4	4,230.35	3/4	3,842.37	3/4	3,454.38	3/4	3,066.39	3/4	2,678.39		
6		6		6		6	4,947.77	6	4,597.28	6	4,222.27	6	3,834.29	6	3,446.30	6	3,058.30	6	2,670.31		
1/4		1/4		1/4		1/4	4,940.71	1/4	4,589.72	1/4	4,214.19	1/4	3,826.21	1/4	3,438.21	1/4	3,050.22	1/4	2,662.23		
1/2		1/2		1/2		1/2	5,277.13	1/2	4,933.65	1/2	4,582.15	1/2	4,206.11	1/2	3,818.12	1/2	3,430.13	1/2	3,042.14	1/2	2,654.14
3/4		3/4		3/4		3/4	5,272.40	3/4	4,926.59	3/4	4,574.59	3/4	4,198.04	3/4	3,810.04	3/4	3,422.05	3/4	3,034.05	3/4	2,646.06
7		7		7		7	5,266.05	7	4,919.49	7	4,566.98	7	4,189.95	7	3,801.96	7	3,413.96	7	3,025.97	7	2,637.98
1/4		1/4		1/4		1/4	5,259.70	1/4	4,912.39	1/4	4,559.37	1/4	4,181.87	1/4	3,793.88	1/4	3,405.88	1/4	3,017.89	1/4	2,629.89
1/2		1/2		1/2		1/2	5,253.36	1/2	4,905.29	1/2	4,551.77	1/2	4,173.79	1/2	3,785.79	1/2	3,397.80	1/2	3,009.80	1/2	2,621.81
3/4		3/4		3/4		3/4	5,247.01	3/4	4,898.19	3/4	4,544.16	3/4	4,165.70	3/4	3,777.71	3/4	3,389.72	3/4	3,001.72	3/4	2,613.73
8		8		8		8	5,239.35	8	4,891.04	8	4,536.51	8	4,157.62	8	3,769.63	8	3,381.63	8	2,993.64	8	2,605.64
1/4		1/4		1/4		1/4	5,231.68	1/4	4,883.90	1/4	4,528.86	1/4	4,149.54	1/4	3,761.54	1/4	3,373.55	1/4	2,985.56	1/4	2,597.56
1/2		1/2		1/2		1/2	5,224.02	1/2	4,876.75	1/2	4,521.21	1/2	4,141.45	1/2	3,753.46	1/2	3,365.47	1/2	2,977.47	1/2	2,589.48
3/4		3/4		3/4		3/4	5,216.36	3/4	4,869.61	3/4	4,513.56	3/4	4,133.37	3/4	3,745.38	3/4	3,357.38	3/4	2,969.39	3/4	2,581.40
9		9		9		9	5,208.40	9	4,862.42	9	4,505.87	9	4,125.29	9	3,737.29	9	3,349.30	9	2,961.31	9	2,573.31
1/4		1/4		1/4		1/4	5,200.43	1/4	4,855.24	1/4	4,498.18	1/4	4,117.20	1/4	3,729.21	1/4	3,341.22	1/4	2,953.22	1/4	2,565.22
1/2		1/2		1/2		1/2	5,192.47	1/2	4,848.05	1/2	4,490.49	1/2	4,109.12	1/2	3,721.13	1/2	3,333.13	1/2	2,945.14	1/2	2,557.14
3/4		3/4		3/4		3/4	5,184.50	3/4	4,840.87	3/4	4,482.80	3/4	4,101.04	3/4	3,713.04	3/4	3,325.05	3/4	2,937.06	3/4	2,549.05
10		10		10		10	5,176.54	10	4,833.64	10	4,475.06	10	4,092.95	10	3,704.96	10	3,316.97	10	2,928.97	10	2,540.97
1/4		1/4		1/4		1/4	5,168.57	1/4	4,826.41	1/4	4,467.33	1/4	4,084.87	1/4	3,696.88	1/4	3,308.88	1/4	2,920.89	1/4	2,532.88
1/2		1/2		1/2		1/2	5,160.61	1/2	4,819.18	1/2	4,459.60	1/2	4,076.79	1/2	3,688.79	1/2	3,300.80	1/2	2,912.81	1/2	2,524.79
3/4		3/4		3/4		3/4	5,152.64	3/4	4,811.95	3/4	4,451.86	3/4	4,068.70	3/4	3,680.71	3/4	3,292.72	3/4	2,904.72	3/4	2,516.70
11		11		11		11	5,144.68	11	4,804.68	11	4,444.09	11	4,060.62	11	3,672.63	11	3,284.63	11	2,896.64	11	2,508.62
1/4		1/4		1/4		1/4	5,136.71	1/4	4,797.41	1/4	4,436.31	1/4	4,052.54	1/4	3,664.54	1/4	3,276.55	1/4	2,888.56	1/4	2,500.53
1/2		1/2		1/2		1/2	5,128.75	1/2	4,790.14	1/2	4,428.54	1/2	4,044.45	1/2	3,656.46	1/2	3,268.47	1/2	2,880.47	1/2	2,492.44
3/4		3/4		3/4		3/4	5,120.78	3/4	4,782.87	3/4	4,420.76	3/4	4,036.37	3/4	3,648.38	3/4	3,260.38	3/4	2,872.39	3/4	2,484.35

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 29064"

## 2 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	2,476.27	0	2,088.06	0	1,699.86	0	1,311.65	0	923.68	0	550.04	0	162.13	0		0		0	
1/4	2,468.18	1/4	2,079.97	1/4	1,691.77	1/4	1,303.56	1/4	915.83	1/4	542.03	1/4	154.04	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,460.09	1/2	2,071.89	1/2	1,683.68	1/2	1,295.48	1/2	907.97	1/2	534.03	1/2	145.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,452.00	3/4	2,063.80	3/4	1,675.59	3/4	1,287.39	3/4	900.12	3/4	526.02	3/4	137.86	3/4	3/4	3/4	3/4	3/4	3/4
1	2,443.92	1	2,055.71	1	1,667.51	1	1,279.30	1	892.34	1	517.94	1	129.78	1	1	1	1	1	1
1/4	2,435.83	1/4	2,047.62	1/4	1,659.42	1/4	1,271.21	1/4	884.57	1/4	509.85	1/4	121.69	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,427.74	1/2	2,039.54	1/2	1,651.33	1/2	1,263.13	1/2	876.79	1/2	501.77	1/2	113.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,419.65	3/4	2,031.45	3/4	1,643.24	3/4	1,255.04	3/4	869.02	3/4	493.68	3/4	105.51	3/4	3/4	3/4	3/4	3/4	3/4
2	2,411.57	2	2,023.36	2	1,635.16	2	1,246.95	2	861.24	2	485.60	2	97.43	2	2	2	2	2	2
1/4	2,403.48	1/4	2,015.27	1/4	1,627.07	1/4	1,238.86	1/4	853.47	1/4	477.52	1/4	89.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,395.39	1/2	2,007.19	1/2	1,618.98	1/2	1,230.78	1/2	845.69	1/2	469.43	1/2	81.25	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,387.30	3/4	1,999.10	3/4	1,610.89	3/4	1,222.69	3/4	837.92	3/4	461.35	3/4	73.16	3/4	3/4	3/4	3/4	3/4	3/4
3	2,379.21	3	1,991.01	3	1,602.81	3	1,214.60	3	830.14	3	453.26	3	65.83	3	3	3	3	3	3
1/4	2,371.13	1/4	1,982.92	1/4	1,594.72	1/4	1,206.51	1/4	822.36	1/4	445.18	1/4	58.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,363.04	1/2	1,974.83	1/2	1,586.63	1/2	1,198.43	1/2	814.59	1/2	437.10	1/2	51.17	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,354.95	3/4	1,966.75	3/4	1,578.54	3/4	1,190.34	3/4	806.81	3/4	429.01	3/4	43.84	3/4	3/4	3/4	3/4	3/4	3/4
4	2,346.86	4	1,958.66	4	1,570.45	4	1,182.25	4	799.04	4	420.92	4	38.28	4	4	4	4	4	4
1/4	2,338.78	1/4	1,950.57	1/4	1,562.37	1/4	1,174.16	1/4	791.26	1/4	412.84	1/4	32.72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,330.69	1/2	1,942.48	1/2	1,554.28	1/2	1,166.07	1/2	783.49	1/2	404.75	1/2	27.16	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,322.60	3/4	1,934.40	3/4	1,546.19	3/4	1,157.99	3/4	775.71	3/4	396.67	3/4	21.60	3/4	3/4	3/4	3/4	3/4	3/4
5	2,314.51	5	1,926.31	5	1,538.10	5	1,149.90	5	767.94	5	388.58	5		5	5	5	5	5	5
1/4	2,306.43	1/4	1,918.22	1/4	1,530.02	1/4	1,141.81	1/4	760.16	1/4	380.49	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,298.34	1/2	1,910.13	1/2	1,521.93	1/2	1,133.72	1/2	752.38	1/2	372.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,290.25	3/4	1,902.05	3/4	1,513.84	3/4	1,125.64	3/4	744.61	3/4	364.32	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,282.16	6	1,893.96	6	1,505.75	6	1,117.55	6	736.83	6	356.23	6		6	6	6	6	6	6
1/4	2,274.08	1/4	1,885.87	1/4	1,497.67	1/4	1,109.46	1/4	729.06	1/4	348.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,265.99	1/2	1,877.78	1/2	1,489.58	1/2	1,101.37	1/2	721.28	1/2	340.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,257.90	3/4	1,869.70	3/4	1,481.49	3/4	1,093.29	3/4	713.51	3/4	331.97	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,249.81	7	1,861.61	7	1,473.40	7	1,085.20	7	705.73	7	323.88	7		7	7	7	7	7	7
1/4	2,241.73	1/4	1,853.52	1/4	1,465.32	1/4	1,077.11	1/4	697.95	1/4	315.79	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,233.64	1/2	1,845.43	1/2	1,457.23	1/2	1,069.02	1/2	690.18	1/2	307.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,225.55	3/4	1,837.35	3/4	1,449.14	3/4	1,060.94	3/4	682.40	3/4	299.62	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,217.46	8	1,829.26	8	1,441.05	8	1,052.85	8	674.63	8	291.53	8		8	8	8	8	8	8
1/4	2,209.38	1/4	1,821.17	1/4	1,432.97	1/4	1,044.76	1/4	666.86	1/4	283.44	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,201.29	1/2	1,813.08	1/2	1,424.88	1/2	1,036.67	1/2	659.08	1/2	275.35	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,193.20	3/4	1,805.00	3/4	1,416.79	3/4	1,028.59	3/4	651.31	3/4	267.26	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,185.11	9	1,796.91	9	1,408.70	9	1,020.50	9	643.54	9	259.18	9		9	9	9	9	9	9
1/4	2,177.02	1/4	1,788.82	1/4	1,400.62	1/4	1,012.41	1/4	635.77	1/4	251.09	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,168.94	1/2	1,780.73	1/2	1,392.53	1/2	1,004.32	1/2	628.00	1/2	243.00	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,160.85	3/4	1,772.64	3/4	1,384.44	3/4	996.24	3/4	620.22	3/4	234.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,152.76	10	1,764.56	10	1,376.35	10	988.15	10	612.45	10	226.83	10		10	10	10	10	10	10
1/4	2,144.67	1/4	1,756.47	1/4	1,368.26	1/4	980.06	1/4	604.68	1/4	218.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,136.59	1/2	1,748.38	1/2	1,360.18	1/2	971.97	1/2	596.91	1/2	210.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,128.50	3/4	1,740.29	3/4	1,352.09	3/4	963.88	3/4	589.13	3/4	202.56	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,120.41	11	1,732.21	11	1,344.00	11	955.80	11	581.36	11	194.48	11		11	11	11	11	11	11
1/4	2,112.32	1/4	1,724.12	1/4	1,335.91	1/4	947.71	1/4	573.59	1/4	186.39	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,104.24	1/2	1,716.03	1/2	1,327.83	1/2	939.62	1/2	565.82	1/2	178.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,096.15	3/4	1,707.94	3/4	1,319.74	3/4	931.53	3/4	558.05	3/4	170.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2017 SW  
CALCULATED: 05/11/2017 CL  
PRINTED: 05/12/2017 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2017

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



# BARGE "KIRBY 29064"

## 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	5,125.92	0	4,788.74	0	4,427.37	0	4,043.72	0	3,656.45	0	3,269.19	0	2,881.93
1/4		1/4		1/4		1/4	5,118.90	1/4	4,781.45	1/4	4,419.56	1/4	4,035.65	1/4	3,648.39	1/4	3,261.12	1/4	2,873.86
1/2		1/2		1/2		1/2	5,111.88	1/2	4,774.15	1/2	4,411.76	1/2	4,027.58	1/2	3,640.32	1/2	3,253.05	1/2	2,865.79
3/4		3/4		3/4		3/4	5,104.86	3/4	4,766.85	3/4	4,403.96	3/4	4,019.51	3/4	3,632.25	3/4	3,244.99	3/4	2,857.72
1		1		1		1	5,097.84	1	4,759.55	1	4,396.16	1	4,011.45	1	3,624.18	1	3,236.92	1	2,849.65
1/4		1/4		1/4		1/4	5,091.10	1/4	4,752.21	1/4	4,388.31	1/4	4,003.38	1/4	3,616.11	1/4	3,228.85	1/4	2,841.59
1/2		1/2		1/2		1/2	5,084.37	1/2	4,744.88	1/2	4,380.47	1/2	3,995.31	1/2	3,608.05	1/2	3,220.78	1/2	2,833.52
3/4		3/4		3/4		3/4	5,077.63	3/4	4,737.54	3/4	4,372.62	3/4	3,987.24	3/4	3,599.98	3/4	3,212.71	3/4	2,825.45
2		2		2		2	5,070.89	2	4,730.20	2	4,364.78	2	3,979.17	2	3,591.91	2	3,204.65	2	2,817.38
1/4		1/4		1/4		1/4	5,064.11	1/4	4,722.82	1/4	4,356.89	1/4	3,971.11	1/4	3,583.84	1/4	3,196.58	1/4	2,809.31
1/2		1/2		1/2		1/2	5,057.32	1/2	4,715.43	1/2	4,349.01	1/2	3,963.04	1/2	3,575.77	1/2	3,188.51	1/2	2,801.25
3/4		3/4		3/4		3/4	5,050.54	3/4	4,708.05	3/4	4,341.12	3/4	3,954.97	3/4	3,567.71	3/4	3,180.44	3/4	2,793.18
3		3		3		3	5,043.76	3	4,700.67	3	4,333.23	3	3,946.90	3	3,559.64	3	3,172.37	3	2,785.11
1/4		1/4		1/4		1/4	5,036.87	1/4	4,693.25	1/4	4,325.29	1/4	3,938.83	1/4	3,551.57	1/4	3,164.31	1/4	2,777.04
1/2		1/2		1/2		1/2	5,029.97	1/2	4,685.83	1/2	4,317.34	1/2	3,930.77	1/2	3,543.50	1/2	3,156.24	1/2	2,768.97
3/4		3/4		3/4		3/4	5,023.08	3/4	4,678.40	3/4	4,309.39	3/4	3,922.70	3/4	3,535.43	3/4	3,148.17	3/4	2,760.91
4		4		4		4	5,016.19	4	4,670.98	4	4,301.45	4	3,914.63	4	3,527.37	4	3,140.10	4	2,752.84
1/4		1/4		1/4		1/4	5,009.22	1/4	4,663.51	1/4	4,293.45	1/4	3,906.56	1/4	3,519.30	1/4	3,132.03	1/4	2,744.77
1/2		1/2		1/2		1/2	5,002.26	1/2	4,656.05	1/2	4,285.46	1/2	3,898.49	1/2	3,511.23	1/2	3,123.97	1/2	2,736.70
3/4		3/4		3/4		3/4	4,995.30	3/4	4,648.58	3/4	4,277.46	3/4	3,890.43	3/4	3,503.16	3/4	3,115.90	3/4	2,728.63
5		5		5		5	4,988.34	5	4,641.12	5	4,269.47	5	3,882.36	5	3,495.09	5	3,107.83	5	2,720.57
1/4		1/4		1/4		1/4	4,981.34	1/4	4,633.61	1/4	4,261.43	1/4	3,874.29	1/4	3,487.03	1/4	3,099.76	1/4	2,712.50
1/2		1/2		1/2		1/2	4,974.34	1/2	4,626.10	1/2	4,253.40	1/2	3,866.22	1/2	3,478.96	1/2	3,091.69	1/2	2,704.43
3/4		3/4		3/4		3/4	4,967.34	3/4	4,618.59	3/4	4,245.36	3/4	3,858.15	3/4	3,470.89	3/4	3,083.63	3/4	2,696.36
6		6		6		6	4,960.34	6	4,611.09	6	4,237.33	6	3,850.09	6	3,462.82	6	3,075.56	6	2,688.29
1/4		1/4		1/4		1/4	4,953.29	1/4	4,603.54	1/4	4,229.26	1/4	3,842.02	1/4	3,454.75	1/4	3,067.49	1/4	2,680.23
1/2		1/2		1/2		1/2	4,946.25	1/2	4,595.99	1/2	4,221.20	1/2	3,833.95	1/2	3,446.69	1/2	3,059.42	1/2	2,672.16
3/4		3/4		3/4		3/4	5,281.96	3/4	4,939.20	3/4	4,588.44	3/4	4,213.14	3/4	3,825.88	3/4	3,438.62	3/4	3,051.35
7		7		7		7	5,277.24	7	4,932.16	7	4,580.89	7	4,205.08	7	3,817.81	7	3,430.55	7	3,043.29
1/4		1/4		1/4		1/4	5,270.90	1/4	4,925.07	1/4	4,573.30	1/4	4,197.01	1/4	3,809.75	1/4	3,422.48	1/4	3,035.22
1/2		1/2		1/2		1/2	5,264.57	1/2	4,917.98	1/2	4,565.70	1/2	4,188.94	1/2	3,801.68	1/2	3,414.41	1/2	3,027.15
3/4		3/4		3/4		3/4	5,258.23	3/4	4,910.90	3/4	4,558.11	3/4	4,180.87	3/4	3,793.61	3/4	3,406.35	3/4	3,019.08
8		8		8		8	5,251.90	8	4,903.81	8	4,550.52	8	4,172.81	8	3,785.54	8	3,398.28	8	3,011.01
1/4		1/4		1/4		1/4	5,244.25	1/4	4,896.68	1/4	4,542.89	1/4	4,164.74	1/4	3,777.47	1/4	3,390.21	1/4	3,002.95
1/2		1/2		1/2		1/2	5,236.60	1/2	4,889.55	1/2	4,535.25	1/2	4,156.67	1/2	3,769.41	1/2	3,382.14	1/2	2,994.88
3/4		3/4		3/4		3/4	5,228.96	3/4	4,882.43	3/4	4,527.62	3/4	4,148.60	3/4	3,761.34	3/4	3,374.07	3/4	2,986.81
9		9		9		9	5,221.31	9	4,875.30	9	4,519.98	9	4,140.53	9	3,753.27	9	3,366.01	9	2,978.74
1/4		1/4		1/4		1/4	5,213.36	1/4	4,868.13	1/4	4,512.31	1/4	4,132.47	1/4	3,745.20	1/4	3,357.94	1/4	2,970.67
1/2		1/2		1/2		1/2	5,205.41	1/2	4,860.96	1/2	4,504.63	1/2	4,124.40	1/2	3,737.13	1/2	3,349.87	1/2	2,962.61
3/4		3/4		3/4		3/4	5,197.46	3/4	4,853.78	3/4	4,496.96	3/4	4,116.33	3/4	3,729.07	3/4	3,341.80	3/4	2,954.54
10		10		10		10	5,189.51	10	4,846.61	10	4,489.28	10	4,108.26	10	3,721.00	10	3,333.73	10	2,946.47
1/4		1/4		1/4		1/4	5,181.56	1/4	4,839.40	1/4	4,481.56	1/4	4,100.19	1/4	3,712.93	1/4	3,325.67	1/4	2,938.40
1/2		1/2		1/2		1/2	5,173.61	1/2	4,832.19	1/2	4,473.84	1/2	4,092.13	1/2	3,704.86	1/2	3,317.60	1/2	2,930.33
3/4		3/4		3/4		3/4	5,165.66	3/4	4,824.98	3/4	4,466.13	3/4	4,084.06	3/4	3,696.79	3/4	3,309.53	3/4	2,922.27
11		11		11		11	5,157.71	11	4,817.76	11	4,458.41	11	4,075.99	11	3,688.73	11	3,301.46	11	2,914.20
1/4		1/4		1/4		1/4	5,149.76	1/4	4,810.51	1/4	4,450.65	1/4	4,067.92	1/4	3,680.66	1/4	3,293.39	1/4	2,906.13
1/2		1/2		1/2		1/2	5,141.81	1/2	4,803.25	1/2	4,442.89	1/2	4,059.85	1/2	3,672.59	1/2	3,285.33	1/2	2,898.06
3/4		3/4		3/4		3/4	5,133.86	3/4	4,796.00	3/4	4,435.13	3/4	4,051.79	3/4	3,664.52	3/4	3,277.26	3/4	2,889.99

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 29064"

## 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	2,494.61	0	2,107.14	0	1,719.67	0	1,332.20	0	944.73	0	557.31	0	169.90	0		0			
1/4	2,486.54	1/4	2,099.07	1/4	1,711.60	1/4	1,324.13	1/4	936.66	1/4	549.24	1/4	161.82	1/4		1/4			
1/2	2,478.46	1/2	2,090.99	1/2	1,703.52	1/2	1,316.05	1/2	928.58	1/2	541.17	1/2	153.75	1/2		1/2			
3/4	2,470.39	3/4	2,082.92	3/4	1,695.45	3/4	1,307.98	3/4	920.51	3/4	533.10	3/4	145.68	3/4		3/4			
1	2,462.32	1	2,074.85	1	1,687.38	1	1,299.91	1	912.44	1	525.03	1	137.61	1		1			
1/4	2,454.25	1/4	2,066.78	1/4	1,679.31	1/4	1,291.84	1/4	904.37	1/4	516.96	1/4	129.53	1/4		1/4			
1/2	2,446.18	1/2	2,058.71	1/2	1,671.23	1/2	1,283.76	1/2	896.29	1/2	508.89	1/2	121.46	1/2		1/2			
3/4	2,438.10	3/4	2,050.63	3/4	1,663.16	3/4	1,275.69	3/4	888.22	3/4	500.83	3/4	113.39	3/4		3/4			
2	2,430.03	2	2,042.56	2	1,655.09	2	1,267.62	2	880.15	2	492.76	2	105.32	2		2			
1/4	2,421.96	1/4	2,034.49	1/4	1,647.02	1/4	1,259.55	1/4	872.08	1/4	484.69	1/4	97.25	1/4		1/4			
1/2	2,413.89	1/2	2,026.42	1/2	1,638.95	1/2	1,251.48	1/2	864.00	1/2	476.62	1/2	89.17	1/2		1/2			
3/4	2,405.81	3/4	2,018.34	3/4	1,630.87	3/4	1,243.40	3/4	855.93	3/4	468.55	3/4	81.10	3/4		3/4			
3	2,397.74	3	2,010.27	3	1,622.80	3	1,235.33	3	847.86	3	460.48	3	73.03	3		3			
1/4	2,389.67	1/4	2,002.20	1/4	1,614.73	1/4	1,227.26	1/4	839.79	1/4	452.41	1/4	65.71	1/4		1/4			
1/2	2,381.60	1/2	1,994.13	1/2	1,606.66	1/2	1,219.19	1/2	831.72	1/2	444.34	1/2	58.40	1/2		1/2			
3/4	2,373.52	3/4	1,986.05	3/4	1,598.58	3/4	1,211.11	3/4	823.64	3/4	436.27	3/4	51.08	3/4		3/4			
4	2,365.45	4	1,977.98	4	1,590.51	4	1,203.04	4	815.57	4	428.21	4	43.77	4		4			
1/4	2,357.38	1/4	1,969.91	1/4	1,582.44	1/4	1,194.97	1/4	807.50	1/4	420.13	1/4	38.22	1/4		1/4			
1/2	2,349.31	1/2	1,961.84	1/2	1,574.37	1/2	1,186.90	1/2	799.43	1/2	412.06	1/2	32.67	1/2		1/2			
3/4	2,341.24	3/4	1,953.77	3/4	1,566.29	3/4	1,178.82	3/4	791.35	3/4	403.99	3/4	27.12	3/4		3/4			
5	2,333.16	5	1,945.69	5	1,558.22	5	1,170.75	5	783.28	5	395.92	5	21.56	5		5			
1/4	2,325.09	1/4	1,937.62	1/4	1,550.15	1/4	1,162.68	1/4	775.21	1/4	387.85	1/4		1/4		1/4			
1/2	2,317.02	1/2	1,929.55	1/2	1,542.08	1/2	1,154.61	1/2	767.14	1/2	379.78	1/2		1/2		1/2			
3/4	2,308.95	3/4	1,921.48	3/4	1,534.01	3/4	1,146.54	3/4	759.06	3/4	371.70	3/4		3/4		3/4			
6	2,300.87	6	1,913.40	6	1,525.93	6	1,138.46	6	750.99	6	363.63	6		6		6			
1/4	2,292.80	1/4	1,905.33	1/4	1,517.86	1/4	1,130.39	1/4	742.92	1/4	355.56	1/4		1/4		1/4			
1/2	2,284.73	1/2	1,897.26	1/2	1,509.79	1/2	1,122.32	1/2	734.85	1/2	347.49	1/2		1/2		1/2			
3/4	2,276.66	3/4	1,889.19	3/4	1,501.72	3/4	1,114.25	3/4	726.78	3/4	339.41	3/4		3/4		3/4			
7	2,268.59	7	1,881.11	7	1,493.64	7	1,106.17	7	718.70	7	331.34	7		7		7			
1/4	2,260.51	1/4	1,873.04	1/4	1,485.57	1/4	1,098.10	1/4	710.63	1/4	323.27	1/4		1/4		1/4			
1/2	2,252.44	1/2	1,864.97	1/2	1,477.50	1/2	1,090.03	1/2	702.56	1/2	315.20	1/2		1/2		1/2			
3/4	2,244.37	3/4	1,856.90	3/4	1,469.43	3/4	1,081.96	3/4	694.49	3/4	307.12	3/4		3/4		3/4			
8	2,236.30	8	1,848.83	8	1,461.36	8	1,073.88	8	686.41	8	299.05	8		8		8			
1/4	2,228.22	1/4	1,840.75	1/4	1,453.28	1/4	1,065.81	1/4	678.34	1/4	290.98	1/4		1/4		1/4			
1/2	2,220.15	1/2	1,832.68	1/2	1,445.21	1/2	1,057.74	1/2	670.27	1/2	282.91	1/2		1/2		1/2			
3/4	2,212.08	3/4	1,824.61	3/4	1,437.14	3/4	1,049.67	3/4	662.20	3/4	274.84	3/4		3/4		3/4			
9	2,204.01	9	1,816.54	9	1,429.07	9	1,041.60	9	654.13	9	266.76	9		9		9			
1/4	2,195.93	1/4	1,808.46	1/4	1,420.99	1/4	1,033.52	1/4	646.07	1/4	258.69	1/4		1/4		1/4			
1/2	2,187.86	1/2	1,800.39	1/2	1,412.92	1/2	1,025.45	1/2	638.00	1/2	250.62	1/2		1/2		1/2			
3/4	2,179.79	3/4	1,792.32	3/4	1,404.85	3/4	1,017.38	3/4	629.93	3/4	242.55	3/4		3/4		3/4			
10	2,171.72	10	1,784.25	10	1,396.78	10	1,009.31	10	621.86	10	234.47	10		10		10			
1/4	2,163.65	1/4	1,776.17	1/4	1,388.70	1/4	1,001.23	1/4	613.79	1/4	226.40	1/4		1/4		1/4			
1/2	2,155.57	1/2	1,768.10	1/2	1,380.63	1/2	993.16	1/2	605.72	1/2	218.33	1/2		1/2		1/2			
3/4	2,147.50	3/4	1,760.03	3/4	1,372.56	3/4	985.09	3/4	597.65	3/4	210.26	3/4		3/4		3/4			
11	2,139.43	11	1,751.96	11	1,364.49	11	977.02	11	589.58	11	202.19	11		11		11			
1/4	2,131.36	1/4	1,743.89	1/4	1,356.42	1/4	968.94	1/4	581.51	1/4	194.11	1/4		1/4		1/4			
1/2	2,123.28	1/2	1,735.81	1/2	1,348.34	1/2	960.87	1/2	573.45	1/2	186.04	1/2		1/2		1/2			
3/4	2,115.21	3/4	1,727.74	3/4	1,340.27	3/4	952.80	3/4	565.38	3/4	177.97	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2017 SW  
CALCULATED: 05/11/2017 CL  
PRINTED: 05/12/2017 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2017

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



# BARGE "KIRBY 29064"

## 3 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	4,517.74	0	4,260.56	0	3,984.75	0	3,692.14	0	3,386.05	0	3,025.45	0	2,664.33
1/4		1/4		1/4		1/4	4,512.39	1/4	4,255.00	1/4	3,978.81	1/4	3,685.99	1/4	3,378.54	1/4	3,017.93	1/4	2,656.80
1/2		1/2		1/2		1/2	4,507.04	1/2	4,249.43	1/2	3,972.86	1/2	3,679.84	1/2	3,371.03	1/2	3,010.41	1/2	2,649.28
3/4		3/4		3/4		3/4	4,501.69	3/4	4,243.87	3/4	3,966.91	3/4	3,673.69	3/4	3,363.52	3/4	3,002.88	3/4	2,641.76
1		1		1		1	4,496.56	1	4,238.28	1	3,960.93	1	3,667.54	1	3,356.01	1	2,995.36	1	2,634.23
1/4		1/4		1/4		1/4	4,491.42	1/4	4,232.69	1/4	3,954.96	1/4	3,661.40	1/4	3,348.50	1/4	2,987.84	1/4	2,626.71
1/2		1/2		1/2		1/2	4,486.29	1/2	4,227.09	1/2	3,948.98	1/2	3,655.25	1/2	3,340.99	1/2	2,980.31	1/2	2,619.19
3/4		3/4		3/4		3/4	4,481.15	3/4	4,221.50	3/4	3,943.00	3/4	3,649.10	3/4	3,333.48	3/4	2,972.79	3/4	2,611.66
2		2		2		2	4,475.98	2	4,215.87	2	3,936.99	2	3,642.95	2	3,325.98	2	2,965.27	2	2,604.14
1/4		1/4		1/4		1/4	4,470.81	1/4	4,210.25	1/4	3,930.98	1/4	3,636.80	1/4	3,318.47	1/4	2,957.74	1/4	2,596.61
1/2		1/2		1/2		1/2	4,465.65	1/2	4,204.62	1/2	3,924.97	1/2	3,630.65	1/2	3,310.96	1/2	2,950.22	1/2	2,589.09
3/4		3/4		3/4		3/4	4,460.48	3/4	4,199.00	3/4	3,918.96	3/4	3,624.50	3/4	3,303.45	3/4	2,942.70	3/4	2,581.57
3		3		3		3	4,455.22	3	4,193.34	3	3,912.90	3	3,618.35	3	3,295.94	3	2,935.17	3	2,574.04
1/4		1/4		1/4		1/4	4,449.97	1/4	4,187.68	1/4	3,906.84	1/4	3,612.20	1/4	3,288.43	1/4	2,927.65	1/4	2,566.52
1/2		1/2		1/2		1/2	4,444.71	1/2	4,182.02	1/2	3,900.79	1/2	3,606.05	1/2	3,280.93	1/2	2,920.13	1/2	2,559.00
3/4		3/4		3/4		3/4	4,439.46	3/4	4,176.37	3/4	3,894.73	3/4	3,599.90	3/4	3,273.42	3/4	2,912.60	3/4	2,551.47
4		4		4		4	4,434.15	4	4,170.68	4	3,888.64	4	3,593.75	4	3,265.91	4	2,905.08	4	2,543.95
1/4		1/4		1/4		1/4	4,428.85	1/4	4,164.99	1/4	3,882.54	1/4	3,587.60	1/4	3,258.40	1/4	2,897.55	1/4	2,536.43
1/2		1/2		1/2		1/2	4,423.55	1/2	4,159.30	1/2	3,876.45	1/2	3,581.46	1/2	3,250.89	1/2	2,890.03	1/2	2,528.90
3/4		3/4		3/4		3/4	4,418.24	3/4	4,153.61	3/4	3,870.36	3/4	3,575.31	3/4	3,243.38	3/4	2,882.51	3/4	2,521.38
5		5		5		5	4,412.90	5	4,147.89	5	3,864.23	5	3,569.16	5	3,235.87	5	2,874.98	5	2,513.86
1/4		1/4		1/4		1/4	4,407.57	1/4	4,142.16	1/4	3,858.11	1/4	3,563.01	1/4	3,228.37	1/4	2,867.46	1/4	2,506.33
1/2		1/2		1/2		1/2	4,402.23	1/2	4,136.44	1/2	3,851.98	1/2	3,556.86	1/2	3,220.86	1/2	2,859.94	1/2	2,498.81
3/4		3/4		3/4		3/4	4,396.89	3/4	4,130.72	3/4	3,845.86	3/4	3,550.71	3/4	3,213.35	3/4	2,852.41	3/4	2,491.29
6		6		6		6	4,391.53	6	4,124.97	6	3,839.71	6	3,544.56	6	3,205.84	6	2,844.89	6	2,483.76
1/4		1/4		1/4		1/4	4,386.16	1/4	4,119.21	1/4	3,833.57	1/4	3,538.41	1/4	3,198.33	1/4	2,837.37	1/4	2,476.24
1/2		1/2		1/2		1/2	4,640.14	1/2	4,380.79	1/2	4,113.46	1/2	3,827.42	1/2	3,532.26	1/2	3,190.82	1/2	2,829.84
3/4		3/4		3/4		3/4	4,637.10	3/4	4,375.42	3/4	4,107.70	3/4	3,821.27	3/4	3,526.11	3/4	3,183.31	3/4	2,822.32
7		7		7		7	4,632.55	7	4,370.02	7	4,101.92	7	3,815.13	7	3,519.97	7	3,175.81	7	2,814.80
1/4		1/4		1/4		1/4	4,628.00	1/4	4,364.62	1/4	4,096.13	1/4	3,808.98	1/4	3,513.82	1/4	3,168.30	1/4	2,807.27
1/2		1/2		1/2		1/2	4,623.45	1/2	4,359.22	1/2	4,090.35	1/2	3,802.83	1/2	3,507.67	1/2	3,160.79	1/2	2,799.75
3/4		3/4		3/4		3/4	4,618.90	3/4	4,353.82	3/4	4,084.56	3/4	3,796.68	3/4	3,501.53	3/4	3,153.28	3/4	2,792.23
8		8		8		8	4,613.12	8	4,348.38	8	4,078.74	8	3,790.53	8	3,495.38	8	3,145.77	8	2,784.70
1/4		1/4		1/4		1/4	4,607.34	1/4	4,342.95	1/4	4,072.92	1/4	3,784.38	1/4	3,489.23	1/4	3,138.26	1/4	2,777.18
1/2		1/2		1/2		1/2	4,601.57	1/2	4,337.52	1/2	4,067.11	1/2	3,778.23	1/2	3,483.09	1/2	3,130.76	1/2	2,769.66
3/4		3/4		3/4		3/4	4,595.79	3/4	4,332.08	3/4	4,061.29	3/4	3,772.08	3/4	3,476.94	3/4	3,123.25	3/4	2,762.13
9		9		9		9	4,589.73	9	4,326.62	9	4,055.44	9	3,765.93	9	3,470.80	9	3,115.73	9	2,754.61
1/4		1/4		1/4		1/4	4,583.68	1/4	4,321.15	1/4	4,049.59	1/4	3,759.78	1/4	3,464.65	1/4	3,108.21	1/4	2,747.08
1/2		1/2		1/2		1/2	4,577.62	1/2	4,315.69	1/2	4,043.74	1/2	3,753.63	1/2	3,458.50	1/2	3,100.69	1/2	2,739.56
3/4		3/4		3/4		3/4	4,571.56	3/4	4,310.22	3/4	4,037.89	3/4	3,747.48	3/4	3,452.36	3/4	3,093.17	3/4	2,732.04
10		10		10		10	4,565.50	10	4,304.73	10	4,032.00	10	3,741.33	10	3,445.18	10	3,085.64	10	2,724.51
1/4		1/4		1/4		1/4	4,559.44	1/4	4,299.23	1/4	4,026.12	1/4	3,735.19	1/4	3,438.00	1/4	3,078.12	1/4	2,716.99
1/2		1/2		1/2		1/2	4,553.38	1/2	4,293.73	1/2	4,020.24	1/2	3,729.04	1/2	3,430.83	1/2	3,070.60	1/2	2,709.47
3/4		3/4		3/4		3/4	4,547.32	3/4	4,288.24	3/4	4,014.36	3/4	3,722.89	3/4	3,423.65	3/4	3,063.07	3/4	2,701.94
11		11		11		11	4,541.26	11	4,282.71	11	4,008.44	11	3,716.74	11	3,416.13	11	3,055.55	11	2,694.42
1/4		1/4		1/4		1/4	4,535.21	1/4	4,277.18	1/4	4,002.53	1/4	3,710.59	1/4	3,408.61	1/4	3,048.02	1/4	2,686.90
1/2		1/2		1/2		1/2	4,529.15	1/2	4,271.65	1/2	3,996.61	1/2	3,704.44	1/2	3,401.09	1/2	3,040.50	1/2	2,679.37
3/4		3/4		3/4		3/4	4,523.09	3/4	4,266.12	3/4	3,990.70	3/4	3,698.29	3/4	3,393.56	3/4	3,032.98	3/4	2,671.85

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 29064"

## 3 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	2,303.21	0	1,941.76	0	1,582.87	0	1,221.81	0	860.86	0	512.45	0	151.21	0		0		0	
1/4	2,295.69	1/4	1,934.25	1/4	1,575.38	1/4	1,214.29	1/4	853.54	1/4	504.99	1/4	143.67	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,288.16	1/2	1,926.74	1/2	1,567.89	1/2	1,206.76	1/2	846.22	1/2	497.53	1/2	136.14	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,280.63	3/4	1,919.23	3/4	1,560.40	3/4	1,199.24	3/4	838.90	3/4	490.08	3/4	128.60	3/4	3/4	3/4	3/4	3/4	3/4
1	2,273.11	1	1,911.75	1	1,552.88	1	1,191.71	1	831.65	1	482.55	1	121.06	1	1	1	1	1	1
1/4	2,265.58	1/4	1,904.27	1/4	1,545.37	1/4	1,184.19	1/4	824.40	1/4	475.02	1/4	113.52	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,258.05	1/2	1,896.79	1/2	1,537.85	1/2	1,176.66	1/2	817.15	1/2	467.49	1/2	105.98	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,250.53	3/4	1,889.31	3/4	1,530.33	3/4	1,169.14	3/4	809.90	3/4	459.96	3/4	98.43	3/4	3/4	3/4	3/4	3/4	3/4
2	2,243.00	2	1,881.84	2	1,522.81	2	1,161.61	2	802.65	2	452.44	2	90.89	2	2	2	2	2	2
1/4	2,235.47	1/4	1,874.36	1/4	1,515.28	1/4	1,154.09	1/4	795.39	1/4	444.91	1/4	83.35	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,227.93	1/2	1,866.89	1/2	1,507.76	1/2	1,146.56	1/2	788.14	1/2	437.38	1/2	75.80	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,220.40	3/4	1,859.42	3/4	1,500.23	3/4	1,139.04	3/4	780.89	3/4	429.85	3/4	68.26	3/4	3/4	3/4	3/4	3/4	3/4
3	2,212.87	3	1,851.94	3	1,492.71	3	1,131.51	3	773.64	3	422.32	3	61.42	3	3	3	3	3	3
1/4	2,205.34	1/4	1,844.47	1/4	1,485.18	1/4	1,123.99	1/4	766.39	1/4	414.80	1/4	54.59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,197.81	1/2	1,837.00	1/2	1,477.66	1/2	1,116.47	1/2	759.14	1/2	407.27	1/2	47.75	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,190.28	3/4	1,829.52	3/4	1,470.13	3/4	1,108.94	3/4	751.89	3/4	399.74	3/4	40.92	3/4	3/4	3/4	3/4	3/4	3/4
4	2,182.75	4	1,822.05	4	1,462.61	4	1,101.42	4	744.64	4	392.21	4	35.73	4	4	4	4	4	4
1/4	2,175.22	1/4	1,814.57	1/4	1,455.08	1/4	1,093.90	1/4	737.39	1/4	384.68	1/4	30.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,167.68	1/2	1,807.10	1/2	1,447.56	1/2	1,086.37	1/2	730.14	1/2	377.15	1/2	25.36	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,160.15	3/4	1,799.63	3/4	1,440.03	3/4	1,078.85	3/4	722.88	3/4	369.62	3/4	20.17	3/4	3/4	3/4	3/4	3/4	3/4
5	2,152.62	5	1,792.15	5	1,432.51	5	1,071.33	5	715.63	5	362.09	5		5	5	5	5	5	5
1/4	2,145.09	1/4	1,784.68	1/4	1,424.98	1/4	1,063.81	1/4	708.38	1/4	354.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,137.56	1/2	1,777.21	1/2	1,417.46	1/2	1,056.28	1/2	701.13	1/2	347.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,130.03	3/4	1,769.73	3/4	1,409.93	3/4	1,048.76	3/4	693.88	3/4	339.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,122.50	6	1,762.26	6	1,402.41	6	1,041.24	6	686.63	6	331.96	6		6	6	6	6	6	6
1/4	2,114.96	1/4	1,754.78	1/4	1,394.88	1/4	1,033.71	1/4	679.38	1/4	324.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,107.43	1/2	1,747.31	1/2	1,387.36	1/2	1,026.19	1/2	672.13	1/2	316.90	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,099.90	3/4	1,739.84	3/4	1,379.83	3/4	1,018.67	3/4	664.88	3/4	309.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,092.37	7	1,732.36	7	1,372.31	7	1,011.15	7	657.63	7	301.84	7		7	7	7	7	7	7
1/4	2,084.84	1/4	1,724.89	1/4	1,364.78	1/4	1,003.62	1/4	650.37	1/4	294.30	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,077.31	1/2	1,717.42	1/2	1,357.26	1/2	996.10	1/2	643.12	1/2	286.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,069.78	3/4	1,709.94	3/4	1,349.73	3/4	988.58	3/4	635.87	3/4	279.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,062.24	8	1,702.47	8	1,342.21	8	981.05	8	628.62	8	271.71	8		8	8	8	8	8	8
1/4	2,054.71	1/4	1,695.00	1/4	1,334.68	1/4	973.53	1/4	621.38	1/4	264.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,047.18	1/2	1,687.52	1/2	1,327.16	1/2	966.01	1/2	614.13	1/2	256.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,039.65	3/4	1,680.05	3/4	1,319.64	3/4	958.49	3/4	606.88	3/4	249.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,032.12	9	1,672.57	9	1,312.11	9	950.96	9	599.63	9	241.59	9		9	9	9	9	9	9
1/4	2,024.59	1/4	1,665.10	1/4	1,304.59	1/4	943.44	1/4	592.38	1/4	234.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,017.06	1/2	1,657.63	1/2	1,297.06	1/2	935.92	1/2	585.14	1/2	226.52	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,009.53	3/4	1,650.15	3/4	1,289.54	3/4	928.39	3/4	577.89	3/4	218.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,001.99	10	1,642.68	10	1,282.01	10	920.87	10	570.64	10	211.46	10		10	10	10	10	10	10
1/4	1,994.46	1/4	1,635.21	1/4	1,274.49	1/4	913.35	1/4	563.39	1/4	203.93	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,986.93	1/2	1,627.73	1/2	1,266.96	1/2	905.83	1/2	556.15	1/2	196.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,979.40	3/4	1,620.26	3/4	1,259.44	3/4	898.30	3/4	548.90	3/4	188.87	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,971.87	11	1,612.78	11	1,251.91	11	890.77	11	541.65	11	181.34	11		11	11	11	11	11	11
1/4	1,964.34	1/4	1,605.31	1/4	1,244.39	1/4	883.24	1/4	534.40	1/4	173.81	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,956.81	1/2	1,597.84	1/2	1,236.86	1/2	875.71	1/2	527.16	1/2	166.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,949.27	3/4	1,590.36	3/4	1,229.34	3/4	868.19	3/4	519.91	3/4	158.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2017 SW  
CALCULATED: 05/11/2017 CL  
PRINTED: 05/12/2017 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2017

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



# BARGE "KIRBY 29064"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	4,511.93	0	4,255.76	0	3,980.90	0	3,689.50	0	3,383.53	0	3,024.11	0	2,664.16		
1/4		1/4		1/4		1/4	4,506.61	1/4	4,250.22	1/4	3,974.98	1/4	3,683.38	1/4	3,376.04	1/4	3,016.61	1/4	2,656.66		
1/2		1/2		1/2		1/2	4,501.28	1/2	4,244.69	1/2	3,969.06	1/2	3,677.26	1/2	3,368.56	1/2	3,009.11	1/2	2,649.16		
3/4		3/4		3/4		3/4	4,496.17	3/4	4,239.12	3/4	3,963.11	3/4	3,671.15	3/4	3,361.08	3/4	3,001.61	3/4	2,641.66		
1		1		1		1	4,491.06	1	4,233.56	1	3,957.16	1	3,665.03	1	3,353.59	1	2,994.11	1	2,634.16		
1/4		1/4		1/4		1/4	4,485.95	1/4	4,227.99	1/4	3,951.21	1/4	3,658.91	1/4	3,346.11	1/4	2,986.61	1/4	2,626.66		
1/2		1/2		1/2		1/2	4,480.84	1/2	4,222.42	1/2	3,945.26	1/2	3,652.79	1/2	3,338.62	1/2	2,979.11	1/2	2,619.17		
3/4		3/4		3/4		3/4	4,475.69	3/4	4,216.82	3/4	3,939.28	3/4	3,646.67	3/4	3,331.14	3/4	2,971.61	3/4	2,611.67		
2		2		2		2	4,470.55	2	4,211.23	2	3,933.30	2	3,640.55	2	3,323.66	2	2,964.11	2	2,604.17		
1/4		1/4		1/4		1/4	4,465.41	1/4	4,205.63	1/4	3,927.32	1/4	3,634.43	1/4	3,316.17	1/4	2,956.62	1/4	2,596.67		
1/2		1/2		1/2		1/2	4,460.26	1/2	4,200.03	1/2	3,921.34	1/2	3,628.31	1/2	3,308.69	1/2	2,949.12	1/2	2,589.17		
3/4		3/4		3/4		3/4	4,455.03	3/4	4,194.40	3/4	3,915.31	3/4	3,622.19	3/4	3,301.20	3/4	2,941.62	3/4	2,581.67		
3		3		3		3	4,449.80	3	4,188.77	3	3,909.28	3	3,616.07	3	3,293.72	3	2,934.12	3	2,574.17		
1/4		1/4		1/4		1/4	4,444.57	1/4	4,183.14	1/4	3,903.25	1/4	3,609.95	1/4	3,286.24	1/4	2,926.62	1/4	2,566.67		
1/2		1/2		1/2		1/2	4,439.34	1/2	4,177.51	1/2	3,897.23	1/2	3,603.83	1/2	3,278.75	1/2	2,919.12	1/2	2,559.17		
3/4		3/4		3/4		3/4	4,434.06	3/4	4,171.84	3/4	3,891.16	3/4	3,597.71	3/4	3,271.27	3/4	2,911.62	3/4	2,551.67		
4		4		4		4	4,428.79	4	4,166.18	4	3,885.10	4	3,591.59	4	3,263.78	4	2,904.12	4	2,544.18		
1/4		1/4		1/4		1/4	4,423.51	1/4	4,160.52	1/4	3,879.04	1/4	3,585.47	1/4	3,256.30	1/4	2,896.62	1/4	2,536.68		
1/2		1/2		1/2		1/2	4,418.23	1/2	4,154.86	1/2	3,872.97	1/2	3,579.35	1/2	3,248.82	1/2	2,889.13	1/2	2,529.18		
3/4		3/4		3/4		3/4	4,412.91	3/4	4,149.16	3/4	3,866.88	3/4	3,573.23	3/4	3,241.33	3/4	2,881.63	3/4	2,521.68		
5		5		5		5	4,407.60	5	4,143.47	5	3,860.78	5	3,567.11	5	3,233.85	5	2,874.13	5	2,514.18		
1/4		1/4		1/4		1/4	4,402.29	1/4	4,137.77	1/4	3,854.69	1/4	3,560.99	1/4	3,226.37	1/4	2,866.63	1/4	2,506.68		
1/2		1/2		1/2		1/2	4,396.98	1/2	4,132.08	1/2	3,848.59	1/2	3,554.87	1/2	3,218.88	1/2	2,859.13	1/2	2,499.18		
3/4		3/4		3/4		3/4	4,391.64	3/4	4,126.35	3/4	3,842.48	3/4	3,548.76	3/4	3,211.40	3/4	2,851.63	3/4	2,491.68		
6		6		6		6	4,386.29	6	4,120.63	6	3,836.36	6	3,542.64	6	3,203.91	6	2,844.13	6	2,484.18		
1/4		1/4		1/4		1/4	4,639.06	1/4	4,380.95	1/4	4,114.90	1/4	3,830.25	1/4	3,536.52	1/4	3,196.43	1/4	2,836.63	1/4	2,476.69
1/2		1/2		1/2		1/2	4,636.03	1/2	4,375.61	1/2	4,109.17	1/2	3,824.13	1/2	3,530.40	1/2	3,188.95	1/2	2,829.13	1/2	2,469.19
3/4		3/4		3/4		3/4	4,631.50	3/4	4,370.23	3/4	4,103.42	3/4	3,818.01	3/4	3,524.28	3/4	3,181.46	3/4	2,821.64	3/4	2,461.69
7		7		7		7	4,626.98	7	4,364.86	7	4,097.66	7	3,811.89	7	3,518.16	7	3,173.98	7	2,814.14	7	2,454.19
1/4		1/4		1/4		1/4	4,622.45	1/4	4,359.48	1/4	4,091.90	1/4	3,805.77	1/4	3,512.05	1/4	3,166.49	1/4	2,806.64	1/4	2,446.69
1/2		1/2		1/2		1/2	4,617.92	1/2	4,354.11	1/2	4,086.14	1/2	3,799.65	1/2	3,505.93	1/2	3,159.01	1/2	2,799.14	1/2	2,439.19
3/4		3/4		3/4		3/4	4,612.17	3/4	4,348.70	3/4	4,080.35	3/4	3,793.54	3/4	3,499.81	3/4	3,151.53	3/4	2,791.64	3/4	2,431.69
8		8		8		8	4,606.42	8	4,343.29	8	4,074.56	8	3,787.42	8	3,493.70	8	3,144.04	8	2,784.14	8	2,424.19
1/4		1/4		1/4		1/4	4,600.68	1/4	4,337.89	1/4	4,068.77	1/4	3,781.30	1/4	3,487.58	1/4	3,136.56	1/4	2,776.64	1/4	2,416.69
1/2		1/2		1/2		1/2	4,594.93	1/2	4,332.48	1/2	4,062.98	1/2	3,775.18	1/2	3,481.46	1/2	3,129.07	1/2	2,769.14	1/2	2,409.20
3/4		3/4		3/4		3/4	4,588.90	3/4	4,327.04	3/4	4,057.16	3/4	3,769.06	3/4	3,475.35	3/4	3,121.58	3/4	2,761.64	3/4	2,401.69
9		9		9		9	4,582.87	9	4,321.60	9	4,051.34	9	3,762.94	9	3,469.23	9	3,114.08	9	2,754.15	9	2,394.19
1/4		1/4		1/4		1/4	4,576.84	1/4	4,316.16	1/4	4,045.51	1/4	3,756.82	1/4	3,463.12	1/4	3,106.59	1/4	2,746.65	1/4	2,386.69
1/2		1/2		1/2		1/2	4,570.81	1/2	4,310.72	1/2	4,039.69	1/2	3,750.70	1/2	3,457.00	1/2	3,099.09	1/2	2,739.15	1/2	2,379.19
3/4		3/4		3/4		3/4	4,564.78	3/4	4,305.25	3/4	4,033.84	3/4	3,744.58	3/4	3,449.86	3/4	3,091.60	3/4	2,731.65	3/4	2,371.69
10		10		10		10	4,558.75	10	4,299.78	10	4,027.98	10	3,738.46	10	3,442.72	10	3,084.10	10	2,724.15	10	2,364.19
1/4		1/4		1/4		1/4	4,552.72	1/4	4,294.31	1/4	4,022.13	1/4	3,732.34	1/4	3,435.57	1/4	3,076.60	1/4	2,716.65	1/4	2,356.68
1/2		1/2		1/2		1/2	4,546.69	1/2	4,288.84	1/2	4,016.28	1/2	3,726.22	1/2	3,428.43	1/2	3,069.10	1/2	2,709.15	1/2	2,349.18
3/4		3/4		3/4		3/4	4,540.66	3/4	4,283.34	3/4	4,010.39	3/4	3,720.10	3/4	3,420.95	3/4	3,061.60	3/4	2,701.65	3/4	2,341.68
11		11		11		11	4,534.63	11	4,277.83	11	4,004.50	11	3,713.98	11	3,413.46	11	3,054.10	11	2,694.15	11	2,334.18
1/4		1/4		1/4		1/4	4,528.60	1/4	4,272.33	1/4	3,998.62	1/4	3,707.86	1/4	3,405.98	1/4	3,046.60	1/4	2,686.66	1/4	2,326.67
1/2		1/2		1/2		1/2	4,522.58	1/2	4,266.83	1/2	3,992.73	1/2	3,701.74	1/2	3,398.50	1/2	3,039.10	1/2	2,679.16	1/2	2,319.17
3/4		3/4		3/4		3/4	4,517.25	3/4	4,261.29	3/4	3,986.81	3/4	3,695.62	3/4	3,391.01	3/4	3,031.60	3/4	2,671.66	3/4	2,311.67

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 29064"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,304.16	0	1,943.89	0	1,583.61	0	1,223.64	0	863.43	0	503.21	0	142.98	0		0		0	
1/4	2,296.66	1/4	1,936.38	1/4	1,576.11	1/4	1,216.14	1/4	855.93	1/4	495.71	1/4	135.47	1/4		1/4		1/4	
1/2	2,289.16	1/2	1,928.87	1/2	1,568.61	1/2	1,208.64	1/2	848.42	1/2	488.20	1/2	127.97	1/2		1/2		1/2	
3/4	2,281.65	3/4	1,921.37	3/4	1,561.11	3/4	1,201.14	3/4	840.92	3/4	480.70	3/4	120.46	3/4		3/4		3/4	
1	2,274.15	1	1,913.86	1	1,553.61	1	1,193.64	1	833.41	1	473.20	1	112.96	1		1		1	
1/4	2,266.64	1/4	1,906.36	1/4	1,546.12	1/4	1,186.14	1/4	825.90	1/4	465.70	1/4	105.45	1/4		1/4		1/4	
1/2	2,259.13	1/2	1,898.85	1/2	1,538.62	1/2	1,178.64	1/2	818.40	1/2	458.19	1/2	97.95	1/2		1/2		1/2	
3/4	2,251.63	3/4	1,891.34	3/4	1,531.12	3/4	1,171.15	3/4	810.89	3/4	450.69	3/4	90.44	3/4		3/4		3/4	
2	2,244.12	2	1,883.84	2	1,523.62	2	1,163.65	2	803.39	2	443.19	2	82.93	2		2		2	
1/4	2,236.62	1/4	1,876.33	1/4	1,516.12	1/4	1,156.15	1/4	795.88	1/4	435.69	1/4	75.43	1/4		1/4		1/4	
1/2	2,229.11	1/2	1,868.83	1/2	1,508.62	1/2	1,148.65	1/2	788.37	1/2	428.18	1/2	67.92	1/2		1/2		1/2	
3/4	2,221.60	3/4	1,861.32	3/4	1,501.12	3/4	1,141.14	3/4	780.87	3/4	420.68	3/4	61.12	3/4		3/4		3/4	
3	2,214.10	3	1,853.81	3	1,493.62	3	1,133.64	3	773.36	3	413.18	3	54.32	3		3		3	
1/4	2,206.59	1/4	1,846.31	1/4	1,486.12	1/4	1,126.14	1/4	765.86	1/4	405.68	1/4	47.51	1/4		1/4		1/4	
1/2	2,199.09	1/2	1,838.80	1/2	1,478.62	1/2	1,118.63	1/2	758.35	1/2	398.17	1/2	40.71	1/2		1/2		1/2	
3/4	2,191.58	3/4	1,831.30	3/4	1,471.12	3/4	1,111.13	3/4	750.84	3/4	390.67	3/4	35.55	3/4		3/4		3/4	
4	2,184.07	4	1,823.79	4	1,463.62	4	1,103.62	4	743.34	4	383.17	4	30.39	4		4		4	
1/4	2,176.57	1/4	1,816.29	1/4	1,456.12	1/4	1,096.12	1/4	735.83	1/4	375.66	1/4	25.23	1/4		1/4		1/4	
1/2	2,169.06	1/2	1,808.78	1/2	1,448.62	1/2	1,088.61	1/2	728.33	1/2	368.16	1/2	20.07	1/2		1/2		1/2	
3/4	2,161.56	3/4	1,801.27	3/4	1,441.12	3/4	1,081.10	3/4	720.82	3/4	360.65	3/4		3/4		3/4		3/4	
5	2,154.05	5	1,793.77	5	1,433.62	5	1,073.60	5	713.31	5	353.15	5		5		5		5	
1/4	2,146.54	1/4	1,786.26	1/4	1,426.12	1/4	1,066.09	1/4	705.81	1/4	345.64	1/4		1/4		1/4		1/4	
1/2	2,139.04	1/2	1,778.76	1/2	1,418.63	1/2	1,058.59	1/2	698.30	1/2	338.13	1/2		1/2		1/2		1/2	
3/4	2,131.53	3/4	1,771.25	3/4	1,411.13	3/4	1,051.08	3/4	690.80	3/4	330.63	3/4		3/4		3/4		3/4	
6	2,124.03	6	1,763.74	6	1,403.63	6	1,043.57	6	683.29	6	323.12	6		6		6		6	
1/4	2,116.52	1/4	1,756.24	1/4	1,396.13	1/4	1,036.07	1/4	675.79	1/4	315.62	1/4		1/4		1/4		1/4	
1/2	2,109.02	1/2	1,748.73	1/2	1,388.63	1/2	1,028.56	1/2	668.28	1/2	308.11	1/2		1/2		1/2		1/2	
3/4	2,101.51	3/4	1,741.23	3/4	1,381.13	3/4	1,021.06	3/4	660.77	3/4	300.60	3/4		3/4		3/4		3/4	
7	2,094.00	7	1,733.72	7	1,373.63	7	1,013.55	7	653.27	7	293.10	7		7		7		7	
1/4	2,086.50	1/4	1,726.21	1/4	1,366.13	1/4	1,006.04	1/4	645.76	1/4	285.59	1/4		1/4		1/4		1/4	
1/2	2,078.99	1/2	1,718.71	1/2	1,358.63	1/2	998.54	1/2	638.26	1/2	278.09	1/2		1/2		1/2		1/2	
3/4	2,071.49	3/4	1,711.20	3/4	1,351.13	3/4	991.03	3/4	630.75	3/4	270.58	3/4		3/4		3/4		3/4	
8	2,063.98	8	1,703.70	8	1,343.63	8	983.53	8	623.25	8	263.07	8		8		8		8	
1/4	2,056.47	1/4	1,696.19	1/4	1,336.13	1/4	976.02	1/4	615.75	1/4	255.57	1/4		1/4		1/4		1/4	
1/2	2,048.97	1/2	1,688.69	1/2	1,328.63	1/2	968.52	1/2	608.24	1/2	248.06	1/2		1/2		1/2		1/2	
3/4	2,041.46	3/4	1,681.18	3/4	1,321.13	3/4	961.01	3/4	600.74	3/4	240.56	3/4		3/4		3/4		3/4	
9	2,033.96	9	1,673.67	9	1,313.63	9	953.50	9	593.24	9	233.05	9		9		9		9	
1/4	2,026.45	1/4	1,666.17	1/4	1,306.13	1/4	946.00	1/4	585.74	1/4	225.55	1/4		1/4		1/4		1/4	
1/2	2,018.94	1/2	1,658.66	1/2	1,298.64	1/2	938.49	1/2	578.23	1/2	218.04	1/2		1/2		1/2		1/2	
3/4	2,011.44	3/4	1,651.16	3/4	1,291.14	3/4	930.99	3/4	570.73	3/4	210.53	3/4		3/4		3/4		3/4	
10	2,003.93	10	1,643.65	10	1,283.64	10	923.48	10	563.23	10	203.03	10		10		10		10	
1/4	1,996.43	1/4	1,636.14	1/4	1,276.14	1/4	915.97	1/4	555.73	1/4	195.52	1/4		1/4		1/4		1/4	
1/2	1,988.92	1/2	1,628.64	1/2	1,268.64	1/2	908.47	1/2	548.22	1/2	188.02	1/2		1/2		1/2		1/2	
3/4	1,981.42	3/4	1,621.13	3/4	1,261.14	3/4	900.96	3/4	540.72	3/4	180.51	3/4		3/4		3/4		3/4	
11	1,973.91	11	1,613.63	11	1,253.64	11	893.46	11	533.22	11	173.00	11		11		11		11	
1/4	1,966.40	1/4	1,606.12	1/4	1,246.14	1/4	885.95	1/4	525.72	1/4	165.50	1/4		1/4		1/4		1/4	
1/2	1,958.90	1/2	1,598.61	1/2	1,238.64	1/2	878.44	1/2	518.21	1/2	157.99	1/2		1/2		1/2		1/2	
3/4	1,951.39	3/4	1,591.11	3/4	1,231.14	3/4	870.94	3/4	510.71	3/4	150.49	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2017 SW  
CALCULATED: 05/11/2017 CL  
PRINTED: 05/12/2017 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2017

PRECISION MEASUREMENT  
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