BARGE "KIRBY 29063"

ULLAGE TRIM TABLE

HERMETIC

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**
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	- 00-7/8	00-7/8	- 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	- 00-7/8	00-7/8	- 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"

February 17, 2017

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

BARGE "KIRBY 29063"

3 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	4,525.64	0	4,269.20	0	3,994.21	0	3,702.48	0	3,397.31	0	3,037.23	0	2,676.62
1/4		1/4		1/4		1/4	4,520.30	1/4	4,263.66	1/4	3,988.29	1/4	3,696.35	1/4	3,389.81	1/4	3,029.72	1/4	2,669.10
1/2		1/2		1/2		1/2	4,514.97	1/2	4,258.11	1/2	3,982.36	1/2	3,690.22	1/2	3,382.31	1/2	3,022.21	1/2	2,661.59
3/4		3/4		3/4		3/4	4,509.64	3/4	4,252.57	3/4	3,976.43	3/4	3,684.09	3/4	3,374.81	3/4	3,014.69	3/4	2,654.08
1		1		1		1	4,504.52	1	4,246.99	1	3,970.47	1	3,677.96	1	3,367.32	1	3,007.18	1	2,646.57
1/4		1/4		1/4		1/4	4,499.39	1/4	4,241.41	1/4	3,964.51	1/4	3,671.83	1/4	3,359.82	1/4	2,999.67	1/4	2,639.05
1/2		1/2		1/2		1/2	4,494.27	1/2	4,235.84	1/2	3,958.55	1/2	3,665.70	1/2	3,352.32	1/2	2,992.15	1/2	2,631.54
3/4		3/4		3/4		3/4	4,489.15	3/4	4,230.26	3/4	3,952.59	3/4	3,659.57	3/4	3,344.82	3/4	2,984.64	3/4	2,624.03
2		2		2		2	4,484.00	2	4,224.65	2	3,946.59	2	3,653.43	2	3,337.32	2	2,977.13	2	2,616.51
1/4		1/4		1/4		1/4	4,478.85	1/4	4,219.04	1/4	3,940.60	1/4	3,647.30	1/4	3,329.83	1/4	2,969.62	1/4	2,609.00
1/2		1/2		1/2		1/2	4,473.69	1/2	4,213.43	1/2	3,934.61	1/2	3,641.17	1/2	3,322.33	1/2	2,962.10	1/2	2,601.49
3/4		3/4		3/4		3/4	4,468.54	3/4	4,207.82	3/4	3,928.61	3/4	3,635.04	3/4	3,314.83	3/4	2,954.59	3/4	2,593.98
3		3		3		3	4,463.30	3	4,202.18	3	3,922.58	3	3,628.91	3	3,307.33	3	2,947.08	3	2,586.46
1/4		1/4		1/4		1/4	4,458.06	1/4	4,196.54	1/4	3,916.54	1/4	3,622.78	1/4	3,299.83	1/4	2,939.56	1/4	2,578.95
1/2		1/2		1/2		1/2	4,452.82	1/2	4,190.90	1/2	3,910.50	1/2	3,616.65	1/2	3,292.34	1/2	2,932.05	1/2	2,571.44
3/4		3/4		3/4		3/4	4,447.58	3/4	4,185.26	3/4	3,904.46	3/4	3,610.52	3/4	3,284.84	3/4	2,924.54	3/4	2,563.92
4		4		4		4	4,442.29	4	4,179.59	4	3,898.39	4	3,604.39	4	3,277.34	4	2,917.03	4	2,556.41
1/4		1/4		1/4		1/4	4,437.00	1/4	4,173.91	1/4	3,892.31	1/4	3,598.26	1/4	3,269.84	1/4	2,909.51	1/4	2,548.90
1/2		1/2		1/2		1/2	4,431.72	1/2	4,168.24	1/2	3,886.24	1/2	3,592.13	1/2	3,262.35	1/2	2,902.00	1/2	2,541.39
3/4		3/4		3/4		3/4	4,426.43	3/4	4,162.57	3/4	3,880.16	3/4	3,586.00	3/4	3,254.85	3/4	2,894.49	3/4	2,533.87
5		5		5		5	4,421.11	5	4,156.86	5	3,874.05	5	3,579.86	5	3,247.35	5	2,886.97	5	2,526.36
1/4		1/4		1/4		1/4	4,415.78	1/4	4,151.16	1/4	3,867.95	1/4	3,573.73	1/4	3,239.85	1/4	2,879.46	1/4	2,518.85
1/2		1/2		1/2		1/2	4,410.46	1/2	4,145.45	1/2	3,861.84	1/2	3,567.60	1/2	3,232.35	1/2	2,871.95	1/2	2,511.33
3/4		3/4		3/4		3/4	4,405.14	3/4	4,139.75	3/4	3,855.73	3/4	3,561.47	3/4	3,224.86	3/4	2,864.44	3/4	2,503.82
6		6		6		6	4,399.79	6	4,134.01	6	3,849.61	6	3,555.34	6	3,217.36	6	2,856.92	6	2,496.31
1/4		1/4		1/4		1/4	4,394.44	1/4	4,128.27	1/4	3,843.48	1/4	3,549.21	1/4	3,209.86	1/4	2,849.41	1/4	2,488.80
1/2		1/2		1/2	4,647.67	1/2	4,389.08	1/2	4,122.54	1/2	3,837.35	1/2	3,543.08	1/2	3,202.36	1/2	2,841.90	1/2	2,481.28
3/4		3/4		3/4	4,644.64	3/4	4,383.73	3/4	4,116.80	3/4	3,831.23	3/4	3,536.95	3/4	3,194.87	3/4	2,834.39	3/4	2,473.77
7		7		7	4,640.10	7	4,378.34	7	4,111.03	7	3,825.10	7	3,530.82	7	3,187.37	7	2,826.87	7	2,466.26
1/4		1/4		1/4	4,635.56	1/4	4,372.96	1/4	4,105.26	1/4	3,818.97	1/4	3,524.69	1/4	3,179.87	1/4	2,819.36	1/4	2,458.75
1/2		1/2		1/2	4,631.03	1/2	4,367.57	1/2	4,099.49	1/2	3,812.84	1/2	3,518.56	1/2	3,172.37	1/2	2,811.85	1/2	2,451.23
3/4		3/4		3/4	4,626.49	3/4	4,362.19	3/4	4,093.73	3/4	3,806.70	3/4	3,512.44	3/4	3,164.87	3/4	2,804.33	3/4	2,443.72
8		8		8	4,620.73	8	4,356.77	8	4,087.92	8	3,800.57	8	3,506.31	8	3,157.38	8	2,796.82	8	2,436.21
1/4		1/4		1/4	4,614.97	1/4	4,351.35	1/4	4,082.12	1/4	3,794.44	1/4	3,500.18	1/4	3,149.88	1/4	2,789.31	1/4	2,428.69
1/2		1/2		1/2	4,609.21	1/2	4,345.94	1/2	4,076.32	1/2	3,788.31	1/2	3,494.05	1/2	3,142.38	1/2	2,781.80	1/2	2,421.18
3/4		3/4		3/4	4,603.46	3/4	4,340.52	3/4	4,070.52	3/4	3,782.18	3/4	3,487.93	3/4	3,134.88	3/4	2,774.28	3/4	2,413.67
9		9		9	4,597.42	9	4,335.07	9	4,064.69	9	3,776.05	9	3,481.80	9	3,127.37	9	2,766.77	9	2,406.15
1/4		1/4		1/4	4,591.37	1/4	4,329.62	1/4	4,058.86	1/4	3,769.92	1/4	3,475.67	1/4	3,119.86	1/4	2,759.26	1/4	2,398.64
1/2		1/2		1/2	4,585.33	1/2	4,324.17	1/2	4,053.02	1/2	3,763.79	1/2	3,469.54	1/2	3,112.36	1/2	2,751.74	1/2	2,391.12
3/4		3/4		3/4	4,579.29	3/4	4,318.72	3/4	4,047.19	3/4	3,757.66	3/4	3,463.42	3/4	3,104.85	3/4	2,744.23	3/4	2,383.61
10		10		10	4,573.25	10	4,313.24	10	4,041.33	10	3,751.53	10	3,456.26	10	3,097.33	10	2,736.72	10	2,376.09
1/4		1/4		1/4	4,567.21	1/4	4,307.76	1/4	4,035.46	1/4	3,745.40	1/4	3,449.11	1/4	3,089.82	1/4	2,729.21	1/4	2,368.58
1/2		1/2		1/2	4,561.17	1/2	4,302.28	1/2	4,029.60	1/2	3,739.27	1/2	3,441.95	1/2	3,082.31	1/2	2,721.69	1/2	2,361.06
3/4		3/4		3/4	4,555.13	3/4	4,296.80	3/4	4,023.73	3/4	3,733.13	3/4	3,434.80	3/4	3,074.79	3/4	2,714.18	3/4	2,353.54
11		11		11	4,549.09	11	4,291.29	11	4,017.83	11	3,727.00	11	3,427.30	11	3,067.28	11	2,706.67	11	2,346.03
1/4		1/4		1/4	4,543.05	1/4	4,285.77	1/4	4,011.94	1/4	3,720.87	1/4	3,419.80	1/4	3,059.77	1/4	2,699.15	1/4	2,338.51
1/2		1/2		1/2	4,537.01	1/2	4,280.26	1/2	4,006.04	1/2	3,714.74	1/2	3,412.30	1/2	3,052.26	1/2	2,691.64	1/2	2,330.99
3/4		3/4		3/4	4,530.97	3/4	4,274.75	3/4	4,000.14	3/4	3,708.61	3/4	3,404.80	3/4	3,044.74	3/4	2,684.13	3/4	2,323.48

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'-03" FORWARD OF AFT BULKHEAD

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

BARGE "KIRBY 29063"

3 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	2,315.96	0	1,955.01	0	1,594.07	0	1,233.43	0	872.56	0	511.66	0	150.77	0		0		0	
1/4	2,308.44	1/4	1,947.49	1/4	1,586.55	1/4	1,225.91	1/4	865.04	1/4	504.15	1/4	143.25	1/4		1/4		1/4	
1/2	2,300.92	1/2	1,939.97	1/2	1,579.04	1/2	1,218.40	1/2	857.52	1/2	496.63	1/2	135.73	1/2		1/2		1/2	
3/4	2,293.40	3/4	1,932.45	3/4	1,571.53	3/4	1,210.89	3/4	850.00	3/4	489.11	3/4	128.21	3/4		3/4		3/4	
1	2,285.89	1	1,924.93	1	1,564.01	1	1,203.37	1	842.48	1	481.60	1	120.69	1		1		1	
1/4	2,278.37	1/4	1,917.41	1/4	1,556.50	1/4	1,195.86	1/4	834.96	1/4	474.08	1/4	113.17	1/4		1/4		1/4	
1/2	2,270.85	1/2	1,909.90	1/2	1,548.99	1/2	1,188.35	1/2	827.44	1/2	466.56	1/2	105.65	1/2		1/2		1/2	
3/4	2,263.33	3/4	1,902.38	3/4	1,541.47	3/4	1,180.83	3/4	819.92	3/4	459.05	3/4	98.13	3/4		3/4		3/4	
2	2,255.81	2	1,894.86	2	1,533.96	2	1,173.32	2	812.40	2	451.53	2	90.61	2		2		2	
1/4	2,248.29	1/4	1,887.34	1/4	1,526.45	1/4	1,165.81	1/4	804.88	1/4	444.01	1/4	83.09	1/4		1/4		1/4	
1/2	2,240.77	1/2	1,879.82	1/2	1,518.93	1/2	1,158.29	1/2	797.36	1/2	436.50	1/2	75.57	1/2		1/2		1/2	
3/4	2,233.25	3/4	1,872.30	3/4	1,511.42	3/4	1,150.78	3/4	789.84	3/4	428.98	3/4	68.05	3/4		3/4		3/4	
3	2,225.73	3	1,864.78	3	1,503.91	3	1,143.26	3	782.32	3	421.47	3	61.24	3		3		3	
1/4	2,218.21	1/4	1,857.26	1/4	1,496.39	1/4	1,135.75	1/4	774.80	1/4	413.95	1/4	54.42	1/4		1/4		1/4	
1/2	2,210.69	1/2	1,849.74	1/2	1,488.88	1/2	1,128.23	1/2	767.28	1/2	406.43	1/2	47.61	1/2		1/2		1/2	
3/4	2,203.17	3/4	1,842.22	3/4	1,481.37	3/4	1,120.71	3/4	759.76	3/4	398.92	3/4	40.79	3/4		3/4		3/4	
4	2,195.65	4	1,834.70	4	1,473.85	4	1,113.19	4	752.24	4	391.40	4	35.62	4		4		4	
1/4	2,188.13	1/4	1,827.18	1/4	1,466.34	1/4	1,105.67	1/4	744.72	1/4	383.88	1/4	30.45	1/4		1/4		1/4	
1/2	2,180.61	1/2	1,819.66	1/2	1,458.83	1/2	1,098.15	1/2	737.20	1/2	376.36	1/2	25.28	1/2		1/2		1/2	
3/4	2,173.09	3/4	1,812.14	3/4	1,451.31	3/4	1,090.63	3/4	729.68	3/4	368.84	3/4	20.11	3/4		3/4		3/4	
5	2,165.57	5	1,804.62	5	1,443.80	5	1,083.11	5	722.16	5	361.32	5		5		5		5	
1/4	2,158.05	1/4	1,797.10	1/4	1,436.29	1/4	1,075.59	1/4	714.64	1/4	353.80	1/4		1/4		1/4		1/4	
1/2	2,150.53	1/2	1,789.58	1/2	1,428.77	1/2	1,068.07	1/2	707.12	1/2	346.28	1/2		1/2		1/2		1/2	
3/4	2,143.01	3/4	1,782.06	3/4	1,421.26	3/4	1,060.55	3/4	699.60	3/4	338.76	3/4		3/4		3/4		3/4	
6	2,135.49	6	1,774.54	6	1,413.75	6	1,053.03	6	692.08	6	331.24	6		6		6		6	
1/4	2,127.97	1/4	1,767.02	1/4	1,406.23	1/4	1,045.51	1/4	684.56	1/4	323.72	1/4		1/4		1/4		1/4	
1/2	2,120.45	1/2	1,759.50	1/2	1,398.72	1/2	1,037.99	1/2	677.04	1/2	316.20	1/2		1/2		1/2		1/2	
3/4	2,112.93	3/4	1,751.98	3/4	1,391.21	3/4	1,030.47	3/4	669.52	3/4	308.68	3/4		3/4		3/4		3/4	
7	2,105.41	7	1,744.46	7	1,383.69	7	1,022.95	7	662.00	7	301.16	7		7		7		7	
1/4	2,097.89	1/4	1,736.94	1/4	1,376.18	1/4	1,015.43	1/4	654.48	1/4	293.64	1/4		1/4		1/4		1/4	
1/2	2,090.37	1/2	1,729.42	1/2	1,368.67	1/2	1,007.91	1/2	646.96	1/2	286.13	1/2		1/2		1/2		1/2	
3/4	2,082.85	3/4	1,721.90	3/4	1,361.15	3/4	1,000.39	3/4	639.44	3/4	278.61	3/4		3/4		3/4		3/4	
8	2,075.33	8	1,714.38	8	1,353.64	8	992.87	8	631.93	8	271.09	8		8		8		8	
1/4	2,067.81	1/4	1,706.86	1/4	1,346.13	1/4	985.35	1/4	624.41	1/4	263.57	1/4		1/4		1/4		1/4	
1/2	2,060.29	1/2	1,699.34	1/2	1,338.61	1/2	977.83	1/2	616.89	1/2	256.05	1/2		1/2		1/2		1/2	
3/4	2,052.77	3/4	1,691.82	3/4	1,331.10	3/4	970.31	3/4	609.38	3/4	248.53	3/4		3/4		3/4		3/4	
9	2,045.25	9	1,684.30	9	1,323.59	9	962.79	9	601.86	9	241.01	9		9		9		9	
1/4	2,037.73	1/4	1,676.78	1/4	1,316.07	1/4	955.27	1/4	594.34	1/4	233.49	1/4		1/4		1/4		1/4	
1/2	2,030.21	1/2	1,669.26	1/2	1,308.56	1/2	947.76	1/2	586.83	1/2	225.97	1/2		1/2		1/2		1/2	
3/4	2,022.69	3/4	1,661.74	3/4	1,301.05	3/4	940.24	3/4	579.31	3/4	218.45	3/4		3/4		3/4		3/4	
10	2,015.17	10	1,654.22	10	1,293.53	10	932.72	10	571.79	10	210.93	10		10		10		10	
1/4	2,007.65	1/4	1,646.70	1/4	1,286.02	1/4	925.20	1/4	564.28	1/4	203.41	1/4		1/4		1/4		1/4	
1/2	2,000.13	1/2	1,639.18	1/2	1,278.51	1/2	917.68	1/2	556.76	1/2	195.89	1/2		1/2		1/2		1/2	
3/4	1,992.61	3/4	1,631.66	3/4	1,270.99	3/4	910.16	3/4	549.24	3/4	188.37	3/4		3/4		3/4		3/4	
11	1,985.09	11	1,624.14	11	1,263.48	11	902.64	11	541.73	11	180.85	11		11		11		11	
1/4	1,977.57	1/4	1,616.62	1/4	1,255.97	1/4	895.12	1/4	534.21	1/4	173.33	1/4		1/4		1/4		1/4	
1/2	1,970.05	1/2	1,609.10	1/2	1,248.45	1/2	887.60	1/2	526.70	1/2	165.81	1/2		1/2		1/2		1/2	
3/4	1,962.53	3/4	1,601.58	3/4	1,240.94	3/4	880.08	3/4	519.18	3/4	158.29	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/17/2017 SW
CALCULATED: 02/17/2017 CL
PRINTED: 02/17/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

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

BARGE "KIRBY 29063"

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	4,519.99	0	4,263.19	0	3,987.96	0	3,695.76	0	3,391.24	0	3,030.90	0	2,670.02
1/4		1/4		1/4		1/4	4,514.64	1/4	4,257.64	1/4	3,982.02	1/4	3,689.61	1/4	3,383.73	1/4	3,023.39	1/4	2,662.50
1/2		1/2		1/2		1/2	4,509.30	1/2	4,252.08	1/2	3,976.08	1/2	3,683.47	1/2	3,376.23	1/2	3,015.87	1/2	2,654.98
3/4		3/4		3/4		3/4	4,503.95	3/4	4,246.52	3/4	3,970.14	3/4	3,677.32	3/4	3,368.72	3/4	3,008.35	3/4	2,647.47
1		1		1		1	4,498.61	1	4,240.96	1	3,964.19	1	3,671.18	1	3,361.21	1	3,000.83	1	2,639.95
1/4		1/4		1/4		1/4	4,493.48	1/4	4,235.37	1/4	3,958.22	1/4	3,665.03	1/4	3,353.71	1/4	2,993.31	1/4	2,632.43
1/2		1/2		1/2		1/2	4,488.34	1/2	4,229.78	1/2	3,952.25	1/2	3,658.89	1/2	3,346.21	1/2	2,985.79	1/2	2,624.91
3/4		3/4		3/4		3/4	4,483.21	3/4	4,224.20	3/4	3,946.27	3/4	3,652.74	3/4	3,338.70	3/4	2,978.28	3/4	2,617.39
2		2		2		2	4,478.08	2	4,218.61	2	3,940.30	2	3,646.60	2	3,331.20	2	2,970.76	2	2,609.87
1/4		1/4		1/4		1/4	4,472.91	1/4	4,212.98	1/4	3,934.29	1/4	3,640.45	1/4	3,323.70	1/4	2,963.24	1/4	2,602.36
1/2		1/2		1/2		1/2	4,467.75	1/2	4,207.36	1/2	3,928.28	1/2	3,634.31	1/2	3,316.19	1/2	2,955.72	1/2	2,594.84
3/4		3/4		3/4		3/4	4,462.58	3/4	4,201.74	3/4	3,922.28	3/4	3,628.16	3/4	3,308.69	3/4	2,948.20	3/4	2,587.32
3		3		3		3	4,457.42	3	4,196.12	3	3,916.27	3	3,622.02	3	3,301.19	3	2,940.68	3	2,579.80
1/4		1/4		1/4		1/4	4,452.17	1/4	4,190.46	1/4	3,910.22	1/4	3,615.87	1/4	3,293.68	1/4	2,933.17	1/4	2,572.28
1/2		1/2		1/2		1/2	4,446.92	1/2	4,184.81	1/2	3,904.16	1/2	3,609.73	1/2	3,286.18	1/2	2,925.65	1/2	2,564.76
3/4		3/4		3/4		3/4	4,441.67	3/4	4,179.16	3/4	3,898.11	3/4	3,603.58	3/4	3,278.68	3/4	2,918.13	3/4	2,557.25
4		4		4		4	4,436.42	4	4,173.50	4	3,892.06	4	3,597.44	4	3,271.17	4	2,910.61	4	2,549.73
1/4		1/4		1/4		1/4	4,431.12	1/4	4,167.82	1/4	3,885.97	1/4	3,591.29	1/4	3,263.67	1/4	2,903.09	1/4	2,542.21
1/2		1/2		1/2		1/2	4,425.81	1/2	4,162.13	1/2	3,879.88	1/2	3,585.15	1/2	3,256.17	1/2	2,895.57	1/2	2,534.69
3/4		3/4		3/4		3/4	4,420.51	3/4	4,156.45	3/4	3,873.79	3/4	3,579.00	3/4	3,248.66	3/4	2,888.06	3/4	2,527.17
5		5		5		5	4,415.21	5	4,150.76	5	3,867.71	5	3,572.86	5	3,241.16	5	2,880.54	5	2,519.65
1/4		1/4		1/4		1/4	4,409.88	1/4	4,145.04	1/4	3,861.58	1/4	3,566.71	1/4	3,233.66	1/4	2,873.02	1/4	2,512.14
1/2		1/2		1/2		1/2	4,404.55	1/2	4,139.32	1/2	3,855.46	1/2	3,560.57	1/2	3,226.15	1/2	2,865.50	1/2	2,504.62
3/4		3/4		3/4		3/4	4,399.21	3/4	4,133.61	3/4	3,849.34	3/4	3,554.42	3/4	3,218.65	3/4	2,857.98	3/4	2,497.10
6		6		6		6	4,393.88	6	4,127.89	6	3,843.22	6	3,548.28	6	3,211.15	6	2,850.46	6	2,489.58
1/4		1/4		1/4		1/4	4,388.52	1/4	4,122.14	1/4	3,837.08	1/4	3,542.13	1/4	3,203.64	1/4	2,842.94	1/4	2,482.06
1/2		1/2		1/2		1/2	4,383.15	1/2	4,116.39	1/2	3,830.94	1/2	3,535.99	1/2	3,196.14	1/2	2,835.43	1/2	2,474.54
3/4		3/4		3/4	4,636.96	3/4	4,377.79	3/4	4,110.64	3/4	3,824.80	3/4	3,529.84	3/4	3,188.64	3/4	2,827.91	3/4	2,467.02
7		7		7	4,633.92	7	4,372.42	7	4,104.89	7	3,818.66	7	3,523.70	7	3,181.13	7	2,820.39	7	2,459.51
1/4		1/4		1/4	4,629.37	1/4	4,367.02	1/4	4,099.11	1/4	3,812.51	1/4	3,517.55	1/4	3,173.63	1/4	2,812.87	1/4	2,451.99
1/2		1/2		1/2	4,624.82	1/2	4,361.63	1/2	4,093.32	1/2	3,806.37	1/2	3,511.41	1/2	3,166.13	1/2	2,805.35	1/2	2,444.47
3/4		3/4		3/4	4,620.28	3/4	4,356.23	3/4	4,087.54	3/4	3,800.22	3/4	3,505.27	3/4	3,158.62	3/4	2,797.83	3/4	2,436.95
8		8		8	4,615.73	8	4,350.83	8	4,081.76	8	3,794.08	8	3,499.13	8	3,151.12	8	2,790.32	8	2,429.43
1/4		1/4		1/4	4,609.96	1/4	4,345.40	1/4	4,075.95	1/4	3,787.93	1/4	3,492.99	1/4	3,143.62	1/4	2,782.80	1/4	2,421.92
1/2		1/2		1/2	4,604.19	1/2	4,339.97	1/2	4,070.13	1/2	3,781.79	1/2	3,486.84	1/2	3,136.11	1/2	2,775.28	1/2	2,414.40
3/4		3/4		3/4	4,598.41	3/4	4,334.54	3/4	4,064.32	3/4	3,775.64	3/4	3,480.70	3/4	3,128.61	3/4	2,767.76	3/4	2,406.89
9		9		9	4,592.64	9	4,329.11	9	4,058.50	9	3,769.50	9	3,474.56	9	3,121.11	9	2,760.24	9	2,399.37
1/4		1/4		1/4	4,586.59	1/4	4,323.65	1/4	4,052.66	1/4	3,763.35	1/4	3,468.42	1/4	3,113.59	1/4	2,752.72	1/4	2,391.85
1/2		1/2		1/2	4,580.53	1/2	4,318.19	1/2	4,046.81	1/2	3,757.21	1/2	3,462.28	1/2	3,106.08	1/2	2,745.21	1/2	2,384.34
3/4		3/4		3/4	4,574.48	3/4	4,312.73	3/4	4,040.96	3/4	3,751.06	3/4	3,456.13	3/4	3,098.57	3/4	2,737.69	3/4	2,376.82
10		10		10	4,568.42	10	4,307.27	10	4,035.12	10	3,744.92	10	3,449.99	10	3,091.05	10	2,730.17	10	2,369.30
1/4		1/4		1/4	4,562.37	1/4	4,301.78	1/4	4,029.24	1/4	3,738.77	1/4	3,442.82	1/4	3,083.53	1/4	2,722.65	1/4	2,361.78
1/2		1/2		1/2	4,556.31	1/2	4,296.28	1/2	4,023.36	1/2	3,732.63	1/2	3,435.65	1/2	3,076.02	1/2	2,715.13	1/2	2,354.26
3/4		3/4		3/4	4,550.26	3/4	4,290.79	3/4	4,017.48	3/4	3,726.48	3/4	3,428.48	3/4	3,068.50	3/4	2,707.61	3/4	2,346.75
11		11		11	4,544.21	11	4,285.30	11	4,011.61	11	3,720.34	11	3,421.30	11	3,060.98	11	2,700.10	11	2,339.23
1/4		1/4		1/4	4,538.15	1/4	4,279.77	1/4	4,005.70	1/4	3,714.19	1/4	3,413.79	1/4	3,053.46	1/4	2,692.58	1/4	2,331.71
1/2		1/2		1/2	4,532.10	1/2	4,274.24	1/2	3,999.78	1/2	3,708.05	1/2	3,406.27	1/2	3,045.94	1/2	2,685.06	1/2	2,324.19
3/4		3/4		3/4	4,526.04	3/4	4,268.72	3/4	3,993.87	3/4	3,701.90	3/4	3,398.76	3/4	3,038.42	3/4	2,677.54	3/4	2,316.67

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'-03" FORWARD OF AFT BULKHEAD

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

BARGE "KIRBY 29063"

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	2,309.16	0	1,947.94	0	1,589.28	0	1,228.50	0	867.59	0	519.55	0	158.64	0		0		0	
1/4	2,301.63	1/4	1,940.43	1/4	1,581.79	1/4	1,220.98	1/4	860.28	1/4	512.10	1/4	151.11	1/4		1/4		1/4	
1/2	2,294.11	1/2	1,932.93	1/2	1,574.30	1/2	1,213.46	1/2	852.96	1/2	504.65	1/2	143.58	1/2		1/2		1/2	
3/4	2,286.59	3/4	1,925.43	3/4	1,566.82	3/4	1,205.94	3/4	845.64	3/4	497.20	3/4	136.05	3/4		3/4		3/4	
1	2,279.07	1	1,917.92	1	1,559.33	1	1,198.42	1	838.33	1	489.74	1	128.52	1		1		1	
1/4	2,271.55	1/4	1,910.45	1/4	1,551.82	1/4	1,190.90	1/4	831.08	1/4	482.22	1/4	120.98	1/4		1/4		1/4	
1/2	2,264.03	1/2	1,902.97	1/2	1,544.31	1/2	1,183.38	1/2	823.84	1/2	474.70	1/2	113.44	1/2		1/2		1/2	
3/4	2,256.51	3/4	1,895.49	3/4	1,536.80	3/4	1,175.86	3/4	816.59	3/4	467.17	3/4	105.91	3/4		3/4		3/4	
2	2,248.98	2	1,888.02	2	1,529.29	2	1,168.34	2	809.34	2	459.65	2	98.37	2		2		2	
1/4	2,241.46	1/4	1,880.55	1/4	1,521.77	1/4	1,160.82	1/4	802.10	1/4	452.13	1/4	90.83	1/4		1/4		1/4	
1/2	2,233.94	1/2	1,873.08	1/2	1,514.25	1/2	1,153.30	1/2	794.85	1/2	444.61	1/2	83.29	1/2		1/2		1/2	
3/4	2,226.41	3/4	1,865.61	3/4	1,506.73	3/4	1,145.78	3/4	787.61	3/4	437.08	3/4	75.75	3/4		3/4		3/4	
3	2,218.89	3	1,858.14	3	1,499.21	3	1,138.26	3	780.36	3	429.56	3	68.22	3		3		3	
1/4	2,211.36	1/4	1,850.68	1/4	1,491.69	1/4	1,130.74	1/4	773.11	1/4	422.04	1/4	61.39	1/4		1/4		1/4	
1/2	2,203.83	1/2	1,843.21	1/2	1,484.17	1/2	1,123.22	1/2	765.87	1/2	414.51	1/2	54.55	1/2		1/2		1/2	
3/4	2,196.31	3/4	1,835.74	3/4	1,476.65	3/4	1,115.71	3/4	758.62	3/4	406.99	3/4	47.72	3/4		3/4		3/4	
4	2,188.78	4	1,828.27	4	1,469.13	4	1,108.19	4	751.38	4	399.47	4	40.89	4		4		4	
1/4	2,181.25	1/4	1,820.80	1/4	1,461.61	1/4	1,100.67	1/4	744.13	1/4	391.94	1/4	35.71	1/4		1/4		1/4	
1/2	2,173.73	1/2	1,813.33	1/2	1,454.09	1/2	1,093.15	1/2	736.88	1/2	384.42	1/2	30.53	1/2		1/2		1/2	
3/4	2,166.20	3/4	1,805.86	3/4	1,446.57	3/4	1,085.63	3/4	729.64	3/4	376.89	3/4	25.34	3/4		3/4		3/4	
5	2,158.68	5	1,798.40	5	1,439.05	5	1,078.12	5	722.39	5	369.37	5	20.16	5		5		5	
1/4	2,151.15	1/4	1,790.93	1/4	1,431.53	1/4	1,070.60	1/4	715.15	1/4	361.84	1/4		1/4		1/4		1/4	
1/2	2,143.62	1/2	1,783.46	1/2	1,424.01	1/2	1,063.08	1/2	707.90	1/2	354.32	1/2		1/2		1/2		1/2	
3/4	2,136.10	3/4	1,775.99	3/4	1,416.49	3/4	1,055.56	3/4	700.65	3/4	346.79	3/4		3/4		3/4		3/4	
6	2,128.57	6	1,768.52	6	1,408.97	6	1,048.04	6	693.41	6	339.26	6		6		6		6	
1/4	2,121.04	1/4	1,761.05	1/4	1,401.45	1/4	1,040.53	1/4	686.16	1/4	331.74	1/4		1/4		1/4		1/4	
1/2	2,113.52	1/2	1,753.58	1/2	1,393.93	1/2	1,033.01	1/2	678.92	1/2	324.21	1/2		1/2		1/2		1/2	
3/4	2,105.99	3/4	1,746.12	3/4	1,386.41	3/4	1,025.49	3/4	671.67	3/4	316.68	3/4		3/4		3/4		3/4	
7	2,098.47	7	1,738.65	7	1,378.89	7	1,017.97	7	664.42	7	309.16	7		7		7		7	
1/4	2,090.94	1/4	1,731.18	1/4	1,371.37	1/4	1,010.46	1/4	657.18	1/4	301.63	1/4		1/4		1/4		1/4	
1/2	2,083.41	1/2	1,723.71	1/2	1,363.85	1/2	1,002.94	1/2	649.93	1/2	294.11	1/2		1/2		1/2		1/2	
3/4	2,075.89	3/4	1,716.24	3/4	1,356.33	3/4	995.42	3/4	642.69	3/4	286.58	3/4		3/4		3/4		3/4	
8	2,068.36	8	1,708.77	8	1,348.81	8	987.90	8	635.44	8	279.05	8		8		8		8	
1/4	2,060.83	1/4	1,701.30	1/4	1,341.29	1/4	980.38	1/4	628.20	1/4	271.53	1/4		1/4		1/4		1/4	
1/2	2,053.31	1/2	1,693.84	1/2	1,333.77	1/2	972.87	1/2	620.95	1/2	264.00	1/2		1/2		1/2		1/2	
3/4	2,045.78	3/4	1,686.37	3/4	1,326.25	3/4	965.35	3/4	613.71	3/4	256.47	3/4		3/4		3/4		3/4	
9	2,038.25	9	1,678.90	9	1,318.73	9	957.83	9	606.46	9	248.95	9		9		9		9	
1/4	2,030.73	1/4	1,671.43	1/4	1,311.21	1/4	950.31	1/4	599.22	1/4	241.42	1/4		1/4		1/4		1/4	
1/2	2,023.20	1/2	1,663.96	1/2	1,303.69	1/2	942.80	1/2	591.98	1/2	233.90	1/2		1/2		1/2		1/2	
3/4	2,015.68	3/4	1,656.49	3/4	1,296.17	3/4	935.28	3/4	584.74	3/4	226.37	3/4		3/4		3/4		3/4	
10	2,008.15	10	1,649.02	10	1,288.65	10	927.76	10	577.49	10	218.84	10		10		10		10	
1/4	2,000.62	1/4	1,641.56	1/4	1,281.13	1/4	920.24	1/4	570.25	1/4	211.32	1/4		1/4		1/4		1/4	
1/2	1,993.10	1/2	1,634.09	1/2	1,273.62	1/2	912.72	1/2	563.01	1/2	203.79	1/2		1/2		1/2		1/2	
3/4	1,985.57	3/4	1,626.62	3/4	1,266.10	3/4	905.21	3/4	555.77	3/4	196.27	3/4		3/4		3/4		3/4	
11	1,978.04	11	1,619.15	11	1,258.58	11	897.69	11	548.52	11	188.74	11		11		11		11	
1/4	1,970.52	1/4	1,611.68	1/4	1,251.06	1/4	890.16	1/4	541.28	1/4	181.22	1/4		1/4		1/4		1/4	
1/2	1,962.99	1/2	1,604.21	1/2	1,243.54	1/2	882.64	1/2	534.04	1/2	173.69	1/2		1/2		1/2		1/2	
3/4	1,955.47	3/4	1,596.74	3/4	1,236.02	3/4	875.12	3/4	526.80	3/4	166.16	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/17/2017 SW
CALCULATED: 02/17/2017 CL
PRINTED: 02/17/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

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

BARGE "KIRBY 29063"

2 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	5,126.30	0	4,788.36	0	4,425.95	0	4,041.49	0	3,653.66	0	3,265.84	0	2,878.01
1/4		1/4		1/4		1/4	5,119.27	1/4	4,781.05	1/4	4,418.14	1/4	4,033.41	1/4	3,645.58	1/4	3,257.76	1/4	2,869.93
1/2		1/2		1/2		1/2	5,112.24	1/2	4,773.74	1/2	4,410.33	1/2	4,025.33	1/2	3,637.50	1/2	3,249.68	1/2	2,861.85
3/4		3/4		3/4		3/4	5,105.21	3/4	4,766.43	3/4	4,402.51	3/4	4,017.25	3/4	3,629.42	3/4	3,241.60	3/4	2,853.77
1		1		1		1	5,098.46	1	4,759.08	1	4,394.66	1	4,009.17	1	3,621.34	1	3,233.52	1	2,845.69
1/4		1/4		1/4		1/4	5,091.71	1/4	4,751.73	1/4	4,386.80	1/4	4,001.09	1/4	3,613.26	1/4	3,225.44	1/4	2,837.61
1/2		1/2		1/2		1/2	5,084.97	1/2	4,744.38	1/2	4,378.94	1/2	3,993.01	1/2	3,605.19	1/2	3,217.36	1/2	2,829.53
3/4		3/4		3/4		3/4	5,078.22	3/4	4,737.03	3/4	4,371.09	3/4	3,984.93	3/4	3,597.11	3/4	3,209.28	3/4	2,821.45
2		2		2		2	5,071.43	2	4,729.64	2	4,363.19	2	3,976.85	2	3,589.03	2	3,201.20	2	2,813.37
1/4		1/4		1/4		1/4	5,064.64	1/4	4,722.25	1/4	4,355.29	1/4	3,968.77	1/4	3,580.95	1/4	3,193.12	1/4	2,805.29
1/2		1/2		1/2		1/2	5,057.84	1/2	4,714.86	1/2	4,347.39	1/2	3,960.69	1/2	3,572.87	1/2	3,185.04	1/2	2,797.22
3/4		3/4		3/4		3/4	5,051.05	3/4	4,707.47	3/4	4,339.50	3/4	3,952.61	3/4	3,564.79	3/4	3,176.96	3/4	2,789.14
3		3		3		3	5,044.15	3	4,700.03	3	4,331.54	3	3,944.53	3	3,556.71	3	3,168.88	3	2,781.06
1/4		1/4		1/4		1/4	5,037.25	1/4	4,692.60	1/4	4,323.58	1/4	3,936.45	1/4	3,548.63	1/4	3,160.80	1/4	2,772.98
1/2		1/2		1/2		1/2	5,030.34	1/2	4,685.16	1/2	4,315.62	1/2	3,928.37	1/2	3,540.55	1/2	3,152.72	1/2	2,764.90
3/4		3/4		3/4		3/4	5,023.44	3/4	4,677.73	3/4	4,307.66	3/4	3,920.29	3/4	3,532.47	3/4	3,144.64	3/4	2,756.82
4		4		4		4	5,016.47	4	4,670.25	4	4,299.66	4	3,912.21	4	3,524.39	4	3,136.56	4	2,748.74
1/4		1/4		1/4		1/4	5,009.50	1/4	4,662.78	1/4	4,291.65	1/4	3,904.13	1/4	3,516.31	1/4	3,128.48	1/4	2,740.66
1/2		1/2		1/2		1/2	5,002.53	1/2	4,655.30	1/2	4,283.65	1/2	3,896.05	1/2	3,508.23	1/2	3,120.40	1/2	2,732.58
3/4		3/4		3/4		3/4	4,995.56	3/4	4,647.83	3/4	4,275.64	3/4	3,887.97	3/4	3,500.15	3/4	3,112.32	3/4	2,724.50
5		5		5		5	4,988.54	5	4,640.31	5	4,267.59	5	3,879.89	5	3,492.07	5	3,104.24	5	2,716.42
1/4		1/4		1/4		1/4	4,981.53	1/4	4,632.79	1/4	4,259.55	1/4	3,871.82	1/4	3,483.99	1/4	3,096.16	1/4	2,708.34
1/2		1/2		1/2		1/2	4,974.52	1/2	4,625.27	1/2	4,251.50	1/2	3,863.74	1/2	3,475.91	1/2	3,088.08	1/2	2,700.26
3/4		3/4		3/4		3/4	4,967.51	3/4	4,617.75	3/4	4,243.45	3/4	3,855.66	3/4	3,467.83	3/4	3,080.00	3/4	2,692.18
6		6		6		6	4,960.45	6	4,610.19	6	4,235.38	6	3,847.58	6	3,459.75	6	3,071.92	6	2,684.10
1/4		1/4		1/4		1/4	4,953.40	1/4	4,602.63	1/4	4,227.31	1/4	3,839.50	1/4	3,451.67	1/4	3,063.85	1/4	2,676.02
1/2		1/2		1/2	5,289.60	1/2	4,946.34	1/2	4,595.07	1/2	4,219.23	1/2	3,831.42	1/2	3,443.59	1/2	3,055.77	1/2	2,667.94
3/4		3/4		3/4	5,284.87	3/4	4,939.29	3/4	4,587.51	3/4	4,211.16	3/4	3,823.34	3/4	3,435.51	3/4	3,047.69	3/4	2,659.86
7		7		7	5,278.52	7	4,932.19	7	4,579.91	7	4,203.08	7	3,815.26	7	3,427.43	7	3,039.61	7	2,651.78
1/4		1/4		1/4	5,272.18	1/4	4,925.09	1/4	4,572.30	1/4	4,195.00	1/4	3,807.18	1/4	3,419.35	1/4	3,031.53	1/4	2,643.70
1/2		1/2		1/2	5,265.83	1/2	4,918.00	1/2	4,564.70	1/2	4,186.92	1/2	3,799.10	1/2	3,411.27	1/2	3,023.45	1/2	2,635.62
3/4		3/4		3/4	5,259.49	3/4	4,910.90	3/4	4,557.10	3/4	4,178.84	3/4	3,791.02	3/4	3,403.19	3/4	3,015.37	3/4	2,627.54
8		8		8	5,251.83	8	4,903.76	8	4,549.45	8	4,170.76	8	3,782.94	8	3,395.11	8	3,007.29	8	2,619.46
1/4		1/4		1/4	5,244.17	1/4	4,896.62	1/4	4,541.81	1/4	4,162.68	1/4	3,774.86	1/4	3,387.03	1/4	2,999.21	1/4	2,611.38
1/2		1/2		1/2	5,236.52	1/2	4,889.48	1/2	4,534.16	1/2	4,154.60	1/2	3,766.78	1/2	3,378.95	1/2	2,991.13	1/2	2,603.30
3/4		3/4		3/4	5,228.86	3/4	4,882.34	3/4	4,526.52	3/4	4,146.52	3/4	3,758.70	3/4	3,370.87	3/4	2,983.05	3/4	2,595.22
9		9		9	5,220.90	9	4,875.16	9	4,518.83	9	4,138.45	9	3,750.62	9	3,362.79	9	2,974.97	9	2,587.14
1/4		1/4		1/4	5,212.94	1/4	4,867.98	1/4	4,511.14	1/4	4,130.37	1/4	3,742.54	1/4	3,354.71	1/4	2,966.89	1/4	2,579.06
1/2		1/2		1/2	5,204.97	1/2	4,860.80	1/2	4,503.46	1/2	4,122.29	1/2	3,734.46	1/2	3,346.63	1/2	2,958.81	1/2	2,570.97
3/4		3/4		3/4	5,197.01	3/4	4,853.62	3/4	4,495.77	3/4	4,114.21	3/4	3,726.38	3/4	3,338.56	3/4	2,950.73	3/4	2,562.89
10		10		10	5,189.05	10	4,846.40	10	4,488.04	10	4,106.13	10	3,718.30	10	3,330.48	10	2,942.65	10	2,554.81
1/4		1/4		1/4	5,181.09	1/4	4,839.17	1/4	4,480.31	1/4	4,098.05	1/4	3,710.22	1/4	3,322.40	1/4	2,934.57	1/4	2,546.72
1/2		1/2		1/2	5,173.13	1/2	4,831.95	1/2	4,472.58	1/2	4,089.97	1/2	3,702.14	1/2	3,314.32	1/2	2,926.49	1/2	2,538.64
3/4		3/4		3/4	5,165.17	3/4	4,824.73	3/4	4,464.85	3/4	4,081.89	3/4	3,694.06	3/4	3,306.24	3/4	2,918.41	3/4	2,530.56
11		11		11	5,157.21	11	4,817.46	11	4,457.08	11	4,073.81	11	3,685.98	11	3,298.16	11	2,910.33	11	2,522.47
1/4		1/4		1/4	5,149.25	1/4	4,810.20	1/4	4,449.31	1/4	4,065.73	1/4	3,677.90	1/4	3,290.08	1/4	2,902.25	1/4	2,514.39
1/2		1/2		1/2	5,141.29	1/2	4,802.93	1/2	4,441.54	1/2	4,057.65	1/2	3,669.82	1/2	3,282.00	1/2	2,894.17	1/2	2,506.30
3/4		3/4		3/4	5,133.33	3/4	4,795.66	3/4	4,433.77	3/4	4,049.57	3/4	3,661.74	3/4	3,273.92	3/4	2,886.09	3/4	2,498.22

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 29063"

2 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	2,490.14	0	2,102.10	0	1,714.07	0	1,326.04	0	938.01	0	550.03	0	162.05	0		0		0	
1/4	2,482.05	1/4	2,094.02	1/4	1,705.99	1/4	1,317.96	1/4	929.92	1/4	541.95	1/4	153.97	1/4		1/4		1/4	
1/2	2,473.97	1/2	2,085.94	1/2	1,697.90	1/2	1,309.87	1/2	921.84	1/2	533.87	1/2	145.89	1/2		1/2		1/2	
3/4	2,465.88	3/4	2,077.85	3/4	1,689.82	3/4	1,301.79	3/4	913.76	3/4	525.79	3/4	137.80	3/4		3/4		3/4	
1	2,457.80	1	2,069.77	1	1,681.74	1	1,293.70	1	905.67	1	517.71	1	129.72	1		1		1	
1/4	2,449.72	1/4	2,061.68	1/4	1,673.65	1/4	1,285.62	1/4	897.59	1/4	509.63	1/4	121.63	1/4		1/4		1/4	
1/2	2,441.63	1/2	2,053.60	1/2	1,665.57	1/2	1,277.54	1/2	889.50	1/2	501.55	1/2	113.55	1/2		1/2		1/2	
3/4	2,433.55	3/4	2,045.52	3/4	1,657.48	3/4	1,269.45	3/4	881.42	3/4	493.47	3/4	105.47	3/4		3/4		3/4	
2	2,425.46	2	2,037.43	2	1,649.40	2	1,261.37	2	873.34	2	485.39	2	97.38	2		2		2	
1/4	2,417.38	1/4	2,029.35	1/4	1,641.32	1/4	1,253.28	1/4	865.25	1/4	477.31	1/4	89.30	1/4		1/4		1/4	
1/2	2,409.30	1/2	2,021.26	1/2	1,633.23	1/2	1,245.20	1/2	857.17	1/2	469.22	1/2	81.21	1/2		1/2		1/2	
3/4	2,401.21	3/4	2,013.18	3/4	1,625.15	3/4	1,237.12	3/4	849.08	3/4	461.14	3/4	73.13	3/4		3/4		3/4	
3	2,393.13	3	2,005.10	3	1,617.06	3	1,229.03	3	841.00	3	453.06	3	65.80	3		3		3	
1/4	2,385.04	1/4	1,997.01	1/4	1,608.98	1/4	1,220.95	1/4	832.92	1/4	444.98	1/4	58.48	1/4		1/4		1/4	
1/2	2,376.96	1/2	1,988.93	1/2	1,600.90	1/2	1,212.86	1/2	824.83	1/2	436.90	1/2	51.15	1/2		1/2		1/2	
3/4	2,368.88	3/4	1,980.84	3/4	1,592.81	3/4	1,204.78	3/4	816.75	3/4	428.82	3/4	43.83	3/4		3/4		3/4	
4	2,360.79	4	1,972.76	4	1,584.73	4	1,196.70	4	808.66	4	420.74	4	38.27	4		4		4	
1/4	2,352.71	1/4	1,964.68	1/4	1,576.64	1/4	1,188.61	1/4	800.58	1/4	412.66	1/4	32.71	1/4		1/4		1/4	
1/2	2,344.62	1/2	1,956.59	1/2	1,568.56	1/2	1,180.53	1/2	792.50	1/2	404.57	1/2	27.15	1/2		1/2		1/2	
3/4	2,336.54	3/4	1,948.51	3/4	1,560.48	3/4	1,172.44	3/4	784.41	3/4	396.49	3/4	21.59	3/4		3/4		3/4	
5	2,328.46	5	1,940.42	5	1,552.39	5	1,164.36	5	776.33	5	388.41	5		5		5		5	
1/4	2,320.37	1/4	1,932.34	1/4	1,544.31	1/4	1,156.28	1/4	768.24	1/4	380.32	1/4		1/4		1/4		1/4	
1/2	2,312.29	1/2	1,924.26	1/2	1,536.22	1/2	1,148.19	1/2	760.16	1/2	372.24	1/2		1/2		1/2		1/2	
3/4	2,304.20	3/4	1,916.17	3/4	1,528.14	3/4	1,140.11	3/4	752.08	3/4	364.15	3/4		3/4		3/4		3/4	
6	2,296.12	6	1,908.09	6	1,520.06	6	1,132.02	6	743.99	6	356.07	6		6		6		6	
1/4	2,288.04	1/4	1,900.00	1/4	1,511.97	1/4	1,123.94	1/4	735.91	1/4	347.99	1/4		1/4		1/4		1/4	
1/2	2,279.95	1/2	1,891.92	1/2	1,503.89	1/2	1,115.86	1/2	727.82	1/2	339.90	1/2		1/2		1/2		1/2	
3/4	2,271.87	3/4	1,883.84	3/4	1,495.80	3/4	1,107.77	3/4	719.74	3/4	331.82	3/4		3/4		3/4		3/4	
7	2,263.78	7	1,875.75	7	1,487.72	7	1,099.69	7	711.66	7	323.73	7		7		7		7	
1/4	2,255.70	1/4	1,867.67	1/4	1,479.64	1/4	1,091.60	1/4	703.57	1/4	315.65	1/4		1/4		1/4		1/4	
1/2	2,247.62	1/2	1,859.58	1/2	1,471.55	1/2	1,083.52	1/2	695.49	1/2	307.57	1/2		1/2		1/2		1/2	
3/4	2,239.53	3/4	1,851.50	3/4	1,463.47	3/4	1,075.44	3/4	687.40	3/4	299.48	3/4		3/4		3/4		3/4	
8	2,231.45	8	1,843.42	8	1,455.38	8	1,067.35	8	679.32	8	291.40	8		8		8		8	
1/4	2,223.36	1/4	1,835.33	1/4	1,447.30	1/4	1,059.27	1/4	671.24	1/4	283.31	1/4		1/4		1/4		1/4	
1/2	2,215.28	1/2	1,827.25	1/2	1,439.22	1/2	1,051.18	1/2	663.16	1/2	275.23	1/2		1/2		1/2		1/2	
3/4	2,207.20	3/4	1,819.16	3/4	1,431.13	3/4	1,043.10	3/4	655.08	3/4	267.15	3/4		3/4		3/4		3/4	
9	2,199.11	9	1,811.08	9	1,423.05	9	1,035.02	9	647.00	9	259.06	9		9		9		9	
1/4	2,191.03	1/4	1,803.00	1/4	1,414.96	1/4	1,026.93	1/4	638.92	1/4	250.98	1/4		1/4		1/4		1/4	
1/2	2,182.94	1/2	1,794.91	1/2	1,406.88	1/2	1,018.85	1/2	630.84	1/2	242.89	1/2		1/2		1/2		1/2	
3/4	2,174.86	3/4	1,786.83	3/4	1,398.80	3/4	1,010.76	3/4	622.76	3/4	234.81	3/4		3/4		3/4		3/4	
10	2,166.78	10	1,778.74	10	1,390.71	10	1,002.68	10	614.68	10	226.73	10		10		10		10	
1/4	2,158.69	1/4	1,770.66	1/4	1,382.63	1/4	994.60	1/4	606.59	1/4	218.64	1/4		1/4		1/4		1/4	
1/2	2,150.61	1/2	1,762.58	1/2	1,374.54	1/2	986.51	1/2	598.51	1/2	210.56	1/2		1/2		1/2		1/2	
3/4	2,142.52	3/4	1,754.49	3/4	1,366.46	3/4	978.43	3/4	590.43	3/4	202.47	3/4		3/4		3/4		3/4	
11	2,134.44	11	1,746.41	11	1,358.38	11	970.34	11	582.35	11	194.39	11		11		11		11	
1/4	2,126.36	1/4	1,738.32	1/4	1,350.29	1/4	962.26	1/4	574.27	1/4	186.31	1/4		1/4		1/4		1/4	
1/2	2,118.27	1/2	1,730.24	1/2	1,342.21	1/2	954.18	1/2	566.19	1/2	178.22	1/2		1/2		1/2		1/2	
3/4	2,110.19	3/4	1,722.16	3/4	1,334.12	3/4	946.09	3/4	558.11	3/4	170.14	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/17/2017 SW
CALCULATED: 02/17/2017 CL
PRINTED: 02/17/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

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

BARGE "KIRBY 29063"

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	5,121.92	0	4,783.94	0	4,421.74	0	4,037.27	0	3,649.19	0	3,261.11	0	2,873.03
1/4		1/4		1/4		1/4	5,114.89	1/4	4,776.62	1/4	4,413.92	1/4	4,029.18	1/4	3,641.10	1/4	3,253.02	1/4	2,864.94
1/2		1/2		1/2		1/2	5,107.85	1/2	4,769.31	1/2	4,406.10	1/2	4,021.10	1/2	3,633.02	1/2	3,244.94	1/2	2,856.86
3/4		3/4		3/4		3/4	5,100.82	3/4	4,761.99	3/4	4,398.29	3/4	4,013.01	3/4	3,624.93	3/4	3,236.85	3/4	2,848.77
1		1		1		1	5,093.78	1	4,754.68	1	4,390.47	1	4,004.93	1	3,616.85	1	3,228.77	1	2,840.69
1/4		1/4		1/4		1/4	5,087.03	1/4	4,747.32	1/4	4,382.60	1/4	3,996.84	1/4	3,608.76	1/4	3,220.68	1/4	2,832.60
1/2		1/2		1/2		1/2	5,080.27	1/2	4,739.97	1/2	4,374.74	1/2	3,988.76	1/2	3,600.68	1/2	3,212.60	1/2	2,824.52
3/4		3/4		3/4		3/4	5,073.51	3/4	4,732.61	3/4	4,366.88	3/4	3,980.67	3/4	3,592.59	3/4	3,204.51	3/4	2,816.43
2		2		2		2	5,066.76	2	4,725.25	2	4,359.02	2	3,972.59	2	3,584.51	2	3,196.43	2	2,808.35
1/4		1/4		1/4		1/4	5,059.96	1/4	4,717.86	1/4	4,351.12	1/4	3,964.50	1/4	3,576.42	1/4	3,188.34	1/4	2,800.26
1/2		1/2		1/2		1/2	5,053.16	1/2	4,710.46	1/2	4,343.21	1/2	3,956.42	1/2	3,568.34	1/2	3,180.26	1/2	2,792.18
3/4		3/4		3/4		3/4	5,046.36	3/4	4,703.06	3/4	4,335.31	3/4	3,948.33	3/4	3,560.25	3/4	3,172.17	3/4	2,784.09
3		3		3		3	5,039.57	3	4,695.66	3	4,327.41	3	3,940.25	3	3,552.17	3	3,164.09	3	2,776.01
1/4		1/4		1/4		1/4	5,032.65	1/4	4,688.22	1/4	4,319.44	1/4	3,932.16	1/4	3,544.08	1/4	3,156.00	1/4	2,767.92
1/2		1/2		1/2		1/2	5,025.74	1/2	4,680.78	1/2	4,311.48	1/2	3,924.08	1/2	3,536.00	1/2	3,147.92	1/2	2,759.84
3/4		3/4		3/4		3/4	5,018.83	3/4	4,673.34	3/4	4,303.52	3/4	3,915.99	3/4	3,527.91	3/4	3,139.83	3/4	2,751.75
4		4		4		4	5,011.92	4	4,665.90	4	4,295.55	4	3,907.91	4	3,519.83	4	3,131.75	4	2,743.67
1/4		1/4		1/4		1/4	5,004.94	1/4	4,658.42	1/4	4,287.54	1/4	3,899.82	1/4	3,511.74	1/4	3,123.66	1/4	2,735.58
1/2		1/2		1/2		1/2	4,997.97	1/2	4,650.93	1/2	4,279.53	1/2	3,891.74	1/2	3,503.66	1/2	3,115.58	1/2	2,727.50
3/4		3/4		3/4		3/4	4,990.99	3/4	4,643.45	3/4	4,271.52	3/4	3,883.65	3/4	3,495.57	3/4	3,107.49	3/4	2,719.41
5		5		5		5	4,984.01	5	4,635.97	5	4,263.51	5	3,875.57	5	3,487.49	5	3,099.41	5	2,711.33
1/4		1/4		1/4		1/4	4,976.99	1/4	4,628.44	1/4	4,255.45	1/4	3,867.48	1/4	3,479.40	1/4	3,091.32	1/4	2,703.24
1/2		1/2		1/2		1/2	4,969.97	1/2	4,620.92	1/2	4,247.40	1/2	3,859.40	1/2	3,471.32	1/2	3,083.24	1/2	2,695.16
3/4		3/4		3/4		3/4	4,962.95	3/4	4,613.40	3/4	4,239.35	3/4	3,851.31	3/4	3,463.23	3/4	3,075.15	3/4	2,687.07
6		6		6		6	4,955.93	6	4,605.87	6	4,231.29	6	3,843.23	6	3,455.15	6	3,067.07	6	2,678.99
1/4		1/4		1/4		1/4	4,948.87	1/4	4,598.30	1/4	4,223.21	1/4	3,835.14	1/4	3,447.06	1/4	3,058.98	1/4	2,670.90
1/2		1/2		1/2		1/2	4,941.81	1/2	4,590.74	1/2	4,215.13	1/2	3,827.06	1/2	3,438.98	1/2	3,050.90	1/2	2,662.82
3/4		3/4		3/4	5,278.30	3/4	4,934.75	3/4	4,583.17	3/4	4,207.05	3/4	3,818.97	3/4	3,430.89	3/4	3,042.81	3/4	2,654.73
7		7		7	5,273.57	7	4,927.69	7	4,575.60	7	4,198.97	7	3,810.89	7	3,422.81	7	3,034.73	7	2,646.65
1/4		1/4		1/4	5,267.22	1/4	4,920.59	1/4	4,568.00	1/4	4,190.88	1/4	3,802.80	1/4	3,414.72	1/4	3,026.64	1/4	2,638.56
1/2		1/2		1/2	5,260.87	1/2	4,913.48	1/2	4,560.39	1/2	4,182.80	1/2	3,794.72	1/2	3,406.64	1/2	3,018.56	1/2	2,630.48
3/4		3/4		3/4	5,254.52	3/4	4,906.38	3/4	4,552.78	3/4	4,174.71	3/4	3,786.63	3/4	3,398.55	3/4	3,010.47	3/4	2,622.39
8		8		8	5,248.17	8	4,899.28	8	4,545.17	8	4,166.63	8	3,778.55	8	3,390.47	8	3,002.39	8	2,614.31
1/4		1/4		1/4	5,240.51	1/4	4,892.13	1/4	4,537.52	1/4	4,158.54	1/4	3,770.46	1/4	3,382.38	1/4	2,994.30	1/4	2,606.22
1/2		1/2		1/2	5,232.85	1/2	4,884.98	1/2	4,529.87	1/2	4,150.46	1/2	3,762.38	1/2	3,374.30	1/2	2,986.22	1/2	2,598.14
3/4		3/4		3/4	5,225.18	3/4	4,877.84	3/4	4,522.22	3/4	4,142.37	3/4	3,754.29	3/4	3,366.21	3/4	2,978.13	3/4	2,590.05
9		9		9	5,217.52	9	4,870.69	9	4,514.57	9	4,134.29	9	3,746.21	9	3,358.13	9	2,970.05	9	2,581.97
1/4		1/4		1/4	5,209.55	1/4	4,863.50	1/4	4,506.87	1/4	4,126.20	1/4	3,738.12	1/4	3,350.04	1/4	2,961.96	1/4	2,573.88
1/2		1/2		1/2	5,201.59	1/2	4,856.32	1/2	4,499.18	1/2	4,118.12	1/2	3,730.04	1/2	3,341.96	1/2	2,953.88	1/2	2,565.79
3/4		3/4		3/4	5,193.62	3/4	4,849.13	3/4	4,491.49	3/4	4,110.03	3/4	3,721.95	3/4	3,333.87	3/4	2,945.79	3/4	2,557.71
10		10		10	5,185.65	10	4,841.94	10	4,483.79	10	4,101.95	10	3,713.87	10	3,325.79	10	2,937.71	10	2,549.62
1/4		1/4		1/4	5,177.69	1/4	4,834.71	1/4	4,476.06	1/4	4,093.86	1/4	3,705.78	1/4	3,317.70	1/4	2,929.62	1/4	2,541.53
1/2		1/2		1/2	5,169.72	1/2	4,827.48	1/2	4,468.32	1/2	4,085.78	1/2	3,697.70	1/2	3,309.62	1/2	2,921.54	1/2	2,533.44
3/4		3/4		3/4	5,161.75	3/4	4,820.25	3/4	4,460.59	3/4	4,077.69	3/4	3,689.61	3/4	3,301.53	3/4	2,913.45	3/4	2,525.35
11		11		11	5,153.79	11	4,813.02	11	4,452.85	11	4,069.61	11	3,681.53	11	3,293.45	11	2,905.37	11	2,517.26
1/4		1/4		1/4	5,145.82	1/4	4,805.75	1/4	4,445.08	1/4	4,061.52	1/4	3,673.44	1/4	3,285.36	1/4	2,897.28	1/4	2,509.17
1/2		1/2		1/2	5,137.85	1/2	4,798.48	1/2	4,437.30	1/2	4,053.44	1/2	3,665.36	1/2	3,277.28	1/2	2,889.20	1/2	2,501.08
3/4		3/4		3/4	5,129.89	3/4	4,791.21	3/4	4,429.52	3/4	4,045.35	3/4	3,657.27	3/4	3,269.19	3/4	2,881.11	3/4	2,492.99

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 29063"

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	2,484.91	0	2,096.61	0	1,708.32	0	1,320.03	0	931.74	0	558.17	0	170.25	0		0		0	
1/4	2,476.82	1/4	2,088.52	1/4	1,700.23	1/4	1,311.94	1/4	923.89	1/4	550.16	1/4	162.16	1/4		1/4		1/4	
1/2	2,468.73	1/2	2,080.44	1/2	1,692.14	1/2	1,303.85	1/2	916.03	1/2	542.15	1/2	154.07	1/2		1/2		1/2	
3/4	2,460.64	3/4	2,072.35	3/4	1,684.05	3/4	1,295.76	3/4	908.17	3/4	534.15	3/4	145.98	3/4		3/4		3/4	
1	2,452.55	1	2,064.26	1	1,675.97	1	1,287.67	1	900.32	1	526.14	1	137.89	1		1		1	
1/4	2,444.46	1/4	2,056.17	1/4	1,667.88	1/4	1,279.58	1/4	892.54	1/4	518.05	1/4	129.80	1/4		1/4		1/4	
1/2	2,436.37	1/2	2,048.08	1/2	1,659.79	1/2	1,271.50	1/2	884.76	1/2	509.97	1/2	121.71	1/2		1/2		1/2	
3/4	2,428.28	3/4	2,039.99	3/4	1,651.70	3/4	1,263.41	3/4	876.99	3/4	501.88	3/4	113.62	3/4		3/4		3/4	
2	2,420.19	2	2,031.90	2	1,643.61	2	1,255.32	2	869.21	2	493.79	2	105.54	2		2		2	
1/4	2,412.10	1/4	2,023.81	1/4	1,635.52	1/4	1,247.23	1/4	861.43	1/4	485.71	1/4	97.45	1/4		1/4		1/4	
1/2	2,404.01	1/2	2,015.72	1/2	1,627.43	1/2	1,239.14	1/2	853.66	1/2	477.62	1/2	89.36	1/2		1/2		1/2	
3/4	2,395.92	3/4	2,007.63	3/4	1,619.34	3/4	1,231.05	3/4	845.88	3/4	469.54	3/4	81.27	3/4		3/4		3/4	
3	2,387.83	3	1,999.54	3	1,611.25	3	1,222.96	3	838.10	3	461.45	3	73.18	3		3		3	
1/4	2,379.74	1/4	1,991.45	1/4	1,603.16	1/4	1,214.87	1/4	830.32	1/4	453.36	1/4	65.85	1/4		1/4		1/4	
1/2	2,371.65	1/2	1,983.36	1/2	1,595.07	1/2	1,206.78	1/2	822.55	1/2	445.28	1/2	58.52	1/2		1/2		1/2	
3/4	2,363.56	3/4	1,975.27	3/4	1,586.98	3/4	1,198.69	3/4	814.77	3/4	437.19	3/4	51.18	3/4		3/4		3/4	
4	2,355.48	4	1,967.18	4	1,578.89	4	1,190.60	4	806.99	4	429.11	4	43.85	4		4		4	
1/4	2,347.39	1/4	1,959.09	1/4	1,570.80	1/4	1,182.51	1/4	799.21	1/4	421.02	1/4	38.29	1/4		1/4		1/4	
1/2	2,339.30	1/2	1,951.01	1/2	1,562.71	1/2	1,174.42	1/2	791.44	1/2	412.93	1/2	32.73	1/2		1/2		1/2	
3/4	2,331.21	3/4	1,942.92	3/4	1,554.62	3/4	1,166.33	3/4	783.66	3/4	404.84	3/4	27.17	3/4		3/4		3/4	
5	2,323.12	5	1,934.83	5	1,546.54	5	1,158.24	5	775.88	5	396.75	5	21.61	5		5		5	
1/4	2,315.03	1/4	1,926.74	1/4	1,538.45	1/4	1,150.15	1/4	768.10	1/4	388.66	1/4		1/4		1/4		1/4	
1/2	2,306.94	1/2	1,918.65	1/2	1,530.36	1/2	1,142.07	1/2	760.33	1/2	380.58	1/2		1/2		1/2		1/2	
3/4	2,298.85	3/4	1,910.56	3/4	1,522.27	3/4	1,133.98	3/4	752.55	3/4	372.49	3/4		3/4		3/4		3/4	
6	2,290.76	6	1,902.47	6	1,514.18	6	1,125.89	6	744.77	6	364.40	6		6		6		6	
1/4	2,282.67	1/4	1,894.38	1/4	1,506.09	1/4	1,117.80	1/4	737.00	1/4	356.31	1/4		1/4		1/4		1/4	
1/2	2,274.58	1/2	1,886.29	1/2	1,498.00	1/2	1,109.71	1/2	729.22	1/2	348.22	1/2		1/2		1/2		1/2	
3/4	2,266.49	3/4	1,878.20	3/4	1,489.91	3/4	1,101.62	3/4	721.44	3/4	340.13	3/4		3/4		3/4		3/4	
7	2,258.40	7	1,870.11	7	1,481.82	7	1,093.53	7	713.66	7	332.04	7		7		7		7	
1/4	2,250.31	1/4	1,862.02	1/4	1,473.73	1/4	1,085.44	1/4	705.89	1/4	323.95	1/4		1/4		1/4		1/4	
1/2	2,242.22	1/2	1,853.93	1/2	1,465.64	1/2	1,077.35	1/2	698.11	1/2	315.86	1/2		1/2		1/2		1/2	
3/4	2,234.13	3/4	1,845.84	3/4	1,457.55	3/4	1,069.26	3/4	690.33	3/4	307.77	3/4		3/4		3/4		3/4	
8	2,226.04	8	1,837.75	8	1,449.46	8	1,061.17	8	682.55	8	299.68	8		8		8		8	
1/4	2,217.96	1/4	1,829.66	1/4	1,441.37	1/4	1,053.08	1/4	674.78	1/4	291.59	1/4		1/4		1/4		1/4	
1/2	2,209.87	1/2	1,821.57	1/2	1,433.28	1/2	1,044.99	1/2	667.01	1/2	283.50	1/2		1/2		1/2		1/2	
3/4	2,201.78	3/4	1,813.49	3/4	1,425.19	3/4	1,036.90	3/4	659.23	3/4	275.41	3/4		3/4		3/4		3/4	
9	2,193.69	9	1,805.40	9	1,417.10	9	1,028.81	9	651.46	9	267.32	9		9		9		9	
1/4	2,185.60	1/4	1,797.31	1/4	1,409.02	1/4	1,020.72	1/4	643.68	1/4	259.23	1/4		1/4		1/4		1/4	
1/2	2,177.51	1/2	1,789.22	1/2	1,400.93	1/2	1,012.63	1/2	635.91	1/2	251.14	1/2		1/2		1/2		1/2	
3/4	2,169.42	3/4	1,781.13	3/4	1,392.84	3/4	1,004.55	3/4	628.13	3/4	243.06	3/4		3/4		3/4		3/4	
10	2,161.33	10	1,773.04	10	1,384.75	10	996.46	10	620.36	10	234.97	10		10		10		10	
1/4	2,153.24	1/4	1,764.95	1/4	1,376.66	1/4	988.37	1/4	612.59	1/4	226.88	1/4		1/4		1/4		1/4	
1/2	2,145.15	1/2	1,756.86	1/2	1,368.57	1/2	980.28	1/2	604.81	1/2	218.79	1/2		1/2		1/2		1/2	
3/4	2,137.06	3/4	1,748.77	3/4	1,360.48	3/4	972.19	3/4	597.04	3/4	210.70	3/4		3/4		3/4		3/4	
11	2,128.97	11	1,740.68	11	1,352.39	11	964.10	11	589.26	11	202.61	11		11		11		11	
1/4	2,120.88	1/4	1,732.59	1/4	1,344.30	1/4	956.01	1/4	581.49	1/4	194.52	1/4		1/4		1/4		1/4	
1/2	2,112.79	1/2	1,724.50	1/2	1,336.21	1/2	947.92	1/2	573.72	1/2	186.43	1/2		1/2		1/2		1/2	
3/4	2,104.70	3/4	1,716.41	3/4	1,328.12	3/4	939.83	3/4	565.94	3/4	178.34	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/17/2017 SW
CALCULATED: 02/17/2017 CL
PRINTED: 02/17/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "KIRBY 29063"

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	4,389.32	0	4,090.25	0	3,770.50	0	3,431.25	0	3,089.01	0	2,746.76	0	2,404.52
1/4		1/4		1/4		1/4	4,383.04	1/4	4,083.81	1/4	3,763.61	1/4	3,424.12	1/4	3,081.88	1/4	2,739.63	1/4	2,397.39
1/2		1/2		1/2		1/2	4,376.76	1/2	4,077.36	1/2	3,756.72	1/2	3,416.99	1/2	3,074.75	1/2	2,732.50	1/2	2,390.26
3/4		3/4		3/4		3/4	4,370.49	3/4	4,070.91	3/4	3,749.82	3/4	3,409.86	3/4	3,067.62	3/4	2,725.37	3/4	2,383.13
1		1		1		1	4,364.46	1	4,064.43	1	3,742.89	1	3,402.73	1	3,060.49	1	2,718.24	1	2,376.00
1/4		1/4		1/4		1/4	4,358.43	1/4	4,057.94	1/4	3,735.96	1/4	3,395.60	1/4	3,053.36	1/4	2,711.11	1/4	2,368.87
1/2		1/2		1/2		1/2	4,352.39	1/2	4,051.46	1/2	3,729.03	1/2	3,388.47	1/2	3,046.23	1/2	2,703.98	1/2	2,361.74
3/4		3/4		3/4		3/4	4,346.36	3/4	4,044.97	3/4	3,722.10	3/4	3,381.34	3/4	3,039.10	3/4	2,696.85	3/4	2,354.61
2		2		2		2	4,340.30	2	4,038.45	2	3,715.13	2	3,374.21	2	3,031.97	2	2,689.72	2	2,347.48
1/4		1/4		1/4		1/4	4,334.23	1/4	4,031.93	1/4	3,708.16	1/4	3,367.08	1/4	3,024.84	1/4	2,682.59	1/4	2,340.35
1/2		1/2		1/2		1/2	4,328.16	1/2	4,025.41	1/2	3,701.19	1/2	3,359.95	1/2	3,017.71	1/2	2,675.46	1/2	2,333.22
3/4		3/4		3/4		3/4	4,322.09	3/4	4,018.89	3/4	3,694.22	3/4	3,352.82	3/4	3,010.58	3/4	2,668.33	3/4	2,326.09
3		3		3		3	4,315.98	3	4,012.33	3	3,687.20	3	3,345.69	3	3,003.44	3	2,661.20	3	2,318.96
1/4		1/4		1/4		1/4	4,309.87	1/4	4,005.77	1/4	3,680.18	1/4	3,338.56	1/4	2,996.31	1/4	2,654.07	1/4	2,311.83
1/2		1/2		1/2		1/2	4,303.76	1/2	3,999.21	1/2	3,673.16	1/2	3,331.43	1/2	2,989.18	1/2	2,646.94	1/2	2,304.70
3/4		3/4		3/4		3/4	4,297.65	3/4	3,992.65	3/4	3,666.13	3/4	3,324.30	3/4	2,982.05	3/4	2,639.81	3/4	2,297.57
4		4		4		4	4,291.50	4	3,986.05	4	3,659.07	4	3,317.17	4	2,974.92	4	2,632.68	4	2,290.43
1/4		1/4		1/4		1/4	4,285.35	1/4	3,979.46	1/4	3,652.00	1/4	3,310.04	1/4	2,967.79	1/4	2,625.55	1/4	2,283.30
1/2		1/2		1/2		1/2	4,279.20	1/2	3,972.86	1/2	3,644.94	1/2	3,302.91	1/2	2,960.66	1/2	2,618.42	1/2	2,276.17
3/4		3/4		3/4		3/4	4,273.05	3/4	3,966.26	3/4	3,637.87	3/4	3,295.78	3/4	2,953.53	3/4	2,611.29	3/4	2,269.04
5		5		5		5	4,266.87	5	3,959.63	5	3,630.77	5	3,288.65	5	2,946.40	5	2,604.16	5	2,261.91
1/4		1/4		1/4		1/4	4,260.68	1/4	3,953.00	1/4	3,623.67	1/4	3,281.52	1/4	2,939.27	1/4	2,597.03	1/4	2,254.78
1/2		1/2		1/2		1/2	4,254.49	1/2	3,946.36	1/2	3,616.57	1/2	3,274.39	1/2	2,932.14	1/2	2,589.90	1/2	2,247.65
3/4		3/4		3/4		3/4	4,248.31	3/4	3,939.73	3/4	3,609.47	3/4	3,267.26	3/4	2,925.01	3/4	2,582.77	3/4	2,240.52
6		6		6		6	4,242.08	6	3,933.06	6	3,602.34	6	3,260.13	6	2,917.88	6	2,575.64	6	2,233.39
1/4		1/4		1/4		1/4	4,235.86	1/4	3,926.39	1/4	3,595.22	1/4	3,253.00	1/4	2,910.75	1/4	2,568.51	1/4	2,226.26
1/2		1/2		1/2	4,535.10	1/2	4,229.63	1/2	3,919.72	1/2	3,588.10	1/2	3,245.87	1/2	2,903.62	1/2	2,561.38	1/2	2,219.13
3/4		3/4		3/4	4,530.85	3/4	4,223.41	3/4	3,913.05	3/4	3,580.98	3/4	3,238.74	3/4	2,896.49	3/4	2,554.25	3/4	2,212.00
7		7		7	4,525.17	7	4,217.15	7	3,906.34	7	3,573.85	7	3,231.61	7	2,889.36	7	2,547.12	7	2,204.87
1/4		1/4		1/4	4,519.50	1/4	4,210.89	1/4	3,899.63	1/4	3,566.72	1/4	3,224.48	1/4	2,882.23	1/4	2,539.99	1/4	2,197.74
1/2		1/2		1/2	4,513.82	1/2	4,204.63	1/2	3,892.92	1/2	3,559.59	1/2	3,217.35	1/2	2,875.10	1/2	2,532.86	1/2	2,190.61
3/4		3/4		3/4	4,508.15	3/4	4,198.37	3/4	3,886.22	3/4	3,552.46	3/4	3,210.22	3/4	2,867.97	3/4	2,525.73	3/4	2,183.48
8		8		8	4,501.31	8	4,192.07	8	3,879.47	8	3,545.33	8	3,203.09	8	2,860.84	8	2,518.60	8	2,176.35
1/4		1/4		1/4	4,494.48	1/4	4,185.77	1/4	3,872.73	1/4	3,538.20	1/4	3,195.96	1/4	2,853.71	1/4	2,511.47	1/4	2,169.22
1/2		1/2		1/2	4,487.65	1/2	4,179.47	1/2	3,865.98	1/2	3,531.07	1/2	3,188.83	1/2	2,846.58	1/2	2,504.34	1/2	2,162.09
3/4		3/4		3/4	4,480.81	3/4	4,173.17	3/4	3,859.24	3/4	3,523.94	3/4	3,181.70	3/4	2,839.45	3/4	2,497.21	3/4	2,154.96
9		9		9	4,473.71	9	4,166.84	9	3,852.45	9	3,516.81	9	3,174.57	9	2,832.32	9	2,490.08	9	2,147.83
1/4		1/4		1/4	4,466.61	1/4	4,160.50	1/4	3,845.67	1/4	3,509.68	1/4	3,167.44	1/4	2,825.19	1/4	2,482.95	1/4	2,140.70
1/2		1/2		1/2	4,459.51	1/2	4,154.17	1/2	3,838.89	1/2	3,502.55	1/2	3,160.31	1/2	2,818.06	1/2	2,475.82	1/2	2,133.57
3/4		3/4		3/4	4,452.41	3/4	4,147.83	3/4	3,832.11	3/4	3,495.42	3/4	3,153.18	3/4	2,810.93	3/4	2,468.69	3/4	2,126.44
10		10		10	4,445.31	10	4,141.46	10	3,825.29	10	3,488.29	10	3,146.05	10	2,803.80	10	2,461.56	10	2,119.31
1/4		1/4		1/4	4,438.20	1/4	4,135.09	1/4	3,818.47	1/4	3,481.16	1/4	3,138.92	1/4	2,796.67	1/4	2,454.43	1/4	2,112.18
1/2		1/2		1/2	4,431.10	1/2	4,128.71	1/2	3,811.65	1/2	3,474.03	1/2	3,131.79	1/2	2,789.54	1/2	2,447.30	1/2	2,105.05
3/4		3/4		3/4	4,424.00	3/4	4,122.34	3/4	3,804.83	3/4	3,466.90	3/4	3,124.66	3/4	2,782.41	3/4	2,440.17	3/4	2,097.92
11		11		11	4,416.90	11	4,115.93	11	3,797.97	11	3,459.77	11	3,117.53	11	2,775.28	11	2,433.04	11	2,090.79
1/4		1/4		1/4	4,409.80	1/4	4,109.52	1/4	3,791.11	1/4	3,452.64	1/4	3,110.40	1/4	2,768.15	1/4	2,425.91	1/4	2,083.66
1/2		1/2		1/2	4,402.70	1/2	4,103.11	1/2	3,784.26	1/2	3,445.51	1/2	3,103.27	1/2	2,761.02	1/2	2,418.78	1/2	2,076.53
3/4		3/4		3/4	4,395.60	3/4	4,096.70	3/4	3,777.40	3/4	3,438.38	3/4	3,096.14	3/4	2,753.89	3/4	2,411.65	3/4	2,069.40

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 29063"

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	2,062.27	0	1,720.03	0	1,377.78	0	1,035.54	0	694.69	0	378.18	0	94.13	0		0		0	
1/4	2,055.14	1/4	1,712.90	1/4	1,370.65	1/4	1,028.41	1/4	687.77	1/4	371.94	1/4	88.56	1/4		1/4		1/4	
1/2	2,048.01	1/2	1,705.77	1/2	1,363.52	1/2	1,021.28	1/2	680.85	1/2	365.71	1/2	82.99	1/2		1/2		1/2	
3/4	2,040.88	3/4	1,698.64	3/4	1,356.39	3/4	1,014.15	3/4	673.93	3/4	359.47	3/4	77.43	3/4		3/4		3/4	
1	2,033.75	1	1,691.51	1	1,349.26	1	1,007.02	1	667.07	1	353.28	1	71.91	1		1		1	
1/4	2,026.62	1/4	1,684.38	1/4	1,342.13	1/4	999.89	1/4	660.21	1/4	347.10	1/4	66.40	1/4		1/4		1/4	
1/2	2,019.49	1/2	1,677.25	1/2	1,335.00	1/2	992.76	1/2	653.34	1/2	340.92	1/2	60.89	1/2		1/2		1/2	
3/4	2,012.36	3/4	1,670.12	3/4	1,327.87	3/4	985.63	3/4	646.48	3/4	334.73	3/4	55.38	3/4		3/4		3/4	
2	2,005.23	2	1,662.99	2	1,320.74	2	978.50	2	639.67	2	328.61	2	49.93	2		2		2	
1/4	1,998.10	1/4	1,655.86	1/4	1,313.61	1/4	971.37	1/4	632.87	1/4	322.48	1/4	44.47	1/4		1/4		1/4	
1/2	1,990.97	1/2	1,648.73	1/2	1,306.48	1/2	964.24	1/2	626.06	1/2	316.35	1/2	39.02	1/2		1/2		1/2	
3/4	1,983.84	3/4	1,641.60	3/4	1,299.35	3/4	957.11	3/4	619.26	3/4	310.23	3/4	33.57	3/4		3/4		3/4	
3	1,976.71	3	1,634.47	3	1,292.22	3	949.98	3	612.51	3	304.16	3	28.84	3		3		3	
1/4	1,969.58	1/4	1,627.34	1/4	1,285.09	1/4	942.85	1/4	605.76	1/4	298.09	1/4	24.11	1/4		1/4		1/4	
1/2	1,962.45	1/2	1,620.21	1/2	1,277.96	1/2	935.72	1/2	599.01	1/2	292.01	1/2	19.38	1/2		1/2		1/2	
3/4	1,955.32	3/4	1,613.08	3/4	1,270.83	3/4	928.59	3/4	592.26	3/4	285.94	3/4	14.65	3/4		3/4		3/4	
4	1,948.19	4	1,605.95	4	1,263.70	4	921.46	4	585.56	4	279.93	4	11.53	4		4		4	
1/4	1,941.06	1/4	1,598.82	1/4	1,256.57	1/4	914.33	1/4	578.87	1/4	273.91	1/4	8.42	1/4		1/4		1/4	
1/2	1,933.93	1/2	1,591.69	1/2	1,249.44	1/2	907.20	1/2	572.18	1/2	267.89	1/2	5.31	1/2		1/2		1/2	
3/4	1,926.80	3/4	1,584.56	3/4	1,242.31	3/4	900.07	3/4	565.48	3/4	261.88	3/4	2.19	3/4		3/4		3/4	
5	1,919.67	5	1,577.42	5	1,235.18	5	892.94	5	558.85	5	255.92	5		5		5		5	
1/4	1,912.54	1/4	1,570.29	1/4	1,228.05	1/4	885.81	1/4	552.21	1/4	249.95	1/4		1/4		1/4		1/4	
1/2	1,905.41	1/2	1,563.16	1/2	1,220.92	1/2	878.68	1/2	545.57	1/2	243.99	1/2		1/2		1/2		1/2	
3/4	1,898.28	3/4	1,556.03	3/4	1,213.79	3/4	871.55	3/4	538.93	3/4	238.03	3/4		3/4		3/4		3/4	
6	1,891.15	6	1,548.90	6	1,206.66	6	864.41	6	532.35	6	232.13	6		6		6		6	
1/4	1,884.02	1/4	1,541.77	1/4	1,199.53	1/4	857.28	1/4	525.77	1/4	226.22	1/4		1/4		1/4		1/4	
1/2	1,876.89	1/2	1,534.64	1/2	1,192.40	1/2	850.15	1/2	519.19	1/2	220.32	1/2		1/2		1/2		1/2	
3/4	1,869.76	3/4	1,527.51	3/4	1,185.27	3/4	843.02	3/4	512.61	3/4	214.41	3/4		3/4		3/4		3/4	
7	1,862.63	7	1,520.38	7	1,178.14	7	835.89	7	506.09	7	208.56	7		7		7		7	
1/4	1,855.50	1/4	1,513.25	1/4	1,171.01	1/4	828.76	1/4	499.56	1/4	202.72	1/4		1/4		1/4		1/4	
1/2	1,848.37	1/2	1,506.12	1/2	1,163.88	1/2	821.63	1/2	493.04	1/2	196.87	1/2		1/2		1/2		1/2	
3/4	1,841.24	3/4	1,498.99	3/4	1,156.75	3/4	814.50	3/4	486.51	3/4	191.02	3/4		3/4		3/4		3/4	
8	1,834.11	8	1,491.86	8	1,149.62	8	807.37	8	480.05	8	185.23	8		8		8		8	
1/4	1,826.98	1/4	1,484.73	1/4	1,142.49	1/4	800.24	1/4	473.58	1/4	179.43	1/4		1/4		1/4		1/4	
1/2	1,819.85	1/2	1,477.60	1/2	1,135.36	1/2	793.11	1/2	467.12	1/2	173.64	1/2		1/2		1/2		1/2	
3/4	1,812.72	3/4	1,470.47	3/4	1,128.23	3/4	785.98	3/4	460.65	3/4	167.85	3/4		3/4		3/4		3/4	
9	1,805.59	9	1,463.34	9	1,121.10	9	778.90	9	454.24	9	162.11	9		9		9		9	
1/4	1,798.46	1/4	1,456.21	1/4	1,113.97	1/4	771.81	1/4	447.83	1/4	156.38	1/4		1/4		1/4		1/4	
1/2	1,791.33	1/2	1,449.08	1/2	1,106.84	1/2	764.72	1/2	441.42	1/2	150.64	1/2		1/2		1/2		1/2	
3/4	1,784.20	3/4	1,441.95	3/4	1,099.71	3/4	757.63	3/4	435.02	3/4	144.90	3/4		3/4		3/4		3/4	
10	1,777.07	10	1,434.82	10	1,092.58	10	750.60	10	428.66	10	139.23	10		10		10		10	
1/4	1,769.94	1/4	1,427.69	1/4	1,085.45	1/4	743.57	1/4	422.31	1/4	133.55	1/4		1/4		1/4		1/4	
1/2	1,762.81	1/2	1,420.56	1/2	1,078.32	1/2	736.54	1/2	415.96	1/2	127.87	1/2		1/2		1/2		1/2	
3/4	1,755.68	3/4	1,413.43	3/4	1,071.19	3/4	729.51	3/4	409.61	3/4	122.19	3/4		3/4		3/4		3/4	
11	1,748.55	11	1,406.30	11	1,064.06	11	722.53	11	403.31	11	116.56	11		11		11		11	
1/4	1,741.42	1/4	1,399.17	1/4	1,056.93	1/4	715.56	1/4	397.02	1/4	110.94	1/4		1/4		1/4		1/4	
1/2	1,734.29	1/2	1,392.04	1/2	1,049.80	1/2	708.58	1/2	390.72	1/2	105.32	1/2		1/2		1/2		1/2	
3/4	1,727.16	3/4	1,384.91	3/4	1,042.67	3/4	701.61	3/4	384.42	3/4	99.69	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/17/2017 SW
CALCULATED: 02/17/2017 CL
PRINTED: 02/17/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

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

BARGE "KIRBY 29063"

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,395.98	0	4,096.62	0	3,778.11	0	3,439.80	0	3,098.04	0	2,756.27	0	2,414.51
1/4		1/4		1/4		1/4	4,388.89	1/4	4,090.22	1/4	3,771.26	1/4	3,432.68	1/4	3,090.92	1/4	2,749.15	1/4	2,407.39
1/2		1/2		1/2		1/2	4,382.62	1/2	4,083.78	1/2	3,764.37	1/2	3,425.56	1/2	3,083.80	1/2	2,742.03	1/2	2,400.27
3/4		3/4		3/4		3/4	4,376.35	3/4	4,077.34	3/4	3,757.49	3/4	3,418.44	3/4	3,076.68	3/4	2,734.91	3/4	2,393.15
1		1		1		1	4,370.07	1	4,070.89	1	3,750.60	1	3,411.32	1	3,069.56	1	2,727.79	1	2,386.03
1/4		1/4		1/4		1/4	4,363.80	1/4	4,064.45	1/4	3,743.72	1/4	3,404.20	1/4	3,062.44	1/4	2,720.67	1/4	2,378.91
1/2		1/2		1/2		1/2	4,357.77	1/2	4,057.97	1/2	3,736.79	1/2	3,397.08	1/2	3,055.32	1/2	2,713.55	1/2	2,371.79
3/4		3/4		3/4		3/4	4,351.75	3/4	4,051.50	3/4	3,729.87	3/4	3,389.96	3/4	3,048.20	3/4	2,706.43	3/4	2,364.67
2		2		2		2	4,345.72	2	4,045.02	2	3,722.95	2	3,382.84	2	3,041.08	2	2,699.31	2	2,357.55
1/4		1/4		1/4		1/4	4,339.69	1/4	4,038.54	1/4	3,716.03	1/4	3,375.72	1/4	3,033.96	1/4	2,692.19	1/4	2,350.43
1/2		1/2		1/2		1/2	4,333.63	1/2	4,032.02	1/2	3,709.07	1/2	3,368.60	1/2	3,026.84	1/2	2,685.07	1/2	2,343.31
3/4		3/4		3/4		3/4	4,327.56	3/4	4,025.51	3/4	3,702.11	3/4	3,361.48	3/4	3,019.72	3/4	2,677.95	3/4	2,336.19
3		3		3		3	4,321.50	3	4,018.99	3	3,695.15	3	3,354.36	3	3,012.60	3	2,670.83	3	2,329.07
1/4		1/4		1/4		1/4	4,315.44	1/4	4,012.48	1/4	3,688.19	1/4	3,347.24	1/4	3,005.48	1/4	2,663.71	1/4	2,321.95
1/2		1/2		1/2		1/2	4,309.33	1/2	4,005.93	1/2	3,681.18	1/2	3,340.12	1/2	2,998.36	1/2	2,656.59	1/2	2,314.83
3/4		3/4		3/4		3/4	4,303.22	3/4	3,999.37	3/4	3,674.16	3/4	3,333.00	3/4	2,991.24	3/4	2,649.47	3/4	2,307.71
4		4		4		4	4,297.12	4	3,992.82	4	3,667.15	4	3,325.88	4	2,984.12	4	2,642.35	4	2,300.59
1/4		1/4		1/4		1/4	4,291.01	1/4	3,986.27	1/4	3,660.14	1/4	3,318.76	1/4	2,977.00	1/4	2,635.23	1/4	2,293.47
1/2		1/2		1/2		1/2	4,284.86	1/2	3,979.68	1/2	3,653.08	1/2	3,311.64	1/2	2,969.88	1/2	2,628.11	1/2	2,286.35
3/4		3/4		3/4		3/4	4,278.72	3/4	3,973.09	3/4	3,646.03	3/4	3,304.52	3/4	2,962.76	3/4	2,620.99	3/4	2,279.23
5		5		5		5	4,272.57	5	3,966.50	5	3,638.97	5	3,297.40	5	2,955.64	5	2,613.87	5	2,272.11
1/4		1/4		1/4		1/4	4,266.43	1/4	3,959.91	1/4	3,631.92	1/4	3,290.28	1/4	2,948.52	1/4	2,606.75	1/4	2,264.99
1/2		1/2		1/2		1/2	4,260.25	1/2	3,953.28	1/2	3,624.82	1/2	3,283.16	1/2	2,941.40	1/2	2,599.63	1/2	2,257.87
3/4		3/4		3/4		3/4	4,254.06	3/4	3,946.66	3/4	3,617.73	3/4	3,276.04	3/4	2,934.28	3/4	2,592.51	3/4	2,250.75
6		6		6		6	4,247.88	6	3,940.03	6	3,610.64	6	3,268.92	6	2,927.16	6	2,585.39	6	2,243.63
1/4		1/4		1/4		1/4	4,241.70	1/4	3,933.40	1/4	3,603.55	1/4	3,261.80	1/4	2,920.04	1/4	2,578.27	1/4	2,236.51
1/2		1/2		1/2		1/2	4,235.48	1/2	3,926.74	1/2	3,596.43	1/2	3,254.68	1/2	2,912.91	1/2	2,571.15	1/2	2,229.39
3/4		3/4		3/4		3/4	4,229.26	3/4	3,920.08	3/4	3,589.32	3/4	3,247.56	3/4	2,905.79	3/4	2,564.03	3/4	2,222.27
7		7		7	4,528.21	7	4,223.04	7	3,913.41	7	3,582.20	7	3,240.44	7	2,898.67	7	2,556.91	7	2,215.15
1/4		1/4		1/4	4,523.97	1/4	4,216.82	1/4	3,906.75	1/4	3,575.08	1/4	3,233.32	1/4	2,891.55	1/4	2,549.79	1/4	2,208.03
1/2		1/2		1/2	4,518.30	1/2	4,210.57	1/2	3,900.05	1/2	3,567.96	1/2	3,226.20	1/2	2,884.43	1/2	2,542.67	1/2	2,200.90
3/4		3/4		3/4	4,512.63	3/4	4,204.31	3/4	3,893.35	3/4	3,560.84	3/4	3,219.08	3/4	2,877.31	3/4	2,535.55	3/4	2,193.78
8		8		8	4,506.96	8	4,198.05	8	3,886.65	8	3,553.72	8	3,211.96	8	2,870.19	8	2,528.43	8	2,186.66
1/4		1/4		1/4	4,501.29	1/4	4,191.80	1/4	3,879.95	1/4	3,546.60	1/4	3,204.84	1/4	2,863.07	1/4	2,521.31	1/4	2,179.54
1/2		1/2		1/2	4,494.47	1/2	4,185.51	1/2	3,873.21	1/2	3,539.48	1/2	3,197.72	1/2	2,855.95	1/2	2,514.19	1/2	2,172.42
3/4		3/4		3/4	4,487.64	3/4	4,179.21	3/4	3,866.47	3/4	3,532.36	3/4	3,190.60	3/4	2,848.83	3/4	2,507.07	3/4	2,165.30
9		9		9	4,480.82	9	4,172.92	9	3,859.74	9	3,525.24	9	3,183.48	9	2,841.71	9	2,499.95	9	2,158.18
1/4		1/4		1/4	4,473.99	1/4	4,166.63	1/4	3,853.00	1/4	3,518.12	1/4	3,176.36	1/4	2,834.59	1/4	2,492.83	1/4	2,151.06
1/2		1/2		1/2	4,466.90	1/2	4,160.30	1/2	3,846.22	1/2	3,511.00	1/2	3,169.24	1/2	2,827.47	1/2	2,485.71	1/2	2,143.94
3/4		3/4		3/4	4,459.81	3/4	4,153.96	3/4	3,839.45	3/4	3,503.88	3/4	3,162.12	3/4	2,820.35	3/4	2,478.59	3/4	2,136.82
10		10		10	4,452.72	10	4,147.63	10	3,832.67	10	3,496.76	10	3,155.00	10	2,813.23	10	2,471.47	10	2,129.70
1/4		1/4		1/4	4,445.62	1/4	4,141.30	1/4	3,825.90	1/4	3,489.64	1/4	3,147.88	1/4	2,806.11	1/4	2,464.35	1/4	2,122.58
1/2		1/2		1/2	4,438.53	1/2	4,134.94	1/2	3,819.09	1/2	3,482.52	1/2	3,140.76	1/2	2,798.99	1/2	2,457.23	1/2	2,115.46
3/4		3/4		3/4	4,431.44	3/4	4,128.57	3/4	3,812.28	3/4	3,475.40	3/4	3,133.64	3/4	2,791.87	3/4	2,450.11	3/4	2,108.34
11		11		11	4,424.35	11	4,122.20	11	3,805.47	11	3,468.28	11	3,126.52	11	2,784.75	11	2,442.99	11	2,101.22
1/4		1/4		1/4	4,417.26	1/4	4,115.84	1/4	3,798.65	1/4	3,461.16	1/4	3,119.40	1/4	2,777.63	1/4	2,435.87	1/4	2,094.10
1/2		1/2		1/2	4,410.17	1/2	4,109.43	1/2	3,791.81	1/2	3,454.04	1/2	3,112.28	1/2	2,770.51	1/2	2,428.75	1/2	2,086.98
3/4		3/4		3/4	4,403.08	3/4	4,103.03	3/4	3,784.96	3/4	3,446.92	3/4	3,105.16	3/4	2,763.39	3/4	2,421.63	3/4	2,079.86

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
GAUGE POINT: (HERMETIC) LOCATED 12'-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 29063"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,072.74	0	1,730.98	0	1,389.21	0	1,047.51	0	708.18	0	390.66	0	105.40	0		0		0	
1/4	2,065.62	1/4	1,723.86	1/4	1,382.09	1/4	1,040.41	1/4	701.22	1/4	384.37	1/4	99.78	1/4		1/4		1/4	
1/2	2,058.50	1/2	1,716.74	1/2	1,374.97	1/2	1,033.31	1/2	694.31	1/2	378.13	1/2	94.21	1/2		1/2		1/2	
3/4	2,051.38	3/4	1,709.62	3/4	1,367.85	3/4	1,026.22	3/4	687.40	3/4	371.90	3/4	88.65	3/4		3/4		3/4	
1	2,044.26	1	1,702.50	1	1,360.73	1	1,019.13	1	680.49	1	365.67	1	83.08	1		1		1	
1/4	2,037.14	1/4	1,695.38	1/4	1,353.61	1/4	1,012.03	1/4	673.58	1/4	359.43	1/4	77.51	1/4		1/4		1/4	
1/2	2,030.02	1/2	1,688.26	1/2	1,346.49	1/2	1,004.94	1/2	666.73	1/2	353.25	1/2	72.00	1/2		1/2		1/2	
3/4	2,022.90	3/4	1,681.14	3/4	1,339.37	3/4	997.85	3/4	659.87	3/4	347.07	3/4	66.49	3/4		3/4		3/4	
2	2,015.78	2	1,674.02	2	1,332.25	2	990.76	2	653.02	2	340.89	2	60.98	2		2		2	
1/4	2,008.66	1/4	1,666.90	1/4	1,325.13	1/4	983.67	1/4	646.16	1/4	334.72	1/4	55.47	1/4		1/4		1/4	
1/2	2,001.54	1/2	1,659.78	1/2	1,318.01	1/2	976.58	1/2	639.37	1/2	328.59	1/2	50.02	1/2		1/2		1/2	
3/4	1,994.42	3/4	1,652.66	3/4	1,310.89	3/4	969.49	3/4	632.57	3/4	322.47	3/4	44.56	3/4		3/4		3/4	
3	1,987.30	3	1,645.54	3	1,303.77	3	962.41	3	625.77	3	316.35	3	39.11	3		3		3	
1/4	1,980.18	1/4	1,638.42	1/4	1,296.65	1/4	955.32	1/4	618.97	1/4	310.22	1/4	33.66	1/4		1/4		1/4	
1/2	1,973.06	1/2	1,631.30	1/2	1,289.53	1/2	948.23	1/2	612.23	1/2	304.16	1/2	28.92	1/2		1/2		1/2	
3/4	1,965.94	3/4	1,624.18	3/4	1,282.41	3/4	941.14	3/4	605.49	3/4	298.09	3/4	24.19	3/4		3/4		3/4	
4	1,958.82	4	1,617.06	4	1,275.29	4	934.05	4	598.75	4	292.02	4	19.46	4		4		4	
1/4	1,951.70	1/4	1,609.94	1/4	1,268.17	1/4	926.97	1/4	592.00	1/4	285.96	1/4	14.73	1/4		1/4		1/4	
1/2	1,944.58	1/2	1,602.82	1/2	1,261.05	1/2	919.88	1/2	585.32	1/2	279.94	1/2	11.61	1/2		1/2		1/2	
3/4	1,937.46	3/4	1,595.70	3/4	1,253.93	3/4	912.79	3/4	578.63	3/4	273.93	3/4	8.50	3/4		3/4		3/4	
5	1,930.34	5	1,588.58	5	1,246.81	5	905.70	5	571.95	5	267.92	5	5.38	5		5		5	
1/4	1,923.22	1/4	1,581.46	1/4	1,239.69	1/4	898.61	1/4	565.26	1/4	261.90	1/4	2.26	1/4		1/4		1/4	
1/2	1,916.10	1/2	1,574.34	1/2	1,232.57	1/2	891.52	1/2	558.63	1/2	255.95	1/2		1/2		1/2		1/2	
3/4	1,908.98	3/4	1,567.22	3/4	1,225.45	3/4	884.44	3/4	552.00	3/4	249.99	3/4		3/4		3/4		3/4	
6	1,901.86	6	1,560.10	6	1,218.33	6	877.35	6	545.37	6	244.03	6		6		6		6	
1/4	1,894.74	1/4	1,552.98	1/4	1,211.21	1/4	870.26	1/4	538.74	1/4	238.07	1/4		1/4		1/4		1/4	
1/2	1,887.62	1/2	1,545.86	1/2	1,204.09	1/2	863.17	1/2	532.16	1/2	232.17	1/2		1/2		1/2		1/2	
3/4	1,880.50	3/4	1,538.74	3/4	1,196.97	3/4	856.08	3/4	525.59	3/4	226.27	3/4		3/4		3/4		3/4	
7	1,873.38	7	1,531.62	7	1,189.85	7	848.99	7	519.02	7	220.36	7		7		7		7	
1/4	1,866.26	1/4	1,524.50	1/4	1,182.73	1/4	841.91	1/4	512.44	1/4	214.46	1/4		1/4		1/4		1/4	
1/2	1,859.14	1/2	1,517.38	1/2	1,175.61	1/2	834.82	1/2	505.92	1/2	208.62	1/2		1/2		1/2		1/2	
3/4	1,852.02	3/4	1,510.26	3/4	1,168.49	3/4	827.73	3/4	499.41	3/4	202.77	3/4		3/4		3/4		3/4	
8	1,844.90	8	1,503.14	8	1,161.37	8	820.64	8	492.89	8	196.92	8		8		8		8	
1/4	1,837.78	1/4	1,496.02	1/4	1,154.25	1/4	813.55	1/4	486.37	1/4	191.08	1/4		1/4		1/4		1/4	
1/2	1,830.66	1/2	1,488.89	1/2	1,147.13	1/2	806.47	1/2	479.91	1/2	185.29	1/2		1/2		1/2		1/2	
3/4	1,823.54	3/4	1,481.77	3/4	1,140.01	3/4	799.38	3/4	473.45	3/4	179.50	3/4		3/4		3/4		3/4	
9	1,816.42	9	1,474.65	9	1,132.89	9	792.29	9	466.99	9	173.71	9		9		9		9	
1/4	1,809.30	1/4	1,467.53	1/4	1,125.77	1/4	785.20	1/4	460.53	1/4	167.92	1/4		1/4		1/4		1/4	
1/2	1,802.18	1/2	1,460.41	1/2	1,118.65	1/2	778.15	1/2	454.13	1/2	162.18	1/2		1/2		1/2		1/2	
3/4	1,795.06	3/4	1,453.29	3/4	1,111.53	3/4	771.11	3/4	447.73	3/4	156.45	3/4		3/4		3/4		3/4	
10	1,787.94	10	1,446.17	10	1,104.41	10	764.06	10	441.32	10	150.71	10		10		10		10	
1/4	1,780.82	1/4	1,439.05	1/4	1,097.29	1/4	757.02	1/4	434.92	1/4	144.98	1/4		1/4		1/4		1/4	
1/2	1,773.70	1/2	1,431.93	1/2	1,090.17	1/2	750.03	1/2	428.57	1/2	139.30	1/2		1/2		1/2		1/2	
3/4	1,766.58	3/4	1,424.81	3/4	1,083.05	3/4	743.03	3/4	422.23	3/4	133.62	3/4		3/4		3/4		3/4	
11	1,759.46	11	1,417.69	11	1,075.93	11	736.04	11	415.88	11	127.95	11		11		11		11	
1/4	1,752.34	1/4	1,410.57	1/4	1,068.81	1/4	729.05	1/4	409.53	1/4	122.27	1/4		1/4		1/4		1/4	
1/2	1,745.22	1/2	1,403.45	1/2	1,061.71	1/2	722.10	1/2	403.24	1/2	116.64	1/2		1/2		1/2		1/2	
3/4	1,738.10	3/4	1,396.33	3/4	1,054.61	3/4	715.14	3/4	396.95	3/4	111.02	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/17/2017 SW
CALCULATED: 02/17/2017 CL
PRINTED: 02/17/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

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