BARGE "KIRBY 29087"

ULLAGE TRIM TABLE

FORMERLY "CTCO 315"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 236'-03"

October 5, 2023

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

http://www.pmacorp.net

BARGE "KIRBY 29087"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 315"

GAUGE HEIGHT 16'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,947.94	0	4,619.25	0	4,269.33	0	3,903.60	0	3,536.93	0	3,169.73	0	2,802.41
1/4		1/4		1/4		1/4	4,940.84	1/4	4,612.19	1/4	4,261.83	1/4	3,895.96	1/4	3,529.29	1/4	3,162.08	1/4	2,794.76
1/2		1/2		1/2		1/2	4,934.20	1/2	4,605.09	1/2	4,254.29	1/2	3,888.32	1/2	3,521.64	1/2	3,154.43	1/2	2,787.11
3/4		3/4		3/4		3/4	4,927.56	3/4	4,597.99	3/4	4,246.75	3/4	3,880.69	3/4	3,513.99	3/4	3,146.78	3/4	2,779.45
1		1		1		1	4,920.91	1	4,590.89	1	4,239.21	1	3,873.05	1	3,506.34	1	3,139.13	1	2,771.80
1/4		1/4		1/4		1/4	4,914.27	1/4	4,583.79	1/4	4,231.66	1/4	3,865.41	1/4	3,498.69	1/4	3,131.48	1/4	2,764.14
1/2		1/2		1/2		1/2	4,907.60	1/2	4,576.66	1/2	4,224.09	1/2	3,857.77	1/2	3,491.04	1/2	3,123.83	1/2	2,756.49
3/4		3/4		3/4		3/4	4,900.93	3/4	4,569.53	3/4	4,216.51	3/4	3,850.13	3/4	3,483.39	3/4	3,116.18	3/4	2,748.83
2		2		2		2	4,894.25	2	4,562.39	2	4,208.94	2	3,842.49	2	3,475.74	2	3,108.53	2	2,741.18
1/4		1/4		1/4		1/4	4,887.58	1/4	4,555.26	1/4	4,201.36	1/4	3,834.85	1/4	3,468.09	1/4	3,100.88	1/4	2,733.53
1/2		1/2		1/2		1/2	4,880.87	1/2	4,548.09	1/2	4,193.75	1/2	3,827.22	1/2	3,460.44	1/2	3,093.23	1/2	2,725.87
3/4		3/4		3/4		3/4	4,874.16	3/4	4,540.93	3/4	4,186.14	3/4	3,819.58	3/4	3,452.79	3/4	3,085.58	3/4	2,718.22
3		3		3		3	4,867.45	3	4,533.76	3	4,178.53	3	3,811.94	3	3,445.14	3	3,077.93	3	2,710.56
1/4		1/4		1/4		1/4	4,860.74	1/4	4,526.60	1/4	4,170.92	1/4	3,804.30	1/4	3,437.49	1/4	3,070.28	1/4	2,702.91
1/2		1/2		1/2		1/2	4,853.99	1/2	4,519.40	1/2	4,163.29	1/2	3,796.66	1/2	3,429.84	1/2	3,062.63	1/2	2,695.25
3/4		3/4		3/4		3/4	4,847.25	3/4	4,512.20	3/4	4,155.66	3/4	3,789.02	3/4	3,422.18	3/4	3,054.98	3/4	2,687.60
4		4		4		4	4,840.50	4	4,505.00	4	4,148.03	4	3,781.38	4	3,414.53	4	3,047.33	4	2,679.95
1/4		1/4		1/4		1/4	4,833.75	1/4	4,497.80	1/4	4,140.40	1/4	3,773.75	1/4	3,406.88	1/4	3,039.67	1/4	2,672.29
1/2		1/2		1/2		1/2	4,826.97	1/2	4,490.56	1/2	4,132.76	1/2	3,766.11	1/2	3,399.23	1/2	3,032.02	1/2	2,664.64
3/4		3/4		3/4		3/4	4,820.19	3/4	4,483.33	3/4	4,125.12	3/4	3,758.47	3/4	3,391.58	3/4	3,024.37	3/4	2,656.98
5		5		5		5	4,813.41	5	4,476.09	5	4,117.48	5	3,750.83	5	3,383.93	5	3,016.72	5	2,649.33
1/4		1/4		1/4		1/4	4,806.63	1/4	4,468.86	1/4	4,109.84	1/4	3,743.19	1/4	3,376.28	1/4	3,009.07	1/4	2,641.68
1/2		1/2		1/2		1/2	4,799.81	1/2	4,461.59	1/2	4,102.21	1/2	3,735.55	1/2	3,368.63	1/2	3,001.42	1/2	2,634.02
3/4		3/4		3/4		3/4	4,793.00	3/4	4,454.32	3/4	4,094.57	3/4	3,727.91	3/4	3,360.98	3/4	2,993.77	3/4	2,626.37
6		6		6		6	4,786.18	6	4,447.05	6	4,086.93	6	3,720.28	6	3,353.33	6	2,986.11	6	2,618.71
1/4		1/4		1/4		1/4	4,779.37	1/4	4,439.77	1/4	4,079.29	1/4	3,712.64	1/4	3,345.68	1/4	2,978.46	1/4	2,611.06
1/2		1/2		1/2		1/2	4,772.52	1/2	4,432.45	1/2	4,071.65	1/2	3,705.00	1/2	3,338.03	1/2	2,970.81	1/2	2,603.40
3/4		3/4		3/4	5,101.13	3/4	4,765.67	3/4	4,425.13	3/4	4,064.01	3/4	3,697.36	3/4	3,330.38	3/4	2,963.15	3/4	2,595.75
7		7		7	5,095.08	7	4,758.82	7	4,417.81	7	4,056.37	7	3,689.72	7	3,322.73	7	2,955.50	7	2,588.10
1/4		1/4		1/4	5,089.02	1/4	4,751.98	1/4	4,410.49	1/4	4,048.74	1/4	3,682.08	1/4	3,315.08	1/4	2,947.84	1/4	2,580.44
1/2		1/2		1/2	5,081.82	1/2	4,745.07	1/2	4,403.13	1/2	4,041.10	1/2	3,674.44	1/2	3,307.43	1/2	2,940.19	1/2	2,572.79
3/4		3/4		3/4	5,074.62	3/4	4,738.17	3/4	4,395.76	3/4	4,033.46	3/4	3,666.81	3/4	3,299.78	3/4	2,932.53	3/4	2,565.13
8		8		8	5,067.42	8	4,731.27	8	4,388.40	8	4,025.82	8	3,659.17	8	3,292.13	8	2,924.88	8	2,557.48
1/4		1/4		1/4	5,060.23	1/4	4,724.37	1/4	4,381.03	1/4	4,018.18	1/4	3,651.53	1/4	3,284.48	1/4	2,917.23	1/4	2,549.82
1/2		1/2		1/2	5,052.64	1/2	4,717.41	1/2	4,373.63	1/2	4,010.54	1/2	3,643.89	1/2	3,276.83	1/2	2,909.57	1/2	2,542.17
3/4		3/4		3/4	5,045.06	3/4	4,710.46	3/4	4,366.24	3/4	4,002.90	3/4	3,636.25	3/4	3,269.18	3/4	2,901.92	3/4	2,534.52
9		9		9	5,037.48	9	4,703.50	9	4,358.84	9	3,995.27	9	3,628.61	9	3,261.53	9	2,894.26	9	2,526.86
1/4		1/4		1/4	5,029.90	1/4	4,696.55	1/4	4,351.44	1/4	3,987.63	1/4	3,620.97	1/4	3,253.88	1/4	2,886.61	1/4	2,519.21
1/2		1/2		1/2	5,022.32	1/2	4,689.55	1/2	4,344.01	1/2	3,979.99	1/2	3,613.34	1/2	3,246.23	1/2	2,878.96	1/2	2,511.55
3/4		3/4		3/4	5,014.74	3/4	4,682.56	3/4	4,336.57	3/4	3,972.35	3/4	3,605.70	3/4	3,238.58	3/4	2,871.30	3/4	2,503.90
10		10		10	5,007.16	10	4,675.57	10	4,329.14	10	3,964.71	10	3,598.06	10	3,230.93	10	2,863.65	10	2,496.25
1/4		1/4		1/4	4,999.58	1/4	4,668.57	1/4	4,321.71	1/4	3,957.07	1/4	3,590.42	1/4	3,223.28	1/4	2,855.99	1/4	2,488.59
1/2		1/2		1/2	4,992.00	1/2	4,661.54	1/2	4,314.24	1/2	3,949.43	1/2	3,582.78	1/2	3,215.63	1/2	2,848.34	1/2	2,480.94
3/4		3/4		3/4	4,984.41	3/4	4,654.51	3/4	4,306.78	3/4	3,941.79	3/4	3,575.14	3/4	3,207.98	3/4	2,840.68	3/4	2,473.28
11		11		11	4,976.83	11	4,647.48	11	4,299.31	11	3,934.16	11	3,567.50	11	3,200.33	11	2,833.03	11	2,465.63
1/4		1/4		1/4	4,969.25	1/4	4,640.45	1/4	4,291.85	1/4	3,926.52	1/4	3,559.86	1/4	3,192.68	1/4	2,825.38	1/4	2,457.97
1/2		1/2		1/2	4,962.15	1/2	4,633.38	1/2	4,284.34	1/2	3,918.88	1/2	3,552.22	1/2	3,185.03	1/2	2,817.72	1/2	2,450.32
3/4		3/4		3/4	4,955.05	3/4	4,626.32	3/4	4,276.84	3/4	3,911.24	3/4	3,544.58	3/4	3,177.38	3/4	2,810.07	3/4	2,442.67

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 GAUGING DEVICE"
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29087"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 315"

GAUGE HEIGHT 16'-09 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	2,435.01	0	2,067.61	0	1,700.21	0	1,332.81	0	966.45	0	600.22	0	250.22	0		0		0	
1/4	2,427.36	1/4	2,059.96	1/4	1,692.55	1/4	1,325.15	1/4	958.85	1/4	592.57	1/4	243.43	1/4		1/4		1/4	
1/2	2,419.70	1/2	2,052.30	1/2	1,684.90	1/2	1,317.50	1/2	951.24	1/2	584.91	1/2	236.73	1/2		1/2		1/2	
3/4	2,412.05	3/4	2,044.65	3/4	1,677.25	3/4	1,309.84	3/4	943.64	3/4	577.26	3/4	230.03	3/4		3/4		3/4	
1	2,404.40	1	2,036.99	1	1,669.59	1	1,302.19	1	936.04	1	569.61	1	223.33	1		1		1	
1/4	2,396.74	1/4	2,029.34	1/4	1,661.94	1/4	1,294.54	1/4	928.43	1/4	561.95	1/4	216.63	1/4		1/4		1/4	
1/2	2,389.09	1/2	2,021.69	1/2	1,654.28	1/2	1,286.88	1/2	920.83	1/2	554.31	1/2	210.02	1/2		1/2		1/2	
3/4	2,381.43	3/4	2,014.03	3/4	1,646.63	3/4	1,279.23	3/4	913.23	3/4	546.67	3/4	203.41	3/4		3/4		3/4	
2	2,373.78	2	2,006.38	2	1,638.98	2	1,271.57	2	905.62	2	539.03	2	196.80	2		2		2	
1/4	2,366.12	1/4	1,998.72	1/4	1,631.32	1/4	1,263.92	1/4	898.02	1/4	531.38	1/4	190.19	1/4		1/4		1/4	
1/2	2,358.47	1/2	1,991.07	1/2	1,623.67	1/2	1,256.27	1/2	890.42	1/2	523.79	1/2	183.68	1/2		1/2		1/2	
3/4	2,350.82	3/4	1,983.41	3/4	1,616.01	3/4	1,248.61	3/4	882.81	3/4	516.19	3/4	177.16	3/4		3/4		3/4	
3	2,343.16	3	1,975.76	3	1,608.36	3	1,240.96	3	875.21	3	508.59	3	170.64	3		3		3	
1/4	2,335.51	1/4	1,968.11	1/4	1,600.70	1/4	1,233.30	1/4	867.61	1/4	500.99	1/4	164.12	1/4		1/4		1/4	
1/2	2,327.85	1/2	1,960.45	1/2	1,593.05	1/2	1,225.65	1/2	860.00	1/2	493.48	1/2	157.70	1/2		1/2		1/2	
3/4	2,320.20	3/4	1,952.80	3/4	1,585.40	3/4	1,217.99	3/4	852.40	3/4	485.96	3/4	151.27	3/4		3/4		3/4	
4	2,312.54	4	1,945.14	4	1,577.74	4	1,210.34	4	844.80	4	478.44	4	144.85	4		4		4	
1/4	2,304.89	1/4	1,937.49	1/4	1,570.09	1/4	1,202.69	1/4	837.19	1/4	470.92	1/4	138.42	1/4		1/4		1/4	
1/2	2,297.24	1/2	1,929.83	1/2	1,562.43	1/2	1,195.03	1/2	829.59	1/2	463.50	1/2	132.09	1/2		1/2		1/2	
3/4	2,289.58	3/4	1,922.18	3/4	1,554.78	3/4	1,187.38	3/4	821.99	3/4	456.07	3/4	125.77	3/4		3/4		3/4	
5	2,281.93	5	1,914.53	5	1,547.12	5	1,179.72	5	814.38	5	448.64	5	119.44	5		5		5	
1/4	2,274.27	1/4	1,906.87	1/4	1,539.47	1/4	1,172.07	1/4	806.78	1/4	441.21	1/4	113.11	1/4		1/4		1/4	
1/2	2,266.62	1/2	1,899.22	1/2	1,531.82	1/2	1,164.43	1/2	799.15	1/2	433.88	1/2	106.88	1/2		1/2		1/2	
3/4	2,258.97	3/4	1,891.56	3/4	1,524.16	3/4	1,156.79	3/4	791.52	3/4	426.54	3/4	100.65	3/4		3/4		3/4	
6	2,251.31	6	1,883.91	6	1,516.51	6	1,149.15	6	783.89	6	419.21	6	94.43	6		6		6	
1/4	2,243.66	1/4	1,876.26	1/4	1,508.85	1/4	1,141.51	1/4	776.26	1/4	411.87	1/4	88.20	1/4		1/4		1/4	
1/2	2,236.00	1/2	1,868.60	1/2	1,501.20	1/2	1,133.89	1/2	768.61	1/2	404.63	1/2	82.08	1/2		1/2		1/2	
3/4	2,228.35	3/4	1,860.95	3/4	1,493.55	3/4	1,126.26	3/4	760.96	3/4	397.38	3/4	75.96	3/4		3/4		3/4	
7	2,220.69	7	1,853.29	7	1,485.89	7	1,118.64	7	753.30	7	390.13	7	69.84	7		7		7	
1/4	2,213.04	1/4	1,845.64	1/4	1,478.24	1/4	1,111.01	1/4	745.65	1/4	382.89	1/4	63.72	1/4		1/4		1/4	
1/2	2,205.39	1/2	1,837.98	1/2	1,470.58	1/2	1,103.39	1/2	737.99	1/2	375.73	1/2	58.16	1/2		1/2		1/2	
3/4	2,197.73	3/4	1,830.33	3/4	1,462.93	3/4	1,095.78	3/4	730.34	3/4	368.58	3/4	52.61	3/4		3/4		3/4	
8	2,190.08	8	1,822.68	8	1,455.27	8	1,088.16	8	722.69	8	361.43	8	47.05	8		8		8	
1/4	2,182.42	1/4	1,815.02	1/4	1,447.62	1/4	1,080.54	1/4	715.03	1/4	354.27	1/4	41.49	1/4		1/4		1/4	
1/2	2,174.77	1/2	1,807.37	1/2	1,439.97	1/2	1,072.93	1/2	707.38	1/2	347.21	1/2	37.00	1/2		1/2		1/2	
3/4	2,167.11	3/4	1,799.71	3/4	1,432.31	3/4	1,065.32	3/4	699.72	3/4	340.14	3/4	32.51	3/4		3/4		3/4	
9	2,159.46	9	1,792.06	9	1,424.66	9	1,057.71	9	692.07	9	333.08	9	28.01	9		9		9	
1/4	2,151.81	1/4	1,784.40	1/4	1,417.00	1/4	1,050.10	1/4	684.42	1/4	326.02	1/4	23.52	1/4		1/4		1/4	
1/2	2,144.15	1/2	1,776.75	1/2	1,409.35	1/2	1,042.49	1/2	676.76	1/2	319.04	1/2		1/2		1/2		1/2	
3/4	2,136.50	3/4	1,769.10	3/4	1,401.69	3/4	1,034.89	3/4	669.11	3/4	312.07	3/4		3/4		3/4		3/4	
10	2,128.84	10	1,761.44	10	1,394.04	10	1,027.28	10	661.45	10	305.10	10		10		10		10	
1/4	2,121.19	1/4	1,753.79	1/4	1,386.39	1/4	1,019.67	1/4	653.80	1/4	298.13	1/4		1/4		1/4		1/4	
1/2	2,113.54	1/2	1,746.13	1/2	1,378.73	1/2	1,012.07	1/2	646.15	1/2	291.24	1/2		1/2		1/2		1/2	
3/4	2,105.88	3/4	1,738.48	3/4	1,371.08	3/4	1,004.47	3/4	638.49	3/4	284.36	3/4		3/4		3/4		3/4	
11	2,098.23	11	1,730.83	11	1,363.42	11	996.86	11	630.84	11	277.48	11		11		11		11	
1/4	2,090.57	1/4	1,723.17	1/4	1,355.77	1/4	989.26	1/4	623.18	1/4	270.60	1/4		1/4		1/4		1/4	
1/2	2,082.92	1/2	1,715.52	1/2	1,348.12	1/2	981.66	1/2	615.53	1/2	263.81	1/2		1/2		1/2		1/2	
3/4	2,075.26	3/4	1,707.86	3/4	1,340.46	3/4	974.05	3/4	607.88	3/4	257.02	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2013 CL - SW
NAME CHANGE: 10/05/2023 JS
VERIFIED: 10/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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

BARGE "KIRBY 29087"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 315"

GAUGE HEIGHT 16'-09 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	4,952.60	0	4,623.79	0	4,274.24	0	3,908.56	0	3,541.82	0	3,175.09	0	2,808.26
1/4		1/4		1/4		1/4	4,945.50	1/4	4,616.73	1/4	4,266.73	1/4	3,900.92	1/4	3,534.18	1/4	3,167.45	1/4	2,800.61
1/2		1/2		1/2		1/2	4,938.39	1/2	4,609.66	1/2	4,259.22	1/2	3,893.28	1/2	3,526.54	1/2	3,159.81	1/2	2,792.97
3/4		3/4		3/4		3/4	4,931.75	3/4	4,602.56	3/4	4,251.68	3/4	3,885.64	3/4	3,518.90	3/4	3,152.17	3/4	2,785.32
1		1		1		1	4,925.11	1	4,595.46	1	4,244.14	1	3,877.99	1	3,511.26	1	3,144.53	1	2,777.68
1/4		1/4		1/4		1/4	4,918.46	1/4	4,588.36	1/4	4,236.59	1/4	3,870.35	1/4	3,503.62	1/4	3,136.89	1/4	2,770.04
1/2		1/2		1/2		1/2	4,911.82	1/2	4,581.26	1/2	4,229.05	1/2	3,862.71	1/2	3,495.98	1/2	3,129.25	1/2	2,762.39
3/4		3/4		3/4		3/4	4,905.14	3/4	4,574.12	3/4	4,221.47	3/4	3,855.07	3/4	3,488.34	3/4	3,121.61	3/4	2,754.75
2		2		2		2	4,898.47	2	4,566.99	2	4,213.90	2	3,847.43	2	3,480.70	2	3,113.96	2	2,747.10
1/4		1/4		1/4		1/4	4,891.79	1/4	4,559.86	1/4	4,206.32	1/4	3,839.79	1/4	3,473.06	1/4	3,106.32	1/4	2,739.46
1/2		1/2		1/2		1/2	4,885.12	1/2	4,552.72	1/2	4,198.74	1/2	3,832.15	1/2	3,465.42	1/2	3,098.68	1/2	2,731.81
3/4		3/4		3/4		3/4	4,878.41	3/4	4,545.55	3/4	4,191.13	3/4	3,824.51	3/4	3,457.78	3/4	3,091.04	3/4	2,724.17
3		3		3		3	4,871.70	3	4,538.39	3	4,183.52	3	3,816.87	3	3,450.14	3	3,083.40	3	2,716.53
1/4		1/4		1/4		1/4	4,864.99	1/4	4,531.22	1/4	4,175.91	1/4	3,809.23	1/4	3,442.50	1/4	3,075.76	1/4	2,708.88
1/2		1/2		1/2		1/2	4,858.28	1/2	4,524.05	1/2	4,168.30	1/2	3,801.59	1/2	3,434.86	1/2	3,068.12	1/2	2,701.24
3/4		3/4		3/4		3/4	4,851.53	3/4	4,516.85	3/4	4,160.66	3/4	3,793.95	3/4	3,427.22	3/4	3,060.48	3/4	2,693.59
4		4		4		4	4,844.78	4	4,509.65	4	4,153.03	4	3,786.31	4	3,419.58	4	3,052.84	4	2,685.95
1/4		1/4		1/4		1/4	4,838.03	1/4	4,502.45	1/4	4,145.40	1/4	3,778.67	1/4	3,411.94	1/4	3,045.20	1/4	2,678.30
1/2		1/2		1/2		1/2	4,831.28	1/2	4,495.24	1/2	4,137.77	1/2	3,771.03	1/2	3,404.30	1/2	3,037.56	1/2	2,670.66
3/4		3/4		3/4		3/4	4,824.50	3/4	4,488.01	3/4	4,130.12	3/4	3,763.39	3/4	3,396.66	3/4	3,029.92	3/4	2,663.02
5		5		5		5	4,817.71	5	4,480.77	5	4,122.48	5	3,755.75	5	3,389.02	5	3,022.28	5	2,655.37
1/4		1/4		1/4		1/4	4,810.93	1/4	4,473.54	1/4	4,114.84	1/4	3,748.11	1/4	3,381.38	1/4	3,014.64	1/4	2,647.73
1/2		1/2		1/2		1/2	4,804.15	1/2	4,466.30	1/2	4,107.20	1/2	3,740.47	1/2	3,373.74	1/2	3,007.00	1/2	2,640.08
3/4		3/4		3/4		3/4	4,797.33	3/4	4,459.03	3/4	4,099.56	3/4	3,732.83	3/4	3,366.09	3/4	2,999.36	3/4	2,632.44
6		6		6		6	4,790.52	6	4,451.76	6	4,091.92	6	3,725.19	6	3,358.45	6	2,991.72	6	2,624.79
1/4		1/4		1/4		1/4	4,783.70	1/4	4,444.48	1/4	4,084.28	1/4	3,717.55	1/4	3,350.81	1/4	2,984.07	1/4	2,617.15
1/2		1/2		1/2		1/2	4,776.88	1/2	4,437.21	1/2	4,076.64	1/2	3,709.91	1/2	3,343.17	1/2	2,976.43	1/2	2,609.51
3/4		3/4		3/4		3/4	4,770.03	3/4	4,429.89	3/4	4,069.00	3/4	3,702.27	3/4	3,335.53	3/4	2,968.79	3/4	2,601.86
7		7		7	5,098.71	7	4,763.18	7	4,422.56	7	4,061.36	7	3,694.63	7	3,327.89	7	2,961.14	7	2,594.22
1/4		1/4		1/4	5,092.66	1/4	4,756.33	1/4	4,415.24	1/4	4,053.72	1/4	3,686.99	1/4	3,320.25	1/4	2,953.50	1/4	2,586.57
1/2		1/2		1/2	5,086.60	1/2	4,749.48	1/2	4,407.92	1/2	4,046.08	1/2	3,679.35	1/2	3,312.61	1/2	2,945.85	1/2	2,578.93
3/4		3/4		3/4	5,079.40	3/4	4,742.58	3/4	4,400.55	3/4	4,038.44	3/4	3,671.71	3/4	3,304.97	3/4	2,938.21	3/4	2,571.28
8		8		8	5,072.20	8	4,735.68	8	4,393.19	8	4,030.80	8	3,664.07	8	3,297.33	8	2,930.57	8	2,563.64
1/4		1/4		1/4	5,065.01	1/4	4,728.77	1/4	4,385.82	1/4	4,023.16	1/4	3,656.43	1/4	3,289.69	1/4	2,922.92	1/4	2,556.00
1/2		1/2		1/2	5,057.81	1/2	4,721.87	1/2	4,378.45	1/2	4,015.52	1/2	3,648.79	1/2	3,282.05	1/2	2,915.28	1/2	2,548.35
3/4		3/4		3/4	5,050.22	3/4	4,714.91	3/4	4,371.05	3/4	4,007.88	3/4	3,641.15	3/4	3,274.41	3/4	2,907.63	3/4	2,540.71
9		9		9	5,042.64	9	4,707.95	9	4,363.65	9	4,000.24	9	3,633.51	9	3,266.77	9	2,899.99	9	2,533.06
1/4		1/4		1/4	5,035.06	1/4	4,701.00	1/4	4,356.25	1/4	3,992.60	1/4	3,625.87	1/4	3,259.13	1/4	2,892.34	1/4	2,525.42
1/2		1/2		1/2	5,027.47	1/2	4,694.04	1/2	4,348.85	1/2	3,984.96	1/2	3,618.22	1/2	3,251.49	1/2	2,884.70	1/2	2,517.77
3/4		3/4		3/4	5,019.89	3/4	4,687.05	3/4	4,341.42	3/4	3,977.32	3/4	3,610.58	3/4	3,243.85	3/4	2,877.06	3/4	2,510.13
10		10		10	5,012.31	10	4,680.05	10	4,333.99	10	3,969.68	10	3,602.94	10	3,236.21	10	2,869.41	10	2,502.48
1/4		1/4		1/4	5,004.73	1/4	4,673.05	1/4	4,326.55	1/4	3,962.04	1/4	3,595.30	1/4	3,228.57	1/4	2,861.77	1/4	2,494.84
1/2		1/2		1/2	4,997.14	1/2	4,666.06	1/2	4,319.12	1/2	3,954.40	1/2	3,587.66	1/2	3,220.93	1/2	2,854.12	1/2	2,487.20
3/4		3/4		3/4	4,989.56	3/4	4,659.03	3/4	4,311.65	3/4	3,946.76	3/4	3,580.02	3/4	3,213.29	3/4	2,846.48	3/4	2,479.55
11		11		11	4,981.98	11	4,651.99	11	4,304.18	11	3,939.12	11	3,572.38	11	3,205.65	11	2,838.83	11	2,471.91
1/4		1/4		1/4	4,974.39	1/4	4,644.96	1/4	4,296.71	1/4	3,931.48	1/4	3,564.74	1/4	3,198.01	1/4	2,831.19	1/4	2,464.26
1/2		1/2		1/2	4,966.81	1/2	4,637.93	1/2	4,289.25	1/2	3,923.84	1/2	3,557.10	1/2	3,190.37	1/2	2,823.55	1/2	2,456.62
3/4		3/4		3/4	4,959.71	3/4	4,630.86	3/4	4,281.74	3/4	3,916.20	3/4	3,549.46	3/4	3,182.73	3/4	2,815.90	3/4	2,448.97

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 GAUGING DEVICE"
GAUGE POINT: (HERMETIC) LOCATED 12'-09" 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 29087"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 315"

GAUGE HEIGHT 16'-09 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	2,441.33	0	2,074.40	0	1,707.48	0	1,340.55	0	973.79	0	607.20	0	256.87	0		0		0	
1/4	2,433.69	1/4	2,066.76	1/4	1,699.83	1/4	1,332.91	1/4	966.16	1/4	599.56	1/4	250.09	1/4		1/4		1/4	
1/2	2,426.04	1/2	2,059.12	1/2	1,692.19	1/2	1,325.26	1/2	958.53	1/2	591.91	1/2	243.31	1/2		1/2		1/2	
3/4	2,418.40	3/4	2,051.47	3/4	1,684.54	3/4	1,317.62	3/4	950.90	3/4	584.27	3/4	236.62	3/4		3/4		3/4	
1	2,410.75	1	2,043.83	1	1,676.90	1	1,309.97	1	943.27	1	576.63	1	229.93	1		1		1	
1/4	2,403.11	1/4	2,036.18	1/4	1,669.26	1/4	1,302.33	1/4	935.64	1/4	568.99	1/4	223.24	1/4		1/4		1/4	
1/2	2,395.46	1/2	2,028.54	1/2	1,661.61	1/2	1,294.69	1/2	928.00	1/2	561.35	1/2	216.55	1/2		1/2		1/2	
3/4	2,387.82	3/4	2,020.89	3/4	1,653.97	3/4	1,287.04	3/4	920.37	3/4	553.73	3/4	209.95	3/4		3/4		3/4	
2	2,380.18	2	2,013.25	2	1,646.32	2	1,279.40	2	912.74	2	546.10	2	203.35	2		2		2	
1/4	2,372.53	1/4	2,005.61	1/4	1,638.68	1/4	1,271.75	1/4	905.11	1/4	538.47	1/4	196.75	1/4		1/4		1/4	
1/2	2,364.89	1/2	1,997.96	1/2	1,631.03	1/2	1,264.11	1/2	897.48	1/2	530.85	1/2	190.15	1/2		1/2		1/2	
3/4	2,357.24	3/4	1,990.32	3/4	1,623.39	3/4	1,256.46	3/4	889.85	3/4	523.27	3/4	183.64	3/4		3/4		3/4	
3	2,349.60	3	1,982.67	3	1,615.75	3	1,248.82	3	882.22	3	515.68	3	177.13	3		3		3	
1/4	2,341.95	1/4	1,975.03	1/4	1,608.10	1/4	1,241.18	1/4	874.59	1/4	508.10	1/4	170.62	1/4		1/4		1/4	
1/2	2,334.31	1/2	1,967.38	1/2	1,600.46	1/2	1,233.53	1/2	866.96	1/2	500.52	1/2	164.12	1/2		1/2		1/2	
3/4	2,326.67	3/4	1,959.74	3/4	1,592.81	3/4	1,225.89	3/4	859.33	3/4	493.01	3/4	157.70	3/4		3/4		3/4	
4	2,319.02	4	1,952.10	4	1,585.17	4	1,218.24	4	851.70	4	485.50	4	151.28	4		4		4	
1/4	2,311.38	1/4	1,944.45	1/4	1,577.52	1/4	1,210.60	1/4	844.07	1/4	477.99	1/4	144.86	1/4		1/4		1/4	
1/2	2,303.73	1/2	1,936.81	1/2	1,569.88	1/2	1,202.95	1/2	836.44	1/2	470.48	1/2	138.44	1/2		1/2		1/2	
3/4	2,296.09	3/4	1,929.16	3/4	1,562.24	3/4	1,195.31	3/4	828.81	3/4	463.07	3/4	132.12	3/4		3/4		3/4	
5	2,288.44	5	1,921.52	5	1,554.59	5	1,187.67	5	821.18	5	455.65	5	125.79	5		5		5	
1/4	2,280.80	1/4	1,913.87	1/4	1,546.95	1/4	1,180.02	1/4	813.55	1/4	448.23	1/4	119.47	1/4		1/4		1/4	
1/2	2,273.16	1/2	1,906.23	1/2	1,539.30	1/2	1,172.38	1/2	805.92	1/2	440.82	1/2	113.14	1/2		1/2		1/2	
3/4	2,265.51	3/4	1,898.59	3/4	1,531.66	3/4	1,164.73	3/4	798.28	3/4	433.49	3/4	106.91	3/4		3/4		3/4	
6	2,257.87	6	1,890.94	6	1,524.01	6	1,157.09	6	790.64	6	426.16	6	100.68	6		6		6	
1/4	2,250.22	1/4	1,883.30	1/4	1,516.37	1/4	1,149.44	1/4	783.01	1/4	418.84	1/4	94.45	1/4		1/4		1/4	
1/2	2,242.58	1/2	1,875.65	1/2	1,508.73	1/2	1,141.80	1/2	775.37	1/2	411.51	1/2	88.22	1/2		1/2		1/2	
3/4	2,234.93	3/4	1,868.01	3/4	1,501.08	3/4	1,134.16	3/4	767.73	3/4	404.28	3/4	82.10	3/4		3/4		3/4	
7	2,227.29	7	1,860.36	7	1,493.44	7	1,126.51	7	760.08	7	397.04	7	75.98	7		7		7	
1/4	2,219.65	1/4	1,852.72	1/4	1,485.79	1/4	1,118.87	1/4	752.44	1/4	389.80	1/4	69.86	1/4		1/4		1/4	
1/2	2,212.00	1/2	1,845.08	1/2	1,478.15	1/2	1,111.22	1/2	744.79	1/2	382.57	1/2	63.73	1/2		1/2		1/2	
3/4	2,204.36	3/4	1,837.43	3/4	1,470.50	3/4	1,103.58	3/4	737.15	3/4	375.42	3/4	58.18	3/4		3/4		3/4	
8	2,196.71	8	1,829.79	8	1,462.86	8	1,095.94	8	729.51	8	368.28	8	52.62	8		8		8	
1/4	2,189.07	1/4	1,822.14	1/4	1,455.22	1/4	1,088.30	1/4	721.86	1/4	361.13	1/4	47.06	1/4		1/4		1/4	
1/2	2,181.42	1/2	1,814.50	1/2	1,447.57	1/2	1,080.66	1/2	714.22	1/2	353.99	1/2	41.50	1/2		1/2		1/2	
3/4	2,173.78	3/4	1,806.85	3/4	1,439.93	3/4	1,073.02	3/4	706.57	3/4	346.94	3/4	37.01	3/4		3/4		3/4	
9	2,166.14	9	1,799.21	9	1,432.28	9	1,065.38	9	698.93	9	339.88	9	32.51	9		9		9	
1/4	2,158.49	1/4	1,791.57	1/4	1,424.64	1/4	1,057.74	1/4	691.28	1/4	332.83	1/4	28.02	1/4		1/4		1/4	
1/2	2,150.85	1/2	1,783.92	1/2	1,416.99	1/2	1,050.11	1/2	683.64	1/2	325.78	1/2	23.53	1/2		1/2		1/2	
3/4	2,143.20	3/4	1,776.28	3/4	1,409.35	3/4	1,042.47	3/4	676.00	3/4	318.81	3/4		3/4		3/4		3/4	
10	2,135.56	10	1,768.63	10	1,401.71	10	1,034.84	10	668.35	10	311.85	10		10		10		10	
1/4	2,127.91	1/4	1,760.99	1/4	1,394.06	1/4	1,027.20	1/4	660.71	1/4	304.89	1/4		1/4		1/4		1/4	
1/2	2,120.27	1/2	1,753.34	1/2	1,386.42	1/2	1,019.57	1/2	653.06	1/2	297.92	1/2		1/2		1/2		1/2	
3/4	2,112.63	3/4	1,745.70	3/4	1,378.77	3/4	1,011.94	3/4	645.42	3/4	291.05	3/4		3/4		3/4		3/4	
11	2,104.98	11	1,738.06	11	1,371.13	11	1,004.31	11	637.78	11	284.18	11		11		11		11	
1/4	2,097.34	1/4	1,730.41	1/4	1,363.48	1/4	996.68	1/4	630.13	1/4	277.31	1/4		1/4		1/4		1/4	
1/2	2,089.69	1/2	1,722.77	1/2	1,355.84	1/2	989.05	1/2	622.49	1/2	270.44	1/2		1/2		1/2		1/2	
3/4	2,082.05	3/4	1,715.12	3/4	1,348.20	3/4	981.42	3/4	614.84	3/4	263.65	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2013 CL - SW
NAME CHANGE: 10/05/2023 JS
VERIFIED: 10/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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

BARGE "KIRBY 29087"

2 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 315"

GAUGE HEIGHT 16'-09 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	4,704.74	0	4,395.70	0	4,067.05	0	3,723.19	0	3,378.35	0	3,033.50	0	2,688.57
1/4		1/4		1/4		1/4	4,698.07	1/4	4,389.06	1/4	4,059.99	1/4	3,716.01	1/4	3,371.16	1/4	3,026.31	1/4	2,681.39
1/2		1/2		1/2		1/2	4,691.39	1/2	4,382.42	1/2	4,052.93	1/2	3,708.82	1/2	3,363.98	1/2	3,019.13	1/2	2,674.20
3/4		3/4		3/4		3/4	4,685.15	3/4	4,375.74	3/4	4,045.84	3/4	3,701.64	3/4	3,356.79	3/4	3,011.95	3/4	2,667.01
1		1		1		1	4,678.90	1	4,369.07	1	4,038.75	1	3,694.45	1	3,349.61	1	3,004.76	1	2,659.82
1/4		1/4		1/4		1/4	4,672.66	1/4	4,362.39	1/4	4,031.65	1/4	3,687.27	1/4	3,342.42	1/4	2,997.58	1/4	2,652.63
1/2		1/2		1/2		1/2	4,666.42	1/2	4,355.71	1/2	4,024.56	1/2	3,680.09	1/2	3,335.24	1/2	2,990.39	1/2	2,645.44
3/4		3/4		3/4		3/4	4,660.14	3/4	4,349.01	3/4	4,017.43	3/4	3,672.90	3/4	3,328.05	3/4	2,983.21	3/4	2,638.26
2		2		2		2	4,653.87	2	4,342.30	2	4,010.31	2	3,665.72	2	3,320.87	2	2,976.02	2	2,631.07
1/4		1/4		1/4		1/4	4,647.60	1/4	4,335.59	1/4	4,003.18	1/4	3,658.53	1/4	3,313.69	1/4	2,968.84	1/4	2,623.88
1/2		1/2		1/2		1/2	4,641.32	1/2	4,328.89	1/2	3,996.06	1/2	3,651.35	1/2	3,306.50	1/2	2,961.66	1/2	2,616.69
3/4		3/4		3/4		3/4	4,635.02	3/4	4,322.15	3/4	3,988.90	3/4	3,644.16	3/4	3,299.32	3/4	2,954.47	3/4	2,609.50
3		3		3		3	4,628.71	3	4,315.41	3	3,981.75	3	3,636.98	3	3,292.13	3	2,947.29	3	2,602.31
1/4		1/4		1/4		1/4	4,622.40	1/4	4,308.67	1/4	3,974.59	1/4	3,629.80	1/4	3,284.95	1/4	2,940.10	1/4	2,595.13
1/2		1/2		1/2		1/2	4,616.10	1/2	4,301.93	1/2	3,967.43	1/2	3,622.61	1/2	3,277.76	1/2	2,932.92	1/2	2,587.94
3/4		3/4		3/4		3/4	4,609.76	3/4	4,295.16	3/4	3,960.25	3/4	3,615.43	3/4	3,270.58	3/4	2,925.73	3/4	2,580.75
4		4		4		4	4,603.41	4	4,288.39	4	3,953.08	4	3,608.24	4	3,263.40	4	2,918.55	4	2,573.56
1/4		1/4		1/4		1/4	4,597.07	1/4	4,281.62	1/4	3,945.90	1/4	3,601.06	1/4	3,256.21	1/4	2,911.37	1/4	2,566.37
1/2		1/2		1/2		1/2	4,590.73	1/2	4,274.85	1/2	3,938.72	1/2	3,593.87	1/2	3,249.03	1/2	2,904.18	1/2	2,559.18
3/4		3/4		3/4		3/4	4,584.35	3/4	4,268.05	3/4	3,931.54	3/4	3,586.69	3/4	3,241.84	3/4	2,897.00	3/4	2,552.00
5		5		5		5	4,577.98	5	4,261.25	5	3,924.35	5	3,579.51	5	3,234.66	5	2,889.81	5	2,544.81
1/4		1/4		1/4		1/4	4,571.61	1/4	4,254.44	1/4	3,917.17	1/4	3,572.32	1/4	3,227.47	1/4	2,882.63	1/4	2,537.62
1/2		1/2		1/2		1/2	4,565.23	1/2	4,247.64	1/2	3,909.98	1/2	3,565.14	1/2	3,220.29	1/2	2,875.44	1/2	2,530.43
3/4		3/4		3/4		3/4	4,558.83	3/4	4,240.80	3/4	3,902.80	3/4	3,557.95	3/4	3,213.11	3/4	2,868.26	3/4	2,523.24
6		6		6		6	4,552.42	6	4,233.97	6	3,895.61	6	3,550.77	6	3,205.92	6	2,861.08	6	2,516.05
1/4		1/4		1/4		1/4	4,546.02	1/4	4,227.13	1/4	3,888.43	1/4	3,543.58	1/4	3,198.74	1/4	2,853.90	1/4	2,508.86
1/2		1/2		1/2		1/2	4,539.61	1/2	4,220.29	1/2	3,881.25	1/2	3,536.40	1/2	3,191.55	1/2	2,846.72	1/2	2,501.68
3/4		3/4		3/4		3/4	4,533.17	3/4	4,213.41	3/4	3,874.06	3/4	3,529.22	3/4	3,184.37	3/4	2,839.53	3/4	2,494.49
7		7		7	4,842.07	7	4,526.74	7	4,206.52	7	3,866.88	7	3,522.03	7	3,177.18	7	2,832.34	7	2,487.30
1/4		1/4		1/4	4,836.38	1/4	4,520.30	1/4	4,199.64	1/4	3,859.69	1/4	3,514.85	1/4	3,170.00	1/4	2,825.15	1/4	2,480.11
1/2		1/2		1/2	4,830.69	1/2	4,513.86	1/2	4,192.75	1/2	3,852.51	1/2	3,507.66	1/2	3,162.82	1/2	2,817.97	1/2	2,472.92
3/4		3/4		3/4	4,823.92	3/4	4,507.37	3/4	4,185.83	3/4	3,845.32	3/4	3,500.48	3/4	3,155.63	3/4	2,810.78	3/4	2,465.73
8		8		8	4,817.15	8	4,500.88	8	4,178.90	8	3,838.14	8	3,493.29	8	3,148.45	8	2,803.59	8	2,458.55
1/4		1/4		1/4	4,810.39	1/4	4,494.39	1/4	4,171.97	1/4	3,830.96	1/4	3,486.11	1/4	3,141.26	1/4	2,796.40	1/4	2,451.36
1/2		1/2		1/2	4,803.62	1/2	4,487.90	1/2	4,165.05	1/2	3,823.77	1/2	3,478.93	1/2	3,134.08	1/2	2,789.21	1/2	2,444.17
3/4		3/4		3/4	4,796.49	3/4	4,481.36	3/4	4,158.09	3/4	3,816.59	3/4	3,471.74	3/4	3,126.89	3/4	2,782.02	3/4	2,436.98
9		9		9	4,789.37	9	4,474.82	9	4,151.13	9	3,809.40	9	3,464.56	9	3,119.71	9	2,774.84	9	2,429.79
1/4		1/4		1/4	4,782.24	1/4	4,468.28	1/4	4,144.17	1/4	3,802.22	1/4	3,457.37	1/4	3,112.53	1/4	2,767.65	1/4	2,422.60
1/2		1/2		1/2	4,775.11	1/2	4,461.74	1/2	4,137.21	1/2	3,795.03	1/2	3,450.19	1/2	3,105.34	1/2	2,760.46	1/2	2,415.42
3/4		3/4		3/4	4,767.98	3/4	4,455.17	3/4	4,130.22	3/4	3,787.85	3/4	3,443.00	3/4	3,098.16	3/4	2,753.27	3/4	2,408.23
10		10		10	4,760.86	10	4,448.59	10	4,123.23	10	3,780.67	10	3,435.82	10	3,090.97	10	2,746.08	10	2,401.04
1/4		1/4		1/4	4,753.73	1/4	4,442.01	1/4	4,116.24	1/4	3,773.48	1/4	3,428.64	1/4	3,083.79	1/4	2,738.89	1/4	2,393.85
1/2		1/2		1/2	4,746.60	1/2	4,435.44	1/2	4,109.25	1/2	3,766.30	1/2	3,421.45	1/2	3,076.60	1/2	2,731.71	1/2	2,386.66
3/4		3/4		3/4	4,739.48	3/4	4,428.83	3/4	4,102.23	3/4	3,759.11	3/4	3,414.27	3/4	3,069.42	3/4	2,724.52	3/4	2,379.47
11		11		11	4,732.35	11	4,422.21	11	4,095.21	11	3,751.93	11	3,407.08	11	3,062.24	11	2,717.33	11	2,372.29
1/4		1/4		1/4	4,725.22	1/4	4,415.60	1/4	4,088.18	1/4	3,744.74	1/4	3,399.90	1/4	3,055.05	1/4	2,710.14	1/4	2,365.10
1/2		1/2		1/2	4,718.10	1/2	4,408.99	1/2	4,081.16	1/2	3,737.56	1/2	3,392.71	1/2	3,047.87	1/2	2,702.95	1/2	2,357.91
3/4		3/4		3/4	4,711.42	3/4	4,402.35	3/4	4,074.10	3/4	3,730.38	3/4	3,385.53	3/4	3,040.68	3/4	2,695.76	3/4	2,350.72

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 GAUGING DEVICE"
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 29087"

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 315"

GAUGE HEIGHT 16'-09 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	2,343.53	0	1,998.49	0	1,653.45	0	1,308.40	0	970.45	0	632.72	0	287.70	0		0		0	
1/4	2,336.34	1/4	1,991.30	1/4	1,646.26	1/4	1,301.21	1/4	963.56	1/4	625.54	1/4	280.51	1/4		1/4		1/4	
1/2	2,329.15	1/2	1,984.11	1/2	1,639.07	1/2	1,294.03	1/2	956.68	1/2	618.35	1/2	273.32	1/2		1/2		1/2	
3/4	2,321.97	3/4	1,976.92	3/4	1,631.88	3/4	1,286.84	3/4	949.79	3/4	611.16	3/4	266.13	3/4		3/4		3/4	
1	2,314.78	1	1,969.73	1	1,624.69	1	1,279.65	1	942.91	1	603.97	1	258.94	1		1		1	
1/4	2,307.59	1/4	1,962.55	1/4	1,617.50	1/4	1,272.46	1/4	936.03	1/4	596.78	1/4	251.75	1/4		1/4		1/4	
1/2	2,300.40	1/2	1,955.36	1/2	1,610.31	1/2	1,265.27	1/2	929.14	1/2	589.60	1/2	244.57	1/2		1/2		1/2	
3/4	2,293.21	3/4	1,948.17	3/4	1,603.13	3/4	1,258.08	3/4	922.26	3/4	582.41	3/4	237.38	3/4		3/4		3/4	
2	2,286.02	2	1,940.98	2	1,595.94	2	1,250.89	2	915.38	2	575.22	2	230.19	2		2		2	
1/4	2,278.84	1/4	1,933.79	1/4	1,588.75	1/4	1,243.71	1/4	908.49	1/4	568.03	1/4	223.00	1/4		1/4		1/4	
1/2	2,271.65	1/2	1,926.60	1/2	1,581.56	1/2	1,236.52	1/2	901.61	1/2	560.84	1/2	215.81	1/2		1/2		1/2	
3/4	2,264.46	3/4	1,919.42	3/4	1,574.37	3/4	1,229.33	3/4	894.72	3/4	553.65	3/4	208.63	3/4		3/4		3/4	
3	2,257.27	3	1,912.23	3	1,567.18	3	1,222.14	3	887.84	3	546.47	3	201.44	3		3		3	
1/4	2,250.08	1/4	1,905.04	1/4	1,560.00	1/4	1,214.95	1/4	880.96	1/4	539.28	1/4	194.25	1/4		1/4		1/4	
1/2	2,242.89	1/2	1,897.85	1/2	1,552.81	1/2	1,207.76	1/2	874.07	1/2	532.09	1/2	187.06	1/2		1/2		1/2	
3/4	2,235.71	3/4	1,890.66	3/4	1,545.62	3/4	1,200.58	3/4	867.19	3/4	524.90	3/4	179.87	3/4		3/4		3/4	
4	2,228.52	4	1,883.47	4	1,538.43	4	1,193.39	4	860.31	4	517.71	4	172.69	4		4		4	
1/4	2,221.33	1/4	1,876.29	1/4	1,531.24	1/4	1,186.20	1/4	853.42	1/4	510.53	1/4	165.50	1/4		1/4		1/4	
1/2	2,214.14	1/2	1,869.10	1/2	1,524.05	1/2	1,179.01	1/2	846.54	1/2	503.34	1/2	158.31	1/2		1/2		1/2	
3/4	2,206.95	3/4	1,861.91	3/4	1,516.87	3/4	1,171.82	3/4	839.66	3/4	496.15	3/4	151.12	3/4		3/4		3/4	
5	2,199.76	5	1,854.72	5	1,509.68	5	1,164.63	5	832.77	5	488.96	5	143.93	5		5		5	
1/4	2,192.58	1/4	1,847.53	1/4	1,502.49	1/4	1,157.45	1/4	825.89	1/4	481.77	1/4	136.75	1/4		1/4		1/4	
1/2	2,185.39	1/2	1,840.34	1/2	1,495.30	1/2	1,150.26	1/2	819.00	1/2	474.59	1/2	129.56	1/2		1/2		1/2	
3/4	2,178.20	3/4	1,833.16	3/4	1,488.11	3/4	1,143.21	3/4	811.97	3/4	467.40	3/4	122.38	3/4		3/4		3/4	
6	2,171.01	6	1,825.97	6	1,480.92	6	1,136.16	6	804.93	6	460.21	6	115.19	6		6		6	
1/4	2,163.82	1/4	1,818.78	1/4	1,473.74	1/4	1,129.12	1/4	797.90	1/4	453.02	1/4	108.01	1/4		1/4		1/4	
1/2	2,156.63	1/2	1,811.59	1/2	1,466.55	1/2	1,122.07	1/2	790.86	1/2	445.83	1/2	100.83	1/2		1/2		1/2	
3/4	2,149.44	3/4	1,804.40	3/4	1,459.36	3/4	1,115.17	3/4	783.67	3/4	438.65	3/4	93.66	3/4		3/4		3/4	
7	2,142.26	7	1,797.21	7	1,452.17	7	1,108.26	7	776.49	7	431.46	7	86.50	7		7		7	
1/4	2,135.07	1/4	1,790.02	1/4	1,444.98	1/4	1,101.36	1/4	769.30	1/4	424.27	1/4	79.33	1/4		1/4		1/4	
1/2	2,127.88	1/2	1,782.84	1/2	1,437.79	1/2	1,094.45	1/2	762.11	1/2	417.08	1/2	72.17	1/2		1/2		1/2	
3/4	2,120.69	3/4	1,775.65	3/4	1,430.60	3/4	1,087.55	3/4	754.92	3/4	409.89	3/4	65.45	3/4		3/4		3/4	
8	2,113.50	8	1,768.46	8	1,423.42	8	1,080.66	8	747.73	8	402.70	8	58.73	8		8		8	
1/4	2,106.31	1/4	1,761.27	1/4	1,416.23	1/4	1,073.76	1/4	740.55	1/4	395.52	1/4	52.01	1/4		1/4		1/4	
1/2	2,099.13	1/2	1,754.08	1/2	1,409.04	1/2	1,066.86	1/2	733.36	1/2	388.33	1/2	45.29	1/2		1/2		1/2	
3/4	2,091.94	3/4	1,746.89	3/4	1,401.85	3/4	1,059.97	3/4	726.17	3/4	381.14	3/4	39.89	3/4		3/4		3/4	
9	2,084.75	9	1,739.71	9	1,394.66	9	1,053.08	9	718.98	9	373.95	9	34.50	9		9		9	
1/4	2,077.56	1/4	1,732.52	1/4	1,387.47	1/4	1,046.19	1/4	711.79	1/4	366.76	1/4	29.11	1/4		1/4		1/4	
1/2	2,070.37	1/2	1,725.33	1/2	1,380.29	1/2	1,039.30	1/2	704.60	1/2	359.58	1/2	23.73	1/2		1/2		1/2	
3/4	2,063.18	3/4	1,718.14	3/4	1,373.10	3/4	1,032.41	3/4	697.42	3/4	352.39	3/4		3/4		3/4		3/4	
10	2,056.00	10	1,710.95	10	1,365.91	10	1,025.52	10	690.23	10	345.20	10		10		10		10	
1/4	2,048.81	1/4	1,703.76	1/4	1,358.72	1/4	1,018.63	1/4	683.04	1/4	338.01	1/4		1/4		1/4		1/4	
1/2	2,041.62	1/2	1,696.58	1/2	1,351.53	1/2	1,011.75	1/2	675.85	1/2	330.82	1/2		1/2		1/2		1/2	
3/4	2,034.43	3/4	1,689.39	3/4	1,344.34	3/4	1,004.86	3/4	668.66	3/4	323.64	3/4		3/4		3/4		3/4	
11	2,027.24	11	1,682.20	11	1,337.16	11	997.98	11	661.48	11	316.45	11		11		11		11	
1/4	2,020.05	1/4	1,675.01	1/4	1,329.97	1/4	991.10	1/4	654.29	1/4	309.26	1/4		1/4		1/4		1/4	
1/2	2,012.87	1/2	1,667.82	1/2	1,322.78	1/2	984.21	1/2	647.10	1/2	302.07	1/2		1/2		1/2		1/2	
3/4	2,005.68	3/4	1,660.63	3/4	1,315.59	3/4	977.33	3/4	639.91	3/4	294.88	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2013 CL - SW
NAME CHANGE: 10/05/2023 JS
VERIFIED: 10/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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

BARGE "KIRBY 29087"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 315"

GAUGE HEIGHT 16'-09 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	4,717.50	0	4,408.54	0	4,079.96	0	3,736.19	0	3,391.43	0	3,046.67	0	2,701.84
1/4		1/4		1/4		1/4	4,710.82	1/4	4,401.89	1/4	4,072.91	1/4	3,729.01	1/4	3,384.25	1/4	3,039.49	1/4	2,694.65
1/2		1/2		1/2		1/2	4,704.15	1/2	4,395.25	1/2	4,065.85	1/2	3,721.83	1/2	3,377.07	1/2	3,032.31	1/2	2,687.46
3/4		3/4		3/4		3/4	4,697.90	3/4	4,388.58	3/4	4,058.76	3/4	3,714.65	3/4	3,369.89	3/4	3,025.13	3/4	2,680.28
1		1		1		1	4,691.66	1	4,381.90	1	4,051.67	1	3,707.46	1	3,362.70	1	3,017.94	1	2,673.09
1/4		1/4		1/4		1/4	4,685.42	1/4	4,375.23	1/4	4,044.58	1/4	3,700.28	1/4	3,355.52	1/4	3,010.76	1/4	2,665.90
1/2		1/2		1/2		1/2	4,679.18	1/2	4,368.56	1/2	4,037.48	1/2	3,693.10	1/2	3,348.34	1/2	3,003.58	1/2	2,658.72
3/4		3/4		3/4		3/4	4,672.91	3/4	4,361.85	3/4	4,030.36	3/4	3,685.92	3/4	3,341.16	3/4	2,996.40	3/4	2,651.53
2		2		2		2	4,666.64	2	4,355.15	2	4,023.24	2	3,678.73	2	3,333.97	2	2,989.21	2	2,644.34
1/4		1/4		1/4		1/4	4,660.37	1/4	4,348.44	1/4	4,016.11	1/4	3,671.55	1/4	3,326.79	1/4	2,982.03	1/4	2,637.16
1/2		1/2		1/2		1/2	4,654.09	1/2	4,341.74	1/2	4,008.99	1/2	3,664.37	1/2	3,319.61	1/2	2,974.85	1/2	2,629.97
3/4		3/4		3/4		3/4	4,647.79	3/4	4,335.00	3/4	4,001.84	3/4	3,657.19	3/4	3,312.43	3/4	2,967.67	3/4	2,622.78
3		3		3		3	4,641.48	3	4,328.26	3	3,994.68	3	3,650.00	3	3,305.24	3	2,960.48	3	2,615.60
1/4		1/4		1/4		1/4	4,635.18	1/4	4,321.52	1/4	3,987.53	1/4	3,642.82	1/4	3,298.06	1/4	2,953.30	1/4	2,608.41
1/2		1/2		1/2		1/2	4,628.87	1/2	4,314.79	1/2	3,980.37	1/2	3,635.64	1/2	3,290.88	1/2	2,946.12	1/2	2,601.22
3/4		3/4		3/4		3/4	4,622.53	3/4	4,308.02	3/4	3,973.20	3/4	3,628.46	3/4	3,283.70	3/4	2,938.94	3/4	2,594.04
4		4		4		4	4,616.19	4	4,301.25	4	3,966.02	4	3,621.27	4	3,276.51	4	2,931.75	4	2,586.85
1/4		1/4		1/4		1/4	4,609.85	1/4	4,294.48	1/4	3,958.84	1/4	3,614.09	1/4	3,269.33	1/4	2,924.57	1/4	2,579.67
1/2		1/2		1/2		1/2	4,603.51	1/2	4,287.71	1/2	3,951.67	1/2	3,606.91	1/2	3,262.15	1/2	2,917.39	1/2	2,572.48
3/4		3/4		3/4		3/4	4,597.14	3/4	4,280.91	3/4	3,944.49	3/4	3,599.73	3/4	3,254.97	3/4	2,910.21	3/4	2,565.29
5		5		5		5	4,590.77	5	4,274.11	5	3,937.30	5	3,592.54	5	3,247.78	5	2,903.02	5	2,558.11
1/4		1/4		1/4		1/4	4,584.39	1/4	4,267.31	1/4	3,930.12	1/4	3,585.36	1/4	3,240.60	1/4	2,895.84	1/4	2,550.92
1/2		1/2		1/2		1/2	4,578.02	1/2	4,260.51	1/2	3,922.94	1/2	3,578.18	1/2	3,233.42	1/2	2,888.66	1/2	2,543.73
3/4		3/4		3/4		3/4	4,571.62	3/4	4,253.67	3/4	3,915.76	3/4	3,571.00	3/4	3,226.24	3/4	2,881.48	3/4	2,536.55
6		6		6		6	4,565.21	6	4,246.84	6	3,908.57	6	3,563.81	6	3,219.05	6	2,874.30	6	2,529.36
1/4		1/4		1/4		1/4	4,558.81	1/4	4,240.00	1/4	3,901.39	1/4	3,556.63	1/4	3,211.87	1/4	2,867.12	1/4	2,522.17
1/2		1/2		1/2		1/2	4,552.41	1/2	4,233.17	1/2	3,894.21	1/2	3,549.45	1/2	3,204.69	1/2	2,859.94	1/2	2,514.99
3/4		3/4		3/4		3/4	4,545.97	3/4	4,226.28	3/4	3,887.03	3/4	3,542.27	3/4	3,197.51	3/4	2,852.76	3/4	2,507.80
7		7		7	4,854.79	7	4,539.53	7	4,219.40	7	3,879.84	7	3,535.08	7	3,190.32	7	2,845.57	7	2,500.61
1/4		1/4		1/4	4,849.10	1/4	4,533.10	1/4	4,212.52	1/4	3,872.66	1/4	3,527.90	1/4	3,183.14	1/4	2,838.38	1/4	2,493.43
1/2		1/2		1/2	4,843.41	1/2	4,526.66	1/2	4,205.64	1/2	3,865.48	1/2	3,520.72	1/2	3,175.96	1/2	2,831.20	1/2	2,486.24
3/4		3/4		3/4	4,836.65	3/4	4,520.18	3/4	4,198.71	3/4	3,858.30	3/4	3,513.54	3/4	3,168.78	3/4	2,824.01	3/4	2,479.05
8		8		8	4,829.88	8	4,513.69	8	4,191.79	8	3,851.11	8	3,506.35	8	3,161.59	8	2,816.82	8	2,471.87
1/4		1/4		1/4	4,823.11	1/4	4,507.20	1/4	4,184.86	1/4	3,843.93	1/4	3,499.17	1/4	3,154.41	1/4	2,809.64	1/4	2,464.68
1/2		1/2		1/2	4,816.35	1/2	4,500.71	1/2	4,177.94	1/2	3,836.75	1/2	3,491.99	1/2	3,147.23	1/2	2,802.45	1/2	2,457.49
3/4		3/4		3/4	4,809.22	3/4	4,494.18	3/4	4,170.98	3/4	3,829.57	3/4	3,484.81	3/4	3,140.05	3/4	2,795.26	3/4	2,450.31
9		9		9	4,802.10	9	4,487.64	9	4,164.02	9	3,822.38	9	3,477.62	9	3,132.86	9	2,788.08	9	2,443.12
1/4		1/4		1/4	4,794.97	1/4	4,481.10	1/4	4,157.06	1/4	3,815.20	1/4	3,470.44	1/4	3,125.68	1/4	2,780.89	1/4	2,435.93
1/2		1/2		1/2	4,787.85	1/2	4,474.56	1/2	4,150.11	1/2	3,808.02	1/2	3,463.26	1/2	3,118.50	1/2	2,773.70	1/2	2,428.75
3/4		3/4		3/4	4,780.72	3/4	4,467.98	3/4	4,143.12	3/4	3,800.84	3/4	3,456.08	3/4	3,111.32	3/4	2,766.52	3/4	2,421.56
10		10		10	4,773.60	10	4,461.41	10	4,136.13	10	3,793.65	10	3,448.89	10	3,104.13	10	2,759.33	10	2,414.37
1/4		1/4		1/4	4,766.47	1/4	4,454.83	1/4	4,129.14	1/4	3,786.47	1/4	3,441.71	1/4	3,096.95	1/4	2,752.14	1/4	2,407.19
1/2		1/2		1/2	4,759.35	1/2	4,448.26	1/2	4,122.15	1/2	3,779.29	1/2	3,434.53	1/2	3,089.77	1/2	2,744.96	1/2	2,400.00
3/4		3/4		3/4	4,752.22	3/4	4,441.65	3/4	4,115.13	3/4	3,772.11	3/4	3,427.35	3/4	3,082.59	3/4	2,737.77	3/4	2,392.81
11		11		11	4,745.10	11	4,435.04	11	4,108.11	11	3,764.92	11	3,420.16	11	3,075.40	11	2,730.58	11	2,385.63
1/4		1/4		1/4	4,737.97	1/4	4,428.43	1/4	4,101.09	1/4	3,757.74	1/4	3,412.98	1/4	3,068.22	1/4	2,723.40	1/4	2,378.44
1/2		1/2		1/2	4,730.85	1/2	4,421.82	1/2	4,094.07	1/2	3,750.56	1/2	3,405.80	1/2	3,061.04	1/2	2,716.21	1/2	2,371.25
3/4		3/4		3/4	4,724.17	3/4	4,415.18	3/4	4,087.02	3/4	3,743.38	3/4	3,398.62	3/4	3,053.86	3/4	2,709.02	3/4	2,364.07

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 GAUGING DEVICE"
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 29087"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 315"

GAUGE HEIGHT 16'-09 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	2,356.88	0	2,011.92	0	1,666.97	0	1,322.01	0	977.20	0	632.57	0	287.63	0		0		0	
1/4	2,349.69	1/4	2,004.74	1/4	1,659.78	1/4	1,314.82	1/4	970.03	1/4	625.38	1/4	280.44	1/4		1/4		1/4	
1/2	2,342.51	1/2	1,997.55	1/2	1,652.59	1/2	1,307.64	1/2	962.86	1/2	618.20	1/2	273.25	1/2		1/2		1/2	
3/4	2,335.32	3/4	1,990.36	3/4	1,645.41	3/4	1,300.45	3/4	955.68	3/4	611.01	3/4	266.07	3/4		3/4		3/4	
1	2,328.13	1	1,983.18	1	1,638.22	1	1,293.26	1	948.51	1	603.82	1	258.88	1		1		1	
1/4	2,320.95	1/4	1,975.99	1/4	1,631.03	1/4	1,286.08	1/4	941.34	1/4	596.64	1/4	251.70	1/4		1/4		1/4	
1/2	2,313.76	1/2	1,968.80	1/2	1,623.85	1/2	1,278.89	1/2	934.16	1/2	589.45	1/2	244.51	1/2		1/2		1/2	
3/4	2,306.57	3/4	1,961.62	3/4	1,616.66	3/4	1,271.70	3/4	926.99	3/4	582.27	3/4	237.32	3/4		3/4		3/4	
2	2,299.39	2	1,954.43	2	1,609.47	2	1,264.52	2	919.82	2	575.08	2	230.14	2		2		2	
1/4	2,292.20	1/4	1,947.24	1/4	1,602.29	1/4	1,257.33	1/4	912.64	1/4	567.89	1/4	222.95	1/4		1/4		1/4	
1/2	2,285.01	1/2	1,940.06	1/2	1,595.10	1/2	1,250.14	1/2	905.47	1/2	560.71	1/2	215.76	1/2		1/2		1/2	
3/4	2,277.83	3/4	1,932.87	3/4	1,587.91	3/4	1,242.96	3/4	898.29	3/4	553.52	3/4	208.58	3/4		3/4		3/4	
3	2,270.64	3	1,925.68	3	1,580.73	3	1,235.77	3	891.12	3	546.33	3	201.39	3		3		3	
1/4	2,263.45	1/4	1,918.50	1/4	1,573.54	1/4	1,228.58	1/4	883.95	1/4	539.15	1/4	194.21	1/4		1/4		1/4	
1/2	2,256.27	1/2	1,911.31	1/2	1,566.35	1/2	1,221.40	1/2	876.77	1/2	531.96	1/2	187.02	1/2		1/2		1/2	
3/4	2,249.08	3/4	1,904.12	3/4	1,559.17	3/4	1,214.21	3/4	869.60	3/4	524.77	3/4	179.83	3/4		3/4		3/4	
4	2,241.89	4	1,896.94	4	1,551.98	4	1,207.02	4	862.43	4	517.59	4	172.65	4		4		4	
1/4	2,234.71	1/4	1,889.75	1/4	1,544.79	1/4	1,199.84	1/4	855.25	1/4	510.40	1/4	165.46	1/4		1/4		1/4	
1/2	2,227.52	1/2	1,882.56	1/2	1,537.61	1/2	1,192.65	1/2	848.08	1/2	503.22	1/2	158.27	1/2		1/2		1/2	
3/4	2,220.34	3/4	1,875.38	3/4	1,530.42	3/4	1,185.46	3/4	840.91	3/4	496.03	3/4	151.09	3/4		3/4		3/4	
5	2,213.15	5	1,868.19	5	1,523.23	5	1,178.28	5	833.73	5	488.84	5	143.90	5		5		5	
1/4	2,205.96	1/4	1,861.01	1/4	1,516.05	1/4	1,171.09	1/4	826.56	1/4	481.66	1/4	136.72	1/4		1/4		1/4	
1/2	2,198.78	1/2	1,853.82	1/2	1,508.86	1/2	1,163.90	1/2	819.39	1/2	474.47	1/2	129.53	1/2		1/2		1/2	
3/4	2,191.59	3/4	1,846.63	3/4	1,501.68	3/4	1,156.72	3/4	812.21	3/4	467.28	3/4	122.35	3/4		3/4		3/4	
6	2,184.40	6	1,839.45	6	1,494.49	6	1,149.53	6	805.03	6	460.10	6	115.17	6		6		6	
1/4	2,177.22	1/4	1,832.26	1/4	1,487.30	1/4	1,142.35	1/4	797.85	1/4	452.91	1/4	107.99	1/4		1/4		1/4	
1/2	2,170.03	1/2	1,825.07	1/2	1,480.12	1/2	1,135.16	1/2	790.67	1/2	445.73	1/2	100.81	1/2		1/2		1/2	
3/4	2,162.84	3/4	1,817.89	3/4	1,472.93	3/4	1,127.97	3/4	783.48	3/4	438.54	3/4	93.65	3/4		3/4		3/4	
7	2,155.66	7	1,810.70	7	1,465.74	7	1,120.79	7	776.30	7	431.35	7	86.48	7		7		7	
1/4	2,148.47	1/4	1,803.51	1/4	1,458.56	1/4	1,113.60	1/4	769.11	1/4	424.17	1/4	79.32	1/4		1/4		1/4	
1/2	2,141.28	1/2	1,796.33	1/2	1,451.37	1/2	1,106.41	1/2	761.92	1/2	416.98	1/2	72.15	1/2		1/2		1/2	
3/4	2,134.10	3/4	1,789.14	3/4	1,444.18	3/4	1,099.23	3/4	754.74	3/4	409.79	3/4	65.43	3/4		3/4		3/4	
8	2,126.91	8	1,781.95	8	1,437.00	8	1,092.04	8	747.55	8	402.61	8	58.72	8		8		8	
1/4	2,119.72	1/4	1,774.77	1/4	1,429.81	1/4	1,084.86	1/4	740.36	1/4	395.42	1/4	52.00	1/4		1/4		1/4	
1/2	2,112.54	1/2	1,767.58	1/2	1,422.62	1/2	1,077.68	1/2	733.18	1/2	388.24	1/2	45.28	1/2		1/2		1/2	
3/4	2,105.35	3/4	1,760.39	3/4	1,415.44	3/4	1,070.50	3/4	725.99	3/4	381.05	3/4	39.89	3/4		3/4		3/4	
9	2,098.16	9	1,753.21	9	1,408.25	9	1,063.32	9	718.81	9	373.86	9	34.50	9		9		9	
1/4	2,090.98	1/4	1,746.02	1/4	1,401.06	1/4	1,056.13	1/4	711.62	1/4	366.68	1/4	29.11	1/4		1/4		1/4	
1/2	2,083.79	1/2	1,738.83	1/2	1,393.88	1/2	1,048.95	1/2	704.43	1/2	359.49	1/2	23.72	1/2		1/2		1/2	
3/4	2,076.60	3/4	1,731.65	3/4	1,386.69	3/4	1,041.78	3/4	697.25	3/4	352.30	3/4		3/4		3/4		3/4	
10	2,069.42	10	1,724.46	10	1,379.50	10	1,034.60	10	690.06	10	345.12	10		10		10		10	
1/4	2,062.23	1/4	1,717.27	1/4	1,372.32	1/4	1,027.42	1/4	682.87	1/4	337.93	1/4		1/4		1/4		1/4	
1/2	2,055.04	1/2	1,710.09	1/2	1,365.13	1/2	1,020.24	1/2	675.69	1/2	330.74	1/2		1/2		1/2		1/2	
3/4	2,047.86	3/4	1,702.90	3/4	1,357.94	3/4	1,013.07	3/4	668.50	3/4	323.56	3/4		3/4		3/4		3/4	
11	2,040.67	11	1,695.71	11	1,350.76	11	1,005.90	11	661.31	11	316.37	11		11		11		11	
1/4	2,033.48	1/4	1,688.53	1/4	1,343.57	1/4	998.72	1/4	654.13	1/4	309.19	1/4		1/4		1/4		1/4	
1/2	2,026.30	1/2	1,681.34	1/2	1,336.38	1/2	991.55	1/2	646.94	1/2	302.00	1/2		1/2		1/2		1/2	
3/4	2,019.11	3/4	1,674.15	3/4	1,329.20	3/4	984.38	3/4	639.76	3/4	294.81	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2013 CL - SW
NAME CHANGE: 10/05/2023 JS
VERIFIED: 10/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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

BARGE "KIRBY 29087"

3 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 315"

GAUGE HEIGHT 16'-09 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	4,542.45	0	4,316.30	0	4,075.26	0	3,823.80	0	3,541.72	0	3,178.69	0	2,814.99
1/4		1/4		1/4		1/4	4,537.89	1/4	4,311.42	1/4	4,070.07	1/4	3,818.56	1/4	3,534.16	1/4	3,171.11	1/4	2,807.41
1/2		1/2		1/2		1/2	4,533.32	1/2	4,306.54	1/2	4,064.89	1/2	3,813.31	1/2	3,526.61	1/2	3,163.54	1/2	2,799.83
3/4		3/4		3/4		3/4	4,528.76	3/4	4,301.67	3/4	4,059.71	3/4	3,808.06	3/4	3,519.05	3/4	3,155.96	3/4	2,792.25
1		1		1		1	4,524.17	1	4,296.76	1	4,054.51	1	3,802.81	1	3,511.50	1	3,148.39	1	2,784.68
1/4		1/4		1/4		1/4	4,519.59	1/4	4,291.86	1/4	4,049.30	1/4	3,797.56	1/4	3,503.94	1/4	3,140.81	1/4	2,777.10
1/2		1/2		1/2		1/2	4,515.00	1/2	4,286.96	1/2	4,044.09	1/2	3,792.31	1/2	3,496.39	1/2	3,133.24	1/2	2,769.52
3/4		3/4		3/4		3/4	4,510.42	3/4	4,282.06	3/4	4,038.89	3/4	3,787.06	3/4	3,488.83	3/4	3,125.66	3/4	2,761.94
2		2		2		2	4,505.81	2	4,277.14	2	4,033.66	2	3,781.82	2	3,481.28	2	3,118.09	2	2,754.36
1/4		1/4		1/4		1/4	4,501.20	1/4	4,272.21	1/4	4,028.43	1/4	3,776.57	1/4	3,473.72	1/4	3,110.51	1/4	2,746.79
1/2		1/2		1/2		1/2	4,496.59	1/2	4,267.29	1/2	4,023.20	1/2	3,771.32	1/2	3,466.17	1/2	3,102.93	1/2	2,739.21
3/4		3/4		3/4		3/4	4,491.98	3/4	4,262.36	3/4	4,017.98	3/4	3,766.07	3/4	3,458.61	3/4	3,095.36	3/4	2,731.63
3		3		3		3	4,487.34	3	4,257.42	3	4,012.73	3	3,760.82	3	3,451.06	3	3,087.78	3	2,724.05
1/4		1/4		1/4		1/4	4,482.70	1/4	4,252.47	1/4	4,007.49	1/4	3,755.57	1/4	3,443.51	1/4	3,080.21	1/4	2,716.47
1/2		1/2		1/2		1/2	4,478.07	1/2	4,247.52	1/2	4,002.25	1/2	3,750.33	1/2	3,435.95	1/2	3,072.63	1/2	2,708.89
3/4		3/4		3/4		3/4	4,473.43	3/4	4,242.57	3/4	3,997.00	3/4	3,745.08	3/4	3,428.40	3/4	3,065.06	3/4	2,701.32
4		4		4		4	4,468.77	4	4,237.60	4	3,991.76	4	3,739.83	4	3,420.84	4	3,057.48	4	2,693.74
1/4		1/4		1/4		1/4	4,464.11	1/4	4,232.63	1/4	3,986.51	1/4	3,734.58	1/4	3,413.29	1/4	3,049.90	1/4	2,686.16
1/2		1/2		1/2		1/2	4,459.45	1/2	4,227.66	1/2	3,981.26	1/2	3,729.33	1/2	3,405.73	1/2	3,042.33	1/2	2,678.58
3/4		3/4		3/4		3/4	4,454.79	3/4	4,222.69	3/4	3,976.01	3/4	3,724.08	3/4	3,398.18	3/4	3,034.75	3/4	2,671.00
5		5		5		5	4,450.11	5	4,217.69	5	3,970.76	5	3,718.83	5	3,390.62	5	3,027.18	5	2,663.42
1/4		1/4		1/4		1/4	4,445.43	1/4	4,212.70	1/4	3,965.51	1/4	3,713.59	1/4	3,383.07	1/4	3,019.60	1/4	2,655.84
1/2		1/2		1/2		1/2	4,440.74	1/2	4,207.70	1/2	3,960.27	1/2	3,708.34	1/2	3,375.51	1/2	3,012.02	1/2	2,648.26
3/4		3/4		3/4		3/4	4,436.06	3/4	4,202.70	3/4	3,955.02	3/4	3,703.09	3/4	3,367.96	3/4	3,004.45	3/4	2,640.67
6		6		6		6	4,431.35	6	4,197.67	6	3,949.77	6	3,697.84	6	3,360.40	6	2,996.87	6	2,633.09
1/4		1/4		1/4	4,655.74	1/4	4,426.65	1/4	4,192.64	1/4	3,944.52	1/4	3,692.59	1/4	3,352.85	1/4	2,989.29	1/4	2,625.50
1/2		1/2		1/2	4,652.05	1/2	4,421.94	1/2	4,187.61	1/2	3,939.27	1/2	3,687.34	1/2	3,345.29	1/2	2,981.71	1/2	2,617.92
3/4		3/4		3/4	4,648.36	3/4	4,417.24	3/4	4,182.58	3/4	3,934.02	3/4	3,682.09	3/4	3,337.74	3/4	2,974.13	3/4	2,610.33
7		7		7	4,643.54	7	4,412.49	7	4,177.52	7	3,928.77	7	3,676.85	7	3,330.17	7	2,966.56	7	2,602.75
1/4		1/4		1/4	4,638.71	1/4	4,407.75	1/4	4,172.46	1/4	3,923.53	1/4	3,671.60	1/4	3,322.61	1/4	2,958.98	1/4	2,595.16
1/2		1/2		1/2	4,633.88	1/2	4,403.01	1/2	4,167.40	1/2	3,918.28	1/2	3,666.35	1/2	3,315.04	1/2	2,951.40	1/2	2,587.58
3/4		3/4		3/4	4,629.05	3/4	4,398.27	3/4	4,162.34	3/4	3,913.03	3/4	3,661.10	3/4	3,307.48	3/4	2,943.82	3/4	2,579.99
8		8		8	4,623.84	8	4,393.49	8	4,157.26	8	3,907.78	8	3,655.27	8	3,299.90	8	2,936.24	8	2,572.40
1/4		1/4		1/4	4,618.63	1/4	4,388.71	1/4	4,152.17	1/4	3,902.53	1/4	3,649.43	1/4	3,292.32	1/4	2,928.66	1/4	2,564.82
1/2		1/2		1/2	4,613.42	1/2	4,383.93	1/2	4,147.09	1/2	3,897.28	1/2	3,643.59	1/2	3,284.75	1/2	2,921.09	1/2	2,557.23
3/4		3/4		3/4	4,608.21	3/4	4,379.15	3/4	4,142.01	3/4	3,892.03	3/4	3,637.76	3/4	3,277.17	3/4	2,913.51	3/4	2,549.65
9		9		9	4,603.00	9	4,374.34	9	4,136.90	9	3,886.79	9	3,630.76	9	3,269.60	9	2,905.93	9	2,542.08
1/4		1/4		1/4	4,597.79	1/4	4,369.54	1/4	4,131.79	1/4	3,881.54	1/4	3,623.77	1/4	3,262.02	1/4	2,898.35	1/4	2,534.51
1/2		1/2		1/2	4,592.59	1/2	4,364.73	1/2	4,126.69	1/2	3,876.29	1/2	3,616.78	1/2	3,254.45	1/2	2,890.77	1/2	2,526.95
3/4		3/4		3/4	4,587.38	3/4	4,359.92	3/4	4,121.58	3/4	3,871.04	3/4	3,609.78	3/4	3,246.87	3/4	2,883.19	3/4	2,519.38
10		10		10	4,582.17	10	4,355.09	10	4,116.45	10	3,865.79	10	3,602.21	10	3,239.29	10	2,875.62	10	2,511.83
1/4		1/4		1/4	4,576.96	1/4	4,350.26	1/4	4,111.32	1/4	3,860.54	1/4	3,594.65	1/4	3,231.72	1/4	2,868.04	1/4	2,504.29
1/2		1/2		1/2	4,571.75	1/2	4,345.43	1/2	4,106.19	1/2	3,855.30	1/2	3,587.08	1/2	3,224.14	1/2	2,860.46	1/2	2,496.74
3/4		3/4		3/4	4,566.54	3/4	4,340.60	3/4	4,101.06	3/4	3,850.05	3/4	3,579.52	3/4	3,216.57	3/4	2,852.88	3/4	2,489.19
11		11		11	4,561.66	11	4,335.74	11	4,095.91	11	3,844.80	11	3,571.95	11	3,208.99	11	2,845.30	11	2,481.65
1/4		1/4		1/4	4,556.78	1/4	4,330.89	1/4	4,090.75	1/4	3,839.55	1/4	3,564.39	1/4	3,201.42	1/4	2,837.72	1/4	2,474.10
1/2		1/2		1/2	4,551.90	1/2	4,326.03	1/2	4,085.59	1/2	3,834.30	1/2	3,556.83	1/2	3,193.84	1/2	2,830.15	1/2	2,466.55
3/4		3/4		3/4	4,547.02	3/4	4,321.18	3/4	4,080.44	3/4	3,829.05	3/4	3,549.27	3/4	3,186.27	3/4	2,822.57	3/4	2,459.00

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC GAUGING DEVICE"
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 29087"

3 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 315"

GAUGE HEIGHT 16'-08 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	2,451.46	0	2,089.85	0	1,727.06	0	1,362.95	0	1,004.83	0	645.44	0	281.16	0		0		0	
1/4	2,443.91	1/4	2,082.33	1/4	1,719.48	1/4	1,355.37	1/4	997.48	1/4	637.85	1/4	273.57	1/4		1/4		1/4	
1/2	2,436.36	1/2	2,074.81	1/2	1,711.89	1/2	1,347.78	1/2	990.12	1/2	630.26	1/2	265.98	1/2		1/2		1/2	
3/4	2,428.82	3/4	2,067.29	3/4	1,704.31	3/4	1,340.20	3/4	982.76	3/4	622.67	3/4	258.40	3/4		3/4		3/4	
1	2,421.27	1	2,059.76	1	1,696.72	1	1,332.61	1	975.41	1	615.08	1	250.81	1		1		1	
1/4	2,413.72	1/4	2,052.24	1/4	1,689.14	1/4	1,325.03	1/4	968.05	1/4	607.49	1/4	243.22	1/4		1/4		1/4	
1/2	2,406.18	1/2	2,044.72	1/2	1,681.55	1/2	1,317.44	1/2	960.70	1/2	599.90	1/2	235.63	1/2		1/2		1/2	
3/4	2,398.63	3/4	2,037.20	3/4	1,673.96	3/4	1,309.86	3/4	953.34	3/4	592.31	3/4	228.04	3/4		3/4		3/4	
2	2,391.08	2	2,029.67	2	1,666.38	2	1,302.27	2	945.99	2	584.72	2	220.45	2		2		2	
1/4	2,383.53	1/4	2,022.15	1/4	1,658.79	1/4	1,294.68	1/4	938.63	1/4	577.13	1/4	212.86	1/4		1/4		1/4	
1/2	2,375.99	1/2	2,014.63	1/2	1,651.21	1/2	1,287.10	1/2	931.27	1/2	569.54	1/2	205.27	1/2		1/2		1/2	
3/4	2,368.44	3/4	2,007.10	3/4	1,643.62	3/4	1,279.51	3/4	923.92	3/4	561.95	3/4	197.68	3/4		3/4		3/4	
3	2,360.89	3	1,999.58	3	1,636.04	3	1,271.93	3	916.56	3	554.36	3	190.09	3		3		3	
1/4	2,353.35	1/4	1,992.06	1/4	1,628.45	1/4	1,264.34	1/4	909.21	1/4	546.77	1/4	182.50	1/4		1/4		1/4	
1/2	2,345.80	1/2	1,984.54	1/2	1,620.87	1/2	1,256.76	1/2	901.85	1/2	539.18	1/2	174.91	1/2		1/2		1/2	
3/4	2,338.25	3/4	1,977.01	3/4	1,613.28	3/4	1,249.17	3/4	894.50	3/4	531.59	3/4	167.32	3/4		3/4		3/4	
4	2,330.70	4	1,969.49	4	1,605.69	4	1,241.59	4	887.14	4	524.00	4	159.73	4		4		4	
1/4	2,323.16	1/4	1,961.97	1/4	1,598.11	1/4	1,234.00	1/4	879.78	1/4	516.41	1/4	152.14	1/4		1/4		1/4	
1/2	2,315.61	1/2	1,954.45	1/2	1,590.52	1/2	1,226.41	1/2	872.43	1/2	508.82	1/2	144.55	1/2		1/2		1/2	
3/4	2,308.06	3/4	1,946.92	3/4	1,582.94	3/4	1,218.83	3/4	865.07	3/4	501.23	3/4	136.96	3/4		3/4		3/4	
5	2,300.53	5	1,939.37	5	1,575.35	5	1,211.35	5	857.60	5	493.64	5	129.37	5		5		5	
1/4	2,292.99	1/4	1,931.81	1/4	1,567.77	1/4	1,203.87	1/4	850.13	1/4	486.05	1/4	121.78	1/4		1/4		1/4	
1/2	2,285.46	1/2	1,924.26	1/2	1,560.18	1/2	1,196.39	1/2	842.65	1/2	478.46	1/2	114.19	1/2		1/2		1/2	
3/4	2,277.92	3/4	1,916.70	3/4	1,552.59	3/4	1,188.91	3/4	835.18	3/4	470.87	3/4	106.61	3/4		3/4		3/4	
6	2,270.40	6	1,909.12	6	1,545.01	6	1,181.53	6	827.59	6	463.29	6	99.03	6		6		6	
1/4	2,262.88	1/4	1,901.53	1/4	1,537.42	1/4	1,174.16	1/4	820.00	1/4	455.70	1/4	91.46	1/4		1/4		1/4	
1/2	2,255.35	1/2	1,893.95	1/2	1,529.84	1/2	1,166.78	1/2	812.41	1/2	448.11	1/2	83.88	1/2		1/2		1/2	
3/4	2,247.83	3/4	1,886.36	3/4	1,522.25	3/4	1,159.40	3/4	804.82	3/4	440.52	3/4	76.30	3/4		3/4		3/4	
7	2,240.31	7	1,878.78	7	1,514.67	7	1,152.04	7	797.23	7	432.93	7	69.20	7		7		7	
1/4	2,232.79	1/4	1,871.19	1/4	1,507.08	1/4	1,144.67	1/4	789.64	1/4	425.34	1/4	62.09	1/4		1/4		1/4	
1/2	2,225.26	1/2	1,863.60	1/2	1,499.50	1/2	1,137.30	1/2	782.05	1/2	417.75	1/2	54.98	1/2		1/2		1/2	
3/4	2,217.74	3/4	1,856.02	3/4	1,491.91	3/4	1,129.93	3/4	774.46	3/4	410.17	3/4	47.88	3/4		3/4		3/4	
8	2,210.22	8	1,848.43	8	1,484.32	8	1,122.56	8	766.87	8	402.58	8	42.17	8		8		8	
1/4	2,202.69	1/4	1,840.85	1/4	1,476.74	1/4	1,115.20	1/4	759.28	1/4	394.99	1/4	36.47	1/4		1/4		1/4	
1/2	2,195.17	1/2	1,833.26	1/2	1,469.15	1/2	1,107.84	1/2	751.69	1/2	387.40	1/2	30.77	1/2		1/2		1/2	
3/4	2,187.65	3/4	1,825.68	3/4	1,461.57	3/4	1,100.48	3/4	744.10	3/4	379.81	3/4	25.07	3/4		3/4		3/4	
9	2,180.13	9	1,818.09	9	1,453.98	9	1,093.12	9	736.51	9	372.22	9		9		9		9	
1/4	2,172.60	1/4	1,810.51	1/4	1,446.40	1/4	1,085.75	1/4	728.92	1/4	364.63	1/4		1/4		1/4		1/4	
1/2	2,165.08	1/2	1,802.92	1/2	1,438.81	1/2	1,078.39	1/2	721.33	1/2	357.05	1/2		1/2		1/2		1/2	
3/4	2,157.56	3/4	1,795.33	3/4	1,431.23	3/4	1,071.03	3/4	713.74	3/4	349.46	3/4		3/4		3/4		3/4	
10	2,150.04	10	1,787.75	10	1,423.64	10	1,063.68	10	706.15	10	341.87	10		10		10		10	
1/4	2,142.51	1/4	1,780.16	1/4	1,416.05	1/4	1,056.32	1/4	698.56	1/4	334.28	1/4		1/4		1/4		1/4	
1/2	2,134.99	1/2	1,772.58	1/2	1,408.47	1/2	1,048.97	1/2	690.97	1/2	326.69	1/2		1/2		1/2		1/2	
3/4	2,127.47	3/4	1,764.99	3/4	1,400.88	3/4	1,041.61	3/4	683.38	3/4	319.10	3/4		3/4		3/4		3/4	
11	2,119.95	11	1,757.41	11	1,393.30	11	1,034.26	11	675.80	11	311.52	11		11		11		11	
1/4	2,112.42	1/4	1,749.82	1/4	1,385.71	1/4	1,026.90	1/4	668.21	1/4	303.93	1/4		1/4		1/4		1/4	
1/2	2,104.90	1/2	1,742.23	1/2	1,378.13	1/2	1,019.54	1/2	660.62	1/2	296.34	1/2		1/2		1/2		1/2	
3/4	2,097.38	3/4	1,734.65	3/4	1,370.54	3/4	1,012.19	3/4	653.03	3/4	288.75	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2013 CL - SW
NAME CHANGE: 10/05/2023 JS
VERIFIED: 10/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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

BARGE "KIRBY 29087"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 315"

GAUGE HEIGHT 16'-09 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	4,559.38	0	4,332.93	0	4,091.60	0	3,840.09	0	3,555.61	0	3,191.78	0	2,827.30
1/4		1/4		1/4		1/4	4,554.81	1/4	4,328.05	1/4	4,086.41	1/4	3,834.84	1/4	3,548.04	1/4	3,184.19	1/4	2,819.70
1/2		1/2		1/2		1/2	4,550.25	1/2	4,323.17	1/2	4,081.23	1/2	3,829.59	1/2	3,540.47	1/2	3,176.60	1/2	2,812.11
3/4		3/4		3/4		3/4	4,545.66	3/4	4,318.27	3/4	4,076.03	3/4	3,824.35	3/4	3,532.89	3/4	3,169.00	3/4	2,804.51
1		1		1		1	4,541.08	1	4,313.37	1	4,070.82	1	3,819.10	1	3,525.32	1	3,161.41	1	2,796.92
1/4		1/4		1/4		1/4	4,536.49	1/4	4,308.47	1/4	4,065.62	1/4	3,813.85	1/4	3,517.75	1/4	3,153.82	1/4	2,789.32
1/2		1/2		1/2		1/2	4,531.91	1/2	4,303.57	1/2	4,060.41	1/2	3,808.60	1/2	3,510.18	1/2	3,146.23	1/2	2,781.73
3/4		3/4		3/4		3/4	4,527.30	3/4	4,298.65	3/4	4,055.19	3/4	3,803.35	3/4	3,502.61	3/4	3,138.64	3/4	2,774.13
2		2		2		2	4,522.69	2	4,293.72	2	4,049.96	2	3,798.10	2	3,495.04	2	3,131.05	2	2,766.54
1/4		1/4		1/4		1/4	4,518.08	1/4	4,288.80	1/4	4,044.73	1/4	3,792.86	1/4	3,487.47	1/4	3,123.45	1/4	2,758.95
1/2		1/2		1/2		1/2	4,513.47	1/2	4,283.87	1/2	4,039.50	1/2	3,787.61	1/2	3,479.90	1/2	3,115.86	1/2	2,751.35
3/4		3/4		3/4		3/4	4,508.83	3/4	4,278.93	3/4	4,034.26	3/4	3,782.36	3/4	3,472.33	3/4	3,108.27	3/4	2,743.76
3		3		3		3	4,504.20	3	4,273.98	3	4,029.01	3	3,777.11	3	3,464.75	3	3,100.68	3	2,736.16
1/4		1/4		1/4		1/4	4,499.56	1/4	4,269.03	1/4	4,023.77	1/4	3,771.86	1/4	3,457.18	1/4	3,093.09	1/4	2,728.57
1/2		1/2		1/2		1/2	4,494.92	1/2	4,264.09	1/2	4,018.53	1/2	3,766.62	1/2	3,449.61	1/2	3,085.49	1/2	2,720.97
3/4		3/4		3/4		3/4	4,490.26	3/4	4,259.11	3/4	4,013.28	3/4	3,761.37	3/4	3,442.04	3/4	3,077.90	3/4	2,713.38
4		4		4		4	4,485.61	4	4,254.14	4	4,008.03	4	3,756.12	4	3,434.47	4	3,070.31	4	2,705.78
1/4		1/4		1/4		1/4	4,480.95	1/4	4,249.17	1/4	4,002.78	1/4	3,750.87	1/4	3,426.90	1/4	3,062.72	1/4	2,698.19
1/2		1/2		1/2		1/2	4,476.29	1/2	4,244.20	1/2	3,997.53	1/2	3,745.62	1/2	3,419.33	1/2	3,055.13	1/2	2,690.60
3/4		3/4		3/4		3/4	4,471.60	3/4	4,239.21	3/4	3,992.28	3/4	3,740.38	3/4	3,411.76	3/4	3,047.53	3/4	2,683.00
5		5		5		5	4,466.92	5	4,234.21	5	3,987.04	5	3,735.13	5	3,404.19	5	3,039.94	5	2,675.40
1/4		1/4		1/4		1/4	4,462.24	1/4	4,229.21	1/4	3,981.79	1/4	3,729.88	1/4	3,396.61	1/4	3,032.35	1/4	2,667.80
1/2		1/2		1/2		1/2	4,457.56	1/2	4,224.22	1/2	3,976.54	1/2	3,724.63	1/2	3,389.04	1/2	3,024.75	1/2	2,660.21
3/4		3/4		3/4		3/4	4,452.85	3/4	4,219.19	3/4	3,971.29	3/4	3,719.38	3/4	3,381.47	3/4	3,017.16	3/4	2,652.61
6		6		6	4,677.23	6	4,448.15	6	4,214.16	6	3,966.04	6	3,714.14	6	3,373.90	6	3,009.56	6	2,645.00
1/4		1/4		1/4	4,673.54	1/4	4,443.44	1/4	4,209.13	1/4	3,960.80	1/4	3,708.89	1/4	3,366.33	1/4	3,001.97	1/4	2,637.40
1/2		1/2		1/2	4,669.85	1/2	4,438.74	1/2	4,204.10	1/2	3,955.55	1/2	3,703.64	1/2	3,358.76	1/2	2,994.38	1/2	2,629.80
3/4		3/4		3/4	4,665.02	3/4	4,433.99	3/4	4,199.04	3/4	3,950.30	3/4	3,698.39	3/4	3,351.18	3/4	2,986.78	3/4	2,622.20
7		7		7	4,660.19	7	4,429.25	7	4,193.98	7	3,945.05	7	3,693.14	7	3,343.60	7	2,979.19	7	2,614.60
1/4		1/4		1/4	4,655.36	1/4	4,424.51	1/4	4,188.92	1/4	3,939.80	1/4	3,687.89	1/4	3,336.01	1/4	2,971.59	1/4	2,606.99
1/2		1/2		1/2	4,650.53	1/2	4,419.77	1/2	4,183.86	1/2	3,934.56	1/2	3,682.65	1/2	3,328.43	1/2	2,964.00	1/2	2,599.39
3/4		3/4		3/4	4,645.32	3/4	4,414.99	3/4	4,178.78	3/4	3,929.31	3/4	3,676.81	3/4	3,320.84	3/4	2,956.40	3/4	2,591.79
8		8		8	4,640.12	8	4,410.21	8	4,173.69	8	3,924.06	8	3,670.98	8	3,313.25	8	2,948.81	8	2,584.19
1/4		1/4		1/4	4,634.91	1/4	4,405.43	1/4	4,168.61	1/4	3,918.81	1/4	3,665.14	1/4	3,305.66	1/4	2,941.21	1/4	2,576.59
1/2		1/2		1/2	4,629.70	1/2	4,400.65	1/2	4,163.53	1/2	3,913.56	1/2	3,659.31	1/2	3,298.06	1/2	2,933.62	1/2	2,568.99
3/4		3/4		3/4	4,624.49	3/4	4,395.84	3/4	4,158.42	3/4	3,908.31	3/4	3,652.31	3/4	3,290.47	3/4	2,926.02	3/4	2,561.38
9		9		9	4,619.28	9	4,391.04	9	4,153.31	9	3,903.07	9	3,645.31	9	3,282.88	9	2,918.43	9	2,553.78
1/4		1/4		1/4	4,614.07	1/4	4,386.23	1/4	4,148.21	1/4	3,897.82	1/4	3,638.32	1/4	3,275.29	1/4	2,910.84	1/4	2,546.18
1/2		1/2		1/2	4,608.86	1/2	4,381.43	1/2	4,143.10	1/2	3,892.57	1/2	3,631.32	1/2	3,267.70	1/2	2,903.24	1/2	2,538.58
3/4		3/4		3/4	4,603.65	3/4	4,376.60	3/4	4,137.97	3/4	3,887.32	3/4	3,623.75	3/4	3,260.11	3/4	2,895.65	3/4	2,530.98
10		10		10	4,598.44	10	4,371.76	10	4,132.84	10	3,882.07	10	3,616.18	10	3,252.51	10	2,888.05	10	2,523.38
1/4		1/4		1/4	4,593.23	1/4	4,366.93	1/4	4,127.71	1/4	3,876.83	1/4	3,608.61	1/4	3,244.92	1/4	2,880.46	1/4	2,515.77
1/2		1/2		1/2	4,588.03	1/2	4,362.10	1/2	4,122.58	1/2	3,871.58	1/2	3,601.03	1/2	3,237.33	1/2	2,872.86	1/2	2,508.17
3/4		3/4		3/4	4,583.14	3/4	4,357.25	3/4	4,117.43	3/4	3,866.33	3/4	3,593.46	3/4	3,229.74	3/4	2,865.27	3/4	2,500.57
11		11		11	4,578.26	11	4,352.39	11	4,112.27	11	3,861.08	11	3,585.89	11	3,222.15	11	2,857.67	11	2,492.97
1/4		1/4		1/4	4,573.38	1/4	4,347.54	1/4	4,107.12	1/4	3,855.83	1/4	3,578.32	1/4	3,214.55	1/4	2,850.08	1/4	2,485.37
1/2		1/2		1/2	4,568.50	1/2	4,342.68	1/2	4,101.96	1/2	3,850.59	1/2	3,570.75	1/2	3,206.96	1/2	2,842.49	1/2	2,477.76
3/4		3/4		3/4	4,563.94	3/4	4,337.81	3/4	4,096.78	3/4	3,845.34	3/4	3,563.18	3/4	3,199.37	3/4	2,834.89	3/4	2,470.16

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

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

BARGE "KIRBY 29087"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 315"

GAUGE HEIGHT 16'-08 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	2,462.56	0	2,097.67	0	1,732.79	0	1,367.90	0	1,003.26	0	638.69	0	273.81	0		0		0	
1/4	2,454.96	1/4	2,090.07	1/4	1,725.19	1/4	1,360.30	1/4	995.68	1/4	631.08	1/4	266.21	1/4		1/4		1/4	
1/2	2,447.36	1/2	2,082.47	1/2	1,717.58	1/2	1,352.70	1/2	988.09	1/2	623.48	1/2	258.61	1/2		1/2		1/2	
3/4	2,439.76	3/4	2,074.87	3/4	1,709.98	3/4	1,345.10	3/4	980.50	3/4	615.88	3/4	251.01	3/4		3/4		3/4	
1	2,432.15	1	2,067.27	1	1,702.38	1	1,337.49	1	972.92	1	608.28	1	243.41	1		1		1	
1/4	2,424.55	1/4	2,059.67	1/4	1,694.78	1/4	1,329.89	1/4	965.33	1/4	600.68	1/4	235.81	1/4		1/4		1/4	
1/2	2,416.95	1/2	2,052.06	1/2	1,687.18	1/2	1,322.29	1/2	957.74	1/2	593.08	1/2	228.21	1/2		1/2		1/2	
3/4	2,409.35	3/4	2,044.46	3/4	1,679.58	3/4	1,314.69	3/4	950.16	3/4	585.48	3/4	220.60	3/4		3/4		3/4	
2	2,401.75	2	2,036.86	2	1,671.97	2	1,307.09	2	942.57	2	577.87	2	213.00	2		2		2	
1/4	2,394.14	1/4	2,029.26	1/4	1,664.37	1/4	1,299.49	1/4	934.98	1/4	570.27	1/4	205.40	1/4		1/4		1/4	
1/2	2,386.54	1/2	2,021.66	1/2	1,656.77	1/2	1,291.88	1/2	927.40	1/2	562.67	1/2	197.80	1/2		1/2		1/2	
3/4	2,378.94	3/4	2,014.05	3/4	1,649.17	3/4	1,284.28	3/4	919.81	3/4	555.07	3/4	190.20	3/4		3/4		3/4	
3	2,371.34	3	2,006.45	3	1,641.57	3	1,276.68	3	912.22	3	547.47	3	182.60	3		3		3	
1/4	2,363.74	1/4	1,998.85	1/4	1,633.96	1/4	1,269.08	1/4	904.64	1/4	539.87	1/4	174.99	1/4		1/4		1/4	
1/2	2,356.14	1/2	1,991.25	1/2	1,626.36	1/2	1,261.48	1/2	897.05	1/2	532.27	1/2	167.39	1/2		1/2		1/2	
3/4	2,348.53	3/4	1,983.65	3/4	1,618.76	3/4	1,253.87	3/4	889.46	3/4	524.66	3/4	159.79	3/4		3/4		3/4	
4	2,340.93	4	1,976.05	4	1,611.16	4	1,246.27	4	881.88	4	517.06	4	152.19	4		4		4	
1/4	2,333.33	1/4	1,968.44	1/4	1,603.56	1/4	1,238.67	1/4	874.29	1/4	509.46	1/4	144.59	1/4		1/4		1/4	
1/2	2,325.73	1/2	1,960.84	1/2	1,595.96	1/2	1,231.07	1/2	866.71	1/2	501.86	1/2	136.99	1/2		1/2		1/2	
3/4	2,318.13	3/4	1,953.24	3/4	1,588.35	3/4	1,223.47	3/4	859.11	3/4	494.26	3/4	129.39	3/4		3/4		3/4	
5	2,310.52	5	1,945.64	5	1,580.75	5	1,215.87	5	851.52	5	486.66	5	121.80	5		5		5	
1/4	2,302.92	1/4	1,938.04	1/4	1,573.15	1/4	1,208.26	1/4	843.92	1/4	479.05	1/4	114.20	1/4		1/4		1/4	
1/2	2,295.32	1/2	1,930.43	1/2	1,565.55	1/2	1,200.66	1/2	836.33	1/2	471.45	1/2	106.61	1/2		1/2		1/2	
3/4	2,287.72	3/4	1,922.83	3/4	1,557.95	3/4	1,193.06	3/4	828.72	3/4	463.85	3/4	99.03	3/4		3/4		3/4	
6	2,280.12	6	1,915.23	6	1,550.34	6	1,185.46	6	821.12	6	456.25	6	91.45	6		6		6	
1/4	2,272.52	1/4	1,907.63	1/4	1,542.74	1/4	1,177.86	1/4	813.52	1/4	448.65	1/4	83.87	1/4		1/4		1/4	
1/2	2,264.91	1/2	1,900.03	1/2	1,535.14	1/2	1,170.25	1/2	805.92	1/2	441.05	1/2	76.30	1/2		1/2		1/2	
3/4	2,257.31	3/4	1,892.43	3/4	1,527.54	3/4	1,162.66	3/4	798.32	3/4	433.45	3/4	69.19	3/4		3/4		3/4	
7	2,249.71	7	1,884.82	7	1,519.94	7	1,155.06	7	790.72	7	425.84	7	62.08	7		7		7	
1/4	2,242.11	1/4	1,877.22	1/4	1,512.34	1/4	1,147.46	1/4	783.11	1/4	418.24	1/4	54.97	1/4		1/4		1/4	
1/2	2,234.51	1/2	1,869.62	1/2	1,504.73	1/2	1,139.86	1/2	775.51	1/2	410.64	1/2	47.87	1/2		1/2		1/2	
3/4	2,226.90	3/4	1,862.02	3/4	1,497.13	3/4	1,132.27	3/4	767.91	3/4	403.04	3/4	42.17	3/4		3/4		3/4	
8	2,219.30	8	1,854.42	8	1,489.53	8	1,124.68	8	760.31	8	395.44	8	36.47	8		8		8	
1/4	2,211.70	1/4	1,846.81	1/4	1,481.93	1/4	1,117.08	1/4	752.71	1/4	387.84	1/4	30.77	1/4		1/4		1/4	
1/2	2,204.10	1/2	1,839.21	1/2	1,474.33	1/2	1,109.49	1/2	745.11	1/2	380.24	1/2	25.07	1/2		1/2		1/2	
3/4	2,196.50	3/4	1,831.61	3/4	1,466.72	3/4	1,101.90	3/4	737.51	3/4	372.63	3/4		3/4		3/4		3/4	
9	2,188.90	9	1,824.01	9	1,459.12	9	1,094.31	9	729.90	9	365.03	9		9		9		9	
1/4	2,181.29	1/4	1,816.41	1/4	1,451.52	1/4	1,086.72	1/4	722.30	1/4	357.43	1/4		1/4		1/4		1/4	
1/2	2,173.69	1/2	1,808.81	1/2	1,443.92	1/2	1,079.13	1/2	714.70	1/2	349.83	1/2		1/2		1/2		1/2	
3/4	2,166.09	3/4	1,801.20	3/4	1,436.32	3/4	1,071.54	3/4	707.10	3/4	342.23	3/4		3/4		3/4		3/4	
10	2,158.49	10	1,793.60	10	1,428.72	10	1,063.95	10	699.50	10	334.63	10		10		10		10	
1/4	2,150.89	1/4	1,786.00	1/4	1,421.11	1/4	1,056.37	1/4	691.90	1/4	327.02	1/4		1/4		1/4		1/4	
1/2	2,143.29	1/2	1,778.40	1/2	1,413.51	1/2	1,048.78	1/2	684.30	1/2	319.42	1/2		1/2		1/2		1/2	
3/4	2,135.68	3/4	1,770.80	3/4	1,405.91	3/4	1,041.19	3/4	676.69	3/4	311.82	3/4		3/4		3/4		3/4	
11	2,128.08	11	1,763.20	11	1,398.31	11	1,033.61	11	669.09	11	304.22	11		11		11		11	
1/4	2,120.48	1/4	1,755.59	1/4	1,390.71	1/4	1,026.02	1/4	661.49	1/4	296.62	1/4		1/4		1/4		1/4	
1/2	2,112.88	1/2	1,747.99	1/2	1,383.11	1/2	1,018.44	1/2	653.89	1/2	289.02	1/2		1/2		1/2		1/2	
3/4	2,105.28	3/4	1,740.39	3/4	1,375.50	3/4	1,010.85	3/4	646.29	3/4	281.42	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2013 CL - SW
NAME CHANGE: 10/05/2023 JS
VERIFIED: 10/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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

BARGE "KIRBY 29087"

FUEL TANK
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 315"

GAUGE HEIGHT 4'-11"

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	171	0	342	0	513	0	684	0		0		0		0		0	
1/4	4	1/4	174	1/4	345	1/4	516	1/4	687	1/4		1/4		1/4		1/4		1/4	
1/2	7	1/2	178	1/2	349	1/2	520	1/2	691	1/2		1/2		1/2		1/2		1/2	
3/4	11	3/4	182	3/4	352	3/4	523	3/4	694	3/4		3/4		3/4		3/4		3/4	
1	14	1	185	1	356	1	527	1	698	1		1		1		1		1	
1/4	18	1/4	189	1/4	360	1/4	531	1/4	701	1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	192	1/2	363	1/2	534	1/2	705	1/2		1/2		1/2		1/2		1/2	
3/4	25	3/4	196	3/4	367	3/4	538	3/4	709	3/4		3/4		3/4		3/4		3/4	
2	28	2	199	2	370	2	541	2	712	2		2		2		2		2	
1/4	32	1/4	203	1/4	374	1/4	545	1/4	716	1/4		1/4		1/4		1/4		1/4	
1/2	36	1/2	207	1/2	377	1/2	548	1/2	719	1/2		1/2		1/2		1/2		1/2	
3/4	39	3/4	210	3/4	381	3/4	552	3/4	723	3/4		3/4		3/4		3/4		3/4	
3	43	3	214	3	385	3	555	3	726	3		3		3		3		3	
1/4	46	1/4	217	1/4	388	1/4	559	1/4	730	1/4		1/4		1/4		1/4		1/4	
1/2	50	1/2	221	1/2	392	1/2	563	1/2	733	1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	224	3/4	395	3/4	566	3/4	737	3/4		3/4		3/4		3/4		3/4	
4	57	4	228	4	399	4	570	4	741	4		4		4		4		4	
1/4	61	1/4	231	1/4	402	1/4	573	1/4	744	1/4		1/4		1/4		1/4		1/4	
1/2	64	1/2	235	1/2	406	1/2	577	1/2	748	1/2		1/2		1/2		1/2		1/2	
3/4	68	3/4	239	3/4	409	3/4	580	3/4	751	3/4		3/4		3/4		3/4		3/4	
5	71	5	242	5	413	5	584	5	755	5		5		5		5		5	
1/4	75	1/4	246	1/4	417	1/4	587	1/4	758	1/4		1/4		1/4		1/4		1/4	
1/2	78	1/2	249	1/2	420	1/2	591	1/2	762	1/2		1/2		1/2		1/2		1/2	
3/4	82	3/4	253	3/4	424	3/4	595	3/4	766	3/4		3/4		3/4		3/4		3/4	
6	85	6	256	6	427	6	598	6	769	6		6		6		6		6	
1/4	89	1/4	260	1/4	431	1/4	602	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	93	1/2	263	1/2	434	1/2	605	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	96	3/4	267	3/4	438	3/4	609	3/4		3/4		3/4		3/4		3/4		3/4	
7	100	7	271	7	442	7	612	7		7		7		7		7		7	
1/4	103	1/4	274	1/4	445	1/4	616	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107	1/2	278	1/2	449	1/2	620	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110	3/4	281	3/4	452	3/4	623	3/4		3/4		3/4		3/4		3/4		3/4	
8	114	8	285	8	456	8	627	8		8		8		8		8		8	
1/4	117	1/4	288	1/4	459	1/4	630	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121	1/2	292	1/2	463	1/2	634	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	125	3/4	296	3/4	466	3/4	637	3/4		3/4		3/4		3/4		3/4		3/4	
9	128	9	299	9	470	9	641	9		9		9		9		9		9	
1/4	132	1/4	303	1/4	474	1/4	644	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	135	1/2	306	1/2	477	1/2	648	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	139	3/4	310	3/4	481	3/4	652	3/4		3/4		3/4		3/4		3/4		3/4	
10	142	10	313	10	484	10	655	10		10		10		10		10		10	
1/4	146	1/4	317	1/4	488	1/4	659	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	150	1/2	320	1/2	491	1/2	662	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153	3/4	324	3/4	495	3/4	666	3/4		3/4		3/4		3/4		3/4		3/4	
11	157	11	328	11	498	11	669	11		11		11		11		11		11	
1/4	160	1/4	331	1/4	502	1/4	673	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164	1/2	335	1/2	506	1/2	676	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167	3/4	338	3/4	509	3/4	680	3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT MANWAY.

STRAPPED: 09/09/2013 CL - SW
NAME CHANGE: 10/05/2023 JS
VERIFIED: 10/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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

BARGE "KIRBY 29087"

PORT SLOP

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 315"

GAUGE HEIGHT 4'-11"

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	1,079	0	2,158	0	3,210	0	4,199	0		0		0		0		0	
1/4	22	1/4	1,101	1/4	2,180	1/4	3,232	1/4	4,218	1/4		1/4		1/4		1/4		1/4	
1/2	45	1/2	1,124	1/2	2,203	1/2	3,253	1/2	4,238	1/2		1/2		1/2		1/2		1/2	
3/4	67	3/4	1,146	3/4	2,225	3/4	3,274	3/4	4,258	3/4		3/4		3/4		3/4		3/4	
1	90	1	1,169	1	2,248	1	3,295	1	4,278	1		1		1		1		1	
1/4	112	1/4	1,191	1/4	2,270	1/4	3,316	1/4	4,298	1/4		1/4		1/4		1/4		1/4	
1/2	135	1/2	1,214	1/2	2,293	1/2	3,337	1/2	4,318	1/2		1/2		1/2		1/2		1/2	
3/4	157	3/4	1,236	3/4	2,315	3/4	3,358	3/4	4,337	3/4		3/4		3/4		3/4		3/4	
2	180	2	1,259	2	2,337	2	3,379	2	4,357	2		2		2		2		2	
1/4	202	1/4	1,281	1/4	2,360	1/4	3,400	1/4	4,377	1/4		1/4		1/4		1/4		1/4	
1/2	225	1/2	1,304	1/2	2,382	1/2	3,421	1/2	4,396	1/2		1/2		1/2		1/2		1/2	
3/4	247	3/4	1,326	3/4	2,404	3/4	3,442	3/4	4,416	3/4		3/4		3/4		3/4		3/4	
3	270	3	1,349	3	2,427	3	3,463	3	4,436	3		3		3		3		3	
1/4	292	1/4	1,371	1/4	2,449	1/4	3,484	1/4	4,455	1/4		1/4		1/4		1/4		1/4	
1/2	315	1/2	1,394	1/2	2,471	1/2	3,505	1/2	4,475	1/2		1/2		1/2		1/2		1/2	
3/4	337	3/4	1,416	3/4	2,493	3/4	3,526	3/4	4,494	3/4		3/4		3/4		3/4		3/4	
4	360	4	1,439	4	2,516	4	3,547	4	4,514	4		4		4		4		4	
1/4	382	1/4	1,461	1/4	2,538	1/4	3,568	1/4	4,533	1/4		1/4		1/4		1/4		1/4	
1/2	405	1/2	1,484	1/2	2,560	1/2	3,588	1/2	4,552	1/2		1/2		1/2		1/2		1/2	
3/4	427	3/4	1,506	3/4	2,582	3/4	3,609	3/4	4,572	3/4		3/4		3/4		3/4		3/4	
5	450	5	1,528	5	2,604	5	3,630	5	4,591	5		5		5		5		5	
1/4	472	1/4	1,551	1/4	2,626	1/4	3,651	1/4	4,602	1/4		1/4		1/4		1/4		1/4	
1/2	495	1/2	1,573	1/2	2,648	1/2	3,671	1/2	4,614	1/2		1/2		1/2		1/2		1/2	
3/4	517	3/4	1,596	3/4	2,670	3/4	3,692	3/4	4,625	3/4		3/4		3/4		3/4		3/4	
6	539	6	1,618	6	2,692	6	3,712	6	4,636	6		6		6		6		6	
1/4	562	1/4	1,641	1/4	2,714	1/4	3,733	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	584	1/2	1,663	1/2	2,736	1/2	3,754	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	607	3/4	1,686	3/4	2,758	3/4	3,774	3/4		3/4		3/4		3/4		3/4		3/4	
7	629	7	1,708	7	2,780	7	3,795	7		7		7		7		7		7	
1/4	652	1/4	1,731	1/4	2,801	1/4	3,815	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	674	1/2	1,753	1/2	2,823	1/2	3,835	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	697	3/4	1,776	3/4	2,845	3/4	3,856	3/4		3/4		3/4		3/4		3/4		3/4	
8	719	8	1,798	8	2,867	8	3,876	8		8		8		8		8		8	
1/4	742	1/4	1,821	1/4	2,888	1/4	3,897	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	764	1/2	1,843	1/2	2,910	1/2	3,917	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	787	3/4	1,866	3/4	2,932	3/4	3,937	3/4		3/4		3/4		3/4		3/4		3/4	
9	809	9	1,888	9	2,953	9	3,958	9		9		9		9		9		9	
1/4	832	1/4	1,911	1/4	2,975	1/4	3,978	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	854	1/2	1,933	1/2	2,996	1/2	3,998	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	877	3/4	1,956	3/4	3,018	3/4	4,018	3/4		3/4		3/4		3/4		3/4		3/4	
10	899	10	1,978	10	3,039	10	4,038	10		10		10		10		10		10	
1/4	922	1/4	2,000	1/4	3,061	1/4	4,058	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	944	1/2	2,023	1/2	3,082	1/2	4,078	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	967	3/4	2,045	3/4	3,104	3/4	4,099	3/4		3/4		3/4		3/4		3/4		3/4	
11	989	11	2,068	11	3,125	11	4,119	11		11		11		11		11		11	
1/4	1,011	1/4	2,090	1/4	3,146	1/4	4,139	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,034	1/2	2,113	1/2	3,168	1/2	4,159	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,056	3/4	2,135	3/4	3,189	3/4	4,179	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 29087"

STBD SLOP
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 315"

GAUGE HEIGHT 4'-11"

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	1,079	0	2,158	0	3,210	0	4,199	0		0		0		0		0	
1/4	22	1/4	1,101	1/4	2,180	1/4	3,232	1/4	4,218	1/4		1/4		1/4		1/4		1/4	
1/2	45	1/2	1,124	1/2	2,203	1/2	3,253	1/2	4,238	1/2		1/2		1/2		1/2		1/2	
3/4	67	3/4	1,146	3/4	2,225	3/4	3,274	3/4	4,258	3/4		3/4		3/4		3/4		3/4	
1	90	1	1,169	1	2,248	1	3,295	1	4,278	1		1		1		1		1	
1/4	112	1/4	1,191	1/4	2,270	1/4	3,316	1/4	4,298	1/4		1/4		1/4		1/4		1/4	
1/2	135	1/2	1,214	1/2	2,293	1/2	3,337	1/2	4,318	1/2		1/2		1/2		1/2		1/2	
3/4	157	3/4	1,236	3/4	2,315	3/4	3,358	3/4	4,337	3/4		3/4		3/4		3/4		3/4	
2	180	2	1,259	2	2,337	2	3,379	2	4,357	2		2		2		2		2	
1/4	202	1/4	1,281	1/4	2,360	1/4	3,400	1/4	4,377	1/4		1/4		1/4		1/4		1/4	
1/2	225	1/2	1,304	1/2	2,382	1/2	3,421	1/2	4,396	1/2		1/2		1/2		1/2		1/2	
3/4	247	3/4	1,326	3/4	2,404	3/4	3,442	3/4	4,416	3/4		3/4		3/4		3/4		3/4	
3	270	3	1,349	3	2,427	3	3,463	3	4,436	3		3		3		3		3	
1/4	292	1/4	1,371	1/4	2,449	1/4	3,484	1/4	4,455	1/4		1/4		1/4		1/4		1/4	
1/2	315	1/2	1,394	1/2	2,471	1/2	3,505	1/2	4,475	1/2		1/2		1/2		1/2		1/2	
3/4	337	3/4	1,416	3/4	2,493	3/4	3,526	3/4	4,494	3/4		3/4		3/4		3/4		3/4	
4	360	4	1,439	4	2,516	4	3,547	4	4,514	4		4		4		4		4	
1/4	382	1/4	1,461	1/4	2,538	1/4	3,568	1/4	4,533	1/4		1/4		1/4		1/4		1/4	
1/2	405	1/2	1,484	1/2	2,560	1/2	3,588	1/2	4,552	1/2		1/2		1/2		1/2		1/2	
3/4	427	3/4	1,506	3/4	2,582	3/4	3,609	3/4	4,572	3/4		3/4		3/4		3/4		3/4	
5	450	5	1,528	5	2,604	5	3,630	5	4,591	5		5		5		5		5	
1/4	472	1/4	1,551	1/4	2,626	1/4	3,651	1/4	4,602	1/4		1/4		1/4		1/4		1/4	
1/2	495	1/2	1,573	1/2	2,648	1/2	3,671	1/2	4,614	1/2		1/2		1/2		1/2		1/2	
3/4	517	3/4	1,596	3/4	2,670	3/4	3,692	3/4	4,625	3/4		3/4		3/4		3/4		3/4	
6	539	6	1,618	6	2,692	6	3,712	6	4,636	6		6		6		6		6	
1/4	562	1/4	1,641	1/4	2,714	1/4	3,733	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	584	1/2	1,663	1/2	2,736	1/2	3,754	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	607	3/4	1,686	3/4	2,758	3/4	3,774	3/4		3/4		3/4		3/4		3/4		3/4	
7	629	7	1,708	7	2,780	7	3,795	7		7		7		7		7		7	
1/4	652	1/4	1,731	1/4	2,801	1/4	3,815	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	674	1/2	1,753	1/2	2,823	1/2	3,835	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	697	3/4	1,776	3/4	2,845	3/4	3,856	3/4		3/4		3/4		3/4		3/4		3/4	
8	719	8	1,798	8	2,867	8	3,876	8		8		8		8		8		8	
1/4	742	1/4	1,821	1/4	2,888	1/4	3,897	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	764	1/2	1,843	1/2	2,910	1/2	3,917	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	787	3/4	1,866	3/4	2,932	3/4	3,937	3/4		3/4		3/4		3/4		3/4		3/4	
9	809	9	1,888	9	2,953	9	3,958	9		9		9		9		9		9	
1/4	832	1/4	1,911	1/4	2,975	1/4	3,978	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	854	1/2	1,933	1/2	2,996	1/2	3,998	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	877	3/4	1,956	3/4	3,018	3/4	4,018	3/4		3/4		3/4		3/4		3/4		3/4	
10	899	10	1,978	10	3,039	10	4,038	10		10		10		10		10		10	
1/4	922	1/4	2,000	1/4	3,061	1/4	4,058	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	944	1/2	2,023	1/2	3,082	1/2	4,078	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	967	3/4	2,045	3/4	3,104	3/4	4,099	3/4		3/4		3/4		3/4		3/4		3/4	
11	989	11	2,068	11	3,125	11	4,119	11		11		11		11		11		11	
1/4	1,011	1/4	2,090	1/4	3,146	1/4	4,139	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,034	1/2	2,113	1/2	3,168	1/2	4,159	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,056	3/4	2,135	3/4	3,189	3/4	4,179	3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT MANWAY.

STRAPPED: 09/09/2013 CL - SW
NAME CHANGE: 10/05/2023 JS
VERIFIED: 10/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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