



BARGE "KIRBY 27010"

ULLAGE TRIM TABLE

FORMERLY: CTCO 320

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

(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 - 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 237'-06"

January 3, 2024

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27010"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 320"

GAUGE HEIGHT 16'-04 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	4,139.40	0	3,877.71	0	3,588.38	0	3,277.75	0	2,949.14	0	2,617.86	0	2,286.58		
1/4		1/4		1/4		1/4	4,132.94	1/4	3,871.92	1/4	3,582.12	1/4	3,271.07	1/4	2,942.24	1/4	2,610.96	1/4	2,279.68		
1/2		1/2		1/2		1/2	4,127.93	1/2	3,866.09	1/2	3,575.83	1/2	3,264.36	1/2	2,935.33	1/2	2,604.06	1/2	2,272.78		
3/4		3/4		3/4		3/4	4,122.91	3/4	3,860.27	3/4	3,569.54	3/4	3,257.65	3/4	2,928.43	3/4	2,597.16	3/4	2,265.88		
1		1		1		1	4,117.90	1	3,854.44	1	3,563.25	1	3,250.94	1	2,921.53	1	2,590.25	1	2,258.98		
1/4		1/4		1/4		1/4	4,112.89	1/4	3,848.61	1/4	3,556.96	1/4	3,244.23	1/4	2,914.63	1/4	2,583.35	1/4	2,252.08		
1/2		1/2		1/2		1/2	4,107.85	1/2	3,842.76	1/2	3,550.64	1/2	3,237.47	1/2	2,907.73	1/2	2,576.45	1/2	2,245.17		
3/4		3/4		3/4		3/4	4,102.81	3/4	3,836.90	3/4	3,544.31	3/4	3,230.72	3/4	2,900.83	3/4	2,569.55	3/4	2,238.27		
2		2		2		2	4,097.77	2	3,831.04	2	3,537.99	2	3,223.97	2	2,893.93	2	2,562.65	2	2,231.37		
1/4		1/4		1/4		1/4	4,092.72	1/4	3,825.18	1/4	3,531.67	1/4	3,217.21	1/4	2,887.02	1/4	2,555.75	1/4	2,224.47		
1/2		1/2		1/2		1/2	4,087.64	1/2	3,819.28	1/2	3,525.31	1/2	3,210.43	1/2	2,880.12	1/2	2,548.85	1/2	2,217.57		
3/4		3/4		3/4		3/4	4,082.55	3/4	3,813.38	3/4	3,518.94	3/4	3,203.65	3/4	2,873.22	3/4	2,541.94	3/4	2,210.67		
3		3		3		3	4,077.47	3	3,807.48	3	3,512.58	3	3,196.86	3	2,866.32	3	2,535.04	3	2,203.77		
1/4		1/4		1/4		1/4	4,072.38	1/4	3,801.58	1/4	3,506.22	1/4	3,190.08	1/4	2,859.42	1/4	2,528.14	1/4	2,196.86		
1/2		1/2		1/2		1/2	4,067.27	1/2	3,795.65	1/2	3,499.84	1/2	3,183.27	1/2	2,852.52	1/2	2,521.24	1/2	2,189.96		
3/4		3/4		3/4		3/4	4,062.16	3/4	3,789.73	3/4	3,493.45	3/4	3,176.45	3/4	2,845.61	3/4	2,514.34	3/4	2,183.06		
4		4		4		4	4,057.04	4	3,783.80	4	3,487.07	4	3,169.64	4	2,838.71	4	2,507.44	4	2,176.16		
1/4		1/4		1/4		1/4	4,051.93	1/4	3,777.87	1/4	3,480.68	1/4	3,162.82	1/4	2,831.81	1/4	2,500.53	1/4	2,169.26		
1/2		1/2		1/2		1/2	4,046.78	1/2	3,771.88	1/2	3,474.26	1/2	3,155.97	1/2	2,824.91	1/2	2,493.63	1/2	2,162.36		
3/4		3/4		3/4		3/4	4,041.64	3/4	3,765.90	3/4	3,467.83	3/4	3,149.12	3/4	2,818.01	3/4	2,486.73	3/4	2,155.45		
5		5		5		5	4,036.49	5	3,759.92	5	3,461.41	5	3,142.26	5	2,811.11	5	2,479.83	5	2,148.55		
1/4		1/4		1/4		1/4	4,031.35	1/4	3,753.94	1/4	3,454.98	1/4	3,135.41	1/4	2,804.20	1/4	2,472.93	1/4	2,141.65		
1/2		1/2		1/2		1/2	4,025.76	1/2	3,747.93	1/2	3,448.53	1/2	3,128.53	1/2	2,797.30	1/2	2,466.03	1/2	2,134.75		
3/4		3/4		3/4		3/4	4,020.17	3/4	3,741.91	3/4	3,442.07	3/4	3,121.64	3/4	2,790.40	3/4	2,459.12	3/4	2,127.85		
6		6		6		6	4,014.58	6	3,735.90	6	3,435.62	6	3,114.76	6	2,783.50	6	2,452.22	6	2,120.95		
1/4		1/4		1/4		1/4	4,288.43	1/4	4,008.99	1/4	3,729.89	1/4	3,429.16	1/4	3,107.87	1/4	2,776.60	1/4	2,445.32	1/4	2,114.04
1/2		1/2		1/2		1/2	4,281.93	1/2	4,003.37	1/2	3,723.85	1/2	3,422.66	1/2	3,100.97	1/2	2,769.70	1/2	2,438.42	1/2	2,107.14
3/4		3/4		3/4		3/4	4,275.44	3/4	3,997.74	3/4	3,717.81	3/4	3,416.16	3/4	3,094.07	3/4	2,762.79	3/4	2,431.52	3/4	2,100.24
7		7		7		7	4,268.94	7	3,992.12	7	3,711.77	7	3,409.66	7	3,087.17	7	2,755.89	7	2,424.62	7	2,093.34
1/4		1/4		1/4		1/4	4,262.45	1/4	3,986.50	1/4	3,705.72	1/4	3,403.17	1/4	3,080.27	1/4	2,748.99	1/4	2,417.71	1/4	2,086.44
1/2		1/2		1/2		1/2	4,255.95	1/2	3,980.84	1/2	3,699.64	1/2	3,396.64	1/2	3,073.37	1/2	2,742.09	1/2	2,410.81	1/2	2,079.54
3/4		3/4		3/4		3/4	4,249.45	3/4	3,975.17	3/4	3,693.56	3/4	3,390.11	3/4	3,066.47	3/4	2,735.19	3/4	2,403.91	3/4	2,072.63
8		8		8		8	4,242.96	8	3,969.51	8	3,687.48	8	3,383.58	8	3,059.56	8	2,728.29	8	2,397.01	8	2,065.73
1/4		1/4		1/4		1/4	4,236.46	1/4	3,963.85	1/4	3,681.40	1/4	3,377.06	1/4	3,052.66	1/4	2,721.39	1/4	2,390.11	1/4	2,058.83
1/2		1/2		1/2		1/2	4,229.97	1/2	3,958.15	1/2	3,675.25	1/2	3,370.49	1/2	3,045.76	1/2	2,714.48	1/2	2,383.21	1/2	2,051.93
3/4		3/4		3/4		3/4	4,223.47	3/4	3,952.46	3/4	3,669.10	3/4	3,363.92	3/4	3,038.86	3/4	2,707.58	3/4	2,376.31	3/4	2,045.03
9		9		9		9	4,216.97	9	3,946.77	9	3,662.95	9	3,357.35	9	3,031.96	9	2,700.68	9	2,369.40	9	2,038.13
1/4		1/4		1/4		1/4	4,210.48	1/4	3,941.07	1/4	3,656.80	1/4	3,350.78	1/4	3,025.06	1/4	2,693.78	1/4	2,362.50	1/4	2,031.23
1/2		1/2		1/2		1/2	4,204.02	1/2	3,935.34	1/2	3,650.61	1/2	3,344.18	1/2	3,018.15	1/2	2,686.88	1/2	2,355.60	1/2	2,024.32
3/4		3/4		3/4		3/4	4,197.55	3/4	3,929.60	3/4	3,644.43	3/4	3,337.57	3/4	3,011.25	3/4	2,679.98	3/4	2,348.70	3/4	2,017.42
10		10		10		10	4,191.09	10	3,923.86	10	3,638.24	10	3,330.96	10	3,004.35	10	2,673.07	10	2,341.80	10	2,010.52
1/4		1/4		1/4		1/4	4,184.63	1/4	3,918.13	1/4	3,632.05	1/4	3,324.35	1/4	2,997.45	1/4	2,666.17	1/4	2,334.90	1/4	2,003.62
1/2		1/2		1/2		1/2	4,178.17	1/2	3,912.36	1/2	3,625.83	1/2	3,317.71	1/2	2,990.55	1/2	2,659.27	1/2	2,327.99	1/2	1,996.72
3/4		3/4		3/4		3/4	4,171.71	3/4	3,906.60	3/4	3,619.61	3/4	3,311.07	3/4	2,983.65	3/4	2,652.37	3/4	2,321.09	3/4	1,989.82
11		11		11		11	4,165.25	11	3,900.83	11	3,613.39	11	3,304.43	11	2,976.74	11	2,645.47	11	2,314.19	11	1,982.91
1/4		1/4		1/4		1/4	4,158.78	1/4	3,895.07	1/4	3,607.17	1/4	3,297.79	1/4	2,969.84	1/4	2,638.57	1/4	2,307.29	1/4	1,976.01
1/2		1/2		1/2		1/2	4,152.32	1/2	3,889.28	1/2	3,600.91	1/2	3,291.11	1/2	2,962.94	1/2	2,631.66	1/2	2,300.39	1/2	1,969.11
3/4		3/4		3/4		3/4	4,145.86	3/4	3,883.49	3/4	3,594.65	3/4	3,284.43	3/4	2,956.04	3/4	2,624.76	3/4	2,293.49	3/4	1,962.21

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'-03" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 27010"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 320"

GAUGE HEIGHT 16'-04 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	1,955.31	0	1,624.03	0	1,292.75	0	962.10	0	647.67	0	357.96	0	89.87	0		0		0	
1/4	1,948.41	1/4	1,617.13	1/4	1,285.85	1/4	955.30	1/4	641.35	1/4	352.15	1/4	84.52	1/4		1/4		1/4	
1/2	1,941.50	1/2	1,610.23	1/2	1,278.95	1/2	948.54	1/2	635.07	1/2	346.37	1/2	79.20	1/2		1/2		1/2	
3/4	1,934.60	3/4	1,603.33	3/4	1,272.05	3/4	941.78	3/4	628.79	3/4	340.60	3/4	73.88	3/4		3/4		3/4	
1	1,927.70	1	1,596.42	1	1,265.15	1	935.01	1	622.51	1	334.82	1	68.56	1		1		1	
1/4	1,920.80	1/4	1,589.52	1/4	1,258.25	1/4	928.25	1/4	616.23	1/4	329.05	1/4	63.25	1/4		1/4		1/4	
1/2	1,913.90	1/2	1,582.62	1/2	1,251.34	1/2	921.53	1/2	610.02	1/2	323.29	1/2	57.97	1/2		1/2		1/2	
3/4	1,907.00	3/4	1,575.72	3/4	1,244.44	3/4	914.81	3/4	603.82	3/4	317.53	3/4	52.69	3/4		3/4		3/4	
2	1,900.09	2	1,568.82	2	1,237.54	2	908.09	2	597.61	2	311.77	2	47.42	2		2		2	
1/4	1,893.19	1/4	1,561.92	1/4	1,230.64	1/4	901.37	1/4	591.40	1/4	306.02	1/4	42.14	1/4		1/4		1/4	
1/2	1,886.29	1/2	1,555.01	1/2	1,223.74	1/2	894.69	1/2	585.24	1/2	300.30	1/2	37.77	1/2		1/2		1/2	
3/4	1,879.39	3/4	1,548.11	3/4	1,216.84	3/4	888.01	3/4	579.08	3/4	294.58	3/4	33.39	3/4		3/4		3/4	
3	1,872.49	3	1,541.21	3	1,209.93	3	881.33	3	572.92	3	288.86	3	29.02	3		3		3	
1/4	1,865.59	1/4	1,534.31	1/4	1,203.03	1/4	874.65	1/4	566.76	1/4	283.14	1/4	24.64	1/4		1/4		1/4	
1/2	1,858.69	1/2	1,527.41	1/2	1,196.13	1/2	868.00	1/2	560.64	1/2	277.47	1/2	22.03	1/2		1/2		1/2	
3/4	1,851.78	3/4	1,520.51	3/4	1,189.23	3/4	861.36	3/4	554.52	3/4	271.79	3/4	19.42	3/4		3/4		3/4	
4	1,844.88	4	1,513.61	4	1,182.33	4	854.72	4	548.40	4	266.11	4	16.82	4		4		4	
1/4	1,837.98	1/4	1,506.70	1/4	1,175.43	1/4	848.08	1/4	542.28	1/4	260.43	1/4	14.20	1/4		1/4		1/4	
1/2	1,831.08	1/2	1,499.80	1/2	1,168.53	1/2	841.48	1/2	536.20	1/2	254.79	1/2		1/2		1/2		1/2	
3/4	1,824.18	3/4	1,492.90	3/4	1,161.62	3/4	834.88	3/4	530.13	3/4	249.16	3/4		3/4		3/4		3/4	
5	1,817.28	5	1,486.00	5	1,154.72	5	828.28	5	524.05	5	243.52	5		5		5		5	
1/4	1,810.37	1/4	1,479.10	1/4	1,147.82	1/4	821.68	1/4	517.97	1/4	237.88	1/4		1/4		1/4		1/4	
1/2	1,803.47	1/2	1,472.20	1/2	1,140.92	1/2	815.12	1/2	511.93	1/2	232.28	1/2		1/2		1/2		1/2	
3/4	1,796.57	3/4	1,465.29	3/4	1,134.02	3/4	808.56	3/4	505.89	3/4	226.69	3/4		3/4		3/4		3/4	
6	1,789.67	6	1,458.39	6	1,127.12	6	802.00	6	499.85	6	221.09	6		6		6		6	
1/4	1,782.77	1/4	1,451.49	1/4	1,120.21	1/4	795.44	1/4	493.81	1/4	215.49	1/4		1/4		1/4		1/4	
1/2	1,775.87	1/2	1,444.59	1/2	1,113.31	1/2	788.92	1/2	487.81	1/2	209.93	1/2		1/2		1/2		1/2	
3/4	1,768.96	3/4	1,437.69	3/4	1,106.41	3/4	782.40	3/4	481.81	3/4	204.37	3/4		3/4		3/4		3/4	
7	1,762.06	7	1,430.79	7	1,099.51	7	775.87	7	475.81	7	198.82	7		7		7		7	
1/4	1,755.16	1/4	1,423.88	1/4	1,092.61	1/4	769.35	1/4	469.81	1/4	193.26	1/4		1/4		1/4		1/4	
1/2	1,748.26	1/2	1,416.98	1/2	1,085.71	1/2	762.87	1/2	463.85	1/2	187.74	1/2		1/2		1/2		1/2	
3/4	1,741.36	3/4	1,410.08	3/4	1,078.80	3/4	756.39	3/4	457.90	3/4	182.22	3/4		3/4		3/4		3/4	
8	1,734.46	8	1,403.18	8	1,071.90	8	749.91	8	451.94	8	176.71	8		8		8		8	
1/4	1,727.55	1/4	1,396.28	1/4	1,065.00	1/4	743.43	1/4	445.98	1/4	171.19	1/4		1/4		1/4		1/4	
1/2	1,720.65	1/2	1,389.38	1/2	1,058.10	1/2	736.99	1/2	440.06	1/2	165.71	1/2		1/2		1/2		1/2	
3/4	1,713.75	3/4	1,382.47	3/4	1,051.20	3/4	730.55	3/4	434.14	3/4	160.24	3/4		3/4		3/4		3/4	
9	1,706.85	9	1,375.57	9	1,044.30	9	724.11	9	428.22	9	154.76	9		9		9		9	
1/4	1,699.95	1/4	1,368.67	1/4	1,037.39	1/4	717.67	1/4	422.30	1/4	149.28	1/4		1/4		1/4		1/4	
1/2	1,693.05	1/2	1,361.77	1/2	1,030.51	1/2	711.27	1/2	416.42	1/2	143.84	1/2		1/2		1/2		1/2	
3/4	1,686.15	3/4	1,354.87	3/4	1,023.63	3/4	704.87	3/4	410.54	3/4	138.41	3/4		3/4		3/4		3/4	
10	1,679.24	10	1,347.97	10	1,016.75	10	698.47	10	404.67	10	132.97	10		10		10		10	
1/4	1,672.34	1/4	1,341.07	1/4	1,009.87	1/4	692.07	1/4	398.79	1/4	127.53	1/4		1/4		1/4		1/4	
1/2	1,665.44	1/2	1,334.16	1/2	1,003.03	1/2	685.71	1/2	392.94	1/2	122.13	1/2		1/2		1/2		1/2	
3/4	1,658.54	3/4	1,327.26	3/4	996.19	3/4	679.35	3/4	387.09	3/4	116.74	3/4		3/4		3/4		3/4	
11	1,651.64	11	1,320.36	11	989.34	11	672.99	11	381.25	11	111.34	11		11		11		11	
1/4	1,644.74	1/4	1,313.46	1/4	982.50	1/4	666.63	1/4	375.40	1/4	105.94	1/4		1/4		1/4		1/4	
1/2	1,637.83	1/2	1,306.56	1/2	975.70	1/2	660.31	1/2	369.59	1/2	100.59	1/2		1/2		1/2		1/2	
3/4	1,630.93	3/4	1,299.66	3/4	968.90	3/4	653.99	3/4	363.77	3/4	95.23	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024



BARGE "KIRBY 27010"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "CTCO 320"

GAUGE HEIGHT 16'-04 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	4,136.47	0	3,875.08	0	3,586.06	0	3,275.73	0	2,947.41	0	2,616.44	0	2,285.47
1/4		1/4		1/4		1/4	4,130.01	1/4	3,869.30	1/4	3,579.80	1/4	3,269.06	1/4	2,940.51	1/4	2,609.54	1/4	2,278.58
1/2		1/2		1/2		1/2	4,125.01	1/2	3,863.48	1/2	3,573.52	1/2	3,262.35	1/2	2,933.62	1/2	2,602.65	1/2	2,271.68
3/4		3/4		3/4		3/4	4,120.00	3/4	3,857.66	3/4	3,567.23	3/4	3,255.65	3/4	2,926.72	3/4	2,595.75	3/4	2,264.78
1		1		1		1	4,115.00	1	3,851.84	1	3,560.95	1	3,248.94	1	2,919.83	1	2,588.86	1	2,257.89
1/4		1/4		1/4		1/4	4,109.99	1/4	3,846.02	1/4	3,554.67	1/4	3,242.24	1/4	2,912.93	1/4	2,581.96	1/4	2,250.99
1/2		1/2		1/2		1/2	4,104.95	1/2	3,840.17	1/2	3,548.35	1/2	3,235.49	1/2	2,906.04	1/2	2,575.07	1/2	2,244.10
3/4		3/4		3/4		3/4	4,099.92	3/4	3,834.31	3/4	3,542.03	3/4	3,228.74	3/4	2,899.14	3/4	2,568.17	3/4	2,237.20
2		2		2		2	4,094.88	2	3,828.46	2	3,535.72	2	3,222.00	2	2,892.25	2	2,561.28	2	2,230.31
1/4		1/4		1/4		1/4	4,089.85	1/4	3,822.61	1/4	3,529.40	1/4	3,215.25	1/4	2,885.35	1/4	2,554.38	1/4	2,223.41
1/2		1/2		1/2		1/2	4,084.77	1/2	3,816.72	1/2	3,523.05	1/2	3,208.47	1/2	2,878.46	1/2	2,547.49	1/2	2,216.52
3/4		3/4		3/4		3/4	4,079.69	3/4	3,810.82	3/4	3,516.69	3/4	3,201.70	3/4	2,871.56	3/4	2,540.59	3/4	2,209.62
3		3		3		3	4,074.61	3	3,804.93	3	3,510.33	3	3,194.92	3	2,864.67	3	2,533.70	3	2,202.73
1/4		1/4		1/4		1/4	4,069.53	1/4	3,799.04	1/4	3,503.98	1/4	3,188.14	1/4	2,857.77	1/4	2,526.80	1/4	2,195.83
1/2		1/2		1/2		1/2	4,064.43	1/2	3,793.11	1/2	3,497.60	1/2	3,181.34	1/2	2,850.88	1/2	2,519.91	1/2	2,188.94
3/4		3/4		3/4		3/4	4,059.32	3/4	3,787.19	3/4	3,491.22	3/4	3,174.53	3/4	2,843.98	3/4	2,513.01	3/4	2,182.04
4		4		4		4	4,054.21	4	3,781.27	4	3,484.84	4	3,167.72	4	2,837.09	4	2,506.12	4	2,175.15
1/4		1/4		1/4		1/4	4,049.10	1/4	3,775.34	1/4	3,478.47	1/4	3,160.91	1/4	2,830.19	1/4	2,499.22	1/4	2,168.25
1/2		1/2		1/2		1/2	4,043.97	1/2	3,769.37	1/2	3,472.05	1/2	3,154.07	1/2	2,823.30	1/2	2,492.33	1/2	2,161.36
3/4		3/4		3/4		3/4	4,038.83	3/4	3,763.39	3/4	3,465.63	3/4	3,147.22	3/4	2,816.40	3/4	2,485.43	3/4	2,154.46
5		5		5		5	4,033.69	5	3,757.42	5	3,459.21	5	3,140.37	5	2,809.51	5	2,478.54	5	2,147.57
1/4		1/4		1/4		1/4	4,028.55	1/4	3,751.44	1/4	3,452.79	1/4	3,133.52	1/4	2,802.61	1/4	2,471.64	1/4	2,140.67
1/2		1/2		1/2		1/2	4,022.96	1/2	3,745.44	1/2	3,446.34	1/2	3,126.64	1/2	2,795.72	1/2	2,464.75	1/2	2,133.78
3/4		3/4		3/4		3/4	4,017.38	3/4	3,739.43	3/4	3,439.89	3/4	3,119.76	3/4	2,788.82	3/4	2,457.85	3/4	2,126.88
6		6		6		6	4,011.80	6	3,733.43	6	3,433.44	6	3,112.88	6	2,781.92	6	2,450.96	6	2,119.99
1/4		1/4		1/4		1/4	4,285.35	1/4	4,006.21	1/4	3,727.42	1/4	3,426.99	1/4	3,106.00	1/4	2,775.03	1/4	2,444.06
1/2		1/2		1/2		1/2	4,278.86	1/2	4,000.60	1/2	3,721.39	1/2	3,420.50	1/2	3,099.10	1/2	2,768.13	1/2	2,437.16
3/4		3/4		3/4		3/4	4,272.37	3/4	3,994.98	3/4	3,715.35	3/4	3,414.01	3/4	3,092.21	3/4	2,761.24	3/4	2,430.27
7		7		7		7	4,265.88	7	3,989.37	7	3,709.31	7	3,407.52	7	3,085.31	7	2,754.34	7	2,423.37
1/4		1/4		1/4		1/4	4,259.39	1/4	3,983.75	1/4	3,703.28	1/4	3,401.02	1/4	3,078.42	1/4	2,747.45	1/4	2,416.48
1/2		1/2		1/2		1/2	4,252.90	1/2	3,978.09	1/2	3,697.20	1/2	3,394.50	1/2	3,071.52	1/2	2,740.55	1/2	2,409.58
3/4		3/4		3/4		3/4	4,246.41	3/4	3,972.44	3/4	3,691.13	3/4	3,387.98	3/4	3,064.63	3/4	2,733.66	3/4	2,402.69
8		8		8		8	4,239.92	8	3,966.78	8	3,685.05	8	3,381.46	8	3,057.73	8	2,726.76	8	2,395.79
1/4		1/4		1/4		1/4	4,233.43	1/4	3,961.12	1/4	3,678.98	1/4	3,374.94	1/4	3,050.84	1/4	2,719.87	1/4	2,388.90
1/2		1/2		1/2		1/2	4,226.94	1/2	3,955.44	1/2	3,672.83	1/2	3,368.38	1/2	3,043.94	1/2	2,712.97	1/2	2,382.00
3/4		3/4		3/4		3/4	4,220.45	3/4	3,949.75	3/4	3,666.69	3/4	3,361.82	3/4	3,037.05	3/4	2,706.08	3/4	2,375.11
9		9		9		9	4,213.96	9	3,944.06	9	3,660.55	9	3,355.26	9	3,030.15	9	2,699.18	9	2,368.21
1/4		1/4		1/4		1/4	4,207.47	1/4	3,938.38	1/4	3,654.41	1/4	3,348.69	1/4	3,023.26	1/4	2,692.29	1/4	2,361.32
1/2		1/2		1/2		1/2	4,201.02	1/2	3,932.65	1/2	3,648.23	1/2	3,342.09	1/2	3,016.36	1/2	2,685.39	1/2	2,354.42
3/4		3/4		3/4		3/4	4,194.56	3/4	3,926.92	3/4	3,642.04	3/4	3,335.49	3/4	3,009.47	3/4	2,678.50	3/4	2,347.53
10		10		10		10	4,188.11	10	3,921.18	10	3,635.86	10	3,328.89	10	3,002.57	10	2,671.60	10	2,340.63
1/4		1/4		1/4		1/4	4,181.65	1/4	3,915.45	1/4	3,629.68	1/4	3,322.29	1/4	2,995.68	1/4	2,664.71	1/4	2,333.74
1/2		1/2		1/2		1/2	4,175.20	1/2	3,909.70	1/2	3,623.47	1/2	3,315.65	1/2	2,988.78	1/2	2,657.81	1/2	2,326.84
3/4		3/4		3/4		3/4	4,168.74	3/4	3,903.94	3/4	3,617.25	3/4	3,309.02	3/4	2,981.89	3/4	2,650.92	3/4	2,319.95
11		11		11		11	4,162.29	11	3,898.18	11	3,611.04	11	3,302.39	11	2,974.99	11	2,644.02	11	2,313.05
1/4		1/4		1/4		1/4	4,155.83	1/4	3,892.42	1/4	3,604.83	1/4	3,295.75	1/4	2,968.10	1/4	2,637.13	1/4	2,306.16
1/2		1/2		1/2		1/2	4,149.38	1/2	3,886.64	1/2	3,598.57	1/2	3,289.08	1/2	2,961.20	1/2	2,630.23	1/2	2,299.26
3/4		3/4		3/4		3/4	4,142.92	3/4	3,880.86	3/4	3,592.32	3/4	3,282.41	3/4	2,954.30	3/4	2,623.34	3/4	2,292.37

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'-03" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 27010"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "CTCO 320"

GAUGE HEIGHT 16'-04 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	1,954.50	0	1,623.53	0	1,292.56	0	962.21	0	648.09	0	357.66	0	89.76	0		0		0	
1/4	1,947.61	1/4	1,616.64	1/4	1,285.67	1/4	955.42	1/4	641.78	1/4	351.83	1/4	84.41	1/4		1/4		1/4	
1/2	1,940.71	1/2	1,609.74	1/2	1,278.77	1/2	948.66	1/2	635.50	1/2	346.03	1/2	79.10	1/2		1/2		1/2	
3/4	1,933.82	3/4	1,602.85	3/4	1,271.88	3/4	941.91	3/4	629.23	3/4	340.24	3/4	73.78	3/4		3/4		3/4	
1	1,926.92	1	1,595.95	1	1,264.98	1	935.15	1	622.96	1	334.45	1	68.47	1		1		1	
1/4	1,920.02	1/4	1,589.06	1/4	1,258.09	1/4	928.40	1/4	616.68	1/4	328.66	1/4	63.16	1/4		1/4		1/4	
1/2	1,913.13	1/2	1,582.16	1/2	1,251.19	1/2	921.68	1/2	610.46	1/2	322.91	1/2	57.89	1/2		1/2		1/2	
3/4	1,906.23	3/4	1,575.26	3/4	1,244.30	3/4	914.97	3/4	604.23	3/4	317.16	3/4	52.62	3/4		3/4		3/4	
2	1,899.34	2	1,568.37	2	1,237.40	2	908.26	2	598.01	2	311.40	2	47.35	2		2		2	
1/4	1,892.44	1/4	1,561.47	1/4	1,230.50	1/4	901.54	1/4	591.78	1/4	305.65	1/4	42.08	1/4		1/4		1/4	
1/2	1,885.55	1/2	1,554.58	1/2	1,223.61	1/2	894.87	1/2	585.61	1/2	299.94	1/2	37.71	1/2		1/2		1/2	
3/4	1,878.65	3/4	1,547.68	3/4	1,216.71	3/4	888.19	3/4	579.43	3/4	294.23	3/4	33.34	3/4		3/4		3/4	
3	1,871.76	3	1,540.79	3	1,209.82	3	881.52	3	573.25	3	288.52	3	28.97	3		3		3	
1/4	1,864.86	1/4	1,533.89	1/4	1,202.92	1/4	874.84	1/4	567.07	1/4	282.80	1/4	24.60	1/4		1/4		1/4	
1/2	1,857.97	1/2	1,527.00	1/2	1,196.03	1/2	868.21	1/2	560.94	1/2	277.13	1/2	22.00	1/2		1/2		1/2	
3/4	1,851.07	3/4	1,520.10	3/4	1,189.13	3/4	861.57	3/4	554.80	3/4	271.46	3/4	19.40	3/4		3/4		3/4	
4	1,844.18	4	1,513.21	4	1,182.24	4	854.94	4	548.66	4	265.79	4	16.79	4		4		4	
1/4	1,837.28	1/4	1,506.31	1/4	1,175.34	1/4	848.30	1/4	542.53	1/4	260.12	1/4	14.19	1/4		1/4		1/4	
1/2	1,830.39	1/2	1,499.42	1/2	1,168.45	1/2	841.71	1/2	536.43	1/2	254.49	1/2		1/2		1/2		1/2	
3/4	1,823.49	3/4	1,492.52	3/4	1,161.55	3/4	835.12	3/4	530.33	3/4	248.86	3/4		3/4		3/4		3/4	
5	1,816.60	5	1,485.63	5	1,154.66	5	828.52	5	524.23	5	243.22	5		5		5		5	
1/4	1,809.70	1/4	1,478.73	1/4	1,147.76	1/4	821.93	1/4	518.14	1/4	237.59	1/4		1/4		1/4		1/4	
1/2	1,802.81	1/2	1,471.84	1/2	1,140.87	1/2	815.37	1/2	512.08	1/2	232.00	1/2		1/2		1/2		1/2	
3/4	1,795.91	3/4	1,464.94	3/4	1,133.97	3/4	808.82	3/4	506.02	3/4	226.41	3/4		3/4		3/4		3/4	
6	1,789.02	6	1,458.05	6	1,127.08	6	802.26	6	499.97	6	220.82	6		6		6		6	
1/4	1,782.12	1/4	1,451.15	1/4	1,120.18	1/4	795.71	1/4	493.91	1/4	215.23	1/4		1/4		1/4		1/4	
1/2	1,775.23	1/2	1,444.26	1/2	1,113.29	1/2	789.20	1/2	487.89	1/2	209.68	1/2		1/2		1/2		1/2	
3/4	1,768.33	3/4	1,437.36	3/4	1,106.39	3/4	782.68	3/4	481.88	3/4	204.13	3/4		3/4		3/4		3/4	
7	1,761.44	7	1,430.47	7	1,099.50	7	776.17	7	475.86	7	198.57	7		7		7		7	
1/4	1,754.54	1/4	1,423.57	1/4	1,092.60	1/4	769.65	1/4	469.84	1/4	193.02	1/4		1/4		1/4		1/4	
1/2	1,747.64	1/2	1,416.68	1/2	1,085.71	1/2	763.18	1/2	463.87	1/2	187.51	1/2		1/2		1/2		1/2	
3/4	1,740.75	3/4	1,409.78	3/4	1,078.81	3/4	756.70	3/4	457.89	3/4	182.00	3/4		3/4		3/4		3/4	
8	1,733.85	8	1,402.88	8	1,071.92	8	750.23	8	451.92	8	176.49	8		8		8		8	
1/4	1,726.96	1/4	1,395.99	1/4	1,065.02	1/4	743.76	1/4	445.94	1/4	170.98	1/4		1/4		1/4		1/4	
1/2	1,720.06	1/2	1,389.09	1/2	1,058.12	1/2	737.32	1/2	440.00	1/2	165.51	1/2		1/2		1/2		1/2	
3/4	1,713.17	3/4	1,382.20	3/4	1,051.23	3/4	730.89	3/4	434.07	3/4	160.04	3/4		3/4		3/4		3/4	
9	1,706.27	9	1,375.30	9	1,044.33	9	724.45	9	428.13	9	154.57	9		9		9		9	
1/4	1,699.38	1/4	1,368.41	1/4	1,037.44	1/4	718.02	1/4	422.19	1/4	149.09	1/4		1/4		1/4		1/4	
1/2	1,692.48	1/2	1,361.51	1/2	1,030.56	1/2	711.63	1/2	416.30	1/2	143.66	1/2		1/2		1/2		1/2	
3/4	1,685.59	3/4	1,354.62	3/4	1,023.69	3/4	705.23	3/4	410.40	3/4	138.23	3/4		3/4		3/4		3/4	
10	1,678.69	10	1,347.72	10	1,016.81	10	698.84	10	404.50	10	132.80	10		10		10		10	
1/4	1,671.80	1/4	1,340.83	1/4	1,009.94	1/4	692.45	1/4	398.61	1/4	127.37	1/4		1/4		1/4		1/4	
1/2	1,664.90	1/2	1,333.93	1/2	1,003.10	1/2	686.09	1/2	392.74	1/2	121.98	1/2		1/2		1/2		1/2	
3/4	1,658.01	3/4	1,327.04	3/4	996.27	3/4	679.74	3/4	386.88	3/4	116.59	3/4		3/4		3/4		3/4	
11	1,651.11	11	1,320.14	11	989.43	11	673.38	11	381.02	11	111.20	11		11		11		11	
1/4	1,644.22	1/4	1,313.25	1/4	982.60	1/4	667.03	1/4	375.15	1/4	105.81	1/4		1/4		1/4		1/4	
1/2	1,637.32	1/2	1,306.35	1/2	975.80	1/2	660.72	1/2	369.32	1/2	100.46	1/2		1/2		1/2		1/2	
3/4	1,630.43	3/4	1,299.46	3/4	969.01	3/4	654.40	3/4	363.49	3/4	95.11	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024



BARGE "KIRBY 27010"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "CTCO 320"

GAUGE HEIGHT 16'-04 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	5,002.77	0	4,696.64	0	4,358.18	0	3,994.78	0	3,610.34	0	3,222.79	0	2,835.23		
1/4		1/4		1/4		1/4	4,995.21	1/4	4,689.87	1/4	4,350.85	1/4	3,986.96	1/4	3,602.26	1/4	3,214.71	1/4	2,827.16		
1/2		1/2		1/2		1/2	4,989.35	1/2	4,683.05	1/2	4,343.49	1/2	3,979.11	1/2	3,594.19	1/2	3,206.64	1/2	2,819.09		
3/4		3/4		3/4		3/4	4,983.48	3/4	4,676.24	3/4	4,336.13	3/4	3,971.26	3/4	3,586.12	3/4	3,198.56	3/4	2,811.01		
1		1		1		1	4,977.62	1	4,669.42	1	4,328.77	1	3,963.41	1	3,578.04	1	3,190.49	1	2,802.94		
1/4		1/4		1/4		1/4	4,971.76	1/4	4,662.60	1/4	4,321.41	1/4	3,955.56	1/4	3,569.97	1/4	3,182.42	1/4	2,794.86		
1/2		1/2		1/2		1/2	4,965.86	1/2	4,655.75	1/2	4,314.02	1/2	3,947.65	1/2	3,561.89	1/2	3,174.34	1/2	2,786.79		
3/4		3/4		3/4		3/4	4,959.96	3/4	4,648.90	3/4	4,306.62	3/4	3,939.75	3/4	3,553.82	3/4	3,166.27	3/4	2,778.72		
2		2		2		2	4,954.07	2	4,642.04	2	4,299.22	2	3,931.85	2	3,545.75	2	3,158.19	2	2,770.64		
1/4		1/4		1/4		1/4	4,948.17	1/4	4,635.19	1/4	4,291.83	1/4	3,923.95	1/4	3,537.67	1/4	3,150.12	1/4	2,762.57		
1/2		1/2		1/2		1/2	4,942.22	1/2	4,628.29	1/2	4,284.38	1/2	3,916.02	1/2	3,529.60	1/2	3,142.05	1/2	2,754.49		
3/4		3/4		3/4		3/4	4,936.27	3/4	4,621.39	3/4	4,276.94	3/4	3,908.08	3/4	3,521.52	3/4	3,133.97	3/4	2,746.42		
3		3		3		3	4,930.32	3	4,614.49	3	4,269.50	3	3,900.15	3	3,513.45	3	3,125.90	3	2,738.35		
1/4		1/4		1/4		1/4	4,924.37	1/4	4,607.59	1/4	4,262.06	1/4	3,892.21	1/4	3,505.38	1/4	3,117.82	1/4	2,730.27		
1/2		1/2		1/2		1/2	4,918.39	1/2	4,600.65	1/2	4,254.59	1/2	3,884.24	1/2	3,497.30	1/2	3,109.75	1/2	2,722.20		
3/4		3/4		3/4		3/4	4,912.41	3/4	4,593.72	3/4	4,247.12	3/4	3,876.27	3/4	3,489.23	3/4	3,101.68	3/4	2,714.12		
4		4		4		4	4,906.43	4	4,586.78	4	4,239.65	4	3,868.30	4	3,481.15	4	3,093.60	4	2,706.05		
1/4		1/4		1/4		1/4	4,900.45	1/4	4,579.84	1/4	4,232.18	1/4	3,860.32	1/4	3,473.08	1/4	3,085.53	1/4	2,697.98		
1/2		1/2		1/2		1/2	4,894.43	1/2	4,572.84	1/2	4,224.66	1/2	3,852.31	1/2	3,465.01	1/2	3,077.45	1/2	2,689.90		
3/4		3/4		3/4		3/4	4,888.41	3/4	4,565.85	3/4	4,217.15	3/4	3,844.29	3/4	3,456.93	3/4	3,069.38	3/4	2,681.83		
5		5		5		5	4,882.39	5	4,558.85	5	4,209.63	5	3,836.27	5	3,448.86	5	3,061.31	5	2,673.75		
1/4		1/4		1/4		1/4	4,876.37	1/4	4,551.85	1/4	4,202.11	1/4	3,828.25	1/4	3,440.78	1/4	3,053.23	1/4	2,665.68		
1/2		1/2		1/2		1/2	4,869.83	1/2	4,544.82	1/2	4,194.56	1/2	3,820.20	1/2	3,432.71	1/2	3,045.16	1/2	2,657.61		
3/4		3/4		3/4		3/4	4,863.29	3/4	4,537.79	3/4	4,187.01	3/4	3,812.15	3/4	3,424.64	3/4	3,037.08	3/4	2,649.53		
6		6		6		6	4,856.75	6	4,530.75	6	4,179.46	6	3,804.09	6	3,416.56	6	3,029.01	6	2,641.46		
1/4		1/4		1/4		1/4	5,177.11	1/4	4,850.21	1/4	4,523.72	1/4	4,171.90	1/4	3,796.04	1/4	3,408.49	1/4	3,020.94	1/4	2,633.38
1/2		1/2		1/2		1/2	5,169.51	1/2	4,843.64	1/2	4,516.66	1/2	4,164.30	1/2	3,787.97	1/2	3,400.41	1/2	3,012.86	1/2	2,625.31
3/4		3/4		3/4		3/4	5,161.91	3/4	4,837.06	3/4	4,509.59	3/4	4,156.70	3/4	3,779.89	3/4	3,392.34	3/4	3,004.79	3/4	2,617.24
7		7		7		7	5,154.31	7	4,830.48	7	4,502.52	7	4,149.10	7	3,771.82	7	3,384.27	7	2,996.71	7	2,609.16
1/4		1/4		1/4		1/4	5,146.71	1/4	4,823.90	1/4	4,495.45	1/4	4,141.49	1/4	3,763.74	1/4	3,376.19	1/4	2,988.64	1/4	2,601.09
1/2		1/2		1/2		1/2	5,139.11	1/2	4,817.28	1/2	4,488.33	1/2	4,133.86	1/2	3,755.67	1/2	3,368.12	1/2	2,980.57	1/2	2,593.01
3/4		3/4		3/4		3/4	5,131.51	3/4	4,810.66	3/4	4,481.22	3/4	4,126.22	3/4	3,747.60	3/4	3,360.04	3/4	2,972.49	3/4	2,584.94
8		8		8		8	5,123.91	8	4,804.03	8	4,474.11	8	4,118.59	8	3,739.52	8	3,351.97	8	2,964.42	8	2,576.87
1/4		1/4		1/4		1/4	5,116.31	1/4	4,797.41	1/4	4,466.99	1/4	4,110.95	1/4	3,731.45	1/4	3,343.90	1/4	2,956.34	1/4	2,568.79
1/2		1/2		1/2		1/2	5,108.71	1/2	4,790.75	1/2	4,459.80	1/2	4,103.27	1/2	3,723.37	1/2	3,335.82	1/2	2,948.27	1/2	2,560.72
3/4		3/4		3/4		3/4	5,101.12	3/4	4,784.09	3/4	4,452.61	3/4	4,095.58	3/4	3,715.30	3/4	3,327.75	3/4	2,940.20	3/4	2,552.64
9		9		9		9	5,093.52	9	4,777.43	9	4,445.41	9	4,087.90	9	3,707.23	9	3,319.67	9	2,932.12	9	2,544.57
1/4		1/4		1/4		1/4	5,085.92	1/4	4,770.77	1/4	4,438.22	1/4	4,080.21	1/4	3,699.15	1/4	3,311.60	1/4	2,924.05	1/4	2,536.50
1/2		1/2		1/2		1/2	5,078.36	1/2	4,764.06	1/2	4,430.98	1/2	4,072.48	1/2	3,691.08	1/2	3,303.53	1/2	2,915.97	1/2	2,528.42
3/4		3/4		3/4		3/4	5,070.80	3/4	4,757.34	3/4	4,423.74	3/4	4,064.75	3/4	3,683.00	3/4	3,295.45	3/4	2,907.90	3/4	2,520.35
10		10		10		10	5,063.24	10	4,750.63	10	4,416.50	10	4,057.02	10	3,674.93	10	3,287.38	10	2,899.83	10	2,512.27
1/4		1/4		1/4		1/4	5,055.68	1/4	4,743.92	1/4	4,409.26	1/4	4,049.29	1/4	3,666.86	1/4	3,279.30	1/4	2,891.75	1/4	2,504.20
1/2		1/2		1/2		1/2	5,048.12	1/2	4,737.18	1/2	4,401.98	1/2	4,041.52	1/2	3,658.78	1/2	3,271.23	1/2	2,883.68	1/2	2,496.13
3/4		3/4		3/4		3/4	5,040.56	3/4	4,730.44	3/4	4,394.71	3/4	4,033.76	3/4	3,650.71	3/4	3,263.16	3/4	2,875.60	3/4	2,488.05
11		11		11		11	5,033.00	11	4,723.69	11	4,387.43	11	4,025.99	11	3,642.63	11	3,255.08	11	2,867.53	11	2,479.98
1/4		1/4		1/4		1/4	5,025.44	1/4	4,716.95	1/4	4,380.16	1/4	4,018.22	1/4	3,634.56	1/4	3,247.01	1/4	2,859.46	1/4	2,471.90
1/2		1/2		1/2		1/2	5,017.89	1/2	4,710.18	1/2	4,372.83	1/2	4,010.41	1/2	3,626.49	1/2	3,238.93	1/2	2,851.38	1/2	2,463.83
3/4		3/4		3/4		3/4	5,010.33	3/4	4,703.41	3/4	4,365.50	3/4	4,002.59	3/4	3,618.41	3/4	3,230.86	3/4	2,843.31	3/4	2,455.76

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'-03" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 27010"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "CTCO 320"

GAUGE HEIGHT 16'-04 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	2,447.68	0	2,060.13	0	1,672.58	0	1,285.03	0	897.47	0	524.28	0	137.66	0		0		0	
1/4	2,439.61	1/4	2,052.06	1/4	1,664.50	1/4	1,276.95	1/4	889.40	1/4	516.51	1/4	129.58	1/4		1/4		1/4	
1/2	2,431.53	1/2	2,043.98	1/2	1,656.43	1/2	1,268.88	1/2	881.48	1/2	508.59	1/2	121.51	1/2		1/2		1/2	
3/4	2,423.46	3/4	2,035.91	3/4	1,648.36	3/4	1,260.80	3/4	873.56	3/4	500.67	3/4	113.44	3/4		3/4		3/4	
1	2,415.39	1	2,027.83	1	1,640.28	1	1,252.73	1	865.64	1	492.75	1	105.36	1		1		1	
1/4	2,407.31	1/4	2,019.76	1/4	1,632.21	1/4	1,244.66	1/4	857.72	1/4	484.83	1/4	97.29	1/4		1/4		1/4	
1/2	2,399.24	1/2	2,011.69	1/2	1,624.13	1/2	1,236.58	1/2	849.96	1/2	476.75	1/2	89.22	1/2		1/2		1/2	
3/4	2,391.16	3/4	2,003.61	3/4	1,616.06	3/4	1,228.51	3/4	842.20	3/4	468.68	3/4	81.14	3/4		3/4		3/4	
2	2,383.09	2	1,995.54	2	1,607.99	2	1,220.43	2	834.44	2	460.61	2	73.07	2		2		2	
1/4	2,375.02	1/4	1,987.46	1/4	1,599.91	1/4	1,212.36	1/4	826.68	1/4	452.53	1/4	65.00	1/4		1/4		1/4	
1/2	2,366.94	1/2	1,979.39	1/2	1,591.84	1/2	1,204.29	1/2	818.93	1/2	444.46	1/2	57.93	1/2		1/2		1/2	
3/4	2,358.87	3/4	1,971.32	3/4	1,583.76	3/4	1,196.21	3/4	811.18	3/4	436.39	3/4	50.86	3/4		3/4		3/4	
3	2,350.79	3	1,963.24	3	1,575.69	3	1,188.14	3	803.42	3	428.31	3	43.80	3		3		3	
1/4	2,342.72	1/4	1,955.17	1/4	1,567.62	1/4	1,180.06	1/4	795.67	1/4	420.24	1/4	36.73	1/4		1/4		1/4	
1/2	2,334.65	1/2	1,947.09	1/2	1,559.54	1/2	1,171.99	1/2	787.92	1/2	412.16	1/2	31.69	1/2		1/2		1/2	
3/4	2,326.57	3/4	1,939.02	3/4	1,551.47	3/4	1,163.92	3/4	780.17	3/4	404.09	3/4	26.64	3/4		3/4		3/4	
4	2,318.50	4	1,930.95	4	1,543.39	4	1,155.84	4	772.41	4	396.02	4	21.60	4		4		4	
1/4	2,310.42	1/4	1,922.87	1/4	1,535.32	1/4	1,147.77	1/4	764.66	1/4	387.94	1/4	16.55	1/4		1/4		1/4	
1/2	2,302.35	1/2	1,914.80	1/2	1,527.25	1/2	1,139.69	1/2	756.91	1/2	379.87	1/2		1/2		1/2		1/2	
3/4	2,294.28	3/4	1,906.72	3/4	1,519.17	3/4	1,131.62	3/4	749.16	3/4	371.80	3/4		3/4		3/4		3/4	
5	2,286.20	5	1,898.65	5	1,511.10	5	1,123.55	5	741.41	5	363.72	5		5		5		5	
1/4	2,278.13	1/4	1,890.58	1/4	1,503.02	1/4	1,115.47	1/4	733.65	1/4	355.65	1/4		1/4		1/4		1/4	
1/2	2,270.05	1/2	1,882.50	1/2	1,494.95	1/2	1,107.40	1/2	725.90	1/2	347.57	1/2		1/2		1/2		1/2	
3/4	2,261.98	3/4	1,874.43	3/4	1,486.88	3/4	1,099.32	3/4	718.15	3/4	339.50	3/4		3/4		3/4		3/4	
6	2,253.91	6	1,866.35	6	1,478.80	6	1,091.25	6	710.40	6	331.43	6		6		6		6	
1/4	2,245.83	1/4	1,858.28	1/4	1,470.73	1/4	1,083.18	1/4	702.64	1/4	323.35	1/4		1/4		1/4		1/4	
1/2	2,237.76	1/2	1,850.21	1/2	1,462.65	1/2	1,075.10	1/2	694.89	1/2	315.28	1/2		1/2		1/2		1/2	
3/4	2,229.68	3/4	1,842.13	3/4	1,454.58	3/4	1,067.03	3/4	687.14	3/4	307.21	3/4		3/4		3/4		3/4	
7	2,221.61	7	1,834.06	7	1,446.51	7	1,058.95	7	679.39	7	299.13	7		7		7		7	
1/4	2,213.54	1/4	1,825.98	1/4	1,438.43	1/4	1,050.88	1/4	671.64	1/4	291.06	1/4		1/4		1/4		1/4	
1/2	2,205.46	1/2	1,817.91	1/2	1,430.36	1/2	1,042.81	1/2	663.89	1/2	282.99	1/2		1/2		1/2		1/2	
3/4	2,197.39	3/4	1,809.84	3/4	1,422.28	3/4	1,034.73	3/4	656.14	3/4	274.91	3/4		3/4		3/4		3/4	
8	2,189.31	8	1,801.76	8	1,414.21	8	1,026.66	8	648.39	8	266.84	8		8		8		8	
1/4	2,181.24	1/4	1,793.69	1/4	1,406.14	1/4	1,018.58	1/4	640.64	1/4	258.76	1/4		1/4		1/4		1/4	
1/2	2,173.17	1/2	1,785.61	1/2	1,398.06	1/2	1,010.51	1/2	632.88	1/2	250.69	1/2		1/2		1/2		1/2	
3/4	2,165.09	3/4	1,777.54	3/4	1,389.99	3/4	1,002.44	3/4	625.13	3/4	242.62	3/4		3/4		3/4		3/4	
9	2,157.02	9	1,769.47	9	1,381.91	9	994.36	9	617.38	9	234.54	9		9		9		9	
1/4	2,148.94	1/4	1,761.39	1/4	1,373.84	1/4	986.29	1/4	609.63	1/4	226.47	1/4		1/4		1/4		1/4	
1/2	2,140.87	1/2	1,753.32	1/2	1,365.77	1/2	978.21	1/2	601.87	1/2	218.40	1/2		1/2		1/2		1/2	
3/4	2,132.80	3/4	1,745.24	3/4	1,357.69	3/4	970.14	3/4	594.12	3/4	210.32	3/4		3/4		3/4		3/4	
10	2,124.72	10	1,737.17	10	1,349.62	10	962.07	10	586.37	10	202.25	10		10		10		10	
1/4	2,116.65	1/4	1,729.10	1/4	1,341.54	1/4	953.99	1/4	578.62	1/4	194.17	1/4		1/4		1/4		1/4	
1/2	2,108.57	1/2	1,721.02	1/2	1,333.47	1/2	945.92	1/2	570.86	1/2	186.10	1/2		1/2		1/2		1/2	
3/4	2,100.50	3/4	1,712.95	3/4	1,325.40	3/4	937.84	3/4	563.10	3/4	178.03	3/4		3/4		3/4		3/4	
11	2,092.43	11	1,704.87	11	1,317.32	11	929.77	11	555.34	11	169.95	11		11		11		11	
1/4	2,084.35	1/4	1,696.80	1/4	1,309.25	1/4	921.70	1/4	547.58	1/4	161.88	1/4		1/4		1/4		1/4	
1/2	2,076.28	1/2	1,688.73	1/2	1,301.17	1/2	913.62	1/2	539.82	1/2	153.81	1/2		1/2		1/2		1/2	
3/4	2,068.20	3/4	1,680.65	3/4	1,293.10	3/4	905.55	3/4	532.05	3/4	145.73	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024



BARGE "KIRBY 27010"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "CTCO 320"

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	5,036.63	0	4,728.62	0	4,390.97	0	4,028.24	0	3,644.01	0	3,256.16	0	2,868.30
1/4		1/4		1/4		1/4	5,029.07	1/4	4,721.85	1/4	4,383.64	1/4	4,020.42	1/4	3,635.93	1/4	3,248.08	1/4	2,860.22
1/2		1/2		1/2		1/2	5,021.50	1/2	4,715.07	1/2	4,376.30	1/2	4,012.60	1/2	3,627.85	1/2	3,240.00	1/2	2,852.14
3/4		3/4		3/4		3/4	5,013.94	3/4	4,708.29	3/4	4,368.97	3/4	4,004.78	3/4	3,619.77	3/4	3,231.92	3/4	2,844.06
1		1		1		1	5,008.07	1	4,701.47	1	4,361.61	1	3,996.92	1	3,611.69	1	3,223.83	1	2,835.98
1/4		1/4		1/4		1/4	5,002.20	1/4	4,694.65	1/4	4,354.24	1/4	3,989.06	1/4	3,603.61	1/4	3,215.75	1/4	2,827.90
1/2		1/2		1/2		1/2	4,996.33	1/2	4,687.83	1/2	4,346.87	1/2	3,981.20	1/2	3,595.53	1/2	3,207.67	1/2	2,819.82
3/4		3/4		3/4		3/4	4,990.46	3/4	4,681.00	3/4	4,339.51	3/4	3,973.35	3/4	3,587.45	3/4	3,199.59	3/4	2,811.74
2		2		2		2	4,984.56	2	4,674.14	2	4,332.11	2	3,965.44	2	3,579.37	2	3,191.51	2	2,803.66
1/4		1/4		1/4		1/4	4,978.65	1/4	4,667.28	1/4	4,324.70	1/4	3,957.53	1/4	3,571.29	1/4	3,183.43	1/4	2,795.58
1/2		1/2		1/2		1/2	4,972.75	1/2	4,660.42	1/2	4,317.30	1/2	3,949.62	1/2	3,563.21	1/2	3,175.35	1/2	2,787.50
3/4		3/4		3/4		3/4	4,966.84	3/4	4,653.57	3/4	4,309.90	3/4	3,941.72	3/4	3,555.13	3/4	3,167.27	3/4	2,779.42
3		3		3		3	4,960.89	3	4,646.66	3	4,302.45	3	3,933.78	3	3,547.05	3	3,159.19	3	2,771.34
1/4		1/4		1/4		1/4	4,954.93	1/4	4,639.75	1/4	4,295.00	1/4	3,925.83	1/4	3,538.97	1/4	3,151.11	1/4	2,763.26
1/2		1/2		1/2		1/2	4,948.98	1/2	4,632.84	1/2	4,287.55	1/2	3,917.89	1/2	3,530.89	1/2	3,143.03	1/2	2,755.18
3/4		3/4		3/4		3/4	4,943.02	3/4	4,625.94	3/4	4,280.10	3/4	3,909.95	3/4	3,522.81	3/4	3,134.95	3/4	2,747.10
4		4		4		4	4,937.04	4	4,618.99	4	4,272.62	4	3,901.97	4	3,514.73	4	3,126.87	4	2,739.02
1/4		1/4		1/4		1/4	4,931.05	1/4	4,612.05	1/4	4,265.15	1/4	3,894.00	1/4	3,506.65	1/4	3,118.79	1/4	2,730.94
1/2		1/2		1/2		1/2	4,925.06	1/2	4,605.11	1/2	4,257.67	1/2	3,886.02	1/2	3,498.57	1/2	3,110.71	1/2	2,722.86
3/4		3/4		3/4		3/4	4,919.07	3/4	4,598.16	3/4	4,250.20	3/4	3,878.04	3/4	3,490.48	3/4	3,102.63	3/4	2,714.78
5		5		5		5	4,913.05	5	4,591.16	5	4,242.68	5	3,870.02	5	3,482.40	5	3,094.55	5	2,706.70
1/4		1/4		1/4		1/4	4,907.02	1/4	4,584.16	1/4	4,235.15	1/4	3,861.99	1/4	3,474.32	1/4	3,086.47	1/4	2,698.62
1/2		1/2		1/2		1/2	4,901.00	1/2	4,577.15	1/2	4,227.63	1/2	3,853.97	1/2	3,466.24	1/2	3,078.39	1/2	2,690.54
3/4		3/4		3/4		3/4	4,894.97	3/4	4,570.15	3/4	4,220.11	3/4	3,845.94	3/4	3,458.16	3/4	3,070.31	3/4	2,682.45
6		6		6		6	4,888.43	6	4,563.11	6	4,212.55	6	3,837.88	6	3,450.08	6	3,062.23	6	2,674.37
1/4		1/4		1/4		1/4	4,881.88	1/4	4,556.07	1/4	4,204.99	1/4	3,829.82	1/4	3,442.00	1/4	3,054.15	1/4	2,666.29
1/2		1/2		1/2		1/2	4,875.33	1/2	4,549.03	1/2	4,197.43	1/2	3,821.76	1/2	3,433.92	1/2	3,046.07	1/2	2,658.21
3/4		3/4		3/4		3/4	5,195.99	3/4	4,868.79	3/4	4,542.00	3/4	4,189.87	3/4	3,813.70	3/4	3,425.84	3/4	3,037.99
7		7		7		7	5,188.38	7	4,862.20	7	4,534.92	7	4,182.26	7	3,805.62	7	3,417.76	7	3,029.91
1/4		1/4		1/4		1/4	5,180.78	1/4	4,855.62	1/4	4,527.85	1/4	4,174.65	1/4	3,797.54	1/4	3,409.68	1/4	3,021.83
1/2		1/2		1/2		1/2	5,173.17	1/2	4,849.04	1/2	4,520.77	1/2	4,167.05	1/2	3,789.46	1/2	3,401.60	1/2	3,013.75
3/4		3/4		3/4		3/4	5,165.57	3/4	4,842.46	3/4	4,513.70	3/4	4,159.44	3/4	3,781.38	3/4	3,393.52	3/4	3,005.67
8		8		8		8	5,157.96	8	4,835.82	8	4,506.58	8	4,151.79	8	3,773.30	8	3,385.44	8	2,997.59
1/4		1/4		1/4		1/4	5,150.36	1/4	4,829.19	1/4	4,499.45	1/4	4,144.15	1/4	3,765.21	1/4	3,377.36	1/4	2,989.51
1/2		1/2		1/2		1/2	5,142.75	1/2	4,822.56	1/2	4,492.33	1/2	4,136.51	1/2	3,757.13	1/2	3,369.28	1/2	2,981.43
3/4		3/4		3/4		3/4	5,135.14	3/4	4,815.93	3/4	4,485.21	3/4	4,128.87	3/4	3,749.05	3/4	3,361.20	3/4	2,973.35
9		9		9		9	5,127.54	9	4,809.27	9	4,478.01	9	4,121.18	9	3,740.97	9	3,353.12	9	2,965.27
1/4		1/4		1/4		1/4	5,119.93	1/4	4,802.60	1/4	4,470.81	1/4	4,113.49	1/4	3,732.89	1/4	3,345.04	1/4	2,957.18
1/2		1/2		1/2		1/2	5,112.33	1/2	4,795.93	1/2	4,463.62	1/2	4,105.80	1/2	3,724.81	1/2	3,336.96	1/2	2,949.10
3/4		3/4		3/4		3/4	5,104.72	3/4	4,789.27	3/4	4,456.42	3/4	4,098.11	3/4	3,716.73	3/4	3,328.88	3/4	2,941.02
10		10		10		10	5,097.16	10	4,782.55	10	4,449.17	10	4,090.37	10	3,708.65	10	3,320.80	10	2,932.94
1/4		1/4		1/4		1/4	5,089.59	1/4	4,775.83	1/4	4,441.92	1/4	4,082.63	1/4	3,700.57	1/4	3,312.72	1/4	2,924.86
1/2		1/2		1/2		1/2	5,082.02	1/2	4,769.12	1/2	4,434.68	1/2	4,074.90	1/2	3,692.49	1/2	3,304.64	1/2	2,916.78
3/4		3/4		3/4		3/4	5,074.46	3/4	4,762.40	3/4	4,427.43	3/4	4,067.16	3/4	3,684.41	3/4	3,296.56	3/4	2,908.70
11		11		11		11	5,066.89	11	4,755.65	11	4,420.15	11	4,059.39	11	3,676.33	11	3,288.48	11	2,900.62
1/4		1/4		1/4		1/4	5,059.33	1/4	4,748.90	1/4	4,412.87	1/4	4,051.61	1/4	3,668.25	1/4	3,280.40	1/4	2,892.54
1/2		1/2		1/2		1/2	5,051.76	1/2	4,742.15	1/2	4,405.58	1/2	4,043.84	1/2	3,660.17	1/2	3,272.32	1/2	2,884.46
3/4		3/4		3/4		3/4	5,044.20	3/4	4,735.40	3/4	4,398.30	3/4	4,036.06	3/4	3,652.09	3/4	3,264.24	3/4	2,876.38

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'-03" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27010"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "CTCO 320"

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	2,480.45	0	2,092.59	0	1,704.74	0	1,316.88	0	929.03	0	541.76	0	153.92	0		0		0	
1/4	2,472.37	1/4	2,084.51	1/4	1,696.66	1/4	1,308.80	1/4	920.95	1/4	533.68	1/4	145.84	1/4		1/4		1/4	
1/2	2,464.29	1/2	2,076.43	1/2	1,688.58	1/2	1,300.72	1/2	912.87	1/2	525.60	1/2	137.76	1/2		1/2		1/2	
3/4	2,456.21	3/4	2,068.35	3/4	1,680.50	3/4	1,292.64	3/4	904.79	3/4	517.52	3/4	129.68	3/4		3/4		3/4	
1	2,448.13	1	2,060.27	1	1,672.42	1	1,284.56	1	896.71	1	509.44	1	121.60	1		1		1	
1/4	2,440.05	1/4	2,052.19	1/4	1,664.34	1/4	1,276.48	1/4	888.63	1/4	501.36	1/4	113.52	1/4		1/4		1/4	
1/2	2,431.97	1/2	2,044.11	1/2	1,656.26	1/2	1,268.40	1/2	880.55	1/2	493.28	1/2	105.44	1/2		1/2		1/2	
3/4	2,423.89	3/4	2,036.03	3/4	1,648.18	3/4	1,260.32	3/4	872.47	3/4	485.20	3/4	97.36	3/4		3/4		3/4	
2	2,415.80	2	2,027.95	2	1,640.10	2	1,252.24	2	864.40	2	477.12	2	89.28	2		2		2	
1/4	2,407.72	1/4	2,019.87	1/4	1,632.02	1/4	1,244.16	1/4	856.32	1/4	469.04	1/4	81.20	1/4		1/4		1/4	
1/2	2,399.64	1/2	2,011.79	1/2	1,623.94	1/2	1,236.08	1/2	848.25	1/2	460.96	1/2	73.12	1/2		1/2		1/2	
3/4	2,391.56	3/4	2,003.71	3/4	1,615.86	3/4	1,228.00	3/4	840.18	3/4	452.88	3/4	65.04	3/4		3/4		3/4	
3	2,383.48	3	1,995.63	3	1,607.77	3	1,219.92	3	832.12	3	444.80	3	57.97	3		3		3	
1/4	2,375.40	1/4	1,987.55	1/4	1,599.69	1/4	1,211.84	1/4	824.05	1/4	436.72	1/4	50.90	1/4		1/4		1/4	
1/2	2,367.32	1/2	1,979.47	1/2	1,591.61	1/2	1,203.76	1/2	815.99	1/2	428.64	1/2	43.83	1/2		1/2		1/2	
3/4	2,359.24	3/4	1,971.39	3/4	1,583.53	3/4	1,195.68	3/4	807.92	3/4	420.56	3/4	36.75	3/4		3/4		3/4	
4	2,351.16	4	1,963.31	4	1,575.45	4	1,187.60	4	799.86	4	412.48	4	31.70	4		4		4	
1/4	2,343.08	1/4	1,955.23	1/4	1,567.37	1/4	1,179.52	1/4	791.80	1/4	404.40	1/4	26.65	1/4		1/4		1/4	
1/2	2,335.00	1/2	1,947.15	1/2	1,559.29	1/2	1,171.44	1/2	783.73	1/2	396.32	1/2	21.60	1/2		1/2		1/2	
3/4	2,326.92	3/4	1,939.07	3/4	1,551.21	3/4	1,163.36	3/4	775.67	3/4	388.24	3/4	16.56	3/4		3/4		3/4	
5	2,318.84	5	1,930.99	5	1,543.13	5	1,155.28	5	767.60	5	380.16	5		5		5		5	
1/4	2,310.76	1/4	1,922.91	1/4	1,535.05	1/4	1,147.20	1/4	759.54	1/4	372.08	1/4		1/4		1/4		1/4	
1/2	2,302.68	1/2	1,914.83	1/2	1,526.97	1/2	1,139.12	1/2	751.47	1/2	364.00	1/2		1/2		1/2		1/2	
3/4	2,294.60	3/4	1,906.75	3/4	1,518.89	3/4	1,131.04	3/4	743.41	3/4	355.92	3/4		3/4		3/4		3/4	
6	2,286.52	6	1,898.67	6	1,510.81	6	1,122.96	6	735.34	6	347.84	6		6		6		6	
1/4	2,278.44	1/4	1,890.59	1/4	1,502.73	1/4	1,114.88	1/4	727.28	1/4	339.76	1/4		1/4		1/4		1/4	
1/2	2,270.36	1/2	1,882.51	1/2	1,494.65	1/2	1,106.80	1/2	719.21	1/2	331.68	1/2		1/2		1/2		1/2	
3/4	2,262.28	3/4	1,874.42	3/4	1,486.57	3/4	1,098.72	3/4	711.15	3/4	323.60	3/4		3/4		3/4		3/4	
7	2,254.20	7	1,866.34	7	1,478.49	7	1,090.64	7	703.09	7	315.52	7		7		7		7	
1/4	2,246.12	1/4	1,858.26	1/4	1,470.41	1/4	1,082.56	1/4	695.02	1/4	307.44	1/4		1/4		1/4		1/4	
1/2	2,238.04	1/2	1,850.18	1/2	1,462.33	1/2	1,074.48	1/2	686.96	1/2	299.36	1/2		1/2		1/2		1/2	
3/4	2,229.96	3/4	1,842.10	3/4	1,454.25	3/4	1,066.39	3/4	678.90	3/4	291.28	3/4		3/4		3/4		3/4	
8	2,221.88	8	1,834.02	8	1,446.17	8	1,058.31	8	670.83	8	283.20	8		8		8		8	
1/4	2,213.80	1/4	1,825.94	1/4	1,438.09	1/4	1,050.23	1/4	662.77	1/4	275.12	1/4		1/4		1/4		1/4	
1/2	2,205.72	1/2	1,817.86	1/2	1,430.01	1/2	1,042.15	1/2	654.71	1/2	267.04	1/2		1/2		1/2		1/2	
3/4	2,197.64	3/4	1,809.78	3/4	1,421.93	3/4	1,034.07	3/4	646.64	3/4	258.96	3/4		3/4		3/4		3/4	
9	2,189.56	9	1,801.70	9	1,413.85	9	1,025.99	9	638.58	9	250.88	9		9		9		9	
1/4	2,181.48	1/4	1,793.62	1/4	1,405.77	1/4	1,017.91	1/4	630.51	1/4	242.80	1/4		1/4		1/4		1/4	
1/2	2,173.40	1/2	1,785.54	1/2	1,397.69	1/2	1,009.83	1/2	622.45	1/2	234.72	1/2		1/2		1/2		1/2	
3/4	2,165.32	3/4	1,777.46	3/4	1,389.61	3/4	1,001.75	3/4	614.38	3/4	226.64	3/4		3/4		3/4		3/4	
10	2,157.24	10	1,769.38	10	1,381.53	10	993.67	10	606.32	10	218.56	10		10		10		10	
1/4	2,149.15	1/4	1,761.30	1/4	1,373.45	1/4	985.59	1/4	598.26	1/4	210.48	1/4		1/4		1/4		1/4	
1/2	2,141.07	1/2	1,753.22	1/2	1,365.37	1/2	977.51	1/2	590.19	1/2	202.40	1/2		1/2		1/2		1/2	
3/4	2,132.99	3/4	1,745.14	3/4	1,357.29	3/4	969.43	3/4	582.13	3/4	194.32	3/4		3/4		3/4		3/4	
11	2,124.91	11	1,737.06	11	1,349.21	11	961.35	11	574.06	11	186.24	11		11		11		11	
1/4	2,116.83	1/4	1,728.98	1/4	1,341.12	1/4	953.27	1/4	565.99	1/4	178.16	1/4		1/4		1/4		1/4	
1/2	2,108.75	1/2	1,720.90	1/2	1,333.04	1/2	945.19	1/2	557.92	1/2	170.08	1/2		1/2		1/2		1/2	
3/4	2,100.67	3/4	1,712.82	3/4	1,324.96	3/4	937.11	3/4	549.84	3/4	162.00	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024



BARGE "KIRBY 27010"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "CTCO 320"

GAUGE HEIGHT 16'-04 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,280.90	0	4,081.33	0	3,862.74	0	3,621.15	0	3,358.34	0	3,006.23	0	2,645.88
1/4		1/4		1/4		1/4	4,275.42	1/4	4,077.02	1/4	3,857.93	1/4	3,615.85	1/4	3,352.81	1/4	2,998.73	1/4	2,638.37
1/2		1/2		1/2		1/2	4,269.94	1/2	4,072.71	1/2	3,853.12	1/2	3,610.55	1/2	3,347.27	1/2	2,991.23	1/2	2,630.86
3/4		3/4		3/4		3/4	4,266.04	3/4	4,068.36	3/4	3,848.27	3/4	3,605.22	3/4	3,340.75	3/4	2,983.73	3/4	2,623.36
1		1		1		1	4,262.13	1	4,064.01	1	3,843.43	1	3,599.88	1	3,334.23	1	2,976.22	1	2,615.85
1/4		1/4		1/4		1/4	4,258.23	1/4	4,059.66	1/4	3,838.59	1/4	3,594.55	1/4	3,327.71	1/4	2,968.71	1/4	2,608.34
1/2		1/2		1/2		1/2	4,254.33	1/2	4,055.31	1/2	3,833.74	1/2	3,589.21	1/2	3,321.19	1/2	2,961.20	1/2	2,600.83
3/4		3/4		3/4		3/4	4,250.39	3/4	4,050.93	3/4	3,828.87	3/4	3,583.83	3/4	3,313.68	3/4	2,953.69	3/4	2,593.33
2		2		2		2	4,246.46	2	4,046.54	2	3,823.99	2	3,578.45	2	3,306.18	2	2,946.19	2	2,585.82
1/4		1/4		1/4		1/4	4,242.52	1/4	4,042.16	1/4	3,819.11	1/4	3,573.07	1/4	3,298.67	1/4	2,938.68	1/4	2,578.31
1/2		1/2		1/2		1/2	4,238.59	1/2	4,037.77	1/2	3,814.23	1/2	3,567.68	1/2	3,291.16	1/2	2,931.17	1/2	2,570.80
3/4		3/4		3/4		3/4	4,234.61	3/4	4,033.35	3/4	3,809.31	3/4	3,562.27	3/4	3,283.66	3/4	2,923.66	3/4	2,563.28
3		3		3		3	4,230.62	3	4,028.92	3	3,804.39	3	3,556.86	3	3,276.15	3	2,916.16	3	2,555.77
1/4		1/4		1/4		1/4	4,226.64	1/4	4,024.49	1/4	3,799.47	1/4	3,551.45	1/4	3,268.64	1/4	2,908.65	1/4	2,548.25
1/2		1/2		1/2		1/2	4,222.66	1/2	4,020.06	1/2	3,794.55	1/2	3,546.04	1/2	3,261.14	1/2	2,901.14	1/2	2,540.73
3/4		3/4		3/4		3/4	4,218.65	3/4	4,015.60	3/4	3,789.60	3/4	3,540.59	3/4	3,253.64	3/4	2,893.63	3/4	2,533.22
4		4		4		4	4,214.63	4	4,011.13	4	3,784.65	4	3,535.14	4	3,246.14	4	2,886.13	4	2,525.70
1/4		1/4		1/4		1/4	4,210.62	1/4	4,006.67	1/4	3,779.70	1/4	3,529.69	1/4	3,238.64	1/4	2,878.62	1/4	2,518.18
1/2		1/2		1/2		1/2	4,206.61	1/2	4,002.21	1/2	3,774.76	1/2	3,524.25	1/2	3,231.15	1/2	2,871.11	1/2	2,510.67
3/4		3/4		3/4		3/4	4,202.56	3/4	3,997.69	3/4	3,769.76	3/4	3,518.76	3/4	3,223.65	3/4	2,863.60	3/4	2,503.15
5		5		5		5	4,198.51	5	3,993.17	5	3,764.77	5	3,513.27	5	3,216.15	5	2,856.09	5	2,495.63
1/4		1/4		1/4		1/4	4,194.46	1/4	3,988.66	1/4	3,759.78	1/4	3,507.78	1/4	3,208.65	1/4	2,848.59	1/4	2,488.11
1/2		1/2		1/2		1/2	4,190.42	1/2	3,984.14	1/2	3,754.79	1/2	3,502.29	1/2	3,201.16	1/2	2,841.08	1/2	2,480.60
3/4		3/4		3/4		3/4	4,186.33	3/4	3,979.59	3/4	3,749.76	3/4	3,496.76	3/4	3,193.66	3/4	2,833.57	3/4	2,473.08
6		6		6		6	4,182.24	6	3,975.04	6	3,744.74	6	3,491.24	6	3,186.16	6	2,826.06	6	2,465.56
1/4		1/4		1/4		1/4	4,178.14	1/4	3,970.50	1/4	3,739.71	1/4	3,485.71	1/4	3,178.67	1/4	2,818.56	1/4	2,458.05
1/2		1/2		1/2		1/2	4,405.75	1/2	4,174.05	1/2	3,965.95	1/2	3,734.69	1/2	3,480.19	1/2	3,171.17	1/2	2,811.05
3/4		3/4		3/4		3/4	4,399.25	3/4	4,169.93	3/4	3,961.37	3/4	3,729.61	3/4	3,474.64	3/4	3,163.67	3/4	2,803.54
7		7		7		7	4,392.76	7	4,165.80	7	3,956.78	7	3,724.54	7	3,469.10	7	3,156.17	7	2,796.03
1/4		1/4		1/4		1/4	4,386.26	1/4	4,161.68	1/4	3,952.20	1/4	3,719.47	1/4	3,463.56	1/4	3,148.68	1/4	2,788.53
1/2		1/2		1/2		1/2	4,379.76	1/2	4,157.55	1/2	3,947.62	1/2	3,714.40	1/2	3,458.01	1/2	3,141.18	1/2	2,781.02
3/4		3/4		3/4		3/4	4,374.26	3/4	4,153.38	3/4	3,942.99	3/4	3,709.30	3/4	3,452.47	3/4	3,133.68	3/4	2,773.51
8		8		8		8	4,368.75	8	4,149.21	8	3,938.37	8	3,704.19	8	3,446.93	8	3,126.18	8	2,766.00
1/4		1/4		1/4		1/4	4,363.24	1/4	4,145.04	1/4	3,933.74	1/4	3,699.09	1/4	3,441.38	1/4	3,118.69	1/4	2,758.49
1/2		1/2		1/2		1/2	4,357.73	1/2	4,140.87	1/2	3,929.12	1/2	3,693.99	1/2	3,435.84	1/2	3,111.19	1/2	2,750.99
3/4		3/4		3/4		3/4	4,352.22	3/4	4,136.67	3/4	3,924.43	3/4	3,688.84	3/4	3,430.30	3/4	3,103.69	3/4	2,743.48
9		9		9		9	4,346.72	9	4,132.47	9	3,919.74	9	3,683.70	9	3,424.75	9	3,096.20	9	2,735.97
1/4		1/4		1/4		1/4	4,341.21	1/4	4,128.27	1/4	3,915.05	1/4	3,678.55	1/4	3,419.21	1/4	3,088.70	1/4	2,728.46
1/2		1/2		1/2		1/2	4,335.70	1/2	4,124.06	1/2	3,910.36	1/2	3,673.40	1/2	3,413.67	1/2	3,081.20	1/2	2,720.96
3/4		3/4		3/4		3/4	4,330.22	3/4	4,119.81	3/4	3,905.63	3/4	3,668.22	3/4	3,408.14	3/4	3,073.70	3/4	2,713.45
10		10		10		10	4,324.74	10	4,115.56	10	3,900.90	10	3,663.03	10	3,402.60	10	3,066.21	10	2,705.94
1/4		1/4		1/4		1/4	4,319.26	1/4	4,111.31	1/4	3,896.16	1/4	3,657.84	1/4	3,397.07	1/4	3,058.71	1/4	2,698.43
1/2		1/2		1/2		1/2	4,313.78	1/2	4,107.06	1/2	3,891.43	1/2	3,652.65	1/2	3,391.54	1/2	3,051.21	1/2	2,690.93
3/4		3/4		3/4		3/4	4,308.30	3/4	4,102.78	3/4	3,886.67	3/4	3,647.43	3/4	3,386.00	3/4	3,043.71	3/4	2,683.42
11		11		11		11	4,302.82	11	4,098.50	11	3,881.90	11	3,642.20	11	3,380.47	11	3,036.22	11	2,675.91
1/4		1/4		1/4		1/4	4,297.34	1/4	4,094.22	1/4	3,877.13	1/4	3,636.98	1/4	3,374.94	1/4	3,028.72	1/4	2,668.40
1/2		1/2		1/2		1/2	4,291.86	1/2	4,089.94	1/2	3,872.37	1/2	3,631.76	1/2	3,369.41	1/2	3,021.22	1/2	2,660.89
3/4		3/4		3/4		3/4	4,286.38	3/4	4,085.64	3/4	3,867.56	3/4	3,626.46	3/4	3,363.87	3/4	3,013.73	3/4	2,653.39

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"

GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27010"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "CTCO 320"

GAUGE HEIGHT 16'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,285.15	0	1,924.33	0	1,564.51	0	1,203.98	0	843.31	0	495.49	0	135.74	0		0		0	
1/4	2,277.64	1/4	1,916.81	1/4	1,557.02	1/4	1,196.46	1/4	835.80	1/4	488.26	1/4	128.22	1/4		1/4		1/4	
1/2	2,270.12	1/2	1,909.30	1/2	1,549.53	1/2	1,188.95	1/2	828.29	1/2	481.03	1/2	120.71	1/2		1/2		1/2	
3/4	2,262.60	3/4	1,901.78	3/4	1,542.03	3/4	1,181.43	3/4	820.91	3/4	473.66	3/4	113.19	3/4		3/4		3/4	
1	2,255.08	1	1,894.26	1	1,534.54	1	1,173.92	1	813.53	1	466.29	1	105.67	1		1		1	
1/4	2,247.57	1/4	1,886.75	1/4	1,527.05	1/4	1,166.41	1/4	806.15	1/4	458.92	1/4	98.15	1/4		1/4		1/4	
1/2	2,240.05	1/2	1,879.23	1/2	1,519.56	1/2	1,158.89	1/2	798.77	1/2	451.55	1/2	90.63	1/2		1/2		1/2	
3/4	2,232.53	3/4	1,871.74	3/4	1,512.04	3/4	1,151.38	3/4	791.54	3/4	444.03	3/4	83.11	3/4		3/4		3/4	
2	2,225.02	2	1,864.24	2	1,504.53	2	1,143.87	2	784.30	2	436.51	2	75.59	2		2		2	
1/4	2,217.50	1/4	1,856.75	1/4	1,497.01	1/4	1,136.35	1/4	777.07	1/4	428.99	1/4	68.07	1/4		1/4		1/4	
1/2	2,209.98	1/2	1,849.26	1/2	1,489.50	1/2	1,128.84	1/2	769.83	1/2	421.47	1/2	60.55	1/2		1/2		1/2	
3/4	2,202.46	3/4	1,841.76	3/4	1,481.99	3/4	1,121.32	3/4	762.60	3/4	413.95	3/4	53.97	3/4		3/4		3/4	
3	2,194.95	3	1,834.27	3	1,474.47	3	1,113.81	3	755.37	3	406.44	3	47.39	3		3		3	
1/4	2,187.43	1/4	1,826.78	1/4	1,466.96	1/4	1,106.30	1/4	748.15	1/4	398.92	1/4	40.81	1/4		1/4		1/4	
1/2	2,179.91	1/2	1,819.28	1/2	1,459.44	1/2	1,098.78	1/2	740.92	1/2	391.40	1/2	34.23	1/2		1/2		1/2	
3/4	2,172.40	3/4	1,811.79	3/4	1,451.93	3/4	1,091.27	3/4	733.70	3/4	383.88	3/4	29.53	3/4		3/4		3/4	
4	2,164.88	4	1,804.30	4	1,444.42	4	1,083.75	4	726.48	4	376.36	4	24.83	4		4		4	
1/4	2,157.36	1/4	1,796.80	1/4	1,436.90	1/4	1,076.24	1/4	719.27	1/4	368.84	1/4	20.13	1/4		1/4		1/4	
1/2	2,149.84	1/2	1,789.31	1/2	1,429.39	1/2	1,068.73	1/2	712.05	1/2	361.32	1/2	15.44	1/2		1/2		1/2	
3/4	2,142.33	3/4	1,781.82	3/4	1,421.88	3/4	1,061.21	3/4	704.83	3/4	353.80	3/4		3/4		3/4		3/4	
5	2,134.81	5	1,774.32	5	1,414.36	5	1,053.70	5	697.62	5	346.28	5		5		5		5	
1/4	2,127.29	1/4	1,766.83	1/4	1,406.85	1/4	1,046.19	1/4	690.40	1/4	338.76	1/4		1/4		1/4		1/4	
1/2	2,119.78	1/2	1,759.34	1/2	1,399.33	1/2	1,038.67	1/2	683.18	1/2	331.24	1/2		1/2		1/2		1/2	
3/4	2,112.26	3/4	1,751.84	3/4	1,391.82	3/4	1,031.16	3/4	675.96	3/4	323.72	3/4		3/4		3/4		3/4	
6	2,104.74	6	1,744.35	6	1,384.31	6	1,023.64	6	668.75	6	316.20	6		6		6		6	
1/4	2,097.22	1/4	1,736.86	1/4	1,376.79	1/4	1,016.13	1/4	661.53	1/4	308.69	1/4		1/4		1/4		1/4	
1/2	2,089.71	1/2	1,729.36	1/2	1,369.28	1/2	1,008.62	1/2	654.31	1/2	301.17	1/2		1/2		1/2		1/2	
3/4	2,082.19	3/4	1,721.87	3/4	1,361.77	3/4	1,001.10	3/4	647.10	3/4	293.65	3/4		3/4		3/4		3/4	
7	2,074.67	7	1,714.38	7	1,354.25	7	993.59	7	639.88	7	286.13	7		7		7		7	
1/4	2,067.16	1/4	1,706.89	1/4	1,346.74	1/4	986.08	1/4	632.67	1/4	278.61	1/4		1/4		1/4		1/4	
1/2	2,059.64	1/2	1,699.39	1/2	1,339.22	1/2	978.56	1/2	625.45	1/2	271.09	1/2		1/2		1/2		1/2	
3/4	2,052.12	3/4	1,691.90	3/4	1,331.71	3/4	971.05	3/4	618.23	3/4	263.57	3/4		3/4		3/4		3/4	
8	2,044.60	8	1,684.41	8	1,324.20	8	963.53	8	611.02	8	256.05	8		8		8		8	
1/4	2,037.09	1/4	1,676.91	1/4	1,316.68	1/4	956.02	1/4	603.80	1/4	248.53	1/4		1/4		1/4		1/4	
1/2	2,029.57	1/2	1,669.42	1/2	1,309.17	1/2	948.51	1/2	596.59	1/2	241.01	1/2		1/2		1/2		1/2	
3/4	2,022.05	3/4	1,661.93	3/4	1,301.65	3/4	940.99	3/4	589.37	3/4	233.49	3/4		3/4		3/4		3/4	
9	2,014.54	9	1,654.43	9	1,294.14	9	933.48	9	582.15	9	225.97	9		9		9		9	
1/4	2,007.02	1/4	1,646.94	1/4	1,286.63	1/4	925.96	1/4	574.93	1/4	218.46	1/4		1/4		1/4		1/4	
1/2	1,999.50	1/2	1,639.45	1/2	1,279.11	1/2	918.45	1/2	567.72	1/2	210.94	1/2		1/2		1/2		1/2	
3/4	1,991.99	3/4	1,631.95	3/4	1,271.60	3/4	910.94	3/4	560.50	3/4	203.42	3/4		3/4		3/4		3/4	
10	1,984.47	10	1,624.46	10	1,264.09	10	903.42	10	553.28	10	195.90	10		10		10		10	
1/4	1,976.95	1/4	1,616.97	1/4	1,256.57	1/4	895.91	1/4	546.07	1/4	188.38	1/4		1/4		1/4		1/4	
1/2	1,969.43	1/2	1,609.47	1/2	1,249.06	1/2	888.40	1/2	538.85	1/2	180.86	1/2		1/2		1/2		1/2	
3/4	1,961.92	3/4	1,601.98	3/4	1,241.54	3/4	880.88	3/4	531.63	3/4	173.34	3/4		3/4		3/4		3/4	
11	1,954.40	11	1,594.49	11	1,234.03	11	873.37	11	524.40	11	165.82	11		11		11		11	
1/4	1,946.88	1/4	1,586.99	1/4	1,226.52	1/4	865.85	1/4	517.18	1/4	158.30	1/4		1/4		1/4		1/4	
1/2	1,939.37	1/2	1,579.50	1/2	1,219.00	1/2	858.34	1/2	509.96	1/2	150.78	1/2		1/2		1/2		1/2	
3/4	1,931.85	3/4	1,572.01	3/4	1,211.49	3/4	850.83	3/4	502.72	3/4	143.26	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024



BARGE "KIRBY 27010"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "CTCO 320"

GAUGE HEIGHT 16'-04"

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	4,275.44	0	4,075.07	0	3,852.68	0	3,608.32	0	3,344.80	0	2,988.30	0	2,627.97
1/4		1/4		1/4		1/4	4,271.47	1/4	4,070.64	1/4	3,847.80	1/4	3,602.98	1/4	3,338.27	1/4	2,980.80	1/4	2,620.47
1/2		1/2		1/2		1/2	4,267.50	1/2	4,066.22	1/2	3,842.92	1/2	3,597.64	1/2	3,331.74	1/2	2,973.29	1/2	2,612.96
3/4		3/4		3/4		3/4	4,263.54	3/4	4,061.80	3/4	3,838.03	3/4	3,592.30	3/4	3,325.20	3/4	2,965.78	3/4	2,605.45
1		1		1		1	4,259.57	1	4,057.37	1	3,833.15	1	3,586.96	1	3,318.67	1	2,958.28	1	2,597.94
1/4		1/4		1/4		1/4	4,255.57	1/4	4,052.92	1/4	3,828.24	1/4	3,581.58	1/4	3,311.16	1/4	2,950.77	1/4	2,590.44
1/2		1/2		1/2		1/2	4,251.57	1/2	4,048.46	1/2	3,823.32	1/2	3,576.20	1/2	3,303.65	1/2	2,943.26	1/2	2,582.93
3/4		3/4		3/4		3/4	4,247.57	3/4	4,044.00	3/4	3,818.41	3/4	3,570.81	3/4	3,296.14	3/4	2,935.76	3/4	2,575.42
2		2		2		2	4,243.57	2	4,039.54	2	3,813.49	2	3,565.43	2	3,288.63	2	2,928.25	2	2,567.92
1/4		1/4		1/4		1/4	4,239.52	1/4	4,035.04	1/4	3,808.54	1/4	3,560.01	1/4	3,281.12	1/4	2,920.74	1/4	2,560.41
1/2		1/2		1/2		1/2	4,235.47	1/2	4,030.54	1/2	3,803.58	1/2	3,554.60	1/2	3,273.61	1/2	2,913.23	1/2	2,552.90
3/4		3/4		3/4		3/4	4,231.43	3/4	4,026.04	3/4	3,798.62	3/4	3,549.18	3/4	3,266.10	3/4	2,905.73	3/4	2,545.40
3		3		3		3	4,227.38	3	4,021.54	3	3,793.66	3	3,543.77	3	3,258.59	3	2,898.22	3	2,537.89
1/4		1/4		1/4		1/4	4,223.30	1/4	4,017.00	1/4	3,788.67	1/4	3,538.32	1/4	3,251.08	1/4	2,890.71	1/4	2,530.40
1/2		1/2		1/2		1/2	4,219.22	1/2	4,012.47	1/2	3,783.68	1/2	3,532.87	1/2	3,243.57	1/2	2,883.21	1/2	2,522.90
3/4		3/4		3/4		3/4	4,215.15	3/4	4,007.93	3/4	3,778.68	3/4	3,527.42	3/4	3,236.06	3/4	2,875.70	3/4	2,515.41
4		4		4		4	4,211.07	4	4,003.39	4	3,773.69	4	3,521.97	4	3,228.55	4	2,868.19	4	2,507.92
1/4		1/4		1/4		1/4	4,206.96	1/4	3,998.81	1/4	3,768.66	1/4	3,516.47	1/4	3,221.04	1/4	2,860.69	1/4	2,500.42
1/2		1/2		1/2		1/2	4,202.84	1/2	3,994.23	1/2	3,763.62	1/2	3,510.98	1/2	3,213.53	1/2	2,853.18	1/2	2,492.93
3/4		3/4		3/4		3/4	4,198.73	3/4	3,989.65	3/4	3,758.58	3/4	3,505.49	3/4	3,206.02	3/4	2,845.67	3/4	2,485.44
5		5		5		5	4,194.62	5	3,985.07	5	3,753.54	5	3,499.99	5	3,198.51	5	2,838.17	5	2,477.94
1/4		1/4		1/4		1/4	4,190.46	1/4	3,980.45	1/4	3,748.47	1/4	3,494.47	1/4	3,191.00	1/4	2,830.66	1/4	2,470.45
1/2		1/2		1/2		1/2	4,186.31	1/2	3,975.84	1/2	3,743.40	1/2	3,488.94	1/2	3,183.49	1/2	2,823.15	1/2	2,462.96
3/4		3/4		3/4		3/4	4,182.15	3/4	3,971.23	3/4	3,738.33	3/4	3,483.41	3/4	3,175.98	3/4	2,815.64	3/4	2,455.46
6		6		6	4,412.47	6	4,178.00	6	3,966.61	6	3,733.26	6	3,477.88	6	3,168.47	6	2,808.14	6	2,447.97
1/4		1/4		1/4	4,405.94	1/4	4,173.81	1/4	3,961.97	1/4	3,728.15	1/4	3,472.34	1/4	3,160.96	1/4	2,800.63	1/4	2,440.48
1/2		1/2		1/2	4,399.40	1/2	4,169.62	1/2	3,957.32	1/2	3,723.03	1/2	3,466.79	1/2	3,153.46	1/2	2,793.12	1/2	2,432.98
3/4		3/4		3/4	4,392.87	3/4	4,165.43	3/4	3,952.67	3/4	3,717.91	3/4	3,461.25	3/4	3,145.95	3/4	2,785.62	3/4	2,425.49
7		7		7	4,386.34	7	4,161.23	7	3,948.02	7	3,712.80	7	3,455.70	7	3,138.44	7	2,778.11	7	2,418.00
1/4		1/4		1/4	4,380.79	1/4	4,157.00	1/4	3,943.33	1/4	3,707.65	1/4	3,450.16	1/4	3,130.93	1/4	2,770.60	1/4	2,410.50
1/2		1/2		1/2	4,375.25	1/2	4,152.77	1/2	3,938.64	1/2	3,702.50	1/2	3,444.61	1/2	3,123.43	1/2	2,763.10	1/2	2,403.01
3/4		3/4		3/4	4,369.70	3/4	4,148.53	3/4	3,933.95	3/4	3,697.35	3/4	3,439.07	3/4	3,115.92	3/4	2,755.59	3/4	2,395.52
8		8		8	4,364.16	8	4,144.30	8	3,929.26	8	3,692.20	8	3,433.52	8	3,108.41	8	2,748.08	8	2,388.02
1/4		1/4		1/4	4,358.61	1/4	4,140.03	1/4	3,924.54	1/4	3,687.02	1/4	3,427.98	1/4	3,100.91	1/4	2,740.58	1/4	2,380.53
1/2		1/2		1/2	4,353.07	1/2	4,135.76	1/2	3,919.81	1/2	3,681.84	1/2	3,422.43	1/2	3,093.40	1/2	2,733.07	1/2	2,373.04
3/4		3/4		3/4	4,347.52	3/4	4,131.49	3/4	3,915.09	3/4	3,676.66	3/4	3,416.89	3/4	3,085.89	3/4	2,725.56	3/4	2,365.54
9		9		9	4,341.98	9	4,127.23	9	3,910.36	9	3,671.47	9	3,411.34	9	3,078.39	9	2,718.06	9	2,358.05
1/4		1/4		1/4	4,336.43	1/4	4,122.91	1/4	3,905.59	1/4	3,666.25	1/4	3,405.80	1/4	3,070.88	1/4	2,710.55	1/4	2,350.56
1/2		1/2		1/2	4,330.89	1/2	4,118.60	1/2	3,900.82	1/2	3,661.02	1/2	3,400.25	1/2	3,063.37	1/2	2,703.04	1/2	2,343.06
3/4		3/4		3/4	4,325.34	3/4	4,114.28	3/4	3,896.05	3/4	3,655.80	3/4	3,394.71	3/4	3,055.87	3/4	2,695.53	3/4	2,335.57
10		10		10	4,319.80	10	4,109.97	10	3,891.28	10	3,650.57	10	3,389.16	10	3,048.36	10	2,688.03	10	2,328.08
1/4		1/4		1/4	4,314.25	1/4	4,105.62	1/4	3,886.48	1/4	3,645.31	1/4	3,383.62	1/4	3,040.85	1/4	2,680.52	1/4	2,320.58
1/2		1/2		1/2	4,308.71	1/2	4,101.28	1/2	3,881.68	1/2	3,640.05	1/2	3,378.07	1/2	3,033.35	1/2	2,673.01	1/2	2,313.09
3/4		3/4		3/4	4,303.16	3/4	4,096.93	3/4	3,876.88	3/4	3,634.79	3/4	3,372.53	3/4	3,025.84	3/4	2,665.51	3/4	2,305.60
11		11		11	4,297.62	11	4,092.59	11	3,872.07	11	3,629.53	11	3,366.98	11	3,018.33	11	2,658.00	11	2,298.10
1/4		1/4		1/4	4,292.07	1/4	4,088.21	1/4	3,867.22	1/4	3,624.23	1/4	3,361.44	1/4	3,010.82	1/4	2,650.49	1/4	2,290.59
1/2		1/2		1/2	4,286.53	1/2	4,083.83	1/2	3,862.37	1/2	3,618.92	1/2	3,355.89	1/2	3,003.32	1/2	2,642.99	1/2	2,283.08
3/4		3/4		3/4	4,280.98	3/4	4,079.45	3/4	3,857.53	3/4	3,613.62	3/4	3,350.35	3/4	2,995.81	3/4	2,635.48	3/4	2,275.57

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'-03" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 27010"

**3 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "CTCO 320"

GAUGE HEIGHT 16'-04"

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	2,268.06	0	1,907.58	0	1,548.93	0	1,189.37	0	828.89	0	480.58	0	120.62	0		0		0	
1/4	2,260.55	1/4	1,900.07	1/4	1,541.48	1/4	1,181.86	1/4	821.51	1/4	473.20	1/4	113.11	1/4		1/4		1/4	
1/2	2,253.04	1/2	1,892.56	1/2	1,534.03	1/2	1,174.35	1/2	814.12	1/2	465.81	1/2	105.60	1/2		1/2		1/2	
3/4	2,245.53	3/4	1,885.05	3/4	1,526.57	3/4	1,166.84	3/4	806.74	3/4	458.43	3/4	98.09	3/4		3/4		3/4	
1	2,238.02	1	1,877.54	1	1,519.12	1	1,159.33	1	799.36	1	451.05	1	90.58	1		1		1	
1/4	2,230.51	1/4	1,870.03	1/4	1,511.67	1/4	1,151.82	1/4	792.11	1/4	443.54	1/4	83.07	1/4		1/4		1/4	
1/2	2,223.00	1/2	1,862.52	1/2	1,504.21	1/2	1,144.31	1/2	784.86	1/2	436.03	1/2	75.56	1/2		1/2		1/2	
3/4	2,215.49	3/4	1,855.01	3/4	1,496.76	3/4	1,136.80	3/4	777.61	3/4	428.52	3/4	68.05	3/4		3/4		3/4	
2	2,207.98	2	1,847.50	2	1,489.31	2	1,129.29	2	770.36	2	421.01	2	60.54	2		2		2	
1/4	2,200.47	1/4	1,839.99	1/4	1,481.86	1/4	1,121.78	1/4	763.12	1/4	413.50	1/4	53.97	1/4		1/4		1/4	
1/2	2,192.96	1/2	1,832.48	1/2	1,474.40	1/2	1,114.27	1/2	755.87	1/2	405.99	1/2	47.40	1/2		1/2		1/2	
3/4	2,185.45	3/4	1,824.97	3/4	1,466.95	3/4	1,106.76	3/4	748.63	3/4	398.48	3/4	40.83	3/4		3/4		3/4	
3	2,177.94	3	1,817.46	3	1,459.50	3	1,099.25	3	741.39	3	390.97	3	34.26	3		3		3	
1/4	2,170.43	1/4	1,809.95	1/4	1,452.04	1/4	1,091.74	1/4	734.15	1/4	383.46	1/4	29.56	1/4		1/4		1/4	
1/2	2,162.92	1/2	1,802.44	1/2	1,444.59	1/2	1,084.23	1/2	726.90	1/2	375.95	1/2	24.86	1/2		1/2		1/2	
3/4	2,155.41	3/4	1,794.93	3/4	1,437.14	3/4	1,076.72	3/4	719.66	3/4	368.44	3/4	20.15	3/4		3/4		3/4	
4	2,147.90	4	1,787.42	4	1,429.68	4	1,069.21	4	712.42	4	360.93	4	15.46	4		4		4	
1/4	2,140.39	1/4	1,779.97	1/4	1,422.17	1/4	1,061.70	1/4	705.18	1/4	353.42	1/4		1/4		1/4		1/4	
1/2	2,132.88	1/2	1,772.52	1/2	1,414.67	1/2	1,054.19	1/2	697.93	1/2	345.91	1/2		1/2		1/2		1/2	
3/4	2,125.37	3/4	1,765.07	3/4	1,407.16	3/4	1,046.68	3/4	690.69	3/4	338.40	3/4		3/4		3/4		3/4	
5	2,117.86	5	1,757.61	5	1,399.65	5	1,039.17	5	683.45	5	330.89	5		5		5		5	
1/4	2,110.35	1/4	1,750.16	1/4	1,392.14	1/4	1,031.66	1/4	676.21	1/4	323.38	1/4		1/4		1/4		1/4	
1/2	2,102.84	1/2	1,742.71	1/2	1,384.63	1/2	1,024.15	1/2	668.96	1/2	315.87	1/2		1/2		1/2		1/2	
3/4	2,095.33	3/4	1,735.25	3/4	1,377.12	3/4	1,016.64	3/4	661.72	3/4	308.36	3/4		3/4		3/4		3/4	
6	2,087.82	6	1,727.80	6	1,369.61	6	1,009.13	6	654.48	6	300.85	6		6		6		6	
1/4	2,080.31	1/4	1,720.35	1/4	1,362.10	1/4	1,001.62	1/4	647.24	1/4	293.34	1/4		1/4		1/4		1/4	
1/2	2,072.80	1/2	1,712.90	1/2	1,354.59	1/2	994.11	1/2	640.00	1/2	285.83	1/2		1/2		1/2		1/2	
3/4	2,065.29	3/4	1,705.44	3/4	1,347.08	3/4	986.60	3/4	632.76	3/4	278.32	3/4		3/4		3/4		3/4	
7	2,057.78	7	1,697.99	7	1,339.57	7	979.09	7	625.51	7	270.81	7		7		7		7	
1/4	2,050.27	1/4	1,690.54	1/4	1,332.06	1/4	971.58	1/4	618.27	1/4	263.30	1/4		1/4		1/4		1/4	
1/2	2,042.76	1/2	1,683.08	1/2	1,324.55	1/2	964.07	1/2	611.03	1/2	255.79	1/2		1/2		1/2		1/2	
3/4	2,035.25	3/4	1,675.63	3/4	1,317.04	3/4	956.56	3/4	603.79	3/4	248.28	3/4		3/4		3/4		3/4	
8	2,027.74	8	1,668.18	8	1,309.53	8	949.05	8	596.55	8	240.77	8		8		8		8	
1/4	2,020.23	1/4	1,660.72	1/4	1,302.02	1/4	941.54	1/4	589.31	1/4	233.27	1/4		1/4		1/4		1/4	
1/2	2,012.72	1/2	1,653.27	1/2	1,294.51	1/2	934.03	1/2	582.06	1/2	225.76	1/2		1/2		1/2		1/2	
3/4	2,005.21	3/4	1,645.82	3/4	1,287.00	3/4	926.52	3/4	574.82	3/4	218.25	3/4		3/4		3/4		3/4	
9	1,997.70	9	1,638.37	9	1,279.49	9	919.01	9	567.58	9	210.74	9		9		9		9	
1/4	1,990.19	1/4	1,630.91	1/4	1,271.98	1/4	911.50	1/4	560.34	1/4	203.23	1/4		1/4		1/4		1/4	
1/2	1,982.68	1/2	1,623.46	1/2	1,264.47	1/2	903.99	1/2	553.09	1/2	195.72	1/2		1/2		1/2		1/2	
3/4	1,975.17	3/4	1,616.01	3/4	1,256.96	3/4	896.48	3/4	545.85	3/4	188.21	3/4		3/4		3/4		3/4	
10	1,967.66	10	1,608.55	10	1,249.45	10	888.97	10	538.61	10	180.70	10		10		10		10	
1/4	1,960.15	1/4	1,601.10	1/4	1,241.94	1/4	881.46	1/4	531.36	1/4	173.19	1/4		1/4		1/4		1/4	
1/2	1,952.64	1/2	1,593.65	1/2	1,234.43	1/2	873.95	1/2	524.11	1/2	165.68	1/2		1/2		1/2		1/2	
3/4	1,945.13	3/4	1,586.20	3/4	1,226.92	3/4	866.44	3/4	516.86	3/4	158.17	3/4		3/4		3/4		3/4	
11	1,937.62	11	1,578.74	11	1,219.41	11	858.93	11	509.61	11	150.66	11		11		11		11	
1/4	1,930.11	1/4	1,571.29	1/4	1,211.90	1/4	851.42	1/4	502.35	1/4	143.15	1/4		1/4		1/4		1/4	
1/2	1,922.60	1/2	1,563.84	1/2	1,204.39	1/2	843.91	1/2	495.10	1/2	135.64	1/2		1/2		1/2		1/2	
3/4	1,915.09	3/4	1,556.38	3/4	1,196.88	3/4	836.40	3/4	487.84	3/4	128.13	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024



BARGE "KIRBY 27010"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	1,048	0	2,074	0	3,048	0	3,972	0		0		0		0		0	
1/4	22	1/4	1,070	1/4	2,094	1/4	3,068	1/4	3,991	1/4		1/4		1/4		1/4		1/4	
1/2	44	1/2	1,092	1/2	2,115	1/2	3,088	1/2	4,009	1/2		1/2		1/2		1/2		1/2	
3/4	66	3/4	1,114	3/4	2,136	3/4	3,107	3/4	4,028	3/4		3/4		3/4		3/4		3/4	
1	87	1	1,136	1	2,157	1	3,127	1	4,047	1		1		1		1		1	
1/4	109	1/4	1,157	1/4	2,177	1/4	3,147	1/4	4,065	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	1,179	1/2	2,198	1/2	3,166	1/2	4,084	1/2		1/2		1/2		1/2		1/2	
3/4	153	3/4	1,201	3/4	2,219	3/4	3,186	3/4	4,102	3/4		3/4		3/4		3/4		3/4	
2	175	2	1,223	2	2,240	2	3,206	2	4,121	2		2		2		2		2	
1/4	197	1/4	1,244	1/4	2,260	1/4	3,225	1/4	4,139	1/4		1/4		1/4		1/4		1/4	
1/2	218	1/2	1,266	1/2	2,281	1/2	3,245	1/2	4,158	1/2		1/2		1/2		1/2		1/2	
3/4	240	3/4	1,288	3/4	2,301	3/4	3,264	3/4	4,176	3/4		3/4		3/4		3/4		3/4	
3	262	3	1,309	3	2,322	3	3,284	3	4,195	3		3		3		3		3	
1/4	284	1/4	1,331	1/4	2,343	1/4	3,303	1/4	4,213	1/4		1/4		1/4		1/4		1/4	
1/2	306	1/2	1,352	1/2	2,363	1/2	3,323	1/2	4,232	1/2		1/2		1/2		1/2		1/2	
3/4	328	3/4	1,374	3/4	2,384	3/4	3,342	3/4	4,250	3/4		3/4		3/4		3/4		3/4	
4	349	4	1,396	4	2,404	4	3,362	4	4,269	4		4		4		4		4	
1/4	371	1/4	1,417	1/4	2,425	1/4	3,381	1/4	4,287	1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	1,439	1/2	2,445	1/2	3,401	1/2	4,305	1/2		1/2		1/2		1/2		1/2	
3/4	415	3/4	1,460	3/4	2,465	3/4	3,420	3/4	4,324	3/4		3/4		3/4		3/4		3/4	
5	437	5	1,482	5	2,486	5	3,439	5	4,342	5		5		5		5		5	
1/4	459	1/4	1,503	1/4	2,506	1/4	3,459	1/4	4,358	1/4		1/4		1/4		1/4		1/4	
1/2	480	1/2	1,524	1/2	2,527	1/2	3,478	1/2	4,375	1/2		1/2		1/2		1/2		1/2	
3/4	502	3/4	1,546	3/4	2,547	3/4	3,497	3/4	4,391	3/4		3/4		3/4		3/4		3/4	
6	524	6	1,567	6	2,567	6	3,516	6	4,407	6		6		6		6		6	
1/4	546	1/4	1,589	1/4	2,588	1/4	3,536	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	568	1/2	1,610	1/2	2,608	1/2	3,555	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	590	3/4	1,631	3/4	2,628	3/4	3,574	3/4		3/4		3/4		3/4		3/4		3/4	
7	612	7	1,652	7	2,648	7	3,593	7		7		7		7		7		7	
1/4	633	1/4	1,674	1/4	2,668	1/4	3,612	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	655	1/2	1,695	1/2	2,689	1/2	3,631	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	677	3/4	1,716	3/4	2,709	3/4	3,651	3/4		3/4		3/4		3/4		3/4		3/4	
8	699	8	1,737	8	2,729	8	3,670	8		8		8		8		8		8	
1/4	721	1/4	1,759	1/4	2,749	1/4	3,689	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	743	1/2	1,780	1/2	2,769	1/2	3,708	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	764	3/4	1,801	3/4	2,789	3/4	3,727	3/4		3/4		3/4		3/4		3/4		3/4	
9	786	9	1,822	9	2,809	9	3,746	9		9		9		9		9		9	
1/4	808	1/4	1,843	1/4	2,829	1/4	3,765	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	830	1/2	1,864	1/2	2,849	1/2	3,784	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	852	3/4	1,885	3/4	2,869	3/4	3,803	3/4		3/4		3/4		3/4		3/4		3/4	
10	874	10	1,906	10	2,889	10	3,822	10		10		10		10		10		10	
1/4	895	1/4	1,927	1/4	2,909	1/4	3,840	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	917	1/2	1,948	1/2	2,929	1/2	3,859	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	939	3/4	1,969	3/4	2,949	3/4	3,878	3/4		3/4		3/4		3/4		3/4		3/4	
11	961	11	1,990	11	2,969	11	3,897	11		11		11		11		11		11	
1/4	983	1/4	2,011	1/4	2,989	1/4	3,916	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,005	1/2	2,032	1/2	3,009	1/2	3,934	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,026	3/4	2,053	3/4	3,028	3/4	3,953	3/4		3/4		3/4		3/4		3/4		3/4	

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 INNAGE GAUGES

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CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 27010"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	1,048	0	2,074	0	3,048	0	3,972	0		0		0		0		0	
1/4	22	1/4	1,070	1/4	2,094	1/4	3,068	1/4	3,991	1/4		1/4		1/4		1/4		1/4	
1/2	44	1/2	1,092	1/2	2,115	1/2	3,088	1/2	4,009	1/2		1/2		1/2		1/2		1/2	
3/4	66	3/4	1,114	3/4	2,136	3/4	3,107	3/4	4,028	3/4		3/4		3/4		3/4		3/4	
1	87	1	1,136	1	2,157	1	3,127	1	4,047	1		1		1		1		1	
1/4	109	1/4	1,157	1/4	2,177	1/4	3,147	1/4	4,065	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	1,179	1/2	2,198	1/2	3,166	1/2	4,084	1/2		1/2		1/2		1/2		1/2	
3/4	153	3/4	1,201	3/4	2,219	3/4	3,186	3/4	4,102	3/4		3/4		3/4		3/4		3/4	
2	175	2	1,223	2	2,240	2	3,206	2	4,121	2		2		2		2		2	
1/4	197	1/4	1,244	1/4	2,260	1/4	3,225	1/4	4,139	1/4		1/4		1/4		1/4		1/4	
1/2	218	1/2	1,266	1/2	2,281	1/2	3,245	1/2	4,158	1/2		1/2		1/2		1/2		1/2	
3/4	240	3/4	1,288	3/4	2,301	3/4	3,264	3/4	4,176	3/4		3/4		3/4		3/4		3/4	
3	262	3	1,309	3	2,322	3	3,284	3	4,195	3		3		3		3		3	
1/4	284	1/4	1,331	1/4	2,343	1/4	3,303	1/4	4,213	1/4		1/4		1/4		1/4		1/4	
1/2	306	1/2	1,352	1/2	2,363	1/2	3,323	1/2	4,232	1/2		1/2		1/2		1/2		1/2	
3/4	328	3/4	1,374	3/4	2,384	3/4	3,342	3/4	4,250	3/4		3/4		3/4		3/4		3/4	
4	349	4	1,396	4	2,404	4	3,362	4	4,269	4		4		4		4		4	
1/4	371	1/4	1,417	1/4	2,425	1/4	3,381	1/4	4,287	1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	1,439	1/2	2,445	1/2	3,401	1/2	4,305	1/2		1/2		1/2		1/2		1/2	
3/4	415	3/4	1,460	3/4	2,465	3/4	3,420	3/4	4,324	3/4		3/4		3/4		3/4		3/4	
5	437	5	1,482	5	2,486	5	3,439	5	4,342	5		5		5		5		5	
1/4	459	1/4	1,503	1/4	2,506	1/4	3,459	1/4	4,358	1/4		1/4		1/4		1/4		1/4	
1/2	480	1/2	1,524	1/2	2,527	1/2	3,478	1/2	4,375	1/2		1/2		1/2		1/2		1/2	
3/4	502	3/4	1,546	3/4	2,547	3/4	3,497	3/4	4,391	3/4		3/4		3/4		3/4		3/4	
6	524	6	1,567	6	2,567	6	3,516	6	4,407	6		6		6		6		6	
1/4	546	1/4	1,589	1/4	2,588	1/4	3,536	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	568	1/2	1,610	1/2	2,608	1/2	3,555	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	590	3/4	1,631	3/4	2,628	3/4	3,574	3/4		3/4		3/4		3/4		3/4		3/4	
7	612	7	1,652	7	2,648	7	3,593	7		7		7		7		7		7	
1/4	633	1/4	1,674	1/4	2,668	1/4	3,612	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	655	1/2	1,695	1/2	2,689	1/2	3,631	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	677	3/4	1,716	3/4	2,709	3/4	3,651	3/4		3/4		3/4		3/4		3/4		3/4	
8	699	8	1,737	8	2,729	8	3,670	8		8		8		8		8		8	
1/4	721	1/4	1,759	1/4	2,749	1/4	3,689	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	743	1/2	1,780	1/2	2,769	1/2	3,708	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	764	3/4	1,801	3/4	2,789	3/4	3,727	3/4		3/4		3/4		3/4		3/4		3/4	
9	786	9	1,822	9	2,809	9	3,746	9		9		9		9		9		9	
1/4	808	1/4	1,843	1/4	2,829	1/4	3,765	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	830	1/2	1,864	1/2	2,849	1/2	3,784	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	852	3/4	1,885	3/4	2,869	3/4	3,803	3/4		3/4		3/4		3/4		3/4		3/4	
10	874	10	1,906	10	2,889	10	3,822	10		10		10		10		10		10	
1/4	895	1/4	1,927	1/4	2,909	1/4	3,840	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	917	1/2	1,948	1/2	2,929	1/2	3,859	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	939	3/4	1,969	3/4	2,949	3/4	3,878	3/4		3/4		3/4		3/4		3/4		3/4	
11	961	11	1,990	11	2,969	11	3,897	11		11		11		11		11		11	
1/4	983	1/4	2,011	1/4	2,989	1/4	3,916	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,005	1/2	2,032	1/2	3,009	1/2	3,934	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,026	3/4	2,053	3/4	3,028	3/4	3,953	3/4		3/4		3/4		3/4		3/4		3/4	

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 INNAGE GAUGES

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CANCELS AND SUPERCEDES
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BARGE "KIRBY 27010"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	188	0	376	0	565	0	753	0		0		0		0		0	
1/4	4	1/4	192	1/4	380	1/4	568	1/4	757	1/4		1/4		1/4		1/4		1/4	
1/2	8	1/2	196	1/2	384	1/2	572	1/2	761	1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	200	3/4	388	3/4	576	3/4	764	3/4		3/4		3/4		3/4		3/4	
1	16	1	204	1	392	1	580	1	768	1		1		1		1		1	
1/4	20	1/4	208	1/4	396	1/4	584	1/4	772	1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	212	1/2	400	1/2	588	1/2	776	1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	216	3/4	404	3/4	592	3/4	780	3/4		3/4		3/4		3/4		3/4	
2	31	2	220	2	408	2	596	2	784	2		2		2		2		2	
1/4	35	1/4	223	1/4	412	1/4	600	1/4	788	1/4		1/4		1/4		1/4		1/4	
1/2	39	1/2	227	1/2	416	1/2	604	1/2	792	1/2		1/2		1/2		1/2		1/2	
3/4	43	3/4	231	3/4	419	3/4	608	3/4	796	3/4		3/4		3/4		3/4		3/4	
3	47	3	235	3	423	3	612	3	800	3		3		3		3		3	
1/4	51	1/4	239	1/4	427	1/4	616	1/4	804	1/4		1/4		1/4		1/4		1/4	
1/2	55	1/2	243	1/2	431	1/2	619	1/2	808	1/2		1/2		1/2		1/2		1/2	
3/4	59	3/4	247	3/4	435	3/4	623	3/4	812	3/4		3/4		3/4		3/4		3/4	
4	63	4	251	4	439	4	627	4	815	4		4		4		4		4	
1/4	67	1/4	255	1/4	443	1/4	631	1/4	819	1/4		1/4		1/4		1/4		1/4	
1/2	71	1/2	259	1/2	447	1/2	635	1/2	823	1/2		1/2		1/2		1/2		1/2	
3/4	74	3/4	263	3/4	451	3/4	639	3/4	827	3/4		3/4		3/4		3/4		3/4	
5	78	5	267	5	455	5	643	5	831	5		5		5		5		5	
1/4	82	1/4	271	1/4	459	1/4	647	1/4	835	1/4		1/4		1/4		1/4		1/4	
1/2	86	1/2	274	1/2	463	1/2	651	1/2	839	1/2		1/2		1/2		1/2		1/2	
3/4	90	3/4	278	3/4	467	3/4	655	3/4	843	3/4		3/4		3/4		3/4		3/4	
6	94	6	282	6	470	6	659	6	847	6		6		6		6		6	
1/4	98	1/4	286	1/4	474	1/4	663	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	102	1/2	290	1/2	478	1/2	666	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106	3/4	294	3/4	482	3/4	670	3/4		3/4		3/4		3/4		3/4		3/4	
7	110	7	298	7	486	7	674	7		7		7		7		7		7	
1/4	114	1/4	302	1/4	490	1/4	678	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118	1/2	306	1/2	494	1/2	682	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122	3/4	310	3/4	498	3/4	686	3/4		3/4		3/4		3/4		3/4		3/4	
8	125	8	314	8	502	8	690	8		8		8		8		8		8	
1/4	129	1/4	318	1/4	506	1/4	694	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	133	1/2	321	1/2	510	1/2	698	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	137	3/4	325	3/4	514	3/4	702	3/4		3/4		3/4		3/4		3/4		3/4	
9	141	9	329	9	518	9	706	9		9		9		9		9		9	
1/4	145	1/4	333	1/4	521	1/4	710	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	149	1/2	337	1/2	525	1/2	714	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153	3/4	341	3/4	529	3/4	717	3/4		3/4		3/4		3/4		3/4		3/4	
10	157	10	345	10	533	10	721	10		10		10		10		10		10	
1/4	161	1/4	349	1/4	537	1/4	725	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165	1/2	353	1/2	541	1/2	729	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	169	3/4	357	3/4	545	3/4	733	3/4		3/4		3/4		3/4		3/4		3/4	
11	173	11	361	11	549	11	737	11		11		11		11		11		11	
1/4	176	1/4	365	1/4	553	1/4	741	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	180	1/2	369	1/2	557	1/2	745	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	184	3/4	372	3/4	561	3/4	749	3/4		3/4		3/4		3/4		3/4		3/4	

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 INNAGE GAUGES

STRAPPED: 12/28/2023 JS
 CALCULATED: 12/28/2023 CL
 PRINTED: 12/28/2023 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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