



# BARGE "KIRBY 29092"

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	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
1 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
2 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
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	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 PORT	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8
3 STBD	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 243'-00"

June 8, 2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29092"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 320

GAUGE HEIGHT 17'-10 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,852.39	0	4,500.25	0	4,147.63	0	3,794.28	0	3,439.85	0	3,085.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,845.10	1/4	4,492.91	1/4	4,140.29	1/4	3,786.90	1/4	3,432.46	1/4	3,078.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,837.81	1/2	4,485.56	1/2	4,132.94	1/2	3,779.52	1/2	3,425.08	1/2	3,070.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,830.52	3/4	4,478.21	3/4	4,125.60	3/4	3,772.13	3/4	3,417.70	3/4	3,063.26
1		1		1		1		1	4,823.23	1	4,470.87	1	4,118.25	1	3,764.75	1	3,410.31	1	3,055.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,815.94	1/4	4,463.52	1/4	4,110.90	1/4	3,757.36	1/4	3,402.93	1/4	3,048.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,808.65	1/2	4,456.18	1/2	4,103.56	1/2	3,749.98	1/2	3,395.54	1/2	3,041.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,801.36	3/4	4,448.83	3/4	4,096.21	3/4	3,742.60	3/4	3,388.16	3/4	3,033.72
2		2		2		2		2	4,794.04	2	4,441.48	2	4,088.87	2	3,735.21	2	3,380.77	2	3,026.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,786.71	1/4	4,434.14	1/4	4,081.52	1/4	3,727.83	1/4	3,373.39	1/4	3,018.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,779.39	1/2	4,426.79	1/2	4,074.17	1/2	3,720.44	1/2	3,366.01	1/2	3,011.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,772.06	3/4	4,419.44	3/4	4,066.83	3/4	3,713.06	3/4	3,358.62	3/4	3,004.19
3		3		3		3		3	4,764.72	3	4,412.10	3	4,059.48	3	3,705.68	3	3,351.24	3	2,996.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,757.37	1/4	4,404.75	1/4	4,052.13	1/4	3,698.29	1/4	3,343.85	1/4	2,989.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,750.02	1/2	4,397.41	1/2	4,044.79	1/2	3,690.91	1/2	3,336.47	1/2	2,982.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,742.68	3/4	4,390.06	3/4	4,037.44	3/4	3,683.52	3/4	3,329.09	3/4	2,974.65
4		4		4		4		4	4,735.33	4	4,382.71	4	4,030.10	4	3,676.14	4	3,321.70	4	2,967.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,727.98	1/4	4,375.37	1/4	4,022.75	1/4	3,668.75	1/4	3,314.32	1/4	2,959.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,720.64	1/2	4,368.02	1/2	4,015.40	1/2	3,661.37	1/2	3,306.93	1/2	2,952.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,713.29	3/4	4,360.67	3/4	4,008.06	3/4	3,653.99	3/4	3,299.55	3/4	2,945.11
5		5		5		5		5	4,705.95	5	4,353.33	5	4,000.71	5	3,646.60	5	3,292.17	5	2,937.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,698.60	1/4	4,345.98	1/4	3,993.36	1/4	3,639.22	1/4	3,284.78	1/4	2,930.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,691.25	1/2	4,338.64	1/2	3,986.02	1/2	3,631.83	1/2	3,277.40	1/2	2,922.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,683.91	3/4	4,331.29	3/4	3,978.67	3/4	3,624.45	3/4	3,270.01	3/4	2,915.58
6		6		6		6	5,005.75	6	4,676.56	6	4,323.94	6	3,971.33	6	3,617.07	6	3,262.63	6	2,908.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,001.97	1/4	4,669.22	1/4	4,316.60	1/4	3,963.98	1/4	3,609.68	1/4	3,255.24	1/4	2,900.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,998.19	1/2	4,661.87	1/2	4,309.25	1/2	3,956.63	1/2	3,602.30	1/2	3,247.86	1/2	2,893.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,994.41	3/4	4,654.52	3/4	4,301.91	3/4	3,949.29	3/4	3,594.91	3/4	3,240.48	3/4	2,886.04
7		7		7		7	4,989.15	7	4,647.18	7	4,294.56	7	3,941.92	7	3,587.53	7	3,233.09	7	2,878.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,983.89	1/4	4,639.83	1/4	4,287.21	1/4	3,934.55	1/4	3,580.15	1/4	3,225.71	1/4	2,871.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,978.63	1/2	4,632.48	1/2	4,279.87	1/2	3,927.18	1/2	3,572.76	1/2	3,218.32	1/2	2,863.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,973.37	3/4	4,625.14	3/4	4,272.52	3/4	3,919.81	3/4	3,565.38	3/4	3,210.94	3/4	2,856.50
8		8		8		8	4,966.75	8	4,617.79	8	4,265.17	8	3,912.43	8	3,557.99	8	3,203.56	8	2,849.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,960.13	1/4	4,610.45	1/4	4,257.83	1/4	3,905.05	1/4	3,550.61	1/4	3,196.17	1/4	2,841.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,953.51	1/2	4,603.10	1/2	4,250.48	1/2	3,897.66	1/2	3,543.22	1/2	3,188.79	1/2	2,834.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,946.89	3/4	4,595.75	3/4	4,243.14	3/4	3,890.28	3/4	3,535.84	3/4	3,181.40	3/4	2,826.97
9		9		9		9	4,939.67	9	4,588.41	9	4,235.79	9	3,882.89	9	3,528.46	9	3,174.02	9	2,819.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,932.45	1/4	4,581.06	1/4	4,228.44	1/4	3,875.51	1/4	3,521.07	1/4	3,166.64	1/4	2,812.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,925.23	1/2	4,573.71	1/2	4,221.10	1/2	3,868.13	1/2	3,513.69	1/2	3,159.25	1/2	2,804.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,918.01	3/4	4,566.37	3/4	4,213.75	3/4	3,860.74	3/4	3,506.30	3/4	3,151.87	3/4	2,797.43
10		10		10		10	4,910.72	10	4,559.02	10	4,206.40	10	3,853.36	10	3,498.92	10	3,144.48	10	2,790.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,903.43	1/4	4,551.68	1/4	4,199.06	1/4	3,845.97	1/4	3,491.54	1/4	3,137.10	1/4	2,782.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,896.14	1/2	4,544.33	1/2	4,191.71	1/2	3,838.59	1/2	3,484.15	1/2	3,129.72	1/2	2,775.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,888.85	3/4	4,536.98	3/4	4,184.37	3/4	3,831.20	3/4	3,476.77	3/4	3,122.33	3/4	2,767.89
11		11		11		11	4,881.55	11	4,529.64	11	4,177.02	11	3,823.82	11	3,469.38	11	3,114.95	11	2,760.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,874.26	1/4	4,522.29	1/4	4,169.67	1/4	3,816.44	1/4	3,462.00	1/4	3,107.56	1/4	2,753.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,866.97	1/2	4,514.94	1/2	4,162.33	1/2	3,809.05	1/2	3,454.62	1/2	3,100.18	1/2	2,745.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,859.68	3/4	4,507.60	3/4	4,154.98	3/4	3,801.67	3/4	3,447.23	3/4	3,092.79	3/4	2,738.36

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 DEVICE".  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 29092"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 320

GAUGE HEIGHT 17'-10 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	2,730.97	0	2,376.54	0	2,021.98	0	1,667.37	0	1,312.76	0	958.51	0	604.51	0	260.53	0		0	
1/4	2,723.59	1/4	2,369.15	1/4	2,014.59	1/4	1,659.98	1/4	1,305.37	1/4	951.14	1/4	597.13	1/4	253.84	1/4		1/4	
1/2	2,716.21	1/2	2,361.77	1/2	2,007.20	1/2	1,652.59	1/2	1,297.98	1/2	943.77	1/2	589.75	1/2	247.15	1/2		1/2	
3/4	2,708.82	3/4	2,354.38	3/4	1,999.81	3/4	1,645.20	3/4	1,290.59	3/4	936.40	3/4	582.37	3/4	240.47	3/4		3/4	
1	2,701.44	1	2,347.00	1	1,992.43	1	1,637.82	1	1,283.21	1	929.03	1	574.99	1	233.87	1		1	
1/4	2,694.05	1/4	2,339.62	1/4	1,985.04	1/4	1,630.43	1/4	1,275.82	1/4	921.66	1/4	567.60	1/4	227.27	1/4		1/4	
1/2	2,686.67	1/2	2,332.23	1/2	1,977.65	1/2	1,623.04	1/2	1,268.43	1/2	914.29	1/2	560.22	1/2	220.67	1/2		1/2	
3/4	2,679.29	3/4	2,324.85	3/4	1,970.26	3/4	1,615.65	3/4	1,261.04	3/4	906.92	3/4	552.84	3/4	214.07	3/4		3/4	
2	2,671.90	2	2,317.46	2	1,962.87	2	1,608.26	2	1,253.66	2	899.55	2	545.46	2	207.56	2		2	
1/4	2,664.52	1/4	2,310.08	1/4	1,955.49	1/4	1,600.88	1/4	1,246.27	1/4	892.18	1/4	538.07	1/4	201.04	1/4		1/4	
1/2	2,657.13	1/2	2,302.70	1/2	1,948.10	1/2	1,593.49	1/2	1,238.88	1/2	884.81	1/2	530.69	1/2	194.53	1/2		1/2	
3/4	2,649.75	3/4	2,295.31	3/4	1,940.71	3/4	1,586.10	3/4	1,231.49	3/4	877.44	3/4	523.31	3/4	188.02	3/4		3/4	
3	2,642.36	3	2,287.93	3	1,933.32	3	1,578.71	3	1,224.10	3	870.07	3	515.93	3	181.60	3		3	
1/4	2,634.98	1/4	2,280.54	1/4	1,925.94	1/4	1,571.33	1/4	1,216.72	1/4	862.70	1/4	508.55	1/4	175.17	1/4		1/4	
1/2	2,627.60	1/2	2,273.16	1/2	1,918.55	1/2	1,563.94	1/2	1,209.33	1/2	855.33	1/2	501.16	1/2	168.74	1/2		1/2	
3/4	2,620.21	3/4	2,265.78	3/4	1,911.16	3/4	1,556.55	3/4	1,201.94	3/4	847.96	3/4	493.78	3/4	162.32	3/4		3/4	
4	2,612.83	4	2,258.39	4	1,903.77	4	1,549.16	4	1,194.55	4	840.59	4	486.42	4	155.98	4		4	
1/4	2,605.44	1/4	2,251.00	1/4	1,896.39	1/4	1,541.78	1/4	1,187.17	1/4	833.22	1/4	479.06	1/4	149.64	1/4		1/4	
1/2	2,598.06	1/2	2,243.61	1/2	1,889.00	1/2	1,534.39	1/2	1,179.78	1/2	825.85	1/2	471.70	1/2	143.30	1/2		1/2	
3/4	2,590.68	3/4	2,236.22	3/4	1,881.61	3/4	1,527.00	3/4	1,172.39	3/4	818.48	3/4	464.34	3/4	136.97	3/4		3/4	
5	2,583.29	5	2,228.83	5	1,874.22	5	1,519.61	5	1,165.01	5	811.11	5	457.03	5	130.73	5		5	
1/4	2,575.91	1/4	2,221.44	1/4	1,866.83	1/4	1,512.22	1/4	1,157.63	1/4	803.74	1/4	449.73	1/4	124.48	1/4		1/4	
1/2	2,568.52	1/2	2,214.06	1/2	1,859.45	1/2	1,504.84	1/2	1,150.25	1/2	796.37	1/2	442.43	1/2	118.24	1/2		1/2	
3/4	2,561.14	3/4	2,206.67	3/4	1,852.06	3/4	1,497.45	3/4	1,142.87	3/4	789.00	3/4	435.13	3/4	112.00	3/4		3/4	
6	2,553.76	6	2,199.28	6	1,844.67	6	1,490.06	6	1,135.49	6	781.63	6	427.91	6	105.86	6		6	
1/4	2,546.37	1/4	2,191.89	1/4	1,837.28	1/4	1,482.67	1/4	1,128.11	1/4	774.26	1/4	420.70	1/4	99.72	1/4		1/4	
1/2	2,538.99	1/2	2,184.51	1/2	1,829.90	1/2	1,475.29	1/2	1,120.73	1/2	766.89	1/2	413.48	1/2	93.58	1/2		1/2	
3/4	2,531.60	3/4	2,177.12	3/4	1,822.51	3/4	1,467.90	3/4	1,113.35	3/4	759.52	3/4	406.26	3/4	87.43	3/4		3/4	
7	2,524.22	7	2,169.73	7	1,815.12	7	1,460.51	7	1,105.98	7	752.14	7	399.13	7	81.40	7		7	
1/4	2,516.83	1/4	2,162.34	1/4	1,807.73	1/4	1,453.12	1/4	1,098.60	1/4	744.76	1/4	392.01	1/4	75.37	1/4		1/4	
1/2	2,509.45	1/2	2,154.95	1/2	1,800.35	1/2	1,445.74	1/2	1,091.22	1/2	737.38	1/2	384.88	1/2	69.34	1/2		1/2	
3/4	2,502.07	3/4	2,147.57	3/4	1,792.96	3/4	1,438.35	3/4	1,083.84	3/4	730.01	3/4	377.75	3/4	63.30	3/4		3/4	
8	2,494.68	8	2,140.18	8	1,785.57	8	1,430.96	8	1,076.47	8	722.62	8	370.71	8	57.39	8		8	
1/4	2,487.30	1/4	2,132.79	1/4	1,778.18	1/4	1,423.57	1/4	1,069.09	1/4	715.24	1/4	363.67	1/4	51.48	1/4		1/4	
1/2	2,479.91	1/2	2,125.40	1/2	1,770.79	1/2	1,416.18	1/2	1,061.71	1/2	707.86	1/2	356.63	1/2	45.58	1/2		1/2	
3/4	2,472.53	3/4	2,118.02	3/4	1,763.41	3/4	1,408.80	3/4	1,054.33	3/4	700.48	3/4	349.59	3/4	39.67	3/4		3/4	
9	2,465.15	9	2,110.63	9	1,756.02	9	1,401.41	9	1,046.96	9	693.10	9	342.63	9	34.57	9		9	
1/4	2,457.76	1/4	2,103.24	1/4	1,748.63	1/4	1,394.02	1/4	1,039.59	1/4	685.71	1/4	335.68	1/4	29.48	1/4		1/4	
1/2	2,450.38	1/2	2,095.85	1/2	1,741.24	1/2	1,386.63	1/2	1,032.21	1/2	678.33	1/2	328.73	1/2	24.39	1/2		1/2	
3/4	2,442.99	3/4	2,088.47	3/4	1,733.86	3/4	1,379.25	3/4	1,024.84	3/4	670.95	3/4	321.78	3/4	19.30	3/4		3/4	
10	2,435.61	10	2,081.08	10	1,726.47	10	1,371.86	10	1,017.47	10	663.57	10	314.91	10	16.26	10		10	
1/4	2,428.23	1/4	2,073.69	1/4	1,719.08	1/4	1,364.47	1/4	1,010.10	1/4	656.19	1/4	308.05	1/4	13.22	1/4		1/4	
1/2	2,420.84	1/2	2,066.30	1/2	1,711.69	1/2	1,357.08	1/2	1,002.73	1/2	648.81	1/2	301.18	1/2	10.18	1/2		1/2	
3/4	2,413.46	3/4	2,058.91	3/4	1,704.31	3/4	1,349.70	3/4	995.36	3/4	641.42	3/4	294.32	3/4	7.14	3/4		3/4	
11	2,406.07	11	2,051.53	11	1,696.92	11	1,342.31	11	987.99	11	634.04	11	287.54	11		11		11	
1/4	2,398.69	1/4	2,044.14	1/4	1,689.53	1/4	1,334.92	1/4	980.62	1/4	626.66	1/4	280.77	1/4		1/4		1/4	
1/2	2,391.31	1/2	2,036.75	1/2	1,682.14	1/2	1,327.53	1/2	973.25	1/2	619.28	1/2	273.99	1/2		1/2		1/2	
3/4	2,383.92	3/4	2,029.36	3/4	1,674.75	3/4	1,320.14	3/4	965.88	3/4	611.90	3/4	267.22	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/07/2015 PMA  
RECALCULATED: 06/09/2020 PMA  
NAME CHANGE: 06/09/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

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



# BARGE "KIRBY 29092"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 320

GAUGE HEIGHT 17'-11 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,866.97	0	4,514.94	0	4,162.33	0	3,809.05	0	3,454.62	0	3,100.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,859.68	1/4	4,507.60	1/4	4,154.98	1/4	3,801.67	1/4	3,447.23	1/4	3,092.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,852.39	1/2	4,500.25	1/2	4,147.63	1/2	3,794.28	1/2	3,439.85	1/2	3,085.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,845.10	3/4	4,492.91	3/4	4,140.29	3/4	3,786.90	3/4	3,432.46	3/4	3,078.03
1		1		1		1		1	4,837.81	1	4,485.56	1	4,132.94	1	3,779.52	1	3,425.08	1	3,070.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,830.52	1/4	4,478.21	1/4	4,125.60	1/4	3,772.13	1/4	3,417.70	1/4	3,063.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,823.23	1/2	4,470.87	1/2	4,118.25	1/2	3,764.75	1/2	3,410.31	1/2	3,055.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,815.94	3/4	4,463.52	3/4	4,110.90	3/4	3,757.36	3/4	3,402.93	3/4	3,048.49
2		2		2		2		2	4,808.65	2	4,456.18	2	4,103.56	2	3,749.98	2	3,395.54	2	3,041.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,801.36	1/4	4,448.83	1/4	4,096.21	1/4	3,742.60	1/4	3,388.16	1/4	3,033.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,794.04	1/2	4,441.48	1/2	4,088.87	1/2	3,735.21	1/2	3,380.77	1/2	3,026.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,786.71	3/4	4,434.14	3/4	4,081.52	3/4	3,727.83	3/4	3,373.39	3/4	3,018.95
3		3		3		3		3	4,779.39	3	4,426.79	3	4,074.17	3	3,720.44	3	3,366.01	3	3,011.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,772.06	1/4	4,419.44	1/4	4,066.83	1/4	3,713.06	1/4	3,358.62	1/4	3,004.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,764.72	1/2	4,412.10	1/2	4,059.48	1/2	3,705.68	1/2	3,351.24	1/2	2,996.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,757.37	3/4	4,404.75	3/4	4,052.13	3/4	3,698.29	3/4	3,343.85	3/4	2,989.42
4		4		4		4		4	4,750.02	4	4,397.41	4	4,044.79	4	3,690.91	4	3,336.47	4	2,982.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,742.68	1/4	4,390.06	1/4	4,037.44	1/4	3,683.52	1/4	3,329.09	1/4	2,974.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,735.33	1/2	4,382.71	1/2	4,030.10	1/2	3,676.14	1/2	3,321.70	1/2	2,967.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,727.98	3/4	4,375.37	3/4	4,022.75	3/4	3,668.75	3/4	3,314.32	3/4	2,959.88
5		5		5		5		5	4,720.64	5	4,368.02	5	4,015.40	5	3,661.37	5	3,306.93	5	2,952.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,713.29	1/4	4,360.67	1/4	4,008.06	1/4	3,653.99	1/4	3,299.55	1/4	2,945.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,705.95	1/2	4,353.33	1/2	4,000.71	1/2	3,646.60	1/2	3,292.17	1/2	2,937.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,698.60	3/4	4,345.98	3/4	3,993.36	3/4	3,639.22	3/4	3,284.78	3/4	2,930.34
6		6		6		6		6	4,691.25	6	4,338.64	6	3,986.02	6	3,631.83	6	3,277.40	6	2,922.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,683.91	1/4	4,331.29	1/4	3,978.67	1/4	3,624.45	1/4	3,270.01	1/4	2,915.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,005.75	1/2	4,676.56	1/2	4,323.94	1/2	3,971.33	1/2	3,617.07	1/2	3,262.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,001.97	3/4	4,669.22	3/4	4,316.60	3/4	3,963.98	3/4	3,609.68	3/4	3,255.24
7		7		7		7		7	4,998.19	7	4,661.87	7	4,309.25	7	3,956.63	7	3,602.30	7	3,247.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,994.41	1/4	4,654.52	1/4	4,301.91	1/4	3,949.29	1/4	3,594.91	1/4	3,240.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,989.15	1/2	4,647.18	1/2	4,294.56	1/2	3,941.92	1/2	3,587.53	1/2	3,233.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,983.89	3/4	4,639.83	3/4	4,287.21	3/4	3,934.55	3/4	3,580.15	3/4	3,225.71
8		8		8		8		8	4,978.63	8	4,632.48	8	4,279.87	8	3,927.18	8	3,572.76	8	3,218.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,973.37	1/4	4,625.14	1/4	4,272.52	1/4	3,919.81	1/4	3,565.38	1/4	3,210.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,966.75	1/2	4,617.79	1/2	4,265.17	1/2	3,912.43	1/2	3,557.99	1/2	3,203.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,960.13	3/4	4,610.45	3/4	4,257.83	3/4	3,905.05	3/4	3,550.61	3/4	3,196.17
9		9		9		9		9	4,953.51	9	4,603.10	9	4,250.48	9	3,897.66	9	3,543.22	9	3,188.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,946.89	1/4	4,595.75	1/4	4,243.14	1/4	3,890.28	1/4	3,535.84	1/4	3,181.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,939.67	1/2	4,588.41	1/2	4,235.79	1/2	3,882.89	1/2	3,528.46	1/2	3,174.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,932.45	3/4	4,581.06	3/4	4,228.44	3/4	3,875.51	3/4	3,521.07	3/4	3,166.64
10		10		10		10		10	4,925.23	10	4,573.71	10	4,221.10	10	3,868.13	10	3,513.69	10	3,159.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,918.01	1/4	4,566.37	1/4	4,213.75	1/4	3,860.74	1/4	3,506.30	1/4	3,151.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,910.72	1/2	4,559.02	1/2	4,206.40	1/2	3,853.36	1/2	3,498.92	1/2	3,144.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,903.43	3/4	4,551.68	3/4	4,199.06	3/4	3,845.97	3/4	3,491.54	3/4	3,137.10
11		11		11		11		11	4,896.14	11	4,544.33	11	4,191.71	11	3,838.59	11	3,484.15	11	3,129.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,888.85	1/4	4,536.98	1/4	4,184.37	1/4	3,831.20	1/4	3,476.77	1/4	3,122.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,881.55	1/2	4,529.64	1/2	4,177.02	1/2	3,823.82	1/2	3,469.38	1/2	3,114.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,874.26	3/4	4,522.29	3/4	4,169.67	3/4	3,816.44	3/4	3,462.00	3/4	3,107.56

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 DEVICE".  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 29092"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 320

GAUGE HEIGHT 17'-11 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	2,745.74	0	2,391.31	0	2,036.75	0	1,682.14	0	1,327.53	0	973.25	0	619.28	0	273.99	0		0	
1/4	2,738.36	1/4	2,383.92	1/4	2,029.36	1/4	1,674.75	1/4	1,320.14	1/4	965.88	1/4	611.90	1/4	267.22	1/4		1/4	
1/2	2,730.97	1/2	2,376.54	1/2	2,021.98	1/2	1,667.37	1/2	1,312.76	1/2	958.51	1/2	604.51	1/2	260.53	1/2		1/2	
3/4	2,723.59	3/4	2,369.15	3/4	2,014.59	3/4	1,659.98	3/4	1,305.37	3/4	951.14	3/4	597.13	3/4	253.84	3/4		3/4	
1	2,716.21	1	2,361.77	1	2,007.20	1	1,652.59	1	1,297.98	1	943.77	1	589.75	1	247.15	1		1	
1/4	2,708.82	1/4	2,354.38	1/4	1,999.81	1/4	1,645.20	1/4	1,290.59	1/4	936.40	1/4	582.37	1/4	240.47	1/4		1/4	
1/2	2,701.44	1/2	2,347.00	1/2	1,992.43	1/2	1,637.82	1/2	1,283.21	1/2	929.03	1/2	574.99	1/2	233.87	1/2		1/2	
3/4	2,694.05	3/4	2,339.62	3/4	1,985.04	3/4	1,630.43	3/4	1,275.82	3/4	921.66	3/4	567.60	3/4	227.27	3/4		3/4	
2	2,686.67	2	2,332.23	2	1,977.65	2	1,623.04	2	1,268.43	2	914.29	2	560.22	2	220.67	2		2	
1/4	2,679.29	1/4	2,324.85	1/4	1,970.26	1/4	1,615.65	1/4	1,261.04	1/4	906.92	1/4	552.84	1/4	214.07	1/4		1/4	
1/2	2,671.90	1/2	2,317.46	1/2	1,962.87	1/2	1,608.26	1/2	1,253.66	1/2	899.55	1/2	545.46	1/2	207.56	1/2		1/2	
3/4	2,664.52	3/4	2,310.08	3/4	1,955.49	3/4	1,600.88	3/4	1,246.27	3/4	892.18	3/4	538.07	3/4	201.04	3/4		3/4	
3	2,657.13	3	2,302.70	3	1,948.10	3	1,593.49	3	1,238.88	3	884.81	3	530.69	3	194.53	3		3	
1/4	2,649.75	1/4	2,295.31	1/4	1,940.71	1/4	1,586.10	1/4	1,231.49	1/4	877.44	1/4	523.31	1/4	188.02	1/4		1/4	
1/2	2,642.36	1/2	2,287.93	1/2	1,933.32	1/2	1,578.71	1/2	1,224.10	1/2	870.07	1/2	515.93	1/2	181.60	1/2		1/2	
3/4	2,634.98	3/4	2,280.54	3/4	1,925.94	3/4	1,571.33	3/4	1,216.72	3/4	862.70	3/4	508.55	3/4	175.17	3/4		3/4	
4	2,627.60	4	2,273.16	4	1,918.55	4	1,563.94	4	1,209.33	4	855.33	4	501.16	4	168.74	4		4	
1/4	2,620.21	1/4	2,265.78	1/4	1,911.16	1/4	1,556.55	1/4	1,201.94	1/4	847.96	1/4	493.78	1/4	162.32	1/4		1/4	
1/2	2,612.83	1/2	2,258.39	1/2	1,903.77	1/2	1,549.16	1/2	1,194.55	1/2	840.59	1/2	486.42	1/2	155.98	1/2		1/2	
3/4	2,605.44	3/4	2,251.00	3/4	1,896.39	3/4	1,541.78	3/4	1,187.17	3/4	833.22	3/4	479.06	3/4	149.64	3/4		3/4	
5	2,598.06	5	2,243.61	5	1,889.00	5	1,534.39	5	1,179.78	5	825.85	5	471.70	5	143.30	5		5	
1/4	2,590.68	1/4	2,236.22	1/4	1,881.61	1/4	1,527.00	1/4	1,172.39	1/4	818.48	1/4	464.34	1/4	136.97	1/4		1/4	
1/2	2,583.29	1/2	2,228.83	1/2	1,874.22	1/2	1,519.61	1/2	1,165.01	1/2	811.11	1/2	457.03	1/2	130.73	1/2		1/2	
3/4	2,575.91	3/4	2,221.44	3/4	1,866.83	3/4	1,512.22	3/4	1,157.63	3/4	803.74	3/4	449.73	3/4	124.48	3/4		3/4	
6	2,568.52	6	2,214.06	6	1,859.45	6	1,504.84	6	1,150.25	6	796.37	6	442.43	6	118.24	6		6	
1/4	2,561.14	1/4	2,206.67	1/4	1,852.06	1/4	1,497.45	1/4	1,142.87	1/4	789.00	1/4	435.13	1/4	112.00	1/4		1/4	
1/2	2,553.76	1/2	2,199.28	1/2	1,844.67	1/2	1,490.06	1/2	1,135.49	1/2	781.63	1/2	427.91	1/2	105.86	1/2		1/2	
3/4	2,546.37	3/4	2,191.89	3/4	1,837.28	3/4	1,482.67	3/4	1,128.11	3/4	774.26	3/4	420.70	3/4	99.72	3/4		3/4	
7	2,538.99	7	2,184.51	7	1,829.90	7	1,475.29	7	1,120.73	7	766.89	7	413.48	7	93.58	7		7	
1/4	2,531.60	1/4	2,177.12	1/4	1,822.51	1/4	1,467.90	1/4	1,113.35	1/4	759.52	1/4	406.26	1/4	87.43	1/4		1/4	
1/2	2,524.22	1/2	2,169.73	1/2	1,815.12	1/2	1,460.51	1/2	1,105.98	1/2	752.14	1/2	399.13	1/2	81.40	1/2		1/2	
3/4	2,516.83	3/4	2,162.34	3/4	1,807.73	3/4	1,453.12	3/4	1,098.60	3/4	744.76	3/4	392.01	3/4	75.37	3/4		3/4	
8	2,509.45	8	2,154.95	8	1,800.35	8	1,445.74	8	1,091.22	8	737.38	8	384.88	8	69.34	8		8	
1/4	2,502.07	1/4	2,147.57	1/4	1,792.96	1/4	1,438.35	1/4	1,083.84	1/4	730.01	1/4	377.75	1/4	63.30	1/4		1/4	
1/2	2,494.68	1/2	2,140.18	1/2	1,785.57	1/2	1,430.96	1/2	1,076.47	1/2	722.62	1/2	370.71	1/2	57.39	1/2		1/2	
3/4	2,487.30	3/4	2,132.79	3/4	1,778.18	3/4	1,423.57	3/4	1,069.09	3/4	715.24	3/4	363.67	3/4	51.48	3/4		3/4	
9	2,479.91	9	2,125.40	9	1,770.79	9	1,416.18	9	1,061.71	9	707.86	9	356.63	9	45.58	9		9	
1/4	2,472.53	1/4	2,118.02	1/4	1,763.41	1/4	1,408.80	1/4	1,054.33	1/4	700.48	1/4	349.59	1/4	39.67	1/4		1/4	
1/2	2,465.15	1/2	2,110.63	1/2	1,756.02	1/2	1,401.41	1/2	1,046.96	1/2	693.10	1/2	342.63	1/2	34.57	1/2		1/2	
3/4	2,457.76	3/4	2,103.24	3/4	1,748.63	3/4	1,394.02	3/4	1,039.59	3/4	685.71	3/4	335.68	3/4	29.48	3/4		3/4	
10	2,450.38	10	2,095.85	10	1,741.24	10	1,386.63	10	1,032.21	10	678.33	10	328.73	10	24.39	10		10	
1/4	2,442.99	1/4	2,088.47	1/4	1,733.86	1/4	1,379.25	1/4	1,024.84	1/4	670.95	1/4	321.78	1/4	19.30	1/4		1/4	
1/2	2,435.61	1/2	2,081.08	1/2	1,726.47	1/2	1,371.86	1/2	1,017.47	1/2	663.57	1/2	314.91	1/2	16.26	1/2		1/2	
3/4	2,428.23	3/4	2,073.69	3/4	1,719.08	3/4	1,364.47	3/4	1,010.10	3/4	656.19	3/4	308.05	3/4	13.22	3/4		3/4	
11	2,420.84	11	2,066.30	11	1,711.69	11	1,357.08	11	1,002.73	11	648.81	11	301.18	11	10.18	11		11	
1/4	2,413.46	1/4	2,058.91	1/4	1,704.31	1/4	1,349.70	1/4	995.36	1/4	641.42	1/4	294.32	1/4	7.14	1/4		1/4	
1/2	2,406.07	1/2	2,051.53	1/2	1,696.92	1/2	1,342.31	1/2	987.99	1/2	634.04	1/2	287.54	1/2		1/2		1/2	
3/4	2,398.69	3/4	2,044.14	3/4	1,689.53	3/4	1,334.92	3/4	980.62	3/4	626.66	3/4	280.77	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/07/2015 PMA  
RECALCULATED: 06/09/2020 PMA  
NAME CHANGE: 06/09/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

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



# BARGE "KIRBY 29092"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 320

GAUGE HEIGHT 17'-11 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,883.50	0	4,533.64	0	4,183.19	0	3,832.07	0	3,479.82	0	3,127.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,876.25	1/4	4,526.34	1/4	4,175.89	1/4	3,824.74	1/4	3,472.48	1/4	3,120.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,869.01	1/2	4,519.04	1/2	4,168.59	1/2	3,817.40	1/2	3,465.14	1/2	3,112.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,861.76	3/4	4,511.74	3/4	4,161.29	3/4	3,810.06	3/4	3,457.80	3/4	3,105.54
1		1		1		1		1	4,854.51	1	4,504.44	1	4,153.99	1	3,802.72	1	3,450.46	1	3,098.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,847.27	1/4	4,497.14	1/4	4,146.69	1/4	3,795.38	1/4	3,443.12	1/4	3,090.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,840.02	1/2	4,489.84	1/2	4,139.39	1/2	3,788.04	1/2	3,435.78	1/2	3,083.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,832.78	3/4	4,482.53	3/4	4,132.09	3/4	3,780.70	3/4	3,428.45	3/4	3,076.19
2		2		2		2		2	4,825.53	2	4,475.23	2	4,124.79	2	3,773.36	2	3,421.11	2	3,068.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,818.29	1/4	4,467.93	1/4	4,117.48	1/4	3,766.03	1/4	3,413.77	1/4	3,061.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,811.01	1/2	4,460.63	1/2	4,110.18	1/2	3,758.69	1/2	3,406.43	1/2	3,054.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,803.73	3/4	4,453.33	3/4	4,102.88	3/4	3,751.35	3/4	3,399.09	3/4	3,046.83
3		3		3		3		3	4,796.45	3	4,446.03	3	4,095.58	3	3,744.01	3	3,391.75	3	3,039.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,789.18	1/4	4,438.73	1/4	4,088.28	1/4	3,736.67	1/4	3,384.41	1/4	3,032.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,781.88	1/2	4,431.43	1/2	4,080.98	1/2	3,729.33	1/2	3,377.07	1/2	3,024.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,774.57	3/4	4,424.13	3/4	4,073.68	3/4	3,721.99	3/4	3,369.74	3/4	3,017.48
4		4		4		4		4	4,767.27	4	4,416.83	4	4,066.38	4	3,714.65	4	3,362.40	4	3,010.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,759.97	1/4	4,409.52	1/4	4,059.08	1/4	3,707.32	1/4	3,355.06	1/4	3,002.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,752.67	1/2	4,402.22	1/2	4,051.78	1/2	3,699.98	1/2	3,347.72	1/2	2,995.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,745.37	3/4	4,394.92	3/4	4,044.47	3/4	3,692.64	3/4	3,340.38	3/4	2,988.12
5		5		5		5		5	4,738.07	5	4,387.62	5	4,037.17	5	3,685.30	5	3,333.04	5	2,980.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,730.77	1/4	4,380.32	1/4	4,029.87	1/4	3,677.96	1/4	3,325.70	1/4	2,973.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,723.47	1/2	4,373.02	1/2	4,022.57	1/2	3,670.62	1/2	3,318.36	1/2	2,966.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,716.17	3/4	4,365.72	3/4	4,015.27	3/4	3,663.28	3/4	3,311.03	3/4	2,958.77
6		6		6		6		6	4,708.87	6	4,358.42	6	4,007.97	6	3,655.94	6	3,303.69	6	2,951.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,701.56	1/4	4,351.12	1/4	4,000.67	1/4	3,648.61	1/4	3,296.35	1/4	2,944.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,021.41	1/2	4,694.26	1/2	4,343.82	1/2	3,993.37	1/2	3,641.27	1/2	3,289.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,017.65	3/4	4,686.96	3/4	4,336.51	3/4	3,986.07	3/4	3,633.93	3/4	3,281.67
7		7		7		7		7	5,013.90	7	4,679.66	7	4,329.21	7	3,978.77	7	3,626.59	7	3,274.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,010.14	1/4	4,672.36	1/4	4,321.91	1/4	3,971.46	1/4	3,619.25	1/4	3,266.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,004.91	1/2	4,665.06	1/2	4,314.61	1/2	3,964.14	1/2	3,611.91	1/2	3,259.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,999.69	3/4	4,657.76	3/4	4,307.31	3/4	3,956.81	3/4	3,604.57	3/4	3,252.32
8		8		8		8		8	4,994.46	8	4,650.46	8	4,300.01	8	3,949.48	8	3,597.24	8	3,244.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,989.23	1/4	4,643.16	1/4	4,292.71	1/4	3,942.15	1/4	3,589.90	1/4	3,237.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,982.65	1/2	4,635.86	1/2	4,285.41	1/2	3,934.82	1/2	3,582.56	1/2	3,230.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,976.08	3/4	4,628.55	3/4	4,278.11	3/4	3,927.48	3/4	3,575.22	3/4	3,222.96
9		9		9		9		9	4,969.50	9	4,621.25	9	4,270.81	9	3,920.14	9	3,567.88	9	3,215.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,962.92	1/4	4,613.95	1/4	4,263.50	1/4	3,912.80	1/4	3,560.54	1/4	3,208.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,955.74	1/2	4,606.65	1/2	4,256.20	1/2	3,905.46	1/2	3,553.20	1/2	3,200.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,948.56	3/4	4,599.35	3/4	4,248.90	3/4	3,898.12	3/4	3,545.86	3/4	3,193.61
10		10		10		10		10	4,941.39	10	4,592.05	10	4,241.60	10	3,890.78	10	3,538.53	10	3,186.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,934.21	1/4	4,584.75	1/4	4,234.30	1/4	3,883.44	1/4	3,531.19	1/4	3,178.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,926.97	1/2	4,577.45	1/2	4,227.00	1/2	3,876.11	1/2	3,523.85	1/2	3,171.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,919.72	3/4	4,570.15	3/4	4,219.70	3/4	3,868.77	3/4	3,516.51	3/4	3,164.25
11		11		11		11		11	4,912.48	11	4,562.85	11	4,212.40	11	3,861.43	11	3,509.17	11	3,156.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,905.23	1/4	4,555.54	1/4	4,205.10	1/4	3,854.09	1/4	3,501.83	1/4	3,149.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,897.99	1/2	4,548.24	1/2	4,197.80	1/2	3,846.75	1/2	3,494.49	1/2	3,142.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,890.74	3/4	4,540.94	3/4	4,190.49	3/4	3,839.41	3/4	3,487.15	3/4	3,134.90

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 DEVICE".  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 29092"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 320

GAUGE HEIGHT 17'-11 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	2,775.30	0	2,423.04	0	2,070.67	0	1,718.24	0	1,365.99	0	1,021.36	0	678.73	0	326.58	0		0	
1/4	2,767.96	1/4	2,415.70	1/4	2,063.33	1/4	1,710.89	1/4	1,358.65	1/4	1,014.34	1/4	671.39	1/4	319.24	1/4		1/4	
1/2	2,760.62	1/2	2,408.37	1/2	2,055.99	1/2	1,703.55	1/2	1,351.31	1/2	1,007.31	1/2	664.06	1/2	311.91	1/2		1/2	
3/4	2,753.28	3/4	2,401.03	3/4	2,048.64	3/4	1,696.21	3/4	1,343.97	3/4	1,000.29	3/4	656.72	3/4	304.57	3/4		3/4	
1	2,745.95	1	2,393.69	1	2,041.30	1	1,688.87	1	1,336.63	1	993.27	1	649.38	1	297.23	1		1	
1/4	2,738.61	1/4	2,386.35	1/4	2,033.96	1/4	1,681.52	1/4	1,329.28	1/4	986.24	1/4	642.05	1/4	289.90	1/4		1/4	
1/2	2,731.27	1/2	2,379.01	1/2	2,026.62	1/2	1,674.18	1/2	1,321.94	1/2	979.22	1/2	634.71	1/2	282.56	1/2		1/2	
3/4	2,723.93	3/4	2,371.67	3/4	2,019.27	3/4	1,666.84	3/4	1,314.60	3/4	972.19	3/4	627.37	3/4	275.22	3/4		3/4	
2	2,716.59	2	2,364.33	2	2,011.93	2	1,659.50	2	1,307.26	2	965.17	2	620.04	2	267.89	2		2	
1/4	2,709.25	1/4	2,357.00	1/4	2,004.59	1/4	1,652.15	1/4	1,299.91	1/4	958.14	1/4	612.70	1/4	260.55	1/4		1/4	
1/2	2,701.91	1/2	2,349.66	1/2	1,997.25	1/2	1,644.81	1/2	1,292.57	1/2	951.12	1/2	605.37	1/2	253.21	1/2		1/2	
3/4	2,694.58	3/4	2,342.32	3/4	1,989.91	3/4	1,637.47	3/4	1,285.23	3/4	944.10	3/4	598.03	3/4	245.88	3/4		3/4	
3	2,687.24	3	2,334.98	3	1,982.56	3	1,630.13	3	1,277.89	3	937.07	3	590.69	3	238.54	3		3	
1/4	2,679.90	1/4	2,327.64	1/4	1,975.22	1/4	1,622.79	1/4	1,270.54	1/4	930.05	1/4	583.36	1/4	231.20	1/4		1/4	
1/2	2,672.56	1/2	2,320.30	1/2	1,967.88	1/2	1,615.44	1/2	1,263.20	1/2	923.02	1/2	576.02	1/2	223.86	1/2		1/2	
3/4	2,665.22	3/4	2,312.96	3/4	1,960.54	3/4	1,608.10	3/4	1,255.86	3/4	916.00	3/4	568.68	3/4	216.52	3/4		3/4	
4	2,657.88	4	2,305.62	4	1,953.19	4	1,600.76	4	1,248.52	4	908.97	4	561.35	4	209.18	4		4	
1/4	2,650.54	1/4	2,298.29	1/4	1,945.85	1/4	1,593.42	1/4	1,241.17	1/4	901.95	1/4	554.01	1/4	201.85	1/4		1/4	
1/2	2,643.20	1/2	2,290.94	1/2	1,938.51	1/2	1,586.08	1/2	1,233.83	1/2	894.93	1/2	546.67	1/2	194.51	1/2		1/2	
3/4	2,635.87	3/4	2,283.60	3/4	1,931.17	3/4	1,578.74	3/4	1,226.49	3/4	887.90	3/4	539.34	3/4	187.17	3/4		3/4	
5	2,628.53	5	2,276.26	5	1,923.82	5	1,571.40	5	1,219.15	5	880.88	5	532.00	5	179.83	5		5	
1/4	2,621.19	1/4	2,268.92	1/4	1,916.48	1/4	1,564.06	1/4	1,211.80	1/4	873.85	1/4	524.66	1/4	172.49	1/4		1/4	
1/2	2,613.85	1/2	2,261.57	1/2	1,909.14	1/2	1,556.73	1/2	1,204.64	1/2	866.83	1/2	517.33	1/2	165.16	1/2		1/2	
3/4	2,606.51	3/4	2,254.23	3/4	1,901.80	3/4	1,549.40	3/4	1,197.48	3/4	859.80	3/4	509.99	3/4	157.83	3/4		3/4	
6	2,599.17	6	2,246.89	6	1,894.45	6	1,542.06	6	1,190.32	6	852.78	6	502.65	6	150.49	6		6	
1/4	2,591.83	1/4	2,239.55	1/4	1,887.11	1/4	1,534.73	1/4	1,183.15	1/4	845.76	1/4	495.32	1/4	143.16	1/4		1/4	
1/2	2,584.49	1/2	2,232.20	1/2	1,879.77	1/2	1,527.39	1/2	1,176.10	1/2	838.73	1/2	487.98	1/2	135.84	1/2		1/2	
3/4	2,577.16	3/4	2,224.86	3/4	1,872.43	3/4	1,520.06	3/4	1,169.04	3/4	831.71	3/4	480.64	3/4	128.52	3/4		3/4	
7	2,569.82	7	2,217.52	7	1,865.08	7	1,512.73	7	1,161.99	7	824.68	7	473.31	7	121.20	7		7	
1/4	2,562.48	1/4	2,210.18	1/4	1,857.74	1/4	1,505.39	1/4	1,154.93	1/4	817.66	1/4	465.97	1/4	113.89	1/4		1/4	
1/2	2,555.14	1/2	2,202.83	1/2	1,850.40	1/2	1,498.06	1/2	1,147.89	1/2	810.44	1/2	458.64	1/2	106.59	1/2		1/2	
3/4	2,547.80	3/4	2,195.49	3/4	1,843.06	3/4	1,490.72	3/4	1,140.85	3/4	803.22	3/4	451.30	3/4	99.29	3/4		3/4	
8	2,540.46	8	2,188.15	8	1,835.71	8	1,483.39	8	1,133.81	8	796.00	8	443.96	8	91.99	8		8	
1/4	2,533.12	1/4	2,180.81	1/4	1,828.37	1/4	1,476.05	1/4	1,126.77	1/4	788.78	1/4	436.63	1/4	84.69	1/4		1/4	
1/2	2,525.79	1/2	2,173.47	1/2	1,821.03	1/2	1,468.72	1/2	1,119.74	1/2	781.44	1/2	429.29	1/2	77.42	1/2		1/2	
3/4	2,518.45	3/4	2,166.12	3/4	1,813.69	3/4	1,461.39	3/4	1,112.70	3/4	774.10	3/4	421.95	3/4	70.16	3/4		3/4	
9	2,511.11	9	2,158.78	9	1,806.35	9	1,454.05	9	1,105.67	9	766.77	9	414.62	9	62.90	9		9	
1/4	2,503.77	1/4	2,151.44	1/4	1,799.00	1/4	1,446.72	1/4	1,098.64	1/4	759.43	1/4	407.28	1/4	55.63	1/4		1/4	
1/2	2,496.43	1/2	2,144.10	1/2	1,791.66	1/2	1,439.38	1/2	1,091.61	1/2	752.10	1/2	399.94	1/2	49.09	1/2		1/2	
3/4	2,489.09	3/4	2,136.75	3/4	1,784.32	3/4	1,432.05	3/4	1,084.59	3/4	744.76	3/4	392.61	3/4	42.55	3/4		3/4	
10	2,481.75	10	2,129.41	10	1,776.98	10	1,424.71	10	1,077.56	10	737.42	10	385.27	10	36.01	10		10	
1/4	2,474.41	1/4	2,122.07	1/4	1,769.63	1/4	1,417.38	1/4	1,070.53	1/4	730.09	1/4	377.93	1/4	29.47	1/4		1/4	
1/2	2,467.08	1/2	2,114.73	1/2	1,762.29	1/2	1,410.04	1/2	1,063.51	1/2	722.75	1/2	370.60	1/2	24.88	1/2		1/2	
3/4	2,459.74	3/4	2,107.38	3/4	1,754.95	3/4	1,402.70	3/4	1,056.48	3/4	715.41	3/4	363.26	3/4	20.30	3/4		3/4	
11	2,452.40	11	2,100.04	11	1,747.61	11	1,395.36	11	1,049.46	11	708.08	11	355.92	11	15.71	11		11	
1/4	2,445.06	1/4	2,092.70	1/4	1,740.26	1/4	1,388.02	1/4	1,042.44	1/4	700.74	1/4	348.59	1/4	11.12	1/4		1/4	
1/2	2,437.72	1/2	2,085.36	1/2	1,732.92	1/2	1,380.68	1/2	1,035.41	1/2	693.40	1/2	341.25	1/2		1/2		1/2	
3/4	2,430.38	3/4	2,078.01	3/4	1,725.58	3/4	1,373.34	3/4	1,028.39	3/4	686.07	3/4	333.91	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/07/2015 PMA  
RECALCULATED: 06/09/2020 PMA  
NAME CHANGE: 06/09/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

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



# BARGE "KIRBY 29092"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 320

GAUGE HEIGHT 17'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,885.07	0	4,535.08	0	4,184.63	0	3,833.43	0	3,481.15	0	3,128.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,877.82	1/4	4,527.78	1/4	4,177.33	1/4	3,826.09	1/4	3,473.81	1/4	3,121.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,870.58	1/2	4,520.48	1/2	4,170.02	1/2	3,818.75	1/2	3,466.48	1/2	3,114.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,863.33	3/4	4,513.18	3/4	4,162.72	3/4	3,811.41	3/4	3,459.14	3/4	3,106.86
1		1		1		1		1	4,856.09	1	4,505.88	1	4,155.42	1	3,804.07	1	3,451.80	1	3,099.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,848.84	1/4	4,498.58	1/4	4,148.12	1/4	3,796.73	1/4	3,444.46	1/4	3,092.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,841.60	1/2	4,491.28	1/2	4,140.82	1/2	3,789.39	1/2	3,437.12	1/2	3,084.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,834.35	3/4	4,483.98	3/4	4,133.52	3/4	3,782.05	3/4	3,429.78	3/4	3,077.51
2		2		2		2		2	4,827.07	2	4,476.67	2	4,126.22	2	3,774.71	2	3,422.44	2	3,070.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,819.79	1/4	4,469.37	1/4	4,118.92	1/4	3,767.37	1/4	3,415.10	1/4	3,062.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,812.51	1/2	4,462.07	1/2	4,111.61	1/2	3,760.04	1/2	3,407.76	1/2	3,055.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,805.23	3/4	4,454.77	3/4	4,104.31	3/4	3,752.70	3/4	3,400.42	3/4	3,048.15
3		3		3		3		3	4,797.93	3	4,447.47	3	4,097.01	3	3,745.36	3	3,393.09	3	3,040.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,790.63	1/4	4,440.17	1/4	4,089.71	1/4	3,738.02	1/4	3,385.75	1/4	3,033.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,783.33	1/2	4,432.87	1/2	4,082.41	1/2	3,730.68	1/2	3,378.41	1/2	3,026.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,776.02	3/4	4,425.57	3/4	4,075.11	3/4	3,723.34	3/4	3,371.07	3/4	3,018.80
4		4		4		4		4	4,768.72	4	4,418.27	4	4,067.81	4	3,716.00	4	3,363.73	4	3,011.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,761.42	1/4	4,410.96	1/4	4,060.51	1/4	3,708.66	1/4	3,356.39	1/4	3,004.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,754.12	1/2	4,403.66	1/2	4,053.21	1/2	3,701.32	1/2	3,349.05	1/2	2,996.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,746.82	3/4	4,396.36	3/4	4,045.90	3/4	3,693.98	3/4	3,341.71	3/4	2,989.44
5		5		5		5		5	4,739.52	5	4,389.06	5	4,038.60	5	3,686.65	5	3,334.37	5	2,982.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,732.22	1/4	4,381.76	1/4	4,031.30	1/4	3,679.31	1/4	3,327.03	1/4	2,974.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.92	1/2	4,374.46	1/2	4,024.00	1/2	3,671.97	1/2	3,319.70	1/2	2,967.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.61	3/4	4,367.16	3/4	4,016.70	3/4	3,664.63	3/4	3,312.36	3/4	2,960.08
6		6		6		6	5,037.48	6	4,710.31	6	4,359.86	6	4,009.40	6	3,657.29	6	3,305.02	6	2,952.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,033.72	1/4	4,703.01	1/4	4,352.55	1/4	4,002.10	1/4	3,649.95	1/4	3,297.68	1/4	2,945.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,029.96	1/2	4,695.71	1/2	4,345.25	1/2	3,994.80	1/2	3,642.61	1/2	3,290.34	1/2	2,938.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,026.21	3/4	4,688.41	3/4	4,337.95	3/4	3,987.49	3/4	3,635.27	3/4	3,283.00	3/4	2,930.73
7		7		7		7	5,020.98	7	4,681.11	7	4,330.65	7	3,980.17	7	3,627.93	7	3,275.66	7	2,923.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,015.75	1/4	4,673.81	1/4	4,323.35	1/4	3,972.84	1/4	3,620.59	1/4	3,268.32	1/4	2,916.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,010.53	1/2	4,666.51	1/2	4,316.05	1/2	3,965.52	1/2	3,613.26	1/2	3,260.98	1/2	2,908.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,005.30	3/4	4,659.20	3/4	4,308.75	3/4	3,958.19	3/4	3,605.92	3/4	3,253.64	3/4	2,901.37
8		8		8		8	4,998.72	8	4,651.90	8	4,301.45	8	3,950.85	8	3,598.58	8	3,246.31	8	2,894.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,992.14	1/4	4,644.60	1/4	4,294.14	1/4	3,943.51	1/4	3,591.24	1/4	3,238.97	1/4	2,886.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,985.56	1/2	4,637.30	1/2	4,286.84	1/2	3,936.17	1/2	3,583.90	1/2	3,231.63	1/2	2,879.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,978.98	3/4	4,630.00	3/4	4,279.54	3/4	3,928.83	3/4	3,576.56	3/4	3,224.29	3/4	2,872.02
9		9		9		9	4,971.81	9	4,622.70	9	4,272.24	9	3,921.49	9	3,569.22	9	3,216.95	9	2,864.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,964.63	1/4	4,615.40	1/4	4,264.94	1/4	3,914.15	1/4	3,561.88	1/4	3,209.61	1/4	2,857.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,957.45	1/2	4,608.10	1/2	4,257.64	1/2	3,906.82	1/2	3,554.54	1/2	3,202.27	1/2	2,850.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,950.28	3/4	4,600.80	3/4	4,250.34	3/4	3,899.48	3/4	3,547.20	3/4	3,194.93	3/4	2,842.66
10		10		10		10	4,943.03	10	4,593.49	10	4,243.04	10	3,892.14	10	3,539.87	10	3,187.59	10	2,835.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,935.79	1/4	4,586.19	1/4	4,235.74	1/4	3,884.80	1/4	3,532.53	1/4	3,180.25	1/4	2,827.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,928.54	1/2	4,578.89	1/2	4,228.43	1/2	3,877.46	1/2	3,525.19	1/2	3,172.92	1/2	2,820.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,921.30	3/4	4,571.59	3/4	4,221.13	3/4	3,870.12	3/4	3,517.85	3/4	3,165.58	3/4	2,813.30
11		11		11		11	4,914.05	11	4,564.29	11	4,213.83	11	3,862.78	11	3,510.51	11	3,158.24	11	2,805.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,906.81	1/4	4,556.99	1/4	4,206.53	1/4	3,855.44	1/4	3,503.17	1/4	3,150.90	1/4	2,798.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,899.56	1/2	4,549.69	1/2	4,199.23	1/2	3,848.10	1/2	3,495.83	1/2	3,143.56	1/2	2,791.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,892.31	3/4	4,542.39	3/4	4,191.93	3/4	3,840.76	3/4	3,488.49	3/4	3,136.22	3/4	2,783.95

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC DEVICE".  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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





# BARGE "KIRBY 29092"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 320

GAUGE HEIGHT 17'-11"

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	2,776.61	0	2,424.34	0	2,071.95	0	1,719.50	0	1,367.11	0	1,015.31	0	663.88	0	311.72	0		0	
1/4	2,769.27	1/4	2,417.00	1/4	2,064.60	1/4	1,712.15	1/4	1,359.77	1/4	1,008.00	1/4	656.55	1/4	304.38	1/4		1/4	
1/2	2,761.93	1/2	2,409.66	1/2	2,057.26	1/2	1,704.81	1/2	1,352.43	1/2	1,000.69	1/2	649.21	1/2	297.04	1/2		1/2	
3/4	2,754.59	3/4	2,402.32	3/4	2,049.92	3/4	1,697.47	3/4	1,345.08	3/4	993.38	3/4	641.87	3/4	289.71	3/4		3/4	
1	2,747.25	1	2,394.98	1	2,042.58	1	1,690.13	1	1,337.74	1	986.07	1	634.54	1	282.37	1		1	
1/4	2,739.91	1/4	2,387.64	1/4	2,035.23	1/4	1,682.78	1/4	1,330.40	1/4	978.76	1/4	627.20	1/4	275.03	1/4		1/4	
1/2	2,732.58	1/2	2,380.30	1/2	2,027.89	1/2	1,675.44	1/2	1,323.05	1/2	971.45	1/2	619.86	1/2	267.70	1/2		1/2	
3/4	2,725.24	3/4	2,372.96	3/4	2,020.55	3/4	1,668.10	3/4	1,315.71	3/4	964.14	3/4	612.53	3/4	260.36	3/4		3/4	
2	2,717.90	2	2,365.63	2	2,013.20	2	1,660.75	2	1,308.37	2	956.83	2	605.19	2	253.02	2		2	
1/4	2,710.56	1/4	2,358.29	1/4	2,005.86	1/4	1,653.41	1/4	1,301.03	1/4	949.52	1/4	597.85	1/4	245.69	1/4		1/4	
1/2	2,703.22	1/2	2,350.95	1/2	1,998.52	1/2	1,646.07	1/2	1,293.68	1/2	942.20	1/2	590.52	1/2	238.35	1/2		1/2	
3/4	2,695.88	3/4	2,343.61	3/4	1,991.18	3/4	1,638.73	3/4	1,286.34	3/4	934.89	3/4	583.18	3/4	231.01	3/4		3/4	
3	2,688.54	3	2,336.27	3	1,983.83	3	1,631.38	3	1,279.00	3	927.58	3	575.84	3	223.67	3		3	
1/4	2,681.20	1/4	2,328.93	1/4	1,976.49	1/4	1,624.04	1/4	1,271.66	1/4	920.27	1/4	568.51	1/4	216.33	1/4		1/4	
1/2	2,673.86	1/2	2,321.59	1/2	1,969.15	1/2	1,616.70	1/2	1,264.31	1/2	912.96	1/2	561.17	1/2	208.99	1/2		1/2	
3/4	2,666.52	3/4	2,314.25	3/4	1,961.81	3/4	1,609.36	3/4	1,256.97	3/4	905.65	3/4	553.83	3/4	201.65	3/4		3/4	
4	2,659.19	4	2,306.91	4	1,954.46	4	1,602.01	4	1,249.63	4	898.34	4	546.50	4	194.31	4		4	
1/4	2,651.85	1/4	2,299.57	1/4	1,947.12	1/4	1,594.67	1/4	1,242.29	1/4	891.03	1/4	539.16	1/4	186.97	1/4		1/4	
1/2	2,644.51	1/2	2,292.23	1/2	1,939.78	1/2	1,587.33	1/2	1,234.94	1/2	883.72	1/2	531.82	1/2	179.64	1/2		1/2	
3/4	2,637.17	3/4	2,284.88	3/4	1,932.43	3/4	1,579.99	3/4	1,227.60	3/4	876.41	3/4	524.48	3/4	172.30	3/4		3/4	
5	2,629.83	5	2,277.54	5	1,925.09	5	1,572.65	5	1,220.26	5	869.10	5	517.15	5	164.96	5		5	
1/4	2,622.49	1/4	2,270.20	1/4	1,917.75	1/4	1,565.31	1/4	1,212.93	1/4	861.78	1/4	509.81	1/4	157.63	1/4		1/4	
1/2	2,615.15	1/2	2,262.86	1/2	1,910.41	1/2	1,557.97	1/2	1,205.59	1/2	854.47	1/2	502.47	1/2	150.30	1/2		1/2	
3/4	2,607.81	3/4	2,255.51	3/4	1,903.06	3/4	1,550.63	3/4	1,198.26	3/4	847.16	3/4	495.14	3/4	142.97	3/4		3/4	
6	2,600.47	6	2,248.17	6	1,895.72	6	1,543.29	6	1,190.93	6	839.85	6	487.80	6	135.65	6		6	
1/4	2,593.13	1/4	2,240.83	1/4	1,888.38	1/4	1,535.95	1/4	1,183.59	1/4	832.54	1/4	480.46	1/4	128.33	1/4		1/4	
1/2	2,585.80	1/2	2,233.49	1/2	1,881.04	1/2	1,528.61	1/2	1,176.26	1/2	825.23	1/2	473.13	1/2	121.01	1/2		1/2	
3/4	2,578.46	3/4	2,226.14	3/4	1,873.69	3/4	1,521.27	3/4	1,168.93	3/4	817.92	3/4	465.79	3/4	113.69	3/4		3/4	
7	2,571.12	7	2,218.80	7	1,866.35	7	1,513.93	7	1,161.61	7	810.59	7	458.45	7	106.39	7		7	
1/4	2,563.78	1/4	2,211.46	1/4	1,859.01	1/4	1,506.59	1/4	1,154.28	1/4	803.26	1/4	451.12	1/4	99.09	1/4		1/4	
1/2	2,556.44	1/2	2,204.11	1/2	1,851.66	1/2	1,499.25	1/2	1,146.96	1/2	795.94	1/2	443.78	1/2	91.79	1/2		1/2	
3/4	2,549.10	3/4	2,196.77	3/4	1,844.32	3/4	1,491.91	3/4	1,139.64	3/4	788.61	3/4	436.44	3/4	84.49	3/4		3/4	
8	2,541.76	8	2,189.43	8	1,836.98	8	1,484.57	8	1,132.32	8	781.27	8	429.11	8	77.23	8		8	
1/4	2,534.42	1/4	2,182.09	1/4	1,829.64	1/4	1,477.23	1/4	1,125.00	1/4	773.94	1/4	421.77	1/4	69.96	1/4		1/4	
1/2	2,527.08	1/2	2,174.74	1/2	1,822.29	1/2	1,469.89	1/2	1,117.68	1/2	766.60	1/2	414.43	1/2	62.70	1/2		1/2	
3/4	2,519.74	3/4	2,167.40	3/4	1,814.95	3/4	1,462.55	3/4	1,110.37	3/4	759.26	3/4	407.10	3/4	55.43	3/4		3/4	
9	2,512.41	9	2,160.06	9	1,807.61	9	1,455.21	9	1,103.05	9	751.93	9	399.76	9	48.89	9		9	
1/4	2,505.07	1/4	2,152.72	1/4	1,800.27	1/4	1,447.87	1/4	1,095.74	1/4	744.59	1/4	392.42	1/4	42.35	1/4		1/4	
1/2	2,497.73	1/2	2,145.37	1/2	1,792.92	1/2	1,440.53	1/2	1,088.42	1/2	737.25	1/2	385.09	1/2	35.81	1/2		1/2	
3/4	2,490.39	3/4	2,138.03	3/4	1,785.58	3/4	1,433.19	3/4	1,081.11	3/4	729.92	3/4	377.75	3/4	29.27	3/4		3/4	
10	2,483.05	10	2,130.69	10	1,778.24	10	1,425.85	10	1,073.80	10	722.58	10	370.41	10	24.69	10		10	
1/4	2,475.71	1/4	2,123.34	1/4	1,770.90	1/4	1,418.51	1/4	1,066.49	1/4	715.24	1/4	363.08	1/4	20.10	1/4		1/4	
1/2	2,468.37	1/2	2,116.00	1/2	1,763.55	1/2	1,411.17	1/2	1,059.18	1/2	707.90	1/2	355.74	1/2	15.51	1/2		1/2	
3/4	2,461.03	3/4	2,108.66	3/4	1,756.21	3/4	1,403.82	3/4	1,051.87	3/4	700.57	3/4	348.40	3/4	10.92	3/4		3/4	
11	2,453.69	11	2,101.32	11	1,748.87	11	1,396.48	11	1,044.56	11	693.23	11	341.06	11	11.12	11		11	
1/4	2,446.35	1/4	2,093.97	1/4	1,741.52	1/4	1,389.14	1/4	1,037.25	1/4	685.89	1/4	333.73	1/4		1/4		1/4	
1/2	2,439.02	1/2	2,086.63	1/2	1,734.18	1/2	1,381.80	1/2	1,029.94	1/2	678.56	1/2	326.39	1/2		1/2		1/2	
3/4	2,431.68	3/4	2,079.29	3/4	1,726.84	3/4	1,374.45	3/4	1,022.62	3/4	671.22	3/4	319.05	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/07/2015 PMA  
RECALCULATED: 06/09/2020 PMA  
NAME CHANGE: 06/09/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

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



# BARGE "KIRBY 29092"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 320

GAUGE HEIGHT 17'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	4,786.07	0	4,519.02	0	4,251.44	0	3,983.33	0	3,714.39	0	3,341.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,780.55	1/4	4,513.45	1/4	4,245.87	1/4	3,977.73	1/4	3,707.40	1/4	3,333.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,775.03	1/2	4,507.87	1/2	4,240.29	1/2	3,972.13	1/2	3,700.40	1/2	3,326.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,769.51	3/4	4,502.30	3/4	4,234.72	3/4	3,966.52	3/4	3,693.40	3/4	3,318.30		
1		1		1		1		1	4,764.00	1	4,496.72	1	4,229.14	1	3,960.92	1	3,686.40	1	3,310.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,758.48	1/4	4,491.15	1/4	4,223.57	1/4	3,955.32	1/4	3,678.57	1/4	3,302.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,752.96	1/2	4,485.57	1/2	4,217.99	1/2	3,949.72	1/2	3,670.74	1/2	3,294.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,747.44	3/4	4,480.00	3/4	4,212.42	3/4	3,944.11	3/4	3,662.91	3/4	3,286.97		
2		2		2		2		2	4,741.92	2	4,474.43	2	4,206.84	2	3,938.51	2	3,655.07	2	3,279.14		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,736.37	1/4	4,468.85	1/4	4,201.27	1/4	3,932.91	1/4	3,647.24	1/4	3,271.31		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,730.81	1/2	4,463.28	1/2	4,195.70	1/2	3,927.30	1/2	3,639.41	1/2	3,263.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,725.26	3/4	4,457.70	3/4	4,190.12	3/4	3,921.70	3/4	3,631.58	3/4	3,255.64		
3		3		3		3		3	4,719.71	3	4,451.13	3	4,184.55	3	3,916.10	3	3,623.75	3	3,247.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,714.13	1/4	4,446.55	1/4	4,178.97	1/4	3,910.49	1/4	3,615.91	1/4	3,239.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,708.56	1/2	4,440.98	1/2	4,173.40	1/2	3,904.89	1/2	3,608.08	1/2	3,232.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,702.98	3/4	4,435.40	3/4	4,167.82	3/4	3,899.29	3/4	3,600.25	3/4	3,224.31		
4		4		4		4		4	4,697.41	4	4,429.83	4	4,162.25	4	3,893.69	4	3,592.42	4	3,216.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,691.83	1/4	4,424.25	1/4	4,156.67	1/4	3,888.08	1/4	3,584.59	1/4	3,208.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,686.26	1/2	4,418.68	1/2	4,151.10	1/2	3,882.48	1/2	3,576.75	1/2	3,200.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,680.69	3/4	4,413.10	3/4	4,145.52	3/4	3,876.88	3/4	3,568.92	3/4	3,192.99		
5		5		5		5		5	4,675.11	5	4,407.53	5	4,139.95	5	3,871.27	5	3,561.09	5	3,185.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,669.54	1/4	4,401.96	1/4	4,134.37	1/4	3,865.67	1/4	3,553.26	1/4	3,177.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,663.96	1/2	4,396.38	1/2	4,128.80	1/2	3,860.07	1/2	3,545.43	1/2	3,169.49		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,658.39	3/4	4,390.81	3/4	4,123.23	3/4	3,854.47	3/4	3,537.59	3/4	3,161.66		
6		6		6		6		6	4,652.81	6	4,385.23	6	4,117.65	6	3,848.86	6	3,529.76	6	3,153.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,889.99	1/4	4,647.24	1/4	4,379.66	1/4	4,112.08	1/4	3,843.26	1/4	3,521.93	1/4	3,145.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,888.21	1/2	4,641.66	1/2	4,374.08	1/2	4,106.50	1/2	3,837.66	1/2	3,514.10	1/2	3,138.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,886.43	3/4	4,636.09	3/4	4,368.51	3/4	4,100.93	3/4	3,832.05	3/4	3,506.27	3/4	3,130.33
7		7		7		7		7	4,884.65	7	4,630.51	7	4,362.93	7	4,095.35	7	3,826.45	7	3,498.43	7	3,122.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,881.29	1/4	4,624.94	1/4	4,357.36	1/4	4,089.76	1/4	3,820.85	1/4	3,490.60	1/4	3,114.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,877.94	1/2	4,619.36	1/2	4,351.78	1/2	4,084.17	1/2	3,815.25	1/2	3,482.77	1/2	3,106.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,874.58	3/4	4,613.79	3/4	4,346.21	3/4	4,078.57	3/4	3,809.64	3/4	3,474.94	3/4	3,099.00
8		8		8		8		8	4,871.23	8	4,608.22	8	4,340.63	8	4,072.98	8	3,804.04	8	3,467.11	8	3,091.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,866.42	1/4	4,602.64	1/4	4,335.06	1/4	4,067.38	1/4	3,798.44	1/4	3,459.27	1/4	3,083.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,861.61	1/2	4,597.07	1/2	4,329.49	1/2	4,061.77	1/2	3,792.83	1/2	3,451.44	1/2	3,075.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,856.81	3/4	4,591.49	3/4	4,323.91	3/4	4,056.17	3/4	3,787.23	3/4	3,443.61	3/4	3,067.67
9		9		9		9		9	4,852.00	9	4,585.92	9	4,318.34	9	4,050.57	9	3,781.63	9	3,435.78	9	3,059.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,846.56	1/4	4,580.34	1/4	4,312.76	1/4	4,044.96	1/4	3,776.03	1/4	3,427.95	1/4	3,052.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,841.11	1/2	4,574.77	1/2	4,307.19	1/2	4,039.36	1/2	3,770.42	1/2	3,420.11	1/2	3,044.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,835.67	3/4	4,569.19	3/4	4,301.61	3/4	4,033.76	3/4	3,764.82	3/4	3,412.28	3/4	3,036.35
10		10		10		10		10	4,830.22	10	4,563.62	10	4,296.04	10	4,028.16	10	3,759.22	10	3,404.45	10	3,028.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,824.70	1/4	4,558.04	1/4	4,290.46	1/4	4,022.55	1/4	3,753.61	1/4	3,396.62	1/4	3,020.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,819.18	1/2	4,552.47	1/2	4,284.89	1/2	4,016.95	1/2	3,748.01	1/2	3,388.79	1/2	3,012.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,813.67	3/4	4,546.90	3/4	4,279.31	3/4	4,011.35	3/4	3,742.41	3/4	3,380.95	3/4	3,005.02
11		11		11		11		11	4,808.15	11	4,541.32	11	4,273.74	11	4,005.74	11	3,736.80	11	3,373.12	11	2,997.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,802.63	1/4	4,535.75	1/4	4,268.17	1/4	4,000.14	1/4	3,731.20	1/4	3,365.29	1/4	2,989.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,797.11	1/2	4,530.17	1/2	4,262.59	1/2	3,994.54	1/2	3,725.60	1/2	3,357.46	1/2	2,981.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,791.59	3/4	4,524.60	3/4	4,257.02	3/4	3,988.94	3/4	3,720.00	3/4	3,349.63	3/4	2,973.69

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 DEVICE".

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29092"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 320

GAUGE HEIGHT 17'-11"

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	2,965.86	0	2,589.85	0	2,214.38	0	1,837.93	0	1,462.11	0	1,089.35	0	718.50	0	341.97	0		0	
1/4	2,958.03	1/4	2,582.02	1/4	2,206.55	1/4	1,830.09	1/4	1,454.26	1/4	1,081.69	1/4	710.66	1/4	334.13	1/4		1/4	
1/2	2,950.19	1/2	2,574.19	1/2	2,198.72	1/2	1,822.24	1/2	1,446.42	1/2	1,074.03	1/2	702.81	1/2	326.28	1/2		1/2	
3/4	2,942.36	3/4	2,566.36	3/4	2,190.89	3/4	1,814.39	3/4	1,438.57	3/4	1,066.38	3/4	694.97	3/4	318.44	3/4		3/4	
1	2,934.53	1	2,558.53	1	2,183.06	1	1,806.55	1	1,430.72	1	1,058.72	1	687.12	1	310.59	1		1	
1/4	2,926.70	1/4	2,550.70	1/4	2,175.22	1/4	1,798.72	1/4	1,422.87	1/4	1,051.06	1/4	679.28	1/4	302.74	1/4		1/4	
1/2	2,918.87	1/2	2,542.88	1/2	2,167.38	1/2	1,790.90	1/2	1,415.03	1/2	1,043.41	1/2	671.44	1/2	294.88	1/2		1/2	
3/4	2,911.03	3/4	2,535.06	3/4	2,159.54	3/4	1,783.07	3/4	1,407.18	3/4	1,035.76	3/4	663.59	3/4	287.03	3/4		3/4	
2	2,903.20	2	2,527.24	2	2,151.70	2	1,775.25	2	1,399.33	2	1,028.10	2	655.75	2	279.17	2		2	
1/4	2,895.37	1/4	2,519.42	1/4	2,143.86	1/4	1,767.44	1/4	1,391.49	1/4	1,020.45	1/4	647.90	1/4	271.31	1/4		1/4	
1/2	2,887.54	1/2	2,511.59	1/2	2,136.03	1/2	1,759.62	1/2	1,383.64	1/2	1,012.80	1/2	640.06	1/2	263.44	1/2		1/2	
3/4	2,879.71	3/4	2,503.77	3/4	2,128.19	3/4	1,751.81	3/4	1,375.79	3/4	1,005.15	3/4	632.21	3/4	255.58	3/4		3/4	
3	2,871.87	3	2,495.95	3	2,120.35	3	1,744.00	3	1,367.95	3	997.50	3	624.37	3	247.72	3		3	
1/4	2,864.04	1/4	2,488.13	1/4	2,112.51	1/4	1,736.19	1/4	1,360.10	1/4	989.85	1/4	616.52	1/4	239.85	1/4		1/4	
1/2	2,856.21	1/2	2,480.31	1/2	2,104.66	1/2	1,728.37	1/2	1,352.25	1/2	982.20	1/2	608.68	1/2	231.99	1/2		1/2	
3/4	2,848.38	3/4	2,472.49	3/4	2,096.82	3/4	1,720.56	3/4	1,344.40	3/4	974.55	3/4	600.84	3/4	224.12	3/4		3/4	
4	2,840.55	4	2,464.66	4	2,088.98	4	1,712.75	4	1,336.56	4	966.90	4	592.99	4	216.26	4		4	
1/4	2,832.71	1/4	2,456.84	1/4	2,081.13	1/4	1,704.94	1/4	1,328.71	1/4	959.25	1/4	585.15	1/4	208.39	1/4		1/4	
1/2	2,824.88	1/2	2,449.02	1/2	2,073.29	1/2	1,697.12	1/2	1,320.86	1/2	951.60	1/2	577.30	1/2	200.53	1/2		1/2	
3/4	2,817.05	3/4	2,441.19	3/4	2,065.44	3/4	1,689.31	3/4	1,313.02	3/4	943.95	3/4	569.46	3/4	192.66	3/4		3/4	
5	2,809.22	5	2,433.37	5	2,057.60	5	1,681.50	5	1,305.17	5	936.30	5	561.61	5	184.80	5		5	
1/4	2,801.39	1/4	2,425.55	1/4	2,049.75	1/4	1,673.69	1/4	1,297.39	1/4	928.65	1/4	553.77	1/4	176.94	1/4		1/4	
1/2	2,793.55	1/2	2,417.72	1/2	2,041.91	1/2	1,665.87	1/2	1,289.61	1/2	921.00	1/2	545.93	1/2	169.08	1/2		1/2	
3/4	2,785.72	3/4	2,409.90	3/4	2,034.06	3/4	1,658.06	3/4	1,281.84	3/4	913.35	3/4	538.08	3/4	161.23	3/4		3/4	
6	2,777.89	6	2,402.07	6	2,026.22	6	1,650.25	6	1,274.06	6	905.70	6	530.24	6	153.37	6		6	
1/4	2,770.06	1/4	2,394.25	1/4	2,018.37	1/4	1,642.44	1/4	1,266.32	1/4	898.05	1/4	522.39	1/4	145.53	1/4		1/4	
1/2	2,762.23	1/2	2,386.42	1/2	2,010.52	1/2	1,634.62	1/2	1,258.58	1/2	890.40	1/2	514.55	1/2	137.68	1/2		1/2	
3/4	2,754.39	3/4	2,378.60	3/4	2,002.68	3/4	1,626.81	3/4	1,250.85	3/4	882.74	3/4	506.70	3/4	129.84	3/4		3/4	
7	2,746.56	7	2,370.77	7	1,994.83	7	1,619.00	7	1,243.11	7	875.09	7	498.86	7	121.99	7		7	
1/4	2,738.73	1/4	2,362.95	1/4	1,986.99	1/4	1,611.16	1/4	1,235.39	1/4	867.32	1/4	491.01	1/4	114.17	1/4		1/4	
1/2	2,730.90	1/2	2,355.13	1/2	1,979.14	1/2	1,603.33	1/2	1,227.66	1/2	859.55	1/2	483.17	1/2	106.35	1/2		1/2	
3/4	2,723.07	3/4	2,347.31	3/4	1,971.30	3/4	1,595.50	3/4	1,219.94	3/4	851.78	3/4	475.33	3/4	98.53	3/4		3/4	
8	2,715.23	8	2,339.49	8	1,963.45	8	1,587.66	8	1,212.21	8	844.01	8	467.48	8	90.71	8		8	
1/4	2,707.40	1/4	2,331.67	1/4	1,955.61	1/4	1,579.81	1/4	1,204.50	1/4	836.16	1/4	459.64	1/4	82.92	1/4		1/4	
1/2	2,699.57	1/2	2,323.85	1/2	1,947.76	1/2	1,571.97	1/2	1,196.78	1/2	828.32	1/2	451.79	1/2	75.14	1/2		1/2	
3/4	2,691.74	3/4	2,316.03	3/4	1,939.92	3/4	1,564.12	3/4	1,189.06	3/4	820.48	3/4	443.95	3/4	67.35	3/4		3/4	
9	2,683.91	9	2,308.21	9	1,932.07	9	1,556.27	9	1,181.35	9	812.63	9	436.10	9	59.57	9		9	
1/4	2,676.07	1/4	2,300.39	1/4	1,924.23	1/4	1,548.43	1/4	1,173.67	1/4	804.79	1/4	428.26	1/4	52.56	1/4		1/4	
1/2	2,668.24	1/2	2,292.57	1/2	1,916.38	1/2	1,540.58	1/2	1,165.98	1/2	796.94	1/2	420.41	1/2	45.55	1/2		1/2	
3/4	2,660.41	3/4	2,284.75	3/4	1,908.54	3/4	1,532.73	3/4	1,158.30	3/4	789.10	3/4	412.57	3/4	38.54	3/4		3/4	
10	2,652.58	10	2,276.93	10	1,900.69	10	1,524.89	10	1,150.62	10	781.26	10	404.73	10	31.53	10		10	
1/4	2,644.74	1/4	2,269.12	1/4	1,892.85	1/4	1,517.04	1/4	1,142.96	1/4	773.41	1/4	396.88	1/4	26.62	1/4		1/4	
1/2	2,636.90	1/2	2,261.30	1/2	1,885.00	1/2	1,509.19	1/2	1,135.31	1/2	765.57	1/2	389.04	1/2	21.70	1/2		1/2	
3/4	2,629.06	3/4	2,253.48	3/4	1,877.16	3/4	1,501.34	3/4	1,127.65	3/4	757.72	3/4	381.19	3/4	16.78	3/4		3/4	
11	2,621.22	11	2,245.66	11	1,869.31	11	1,493.50	11	1,119.99	11	749.88	11	373.35	11	11.87	11		11	
1/4	2,613.38	1/4	2,237.84	1/4	1,861.47	1/4	1,485.65	1/4	1,112.33	1/4	742.03	1/4	365.50	1/4		1/4		1/4	
1/2	2,605.53	1/2	2,230.02	1/2	1,853.62	1/2	1,477.80	1/2	1,104.67	1/2	734.19	1/2	357.66	1/2		1/2		1/2	
3/4	2,597.69	3/4	2,222.20	3/4	1,845.78	3/4	1,469.96	3/4	1,097.01	3/4	726.35	3/4	349.82	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/07/2015 PMA  
 RECALCULATED: 06/09/2020 PMA  
 NAME CHANGE: 06/09/2020 PMA

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 06/2020

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 & ANALYSIS, INC.  
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# BARGE "KIRBY 29092"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 320

GAUGE HEIGHT 17'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	4,806.26	0	4,539.13	0	4,271.46	0	4,003.27	0	3,734.24	0	3,360.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,800.74	1/4	4,533.55	1/4	4,265.88	1/4	3,997.66	1/4	3,727.23	1/4	3,352.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,795.22	1/2	4,527.98	1/2	4,260.31	1/2	3,992.06	1/2	3,720.23	1/2	3,344.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,789.70	3/4	4,522.40	3/4	4,254.73	3/4	3,986.45	3/4	3,713.22	3/4	3,337.09		
1		1		1		1		1	4,784.18	1	4,516.82	1	4,249.16	1	3,980.85	1	3,706.21	1	3,329.24		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,778.66	1/4	4,511.25	1/4	4,243.58	1/4	3,975.24	1/4	3,698.36	1/4	3,321.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,773.14	1/2	4,505.67	1/2	4,238.00	1/2	3,969.64	1/2	3,690.50	1/2	3,313.53		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,767.62	3/4	4,500.09	3/4	4,232.43	3/4	3,964.03	3/4	3,682.65	3/4	3,305.68		
2		2		2		2		2	4,762.10	2	4,494.52	2	4,226.85	2	3,958.43	2	3,674.80	2	3,297.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,756.54	1/4	4,488.94	1/4	4,221.27	1/4	3,952.83	1/4	3,666.94	1/4	3,289.97		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,750.99	1/2	4,483.36	1/2	4,215.70	1/2	3,947.22	1/2	3,659.09	1/2	3,282.12		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,745.43	3/4	4,477.79	3/4	4,210.12	3/4	3,941.62	3/4	3,651.23	3/4	3,274.26		
3		3		3		3		3	4,739.88	3	4,472.21	3	4,204.54	3	3,936.01	3	3,643.38	3	3,266.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,734.30	1/4	4,466.63	1/4	4,198.97	1/4	3,930.41	1/4	3,635.53	1/4	3,258.55		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,728.73	1/2	4,461.06	1/2	4,193.39	1/2	3,924.80	1/2	3,627.67	1/2	3,250.70		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,723.15	3/4	4,455.48	3/4	4,187.81	3/4	3,919.20	3/4	3,619.82	3/4	3,242.85		
4		4		4		4		4	4,717.57	4	4,449.91	4	4,182.24	4	3,913.59	4	3,611.97	4	3,234.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,712.00	1/4	4,444.33	1/4	4,176.66	1/4	3,907.99	1/4	3,604.11	1/4	3,227.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,706.42	1/2	4,438.75	1/2	4,171.09	1/2	3,902.38	1/2	3,596.26	1/2	3,219.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,700.84	3/4	4,433.18	3/4	4,165.51	3/4	3,896.78	3/4	3,588.41	3/4	3,211.43		
5		5		5		5		5	4,695.27	5	4,427.60	5	4,159.93	5	3,891.17	5	3,580.55	5	3,203.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,689.69	1/4	4,422.02	1/4	4,154.36	1/4	3,885.57	1/4	3,572.70	1/4	3,195.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,684.11	1/2	4,416.45	1/2	4,148.78	1/2	3,879.96	1/2	3,564.85	1/2	3,187.87		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,678.54	3/4	4,410.87	3/4	4,143.20	3/4	3,874.36	3/4	3,556.99	3/4	3,180.02		
6		6		6		6		6	4,672.96	6	4,405.29	6	4,137.63	6	3,868.75	6	3,549.14	6	3,172.17		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,910.22	1/4	4,667.39	1/4	4,399.72	1/4	4,132.05	1/4	3,863.15	1/4	3,541.28	1/4	3,164.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,908.44	1/2	4,661.81	1/2	4,394.14	1/2	4,126.47	1/2	3,857.55	1/2	3,533.43	1/2	3,156.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,906.65	3/4	4,656.23	3/4	4,388.57	3/4	4,120.90	3/4	3,851.94	3/4	3,525.58	3/4	3,148.60
7		7		7		7		7	4,904.87	7	4,650.66	7	4,382.99	7	4,115.32	7	3,846.34	7	3,517.72	7	3,140.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,901.51	1/4	4,645.08	1/4	4,377.41	1/4	4,109.73	1/4	3,840.73	1/4	3,509.87	1/4	3,132.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,898.16	1/2	4,639.50	1/2	4,371.84	1/2	4,104.13	1/2	3,835.13	1/2	3,502.02	1/2	3,125.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,894.80	3/4	4,633.93	3/4	4,366.26	3/4	4,098.54	3/4	3,829.52	3/4	3,494.16	3/4	3,117.19
8		8		8		8		8	4,891.44	8	4,628.35	8	4,360.68	8	4,092.94	8	3,823.92	8	3,486.31	8	3,109.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,886.64	1/4	4,622.77	1/4	4,355.11	1/4	4,087.34	1/4	3,818.31	1/4	3,478.46	1/4	3,101.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,881.83	1/2	4,617.20	1/2	4,349.53	1/2	4,081.73	1/2	3,812.71	1/2	3,470.60	1/2	3,093.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,877.02	3/4	4,611.62	3/4	4,343.95	3/4	4,076.13	3/4	3,807.10	3/4	3,462.75	3/4	3,085.78
9		9		9		9		9	4,872.21	9	4,606.04	9	4,338.38	9	4,070.52	9	3,801.50	9	3,454.89	9	3,077.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,866.77	1/4	4,600.47	1/4	4,332.80	1/4	4,064.92	1/4	3,795.89	1/4	3,447.04	1/4	3,070.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,861.32	1/2	4,594.89	1/2	4,327.22	1/2	4,059.31	1/2	3,790.29	1/2	3,439.19	1/2	3,062.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,855.87	3/4	4,589.32	3/4	4,321.65	3/4	4,053.71	3/4	3,784.68	3/4	3,431.33	3/4	3,054.36
10		10		10		10		10	4,850.42	10	4,583.74	10	4,316.07	10	4,048.11	10	3,779.08	10	3,423.48	10	3,046.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,844.90	1/4	4,578.16	1/4	4,310.50	1/4	4,042.50	1/4	3,773.47	1/4	3,415.63	1/4	3,038.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,839.38	1/2	4,572.59	1/2	4,304.92	1/2	4,036.90	1/2	3,767.87	1/2	3,407.77	1/2	3,030.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,833.86	3/4	4,567.01	3/4	4,299.34	3/4	4,031.29	3/4	3,762.27	3/4	3,399.92	3/4	3,022.95
11		11		11		11		11	4,828.34	11	4,561.43	11	4,293.77	11	4,025.69	11	3,756.66	11	3,392.07	11	3,015.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,822.82	1/4	4,555.86	1/4	4,288.19	1/4	4,020.08	1/4	3,751.06	1/4	3,384.21	1/4	3,007.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,817.30	1/2	4,550.28	1/2	4,282.61	1/2	4,014.48	1/2	3,745.45	1/2	3,376.36	1/2	2,999.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,811.78	3/4	4,544.70	3/4	4,277.04	3/4	4,008.87	3/4	3,739.85	3/4	3,368.51	3/4	2,991.53

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 DEVICE".  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 29092"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 320

GAUGE HEIGHT 17'-11"

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	2,983.68	0	2,606.63	0	2,229.01	0	1,851.34	0	1,473.67	0	1,096.22	0	719.48	0	342.07	0		0	
1/4	2,975.83	1/4	2,598.77	1/4	2,221.14	1/4	1,843.47	1/4	1,465.80	1/4	1,088.38	1/4	711.62	1/4	334.21	1/4		1/4	
1/2	2,967.97	1/2	2,590.90	1/2	2,213.27	1/2	1,835.60	1/2	1,457.94	1/2	1,080.53	1/2	703.76	1/2	326.35	1/2		1/2	
3/4	2,960.12	3/4	2,583.03	3/4	2,205.41	3/4	1,827.74	3/4	1,450.07	3/4	1,072.68	3/4	695.89	3/4	318.49	3/4		3/4	
1	2,952.26	1	2,575.17	1	2,197.54	1	1,819.87	1	1,442.20	1	1,064.83	1	688.03	1	310.62	1		1	
1/4	2,944.41	1/4	2,567.30	1/4	2,189.67	1/4	1,812.00	1/4	1,434.33	1/4	1,056.99	1/4	680.17	1/4	302.76	1/4		1/4	
1/2	2,936.56	1/2	2,559.44	1/2	2,181.80	1/2	1,804.13	1/2	1,426.46	1/2	1,049.15	1/2	672.31	1/2	294.90	1/2		1/2	
3/4	2,928.70	3/4	2,551.57	3/4	2,173.93	3/4	1,796.26	3/4	1,418.60	3/4	1,041.31	3/4	664.44	3/4	287.03	3/4		3/4	
2	2,920.85	2	2,543.71	2	2,166.06	2	1,788.40	2	1,410.73	2	1,033.47	2	656.58	2	279.17	2		2	
1/4	2,913.00	1/4	2,535.84	1/4	2,158.20	1/4	1,780.53	1/4	1,402.86	1/4	1,025.63	1/4	648.72	1/4	271.31	1/4		1/4	
1/2	2,905.14	1/2	2,527.98	1/2	2,150.33	1/2	1,772.66	1/2	1,394.99	1/2	1,017.79	1/2	640.86	1/2	263.45	1/2		1/2	
3/4	2,897.29	3/4	2,520.11	3/4	2,142.46	3/4	1,764.79	3/4	1,387.12	3/4	1,009.95	3/4	632.99	3/4	255.58	3/4		3/4	
3	2,889.44	3	2,512.25	3	2,134.59	3	1,756.92	3	1,379.25	3	1,002.11	3	625.13	3	247.72	3		3	
1/4	2,881.58	1/4	2,504.38	1/4	2,126.72	1/4	1,749.06	1/4	1,371.39	1/4	994.27	1/4	617.27	1/4	239.86	1/4		1/4	
1/2	2,873.73	1/2	2,496.52	1/2	2,118.86	1/2	1,741.19	1/2	1,363.52	1/2	986.43	1/2	609.41	1/2	231.99	1/2		1/2	
3/4	2,865.87	3/4	2,488.65	3/4	2,110.99	3/4	1,733.32	3/4	1,355.65	3/4	978.59	3/4	601.54	3/4	224.12	3/4		3/4	
4	2,858.02	4	2,480.78	4	2,103.12	4	1,725.45	4	1,347.78	4	970.76	4	593.68	4	216.26	4		4	
1/4	2,850.17	1/4	2,472.92	1/4	2,095.25	1/4	1,717.58	1/4	1,339.91	1/4	962.92	1/4	585.82	1/4	208.39	1/4		1/4	
1/2	2,842.31	1/2	2,465.05	1/2	2,087.38	1/2	1,709.71	1/2	1,332.05	1/2	955.08	1/2	577.95	1/2	200.53	1/2		1/2	
3/4	2,834.46	3/4	2,457.18	3/4	2,079.52	3/4	1,701.85	3/4	1,324.18	3/4	947.24	3/4	570.09	3/4	192.66	3/4		3/4	
5	2,826.61	5	2,449.32	5	2,071.65	5	1,693.98	5	1,316.31	5	939.40	5	562.23	5	184.80	5		5	
1/4	2,818.75	1/4	2,441.45	1/4	2,063.78	1/4	1,686.11	1/4	1,308.44	1/4	931.56	1/4	554.37	1/4	176.94	1/4		1/4	
1/2	2,810.90	1/2	2,433.58	1/2	2,055.91	1/2	1,678.24	1/2	1,300.57	1/2	923.72	1/2	546.50	1/2	169.08	1/2		1/2	
3/4	2,803.05	3/4	2,425.71	3/4	2,048.04	3/4	1,670.37	3/4	1,292.71	3/4	915.88	3/4	538.64	3/4	161.23	3/4		3/4	
6	2,795.19	6	2,417.84	6	2,040.18	6	1,662.51	6	1,284.84	6	908.05	6	530.78	6	153.37	6		6	
1/4	2,787.34	1/4	2,409.98	1/4	2,032.31	1/4	1,654.64	1/4	1,276.97	1/4	900.21	1/4	522.92	1/4	145.53	1/4		1/4	
1/2	2,779.49	1/2	2,402.11	1/2	2,024.44	1/2	1,646.77	1/2	1,269.10	1/2	892.37	1/2	515.05	1/2	137.68	1/2		1/2	
3/4	2,771.63	3/4	2,394.24	3/4	2,016.57	3/4	1,638.90	3/4	1,261.23	3/4	884.53	3/4	507.19	3/4	129.84	3/4		3/4	
7	2,763.78	7	2,386.37	7	2,008.70	7	1,631.03	7	1,253.37	7	876.69	7	499.33	7	122.00	7		7	
1/4	2,755.92	1/4	2,378.50	1/4	2,000.83	1/4	1,623.17	1/4	1,245.50	1/4	868.84	1/4	491.46	1/4	114.17	1/4		1/4	
1/2	2,748.07	1/2	2,370.64	1/2	1,992.97	1/2	1,615.30	1/2	1,237.63	1/2	860.98	1/2	483.60	1/2	106.35	1/2		1/2	
3/4	2,740.22	3/4	2,362.77	3/4	1,985.10	3/4	1,607.43	3/4	1,229.76	3/4	853.13	3/4	475.74	3/4	98.53	3/4		3/4	
8	2,732.36	8	2,354.90	8	1,977.23	8	1,599.56	8	1,221.89	8	845.28	8	467.88	8	90.71	8		8	
1/4	2,724.51	1/4	2,347.03	1/4	1,969.36	1/4	1,591.69	1/4	1,214.03	1/4	837.41	1/4	460.01	1/4	82.92	1/4		1/4	
1/2	2,716.66	1/2	2,339.16	1/2	1,961.49	1/2	1,583.83	1/2	1,206.16	1/2	829.55	1/2	452.15	1/2	75.14	1/2		1/2	
3/4	2,708.80	3/4	2,331.29	3/4	1,953.63	3/4	1,575.96	3/4	1,198.29	3/4	821.69	3/4	444.29	3/4	67.35	3/4		3/4	
9	2,700.95	9	2,323.43	9	1,945.76	9	1,568.09	9	1,190.42	9	813.83	9	436.43	9	59.57	9		9	
1/4	2,693.10	1/4	2,315.56	1/4	1,937.89	1/4	1,560.22	1/4	1,182.57	1/4	805.96	1/4	428.56	1/4	52.56	1/4		1/4	
1/2	2,685.24	1/2	2,307.69	1/2	1,930.02	1/2	1,552.35	1/2	1,174.71	1/2	798.10	1/2	420.70	1/2	45.55	1/2		1/2	
3/4	2,677.39	3/4	2,299.82	3/4	1,922.15	3/4	1,544.48	3/4	1,166.86	3/4	790.24	3/4	412.84	3/4	38.54	3/4		3/4	
10	2,669.53	10	2,291.95	10	1,914.29	10	1,536.62	10	1,159.00	10	782.38	10	404.98	10	31.53	10		10	
1/4	2,661.67	1/4	2,284.09	1/4	1,906.42	1/4	1,528.75	1/4	1,151.16	1/4	774.51	1/4	397.11	1/4	26.62	1/4		1/4	
1/2	2,653.81	1/2	2,276.22	1/2	1,898.55	1/2	1,520.88	1/2	1,143.31	1/2	766.65	1/2	389.25	1/2	21.70	1/2		1/2	
3/4	2,645.95	3/4	2,268.35	3/4	1,890.68	3/4	1,513.01	3/4	1,135.46	3/4	758.79	3/4	381.39	3/4	16.79	3/4		3/4	
11	2,638.09	11	2,260.48	11	1,882.81	11	1,505.14	11	1,127.61	11	750.93	11	373.52	11	11.87	11		11	
1/4	2,630.23	1/4	2,252.61	1/4	1,874.95	1/4	1,497.28	1/4	1,119.77	1/4	743.07	1/4	365.66	1/4		1/4		1/4	
1/2	2,622.36	1/2	2,244.75	1/2	1,867.08	1/2	1,489.41	1/2	1,111.92	1/2	735.20	1/2	357.80	1/2		1/2		1/2	
3/4	2,614.50	3/4	2,236.88	3/4	1,859.21	3/4	1,481.54	3/4	1,104.07	3/4	727.34	3/4	349.94	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/07/2015 PMA  
RECALCULATED: 06/09/2020 PMA  
NAME CHANGE: 06/09/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

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