



BARGE "KIRBY 27736"

ULLAGE TRIM TABLE
FORMERLY "CTCO 333"

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

(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 2 PORT IS 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

September 23, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27736"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 333"

GAUGE HEIGHT 16'-10"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,945.28		4,617.52		4,268.98		3,903.98		3,537.81		3,171.09		2,804.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,938.43	1/4	4,610.46	1/4	4,261.48	1/4	3,896.35	1/4	3,530.17	1/4	3,163.45	1/4	2,796.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,931.58	1/2	4,603.39	1/2	4,253.97	1/2	3,888.72	1/2	3,522.53	1/2	3,155.81	1/2	2,788.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,924.72	3/4	4,596.33	3/4	4,246.47	3/4	3,881.09	3/4	3,514.90	3/4	3,148.17	3/4	2,781.34
1	1	1	1	1	1	1	4,917.87	1	4,589.27	1	4,238.96	1	3,873.46	1	3,507.26	1	3,140.53	1	2,773.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,911.23	1/4	4,582.17	1/4	4,231.42	1/4	3,865.84	1/4	3,499.62	1/4	3,132.89	1/4	2,766.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,904.59	1/2	4,575.07	1/2	4,223.88	1/2	3,858.21	1/2	3,491.98	1/2	3,125.25	1/2	2,758.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,897.95	3/4	4,567.98	3/4	4,216.34	3/4	3,850.58	3/4	3,484.34	3/4	3,117.61	3/4	2,750.77
2	2	2	2	2	2	2	4,891.31	2	4,560.88	2	4,208.80	2	3,842.95	2	3,476.70	2	3,109.97	2	2,743.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,884.64	1/4	4,553.75	1/4	4,201.23	1/4	3,835.32	1/4	3,469.06	1/4	3,102.33	1/4	2,735.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,877.97	1/2	4,546.62	1/2	4,193.66	1/2	3,827.69	1/2	3,461.42	1/2	3,094.69	1/2	2,727.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,871.30	3/4	4,539.49	3/4	4,186.08	3/4	3,820.07	3/4	3,453.78	3/4	3,087.05	3/4	2,720.19
3	3	3	3	3	3	3	4,864.63	3	4,532.36	3	4,178.51	3	3,812.44	3	3,446.14	3	3,079.41	3	2,712.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,857.92	1/4	4,525.19	1/4	4,170.90	1/4	3,804.81	1/4	3,438.50	1/4	3,071.77	1/4	2,704.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,851.21	1/2	4,518.03	1/2	4,163.29	1/2	3,797.18	1/2	3,430.86	1/2	3,064.13	1/2	2,697.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,844.50	3/4	4,510.87	3/4	4,155.69	3/4	3,789.55	3/4	3,423.22	3/4	3,056.49	3/4	2,689.61
4	4	4	4	4	4	4	4,837.80	4	4,503.70	4	4,148.08	4	3,781.92	4	3,415.58	4	3,048.85	4	2,681.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,831.05	1/4	4,496.50	1/4	4,140.45	1/4	3,774.29	1/4	3,407.94	1/4	3,041.21	1/4	2,674.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,824.31	1/2	4,489.31	1/2	4,132.83	1/2	3,766.67	1/2	3,400.30	1/2	3,033.57	1/2	2,666.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,817.56	3/4	4,482.11	3/4	4,125.20	3/4	3,759.04	3/4	3,392.66	3/4	3,025.93	3/4	2,659.04
5	5	5	5	5	5	5	4,810.82	5	4,474.91	5	4,117.58	5	3,751.41	5	3,385.02	5	3,018.29	5	2,651.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,804.04	1/4	4,467.68	1/4	4,109.95	1/4	3,743.78	1/4	3,377.38	1/4	3,010.65	1/4	2,643.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,797.26	1/2	4,460.45	1/2	4,102.32	1/2	3,736.15	1/2	3,369.74	1/2	3,003.01	1/2	2,636.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,790.48	3/4	4,453.22	3/4	4,094.69	3/4	3,728.52	3/4	3,362.10	3/4	2,995.37	3/4	2,628.46
6	6	6	6	6	6	6	4,783.70	6	4,445.98	6	4,087.06	6	3,720.89	6	3,354.46	6	2,987.73	6	2,620.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,776.89	1/4	4,438.71	1/4	4,079.43	1/4	3,713.27	1/4	3,346.82	1/4	2,980.09	1/4	2,613.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,770.07	1/2	4,431.44	1/2	4,071.81	1/2	3,705.64	1/2	3,339.18	1/2	2,972.45	1/2	2,605.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,763.26	3/4	4,424.17	3/4	4,064.18	3/4	3,698.01	3/4	3,331.54	3/4	2,964.80	3/4	2,597.88
7	7	7	5,091.38	7	4,756.45	7	4,416.90	7	4,056.55	7	3,690.38	7	3,323.90	7	2,957.16	7	2,590.24		
1/4	1/4	1/4	5,084.95	1/4	4,749.60	1/4	4,409.57	1/4	4,048.92	1/4	3,682.75	1/4	3,316.26	1/4	2,949.52	1/4	2,582.59		
1/2	1/2	1/2	5,078.52	1/2	4,742.76	1/2	4,402.25	1/2	4,041.29	1/2	3,675.12	1/2	3,308.62	1/2	2,941.87	1/2	2,574.95		
3/4	3/4	3/4	5,072.09	3/4	4,735.91	3/4	4,394.92	3/4	4,033.66	3/4	3,667.50	3/4	3,300.98	3/4	2,934.23	3/4	2,567.31		
8	8	8	5,065.67	8	4,729.07	8	4,387.60	8	4,026.03	8	3,659.87	8	3,293.34	8	2,926.58	8	2,559.66		
1/4	1/4	1/4	5,058.28	1/4	4,722.16	1/4	4,380.24	1/4	4,018.41	1/4	3,652.24	1/4	3,285.70	1/4	2,918.94	1/4	2,552.02		
1/2	1/2	1/2	5,050.90	1/2	4,715.25	1/2	4,372.87	1/2	4,010.78	1/2	3,644.61	1/2	3,278.06	1/2	2,911.29	1/2	2,544.37		
3/4	3/4	3/4	5,043.52	3/4	4,708.34	3/4	4,365.51	3/4	4,003.15	3/4	3,636.98	3/4	3,270.42	3/4	2,903.65	3/4	2,536.73		
9	9	9	5,036.14	9	4,701.43	9	4,358.15	9	3,995.52	9	3,629.35	9	3,262.78	9	2,896.01	9	2,529.08		
1/4	1/4	1/4	5,028.57	1/4	4,694.47	1/4	4,350.75	1/4	3,987.89	1/4	3,621.72	1/4	3,255.14	1/4	2,888.36	1/4	2,521.44		
1/2	1/2	1/2	5,020.99	1/2	4,687.52	1/2	4,343.35	1/2	3,980.26	1/2	3,614.10	1/2	3,247.50	1/2	2,880.72	1/2	2,513.80		
3/4	3/4	3/4	5,013.42	3/4	4,680.57	3/4	4,335.96	3/4	3,972.64	3/4	3,606.47	3/4	3,239.85	3/4	2,873.07	3/4	2,506.15		
10	10	10	5,005.85	10	4,673.61	10	4,328.56	10	3,965.01	10	3,598.84	10	3,232.21	10	2,865.43	10	2,498.51		
1/4	1/4	1/4	4,998.28	1/4	4,666.62	1/4	4,321.13	1/4	3,957.38	1/4	3,591.21	1/4	3,224.57	1/4	2,857.79	1/4	2,490.86		
1/2	1/2	1/2	4,990.71	1/2	4,659.63	1/2	4,313.70	1/2	3,949.75	1/2	3,583.58	1/2	3,216.93	1/2	2,850.14	1/2	2,483.22		
3/4	3/4	3/4	4,983.14	3/4	4,652.63	3/4	4,306.27	3/4	3,942.12	3/4	3,575.95	3/4	3,209.29	3/4	2,842.50	3/4	2,475.58		
11	11	11	4,975.57	11	4,645.64	11	4,298.84	11	3,934.49	11	3,568.32	11	3,201.65	11	2,834.85	11	2,467.93		
1/4	1/4	1/4	4,968.00	1/4	4,638.61	1/4	4,291.37	1/4	3,926.86	1/4	3,560.70	1/4	3,194.01	1/4	2,827.21	1/4	2,460.29		
1/2	1/2	1/2	4,960.43	1/2	4,631.58	1/2	4,283.91	1/2	3,919.24	1/2	3,553.07	1/2	3,186.37	1/2	2,819.56	1/2	2,452.64		
3/4	3/4	3/4	4,952.86	3/4	4,624.55	3/4	4,276.45	3/4	3,911.61	3/4	3,545.44	3/4	3,178.73	3/4	2,811.92	3/4	2,445.00		

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27736"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 333"

GAUGE HEIGHT 16'-10"

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	2,437.35	0	2,070.43	0	1,709.66	0	1,342.67	0	976.63	0	610.92	0	261.36	0		0		0	
1/4	2,429.71	1/4	2,062.79	1/4	1,702.02	1/4	1,335.03	1/4	969.03	1/4	603.27	1/4	254.63	1/4	1/4		1/4		1/4
1/2	2,422.07	1/2	2,055.14	1/2	1,694.37	1/2	1,327.38	1/2	961.44	1/2	595.63	1/2	247.89	1/2	1/2		1/2		1/2
3/4	2,414.42	3/4	2,047.50	3/4	1,686.73	3/4	1,319.74	3/4	953.84	3/4	587.98	3/4	241.16	3/4	3/4		3/4		3/4
1	2,406.78	1	2,039.86	1	1,679.08	1	1,312.09	1	946.25	1	580.33	1	234.42	1	1		1		1
1/4	2,399.13	1/4	2,032.75	1/4	1,671.43	1/4	1,304.45	1/4	938.65	1/4	572.70	1/4	227.78	1/4	1/4		1/4		1/4
1/2	2,391.49	1/2	2,025.65	1/2	1,663.79	1/2	1,296.80	1/2	931.06	1/2	565.06	1/2	221.13	1/2	1/2		1/2		1/2
3/4	2,383.85	3/4	2,018.55	3/4	1,656.14	3/4	1,289.15	3/4	923.46	3/4	557.42	3/4	214.48	3/4	3/4		3/4		3/4
2	2,376.20	2	2,011.45	2	1,648.50	2	1,281.51	2	915.87	2	549.79	2	207.83	2	2		2		2
1/4	2,368.56	1/4	2,004.52	1/4	1,640.85	1/4	1,273.86	1/4	908.27	1/4	542.19	1/4	201.27	1/4	1/4		1/4		1/4
1/2	2,360.91	1/2	1,997.60	1/2	1,633.21	1/2	1,266.22	1/2	900.68	1/2	534.60	1/2	194.71	1/2	1/2		1/2		1/2
3/4	2,353.27	3/4	1,990.68	3/4	1,625.56	3/4	1,258.57	3/4	893.09	3/4	527.00	3/4	188.15	3/4	3/4		3/4		3/4
3	2,345.62	3	1,983.76	3	1,617.91	3	1,250.93	3	885.49	3	519.41	3	181.59	3	3		3		3
1/4	2,337.98	1/4	1,976.32	1/4	1,610.27	1/4	1,243.28	1/4	877.90	1/4	511.89	1/4	175.12	1/4	1/4		1/4		1/4
1/2	2,330.34	1/2	1,968.88	1/2	1,602.62	1/2	1,235.63	1/2	870.30	1/2	504.38	1/2	168.64	1/2	1/2		1/2		1/2
3/4	2,322.69	3/4	1,961.44	3/4	1,594.98	3/4	1,227.99	3/4	862.71	3/4	496.86	3/4	162.17	3/4	3/4		3/4		3/4
4	2,315.05	4	1,954.01	4	1,587.33	4	1,220.34	4	855.11	4	489.35	4	155.70	4	4		4		4
1/4	2,307.40	1/4	1,946.40	1/4	1,579.69	1/4	1,212.70	1/4	847.52	1/4	481.92	1/4	149.31	1/4	1/4		1/4		1/4
1/2	2,299.76	1/2	1,938.78	1/2	1,572.04	1/2	1,205.05	1/2	839.92	1/2	474.49	1/2	142.93	1/2	1/2		1/2		1/2
3/4	2,292.11	3/4	1,931.17	3/4	1,564.40	3/4	1,197.41	3/4	832.33	3/4	467.06	3/4	136.55	3/4	3/4		3/4		3/4
5	2,284.47	5	1,923.56	5	1,556.75	5	1,189.76	5	824.73	5	459.64	5	130.17	5	5		5		5
1/4	2,276.83	1/4	1,915.95	1/4	1,549.10	1/4	1,182.12	1/4	817.14	1/4	452.29	1/4	123.88	1/4	1/4		1/4		1/4
1/2	2,269.18	1/2	1,908.34	1/2	1,541.46	1/2	1,174.47	1/2	809.55	1/2	444.95	1/2	117.59	1/2	1/2		1/2		1/2
3/4	2,261.54	3/4	1,900.73	3/4	1,533.81	3/4	1,166.82	3/4	801.95	3/4	437.61	3/4	111.30	3/4	3/4		3/4		3/4
6	2,253.89	6	1,893.12	6	1,526.17	6	1,159.18	6	794.36	6	430.27	6	105.01	6	6		6		6
1/4	2,246.25	1/4	1,885.49	1/4	1,518.52	1/4	1,151.56	1/4	786.72	1/4	423.01	1/4	98.82	1/4	1/4		1/4		1/4
1/2	2,238.61	1/2	1,877.85	1/2	1,510.88	1/2	1,143.93	1/2	779.09	1/2	415.76	1/2	92.62	1/2	1/2		1/2		1/2
3/4	2,230.96	3/4	1,870.21	3/4	1,503.23	3/4	1,136.31	3/4	771.46	3/4	408.50	3/4	86.43	3/4	3/4		3/4		3/4
7	2,223.32	7	1,862.57	7	1,495.59	7	1,128.68	7	763.82	7	401.25	7	80.24	7	7		7		7
1/4	2,215.67	1/4	1,854.93	1/4	1,487.94	1/4	1,121.07	1/4	756.18	1/4	394.08	1/4	74.15	1/4	1/4		1/4		1/4
1/2	2,208.03	1/2	1,847.28	1/2	1,480.29	1/2	1,113.45	1/2	748.53	1/2	386.91	1/2	68.07	1/2	1/2		1/2		1/2
3/4	2,200.38	3/4	1,839.64	3/4	1,472.65	3/4	1,105.84	3/4	740.89	3/4	379.75	3/4	61.98	3/4	3/4		3/4		3/4
8	2,192.74	8	1,831.99	8	1,465.00	8	1,098.22	8	733.24	8	372.58	8	55.90	8	8		8		8
1/4	2,185.10	1/4	1,824.35	1/4	1,457.36	1/4	1,090.62	1/4	725.60	1/4	365.50	1/4	50.60	1/4	1/4		1/4		1/4
1/2	2,177.45	1/2	1,816.70	1/2	1,449.71	1/2	1,083.01	1/2	717.95	1/2	358.41	1/2	45.30	1/2	1/2		1/2		1/2
3/4	2,169.81	3/4	1,809.05	3/4	1,442.07	3/4	1,075.40	3/4	710.31	3/4	351.33	3/4	39.99	3/4	3/4		3/4		3/4
9	2,162.16	9	1,801.41	9	1,434.42	9	1,067.80	9	702.66	9	344.25	9	34.69	9	9		9		9
1/4	2,154.52	1/4	1,793.76	1/4	1,426.77	1/4	1,060.20	1/4	695.02	1/4	337.26	1/4	30.80	1/4	1/4		1/4		1/4
1/2	2,146.87	1/2	1,786.12	1/2	1,419.13	1/2	1,052.60	1/2	687.37	1/2	330.26	1/2	26.91	1/2	1/2		1/2		1/2
3/4	2,139.23	3/4	1,778.47	3/4	1,411.48	3/4	1,044.99	3/4	679.72	3/4	323.27	3/4	23.02	3/4	3/4		3/4		3/4
10	2,131.59	10	1,770.83	10	1,403.84	10	1,037.39	10	672.08	10	316.27	10	19.14	10	10		10		10
1/4	2,123.94	1/4	1,763.18	1/4	1,396.19	1/4	1,029.79	1/4	664.43	1/4	309.37	1/4		1/4	1/4		1/4		1/4
1/2	2,116.30	1/2	1,755.54	1/2	1,388.55	1/2	1,022.20	1/2	656.79	1/2	302.46	1/2		1/2	1/2		1/2		1/2
3/4	2,108.65	3/4	1,747.89	3/4	1,380.90	3/4	1,014.60	3/4	649.14	3/4	295.55	3/4		3/4	3/4		3/4		3/4
11	2,101.01	11	1,740.24	11	1,373.26	11	1,007.00	11	641.50	11	288.64	11		11	11		11		11
1/4	2,093.37	1/4	1,732.60	1/4	1,365.61	1/4	999.41	1/4	633.85	1/4	281.82	1/4		1/4	1/4		1/4		1/4
1/2	2,085.72	1/2	1,724.95	1/2	1,357.96	1/2	991.82	1/2	626.21	1/2	275.00	1/2		1/2	1/2		1/2		1/2
3/4	2,078.08	3/4	1,717.31	3/4	1,350.32	3/4	984.22	3/4	618.56	3/4	268.18	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2014 PMA
RECALCULATED: 09/27/2019 PMA
NAME CHANGE: 09/27/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "KIRBY 27736"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 333"

GAUGE HEIGHT 16'-09 3/4"

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	4,935.97	0	4,607.92	0	4,258.86	0	3,893.65	0	3,527.40	0	3,161.15	0	2,794.80		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,929.11	1/4	4,600.85	1/4	4,251.35	1/4	3,886.02	1/4	3,519.77	1/4	3,153.52	1/4	2,787.17		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,922.26	1/2	4,593.79	1/2	4,243.85	1/2	3,878.39	1/2	3,512.14	1/2	3,145.89	1/2	2,779.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,915.40	3/4	4,586.73	3/4	4,236.34	3/4	3,870.76	3/4	3,504.51	3/4	3,138.26	3/4	2,771.90		
1		1		1		1	4,908.76	1	4,579.63	1	4,228.80	1	3,863.13	1	3,496.88	1	3,130.63	1	2,764.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,902.12	1/4	4,572.53	1/4	4,221.26	1/4	3,855.50	1/4	3,489.25	1/4	3,123.00	1/4	2,756.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,895.48	1/2	4,565.43	1/2	4,213.72	1/2	3,847.87	1/2	3,481.62	1/2	3,115.37	1/2	2,749.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,888.84	3/4	4,558.33	3/4	4,206.17	3/4	3,840.24	3/4	3,473.99	3/4	3,107.74	3/4	2,741.36		
2		2		2		2	4,882.17	2	4,551.20	2	4,198.60	2	3,832.61	2	3,466.36	2	3,100.11	2	2,733.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,875.50	1/4	4,544.07	1/4	4,191.02	1/4	3,824.98	1/4	3,458.73	1/4	3,092.48	1/4	2,726.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,868.83	1/2	4,536.94	1/2	4,183.45	1/2	3,817.35	1/2	3,451.10	1/2	3,084.85	1/2	2,718.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,862.15	3/4	4,529.80	3/4	4,175.87	3/4	3,809.72	3/4	3,443.47	3/4	3,077.22	3/4	2,710.83		
3		3		3		3	4,855.44	3	4,522.64	3	4,168.26	3	3,802.09	3	3,435.84	3	3,069.59	3	2,703.19		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,848.73	1/4	4,515.47	1/4	4,160.65	1/4	3,794.46	1/4	3,428.21	1/4	3,061.96	1/4	2,695.56		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,842.02	1/2	4,508.31	1/2	4,153.04	1/2	3,786.83	1/2	3,420.58	1/2	3,054.33	1/2	2,687.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,835.31	3/4	4,501.14	3/4	4,145.44	3/4	3,779.20	3/4	3,412.95	3/4	3,046.70	3/4	2,680.29		
4		4		4		4	4,828.56	4	4,493.94	4	4,137.81	4	3,771.57	4	3,405.32	4	3,039.07	4	2,672.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,821.82	1/4	4,486.74	1/4	4,130.18	1/4	3,763.94	1/4	3,397.69	1/4	3,031.44	1/4	2,665.02		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,815.07	1/2	4,479.54	1/2	4,122.55	1/2	3,756.31	1/2	3,390.06	1/2	3,023.81	1/2	2,657.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,808.32	3/4	4,472.34	3/4	4,114.93	3/4	3,748.68	3/4	3,382.43	3/4	3,016.18	3/4	2,649.75		
5		5		5		5	4,801.54	5	4,465.11	5	4,107.30	5	3,741.05	5	3,374.80	5	3,008.55	5	2,642.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,794.76	1/4	4,457.87	1/4	4,099.67	1/4	3,733.42	1/4	3,367.17	1/4	3,000.92	1/4	2,634.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,787.98	1/2	4,450.64	1/2	4,092.04	1/2	3,725.79	1/2	3,359.54	1/2	2,993.29	1/2	2,626.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,781.20	3/4	4,443.41	3/4	4,084.41	3/4	3,718.16	3/4	3,351.91	3/4	2,985.66	3/4	2,619.22		
6		6		6		6	4,774.39	6	4,436.13	6	4,076.78	6	3,710.53	6	3,344.28	6	2,978.02	6	2,611.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,767.57	1/4	4,428.86	1/4	4,069.15	1/4	3,702.90	1/4	3,336.65	1/4	2,970.39	1/4	2,603.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,760.76	1/2	4,421.59	1/2	4,061.52	1/2	3,695.27	1/2	3,329.02	1/2	2,962.76	1/2	2,596.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,088.94	3/4	4,753.95	3/4	4,414.31	3/4	4,053.89	3/4	3,687.64	3/4	3,321.39	3/4	2,955.12	3/4	2,588.68
7		7		7		7	5,082.51	7	4,747.10	7	4,406.99	7	4,046.26	7	3,680.01	7	3,313.76	7	2,947.49	7	2,581.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,076.08	1/4	4,740.25	1/4	4,399.66	1/4	4,038.63	1/4	3,672.38	1/4	3,306.13	1/4	2,939.85	1/4	2,573.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,069.66	1/2	4,733.40	1/2	4,392.34	1/2	4,031.00	1/2	3,664.75	1/2	3,298.50	1/2	2,932.22	1/2	2,565.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,063.23	3/4	4,726.55	3/4	4,385.01	3/4	4,023.37	3/4	3,657.12	3/4	3,290.87	3/4	2,924.59	3/4	2,558.14
8		8		8		8	5,055.85	8	4,719.64	8	4,377.65	8	4,015.74	8	3,649.49	8	3,283.24	8	2,916.95	8	2,550.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,048.46	1/4	4,712.73	1/4	4,370.28	1/4	4,008.10	1/4	3,641.86	1/4	3,275.61	1/4	2,909.32	1/4	2,542.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,041.08	1/2	4,705.82	1/2	4,362.92	1/2	4,000.47	1/2	3,634.23	1/2	3,267.98	1/2	2,901.68	1/2	2,535.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,033.70	3/4	4,698.91	3/4	4,355.55	3/4	3,992.84	3/4	3,626.59	3/4	3,260.35	3/4	2,894.05	3/4	2,527.61
9		9		9		9	5,026.12	9	4,691.95	9	4,348.15	9	3,985.21	9	3,618.96	9	3,252.72	9	2,886.41	9	2,519.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,018.55	1/4	4,685.00	1/4	4,340.75	1/4	3,977.58	1/4	3,611.33	1/4	3,245.08	1/4	2,878.78	1/4	2,512.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,010.98	1/2	4,678.04	1/2	4,333.36	1/2	3,969.95	1/2	3,603.70	1/2	3,237.45	1/2	2,871.15	1/2	2,504.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,003.41	3/4	4,671.09	3/4	4,325.96	3/4	3,962.32	3/4	3,596.07	3/4	3,229.82	3/4	2,863.51	3/4	2,497.07
10		10		10		10	4,995.83	10	4,664.09	10	4,318.53	10	3,954.69	10	3,588.44	10	3,222.19	10	2,855.88	10	2,489.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,988.26	1/4	4,657.10	1/4	4,311.09	1/4	3,947.06	1/4	3,580.81	1/4	3,214.56	1/4	2,848.24	1/4	2,481.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,980.69	1/2	4,650.10	1/2	4,303.66	1/2	3,939.43	1/2	3,573.18	1/2	3,206.93	1/2	2,840.61	1/2	2,474.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,973.12	3/4	4,643.11	3/4	4,296.23	3/4	3,931.80	3/4	3,565.55	3/4	3,199.30	3/4	2,832.98	3/4	2,466.53
11		11		11		11	4,965.54	11	4,636.08	11	4,288.76	11	3,924.17	11	3,557.92	11	3,191.67	11	2,825.34	11	2,458.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,957.97	1/4	4,629.05	1/4	4,281.30	1/4	3,916.54	1/4	3,550.29	1/4	3,184.04	1/4	2,817.71	1/4	2,451.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,950.40	1/2	4,622.02	1/2	4,273.83	1/2	3,908.91	1/2	3,542.66	1/2	3,176.41	1/2	2,810.07	1/2	2,443.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,942.82	3/4	4,614.98	3/4	4,266.37	3/4	3,901.28	3/4	3,535.03	3/4	3,168.78	3/4	2,802.44	3/4	2,436.00

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27736"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 333"

GAUGE HEIGHT 16'-09 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	2,428.36	0	2,061.92	0	1,701.63	0	1,335.12	0	968.77	0	602.60	0	254.49	0		0		0	
1/4	2,420.73	1/4	2,054.29	1/4	1,694.00	1/4	1,327.48	1/4	961.15	1/4	594.96	1/4	247.76	1/4	1/4		1/4		1/4
1/2	2,413.09	1/2	2,046.65	1/2	1,686.36	1/2	1,319.85	1/2	953.53	1/2	587.33	1/2	241.04	1/2	1/2		1/2		1/2
3/4	2,405.46	3/4	2,039.02	3/4	1,678.73	3/4	1,312.21	3/4	945.90	3/4	579.69	3/4	234.31	3/4	3/4		3/4		3/4
1	2,397.83	1	2,031.93	1	1,671.09	1	1,304.58	1	938.28	1	572.07	1	227.68	1	1		1		1
1/4	2,390.19	1/4	2,024.83	1/4	1,663.45	1/4	1,296.94	1/4	930.66	1/4	564.45	1/4	221.04	1/4	1/4		1/4		1/4
1/2	2,382.56	1/2	2,017.74	1/2	1,655.82	1/2	1,289.30	1/2	923.04	1/2	556.82	1/2	214.40	1/2	1/2		1/2		1/2
3/4	2,374.92	3/4	2,010.65	3/4	1,648.18	3/4	1,281.67	3/4	915.42	3/4	549.20	3/4	207.76	3/4	3/4		3/4		3/4
2	2,367.29	2	2,003.74	2	1,640.55	2	1,274.03	2	907.80	2	541.63	2	201.21	2	2		2		2
1/4	2,359.65	1/4	1,996.82	1/4	1,632.91	1/4	1,266.40	1/4	900.17	1/4	534.05	1/4	194.66	1/4	1/4		1/4		1/4
1/2	2,352.02	1/2	1,989.91	1/2	1,625.28	1/2	1,258.76	1/2	892.55	1/2	526.47	1/2	188.11	1/2	1/2		1/2		1/2
3/4	2,344.39	3/4	1,983.00	3/4	1,617.64	3/4	1,251.13	3/4	884.93	3/4	518.90	3/4	181.56	3/4	3/4		3/4		3/4
3	2,336.75	3	1,975.57	3	1,610.00	3	1,243.49	3	877.31	3	511.39	3	175.10	3	3		3		3
1/4	2,329.12	1/4	1,968.14	1/4	1,602.37	1/4	1,235.85	1/4	869.69	1/4	503.89	1/4	168.63	1/4	1/4		1/4		1/4
1/2	2,321.48	1/2	1,960.72	1/2	1,594.73	1/2	1,228.22	1/2	862.06	1/2	496.39	1/2	162.17	1/2	1/2		1/2		1/2
3/4	2,313.85	3/4	1,953.29	3/4	1,587.10	3/4	1,220.58	3/4	854.44	3/4	488.88	3/4	155.71	3/4	3/4		3/4		3/4
4	2,306.22	4	1,945.69	4	1,579.46	4	1,212.95	4	846.82	4	481.46	4	149.33	4	4		4		4
1/4	2,298.58	1/4	1,938.09	1/4	1,571.83	1/4	1,205.31	1/4	839.20	1/4	474.05	1/4	142.95	1/4	1/4		1/4		1/4
1/2	2,290.95	1/2	1,930.49	1/2	1,564.19	1/2	1,197.68	1/2	831.58	1/2	466.63	1/2	136.58	1/2	1/2		1/2		1/2
3/4	2,283.31	3/4	1,922.89	3/4	1,556.55	3/4	1,190.04	3/4	823.96	3/4	459.21	3/4	130.20	3/4	3/4		3/4		3/4
5	2,275.68	5	1,915.29	5	1,548.92	5	1,182.40	5	816.33	5	451.88	5	123.91	5	5		5		5
1/4	2,268.04	1/4	1,907.69	1/4	1,541.28	1/4	1,174.77	1/4	808.71	1/4	444.55	1/4	117.62	1/4	1/4		1/4		1/4
1/2	2,260.41	1/2	1,900.09	1/2	1,533.65	1/2	1,167.13	1/2	801.09	1/2	437.21	1/2	111.33	1/2	1/2		1/2		1/2
3/4	2,252.78	3/4	1,892.49	3/4	1,526.01	3/4	1,159.50	3/4	793.47	3/4	429.88	3/4	105.04	3/4	3/4		3/4		3/4
6	2,245.14	6	1,884.86	6	1,518.38	6	1,151.86	6	785.84	6	422.64	6	98.85	6	6		6		6
1/4	2,237.51	1/4	1,877.23	1/4	1,510.74	1/4	1,144.23	1/4	778.20	1/4	415.39	1/4	92.65	1/4	1/4		1/4		1/4
1/2	2,229.87	1/2	1,869.61	1/2	1,503.10	1/2	1,136.59	1/2	770.57	1/2	408.15	1/2	86.46	1/2	1/2		1/2		1/2
3/4	2,222.24	3/4	1,861.98	3/4	1,495.47	3/4	1,128.95	3/4	762.94	3/4	400.90	3/4	80.26	3/4	3/4		3/4		3/4
7	2,214.61	7	1,854.35	7	1,487.83	7	1,121.32	7	755.30	7	393.74	7	74.18	7	7		7		7
1/4	2,206.97	1/4	1,846.71	1/4	1,480.20	1/4	1,113.68	1/4	747.67	1/4	386.59	1/4	68.09	1/4	1/4		1/4		1/4
1/2	2,199.34	1/2	1,839.07	1/2	1,472.56	1/2	1,106.05	1/2	740.03	1/2	379.43	1/2	62.00	1/2	1/2		1/2		1/2
3/4	2,191.70	3/4	1,831.44	3/4	1,464.93	3/4	1,098.41	3/4	732.40	3/4	372.27	3/4	55.92	3/4	3/4		3/4		3/4
8	2,184.07	8	1,823.80	8	1,457.29	8	1,090.78	8	724.76	8	365.20	8	50.62	8	8		8		8
1/4	2,176.43	1/4	1,816.17	1/4	1,449.65	1/4	1,083.15	1/4	717.13	1/4	358.13	1/4	45.31	1/4	1/4		1/4		1/4
1/2	2,168.80	1/2	1,808.53	1/2	1,442.02	1/2	1,075.52	1/2	709.49	1/2	351.06	1/2	40.01	1/2	1/2		1/2		1/2
3/4	2,161.17	3/4	1,800.90	3/4	1,434.38	3/4	1,067.89	3/4	701.86	3/4	343.98	3/4	34.70	3/4	3/4		3/4		3/4
9	2,153.53	9	1,793.26	9	1,426.75	9	1,060.26	9	694.22	9	337.00	9	30.81	9	9		9		9
1/4	2,145.90	1/4	1,785.63	1/4	1,419.11	1/4	1,052.63	1/4	686.59	1/4	330.01	1/4	26.92	1/4	1/4		1/4		1/4
1/2	2,138.26	1/2	1,777.99	1/2	1,411.48	1/2	1,045.00	1/2	678.95	1/2	323.03	1/2	23.03	1/2	1/2		1/2		1/2
3/4	2,130.63	3/4	1,770.35	3/4	1,403.84	3/4	1,037.37	3/4	671.31	3/4	316.05	3/4	19.14	3/4	3/4		3/4		3/4
10	2,122.99	10	1,762.72	10	1,396.20	10	1,029.75	10	663.68	10	309.15	10		10	10		10		10
1/4	2,115.36	1/4	1,755.08	1/4	1,388.57	1/4	1,022.13	1/4	656.04	1/4	302.25	1/4		1/4	1/4		1/4		1/4
1/2	2,107.73	1/2	1,747.45	1/2	1,380.93	1/2	1,014.50	1/2	648.41	1/2	295.35	1/2		1/2	1/2		1/2		1/2
3/4	2,100.09	3/4	1,739.81	3/4	1,373.30	3/4	1,006.88	3/4	640.77	3/4	288.45	3/4		3/4	3/4		3/4		3/4
11	2,092.46	11	1,732.18	11	1,365.66	11	999.26	11	633.14	11	281.64	11		11	11		11		11
1/4	2,084.82	1/4	1,724.54	1/4	1,358.03	1/4	991.64	1/4	625.50	1/4	274.83	1/4		1/4	1/4		1/4		1/4
1/2	2,077.19	1/2	1,716.90	1/2	1,350.39	1/2	984.01	1/2	617.87	1/2	268.02	1/2		1/2	1/2		1/2		1/2
3/4	2,069.56	3/4	1,709.27	3/4	1,342.75	3/4	976.39	3/4	610.23	3/4	261.21	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2014 PMA
RECALCULATED: 09/27/2019 PMA
NAME CHANGE: 09/27/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "KIRBY 27736"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 333"

GAUGE HEIGHT 16'-10 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
1/4		1/4		1/4		1/4	4,697.84	1/4	4,389.81	1/4	4,062.14	1/4	3,718.93	1/4	3,374.64	1/4	3,030.34	1/4	2,685.96		
1/2		1/2		1/2		1/2	4,691.40	1/2	4,383.17	1/2	4,055.08	1/2	3,711.76	1/2	3,367.46	1/2	3,023.17	1/2	2,678.78		
3/4		3/4		3/4		3/4	4,684.96	3/4	4,376.53	3/4	4,048.02	3/4	3,704.59	3/4	3,360.29	3/4	3,016.00	3/4	2,671.60		
1	1	1	1	1	1	1	4,678.52	1	4,369.89	1	4,040.97	1	3,697.41	1	3,353.12	1	3,008.82	1	2,664.43		
1/4		1/4		1/4		1/4	4,672.08	1/4	4,363.25	1/4	4,033.91	1/4	3,690.24	1/4	3,345.95	1/4	3,001.65	1/4	2,657.25		
1/2		1/2		1/2		1/2	4,665.84	1/2	4,356.58	1/2	4,026.82	1/2	3,683.07	1/2	3,338.77	1/2	2,994.48	1/2	2,650.07		
3/4		3/4		3/4		3/4	4,659.61	3/4	4,349.91	3/4	4,019.73	3/4	3,675.89	3/4	3,331.60	3/4	2,987.31	3/4	2,642.90		
2	2	2	2	2	2	2	4,653.37	2	4,343.24	2	4,012.64	2	3,668.72	2	3,324.43	2	2,980.13	2	2,635.72		
1/4		1/4		1/4		1/4	4,647.13	1/4	4,336.57	1/4	4,005.55	1/4	3,661.55	1/4	3,317.25	1/4	2,972.96	1/4	2,628.54		
1/2		1/2		1/2		1/2	4,640.86	1/2	4,329.87	1/2	3,998.43	1/2	3,654.38	1/2	3,310.08	1/2	2,965.79	1/2	2,621.36		
3/4		3/4		3/4		3/4	4,634.59	3/4	4,323.16	3/4	3,991.31	3/4	3,647.20	3/4	3,302.91	3/4	2,958.61	3/4	2,614.19		
3	3	3	3	3	3	3	4,628.32	3	4,316.46	3	3,984.19	3	3,640.03	3	3,295.74	3	2,951.44	3	2,607.01		
1/4		1/4		1/4		1/4	4,622.06	1/4	4,309.76	1/4	3,977.07	1/4	3,632.86	1/4	3,288.56	1/4	2,944.27	1/4	2,599.83		
1/2		1/2		1/2		1/2	4,615.75	1/2	4,303.02	1/2	3,969.91	1/2	3,625.68	1/2	3,281.39	1/2	2,937.10	1/2	2,592.66		
3/4		3/4		3/4		3/4	4,609.45	3/4	4,296.29	3/4	3,962.76	3/4	3,618.51	3/4	3,274.22	3/4	2,929.92	3/4	2,585.48		
4	4	4	4	4	4	4	4,603.14	4	4,289.55	4	3,955.61	4	3,611.34	4	3,267.04	4	2,922.75	4	2,578.30		
1/4		1/4		1/4		1/4	4,596.84	1/4	4,282.82	1/4	3,948.46	1/4	3,604.17	1/4	3,259.87	1/4	2,915.58	1/4	2,571.13		
1/2		1/2		1/2		1/2	4,590.50	1/2	4,276.05	1/2	3,941.28	1/2	3,596.99	1/2	3,252.70	1/2	2,908.40	1/2	2,563.95		
3/4		3/4		3/4		3/4	4,584.16	3/4	4,269.28	3/4	3,934.11	3/4	3,589.82	3/4	3,245.53	3/4	2,901.23	3/4	2,556.77		
5	5	5	5	5	5	5	4,577.82	5	4,262.52	5	3,926.94	5	3,582.65	5	3,238.35	5	2,894.06	5	2,549.60		
1/4		1/4		1/4		1/4	4,571.49	1/4	4,255.75	1/4	3,919.77	1/4	3,575.48	1/4	3,231.18	1/4	2,886.89	1/4	2,542.42		
1/2		1/2		1/2		1/2	4,565.12	1/2	4,248.95	1/2	3,912.60	1/2	3,568.30	1/2	3,224.01	1/2	2,879.71	1/2	2,535.24		
3/4		3/4		3/4		3/4	4,558.75	3/4	4,242.15	3/4	3,905.42	3/4	3,561.13	3/4	3,216.84	3/4	2,872.54	3/4	2,528.07		
6	6	6	6	6	6	6	4,552.38	6	4,235.36	6	3,898.25	6	3,553.96	6	3,209.66	6	2,865.37	6	2,520.89		
1/4		1/4		1/4		1/4	4,546.01	1/4	4,228.56	1/4	3,891.08	1/4	3,546.78	1/4	3,202.49	1/4	2,858.20	1/4	2,513.71		
1/2		1/2		1/2		1/2	4,539.60	1/2	4,221.72	1/2	3,883.91	1/2	3,539.61	1/2	3,195.32	1/2	2,851.02	1/2	2,506.53		
3/4		3/4		3/4		3/4	4,533.20	3/4	4,214.88	3/4	3,876.73	3/4	3,532.44	3/4	3,188.14	3/4	2,843.85	3/4	2,499.36		
7	7	7	7	7	7	7	4,526.80	7	4,208.05	7	3,869.56	7	3,525.27	7	3,180.97	7	2,836.67	7	2,492.18		
1/4		1/4		1/4	4,835.14	1/4	4,520.40	1/4	4,201.21	1/4	3,862.39	1/4	3,518.09	1/4	3,173.80	1/4	2,829.49	1/4	2,485.00		
1/2		1/2		1/2	4,829.10	1/2	4,513.97	1/2	4,194.33	1/2	3,855.21	1/2	3,510.92	1/2	3,166.63	1/2	2,822.32	1/2	2,477.83		
3/4		3/4		3/4	4,823.06	3/4	4,507.53	3/4	4,187.44	3/4	3,848.04	3/4	3,503.75	3/4	3,159.45	3/4	2,815.14	3/4	2,470.65		
8	8	8	8	8	8	8	4,817.02	8	4,501.10	8	4,180.55	8	3,840.87	8	3,496.57	8	3,152.28	8	2,807.96	8	2,463.47
1/4		1/4		1/4	4,810.98	1/4	4,494.67	1/4	4,173.67	1/4	3,833.70	1/4	3,489.40	1/4	3,145.11	1/4	2,800.79	1/4	2,456.30		
1/2		1/2		1/2	4,804.04	1/2	4,488.17	1/2	4,166.74	1/2	3,826.52	1/2	3,482.23	1/2	3,137.93	1/2	2,793.61	1/2	2,449.12		
3/4		3/4		3/4	4,797.10	3/4	4,481.68	3/4	4,159.82	3/4	3,819.35	3/4	3,475.06	3/4	3,130.76	3/4	2,786.43	3/4	2,441.94		
9	9	9	9	9	9	9	4,790.17	9	4,475.18	9	4,152.90	9	3,812.18	9	3,467.88	9	3,123.59	9	2,779.26	9	2,434.77
1/4		1/4		1/4	4,783.23	1/4	4,468.69	1/4	4,145.98	1/4	3,805.00	1/4	3,460.71	1/4	3,116.42	1/4	2,772.08	1/4	2,427.59		
1/2		1/2		1/2	4,776.11	1/2	4,462.15	1/2	4,139.02	1/2	3,797.83	1/2	3,453.54	1/2	3,109.24	1/2	2,764.90	1/2	2,420.41		
3/4		3/4		3/4	4,769.00	3/4	4,455.62	3/4	4,132.07	3/4	3,790.66	3/4	3,446.36	3/4	3,102.07	3/4	2,757.73	3/4	2,413.23		
10	10	10	10	10	10	10	4,761.88	10	4,449.08	10	4,125.11	10	3,783.49	10	3,439.19	10	3,094.90	10	2,750.55	10	2,406.06
1/4		1/4		1/4	4,754.77	1/4	4,442.54	1/4	4,118.16	1/4	3,776.31	1/4	3,432.02	1/4	3,087.72	1/4	2,743.37	1/4	2,398.88		
1/2		1/2		1/2	4,747.65	1/2	4,435.97	1/2	4,111.17	1/2	3,769.14	1/2	3,424.85	1/2	3,080.55	1/2	2,736.20	1/2	2,391.70		
3/4		3/4		3/4	4,740.54	3/4	4,429.39	3/4	4,104.18	3/4	3,761.97	3/4	3,417.67	3/4	3,073.38	3/4	2,729.02	3/4	2,384.53		
11	11	11	11	11	11	11	4,733.42	11	4,422.82	11	4,097.20	11	3,754.80	11	3,410.50	11	3,066.21	11	2,721.84	11	2,377.35
1/4		1/4		1/4	4,726.31	1/4	4,416.24	1/4	4,090.21	1/4	3,747.62	1/4	3,403.33	1/4	3,059.03	1/4	2,714.66	1/4	2,370.17		
1/2		1/2		1/2	4,719.19	1/2	4,409.64	1/2	4,083.19	1/2	3,740.45	1/2	3,396.16	1/2	3,051.86	1/2	2,707.49	1/2	2,363.00		
3/4		3/4		3/4	4,712.08	3/4	4,403.03	3/4	4,076.17	3/4	3,733.28	3/4	3,388.98	3/4	3,044.69	3/4	2,700.31	3/4	2,355.82		

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'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27736"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 333"

GAUGE HEIGHT 16'-10 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	2,348.64	0	2,004.15	0	1,665.47	0	1,320.91	0	982.83	0	646.20	0	301.65	0		0		0	
1/4	2,341.47	1/4	1,996.97	1/4	1,658.29	1/4	1,313.73	1/4	975.96	1/4	639.02	1/4	294.48	1/4	1/4		1/4		1/4
1/2	2,334.29	1/2	1,989.80	1/2	1,651.11	1/2	1,306.56	1/2	969.08	1/2	631.85	1/2	287.30	1/2	1/2		1/2		1/2
3/4	2,327.11	3/4	1,982.62	3/4	1,643.94	3/4	1,299.38	3/4	962.21	3/4	624.67	3/4	280.12	3/4	3/4		3/4		3/4
1	2,319.93	1	1,975.44	1	1,636.76	1	1,292.20	1	955.34	1	617.49	1	272.94	1	1		1		1
1/4	2,312.76	1/4	1,968.27	1/4	1,629.58	1/4	1,285.02	1/4	948.46	1/4	610.31	1/4	265.76	1/4	1/4		1/4		1/4
1/2	2,305.58	1/2	1,961.60	1/2	1,622.40	1/2	1,277.84	1/2	941.59	1/2	603.13	1/2	258.58	1/2	1/2		1/2		1/2
3/4	2,298.40	3/4	1,954.93	3/4	1,615.22	3/4	1,270.67	3/4	934.72	3/4	595.96	3/4	251.41	3/4	3/4		3/4		3/4
2	2,291.23	2	1,948.26	2	1,608.05	2	1,263.49	2	927.84	2	588.78	2	244.23	2	2		2		2
1/4	2,284.05	1/4	1,941.60	1/4	1,600.87	1/4	1,256.31	1/4	920.97	1/4	581.60	1/4	237.05	1/4	1/4		1/4		1/4
1/2	2,276.87	1/2	1,935.10	1/2	1,593.69	1/2	1,249.13	1/2	914.10	1/2	574.42	1/2	229.87	1/2	1/2		1/2		1/2
3/4	2,269.70	3/4	1,928.60	3/4	1,586.51	3/4	1,241.95	3/4	907.22	3/4	567.24	3/4	222.69	3/4	3/4		3/4		3/4
3	2,262.52	3	1,922.10	3	1,579.33	3	1,234.77	3	900.35	3	560.06	3	215.52	3	3		3		3
1/4	2,255.34	1/4	1,915.61	1/4	1,572.15	1/4	1,227.60	1/4	893.48	1/4	552.89	1/4	208.34	1/4	1/4		1/4		1/4
1/2	2,248.17	1/2	1,908.63	1/2	1,564.98	1/2	1,220.42	1/2	886.60	1/2	545.71	1/2	201.16	1/2	1/2		1/2		1/2
3/4	2,240.99	3/4	1,901.64	3/4	1,557.80	3/4	1,213.24	3/4	879.73	3/4	538.53	3/4	193.98	3/4	3/4		3/4		3/4
4	2,233.81	4	1,894.66	4	1,550.62	4	1,206.06	4	872.86	4	531.35	4	186.80	4	4		4		4
1/4	2,226.64	1/4	1,887.68	1/4	1,543.44	1/4	1,198.88	1/4	865.98	1/4	524.17	1/4	179.63	1/4	1/4		1/4		1/4
1/2	2,219.46	1/2	1,880.54	1/2	1,536.26	1/2	1,191.70	1/2	859.11	1/2	517.00	1/2	172.45	1/2	1/2		1/2		1/2
3/4	2,212.28	3/4	1,873.40	3/4	1,529.08	3/4	1,184.53	3/4	852.23	3/4	509.82	3/4	165.27	3/4	3/4		3/4		3/4
5	2,205.10	5	1,866.25	5	1,521.91	5	1,177.35	5	845.36	5	502.64	5	158.09	5	5		5		5
1/4	2,197.93	1/4	1,859.11	1/4	1,514.73	1/4	1,170.17	1/4	838.49	1/4	495.46	1/4	150.91	1/4	1/4		1/4		1/4
1/2	2,190.75	1/2	1,851.97	1/2	1,507.55	1/2	1,162.99	1/2	831.61	1/2	488.28	1/2	143.74	1/2	1/2		1/2		1/2
3/4	2,183.57	3/4	1,844.82	3/4	1,500.37	3/4	1,155.81	3/4	824.74	3/4	481.11	3/4	136.56	3/4	3/4		3/4		3/4
6	2,176.40	6	1,837.68	6	1,493.19	6	1,148.63	6	817.87	6	473.93	6	129.38	6	6		6		6
1/4	2,169.22	1/4	1,830.54	1/4	1,486.01	1/4	1,141.46	1/4	810.99	1/4	466.75	1/4	122.20	1/4	1/4		1/4		1/4
1/2	2,162.04	1/2	1,823.37	1/2	1,478.84	1/2	1,134.49	1/2	803.89	1/2	459.57	1/2	115.03	1/2	1/2		1/2		1/2
3/4	2,154.87	3/4	1,816.20	3/4	1,471.66	3/4	1,127.52	3/4	796.79	3/4	452.39	3/4	107.86	3/4	3/4		3/4		3/4
7	2,147.69	7	1,809.03	7	1,464.48	7	1,120.56	7	789.69	7	445.22	7	100.69	7	7		7		7
1/4	2,140.51	1/4	1,801.86	1/4	1,457.30	1/4	1,113.59	1/4	782.59	1/4	438.04	1/4	93.52	1/4	1/4		1/4		1/4
1/2	2,133.34	1/2	1,794.68	1/2	1,450.12	1/2	1,106.70	1/2	775.41	1/2	430.86	1/2	86.37	1/2	1/2		1/2		1/2
3/4	2,126.16	3/4	1,787.50	3/4	1,442.94	3/4	1,099.80	3/4	768.23	3/4	423.68	3/4	79.23	3/4	3/4		3/4		3/4
8	2,118.98	8	1,780.32	8	1,435.77	8	1,092.91	8	761.05	8	416.50	8	72.08	8	8		8		8
1/4	2,111.80	1/4	1,773.15	1/4	1,428.59	1/4	1,086.01	1/4	753.87	1/4	409.32	1/4	64.93	1/4	1/4		1/4		1/4
1/2	2,104.63	1/2	1,765.97	1/2	1,421.41	1/2	1,079.13	1/2	746.70	1/2	402.15	1/2	58.43	1/2	1/2		1/2		1/2
3/4	2,097.45	3/4	1,758.79	3/4	1,414.23	3/4	1,072.24	3/4	739.52	3/4	394.97	3/4	51.94	3/4	3/4		3/4		3/4
9	2,090.27	9	1,751.61	9	1,407.05	9	1,065.36	9	732.34	9	387.79	9	45.44	9	9		9		9
1/4	2,083.10	1/4	1,744.43	1/4	1,399.87	1/4	1,058.48	1/4	725.16	1/4	380.61	1/4	38.94	1/4	1/4		1/4		1/4
1/2	2,075.92	1/2	1,737.25	1/2	1,392.70	1/2	1,051.60	1/2	717.98	1/2	373.43	1/2	34.01	1/2	1/2		1/2		1/2
3/4	2,068.74	3/4	1,730.08	3/4	1,385.52	3/4	1,044.71	3/4	710.81	3/4	366.26	3/4	29.08	3/4	3/4		3/4		3/4
10	2,061.57	10	1,722.90	10	1,378.34	10	1,037.83	10	703.63	10	359.08	10	24.14	10	10		10		10
1/4	2,054.39	1/4	1,715.72	1/4	1,371.16	1/4	1,030.95	1/4	696.45	1/4	351.90	1/4	19.21	1/4	1/4		1/4		1/4
1/2	2,047.21	1/2	1,708.54	1/2	1,363.98	1/2	1,024.08	1/2	689.27	1/2	344.72	1/2		1/2	1/2		1/2		1/2
3/4	2,040.04	3/4	1,701.36	3/4	1,356.80	3/4	1,017.20	3/4	682.09	3/4	337.54	3/4		3/4	3/4		3/4		3/4
11	2,032.86	11	1,694.18	11	1,349.63	11	1,010.33	11	674.91	11	330.37	11		11	11		11		11
1/4	2,025.68	1/4	1,687.01	1/4	1,342.45	1/4	1,003.45	1/4	667.74	1/4	323.19	1/4		1/4	1/4		1/4		1/4
1/2	2,018.51	1/2	1,679.83	1/2	1,335.27	1/2	996.58	1/2	660.56	1/2	316.01	1/2		1/2	1/2		1/2		1/2
3/4	2,011.33	3/4	1,672.65	3/4	1,328.09	3/4	989.70	3/4	653.38	3/4	308.83	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2014 PMA
RECALCULATED: 09/27/2019 PMA
NAME CHANGE: 09/27/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "KIRBY 27736"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 333"

GAUGE HEIGHT 16'-10"

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	4,710.65	0	4,402.66	0	4,075.06	0	3,731.94	0	3,387.73	0	3,043.52	0	2,699.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,704.21	1/4	4,396.02	1/4	4,068.00	1/4	3,724.77	1/4	3,380.56	1/4	3,036.35	1/4	2,692.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,697.77	1/2	4,389.39	1/2	4,060.95	1/2	3,717.60	1/2	3,373.39	1/2	3,029.18	1/2	2,684.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,691.33	3/4	4,382.75	3/4	4,053.89	3/4	3,710.42	3/4	3,366.22	3/4	3,022.01	3/4	2,677.69
1		1		1		1	4,684.89	1	4,376.11	1	4,046.84	1	3,703.25	1	3,359.05	1	3,014.84	1	2,670.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,678.65	1/4	4,369.44	1/4	4,039.75	1/4	3,696.08	1/4	3,351.87	1/4	3,007.67	1/4	2,663.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,672.41	1/2	4,362.77	1/2	4,032.66	1/2	3,688.91	1/2	3,344.70	1/2	3,000.50	1/2	2,656.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,666.18	3/4	4,356.10	3/4	4,025.57	3/4	3,681.74	3/4	3,337.53	3/4	2,993.32	3/4	2,648.99
2		2		2		2	4,659.94	2	4,349.43	2	4,018.49	2	3,674.57	2	3,330.36	2	2,986.15	2	2,641.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,653.67	1/4	4,342.73	1/4	4,011.37	1/4	3,667.40	1/4	3,323.19	1/4	2,978.98	1/4	2,634.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,647.40	1/2	4,336.02	1/2	4,004.25	1/2	3,660.23	1/2	3,316.02	1/2	2,971.81	1/2	2,627.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,641.14	3/4	4,329.32	3/4	3,997.13	3/4	3,653.06	3/4	3,308.85	3/4	2,964.64	3/4	2,620.29
3		3		3		3	4,634.87	3	4,322.62	3	3,990.01	3	3,645.89	3	3,301.68	3	2,957.47	3	2,613.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,628.57	1/4	4,315.89	1/4	3,982.86	1/4	3,638.71	1/4	3,294.51	1/4	2,950.30	1/4	2,605.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,622.26	1/2	4,309.15	1/2	3,975.70	1/2	3,631.54	1/2	3,287.34	1/2	2,943.13	1/2	2,598.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,615.96	3/4	4,302.42	3/4	3,968.55	3/4	3,624.37	3/4	3,280.16	3/4	2,935.96	3/4	2,591.59
4		4		4		4	4,609.66	4	4,295.69	4	3,961.40	4	3,617.20	4	3,272.99	4	2,928.79	4	2,584.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,603.32	1/4	4,288.92	1/4	3,954.23	1/4	3,610.03	1/4	3,265.82	1/4	2,921.61	1/4	2,577.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,596.98	1/2	4,282.16	1/2	3,947.06	1/2	3,602.86	1/2	3,258.65	1/2	2,914.44	1/2	2,570.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,590.64	3/4	4,275.39	3/4	3,939.89	3/4	3,595.69	3/4	3,251.48	3/4	2,907.27	3/4	2,562.89
5		5		5		5	4,584.31	5	4,268.63	5	3,932.73	5	3,588.52	5	3,244.31	5	2,900.10	5	2,555.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,577.94	1/4	4,261.83	1/4	3,925.55	1/4	3,581.35	1/4	3,237.14	1/4	2,892.93	1/4	2,548.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,571.57	1/2	4,255.03	1/2	3,918.38	1/2	3,574.18	1/2	3,229.97	1/2	2,885.76	1/2	2,541.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,565.20	3/4	4,248.23	3/4	3,911.21	3/4	3,567.00	3/4	3,222.80	3/4	2,878.59	3/4	2,534.19
6		6		6		6	4,558.83	6	4,241.44	6	3,904.04	6	3,559.83	6	3,215.63	6	2,871.42	6	2,527.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,552.43	1/4	4,234.60	1/4	3,896.87	1/4	3,552.66	1/4	3,208.45	1/4	2,864.24	1/4	2,519.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,546.03	1/2	4,227.77	1/2	3,889.70	1/2	3,545.49	1/2	3,201.28	1/2	2,857.07	1/2	2,512.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,539.63	3/4	4,220.93	3/4	3,882.53	3/4	3,538.32	3/4	3,194.11	3/4	2,849.89	3/4	2,505.49
7		7	4,847.90	7	4,533.23	7	4,214.10	7	3,875.36	7	3,531.15	7	3,186.94	7	2,842.72	7	2,498.32		
1/4	1/4	1/4	4,841.86	1/4	4,526.80	1/4	4,207.21	1/4	3,868.19	1/4	3,523.98	1/4	3,179.77	1/4	2,835.54	1/4	2,491.14		
1/2	1/2	1/2	4,835.83	1/2	4,520.36	1/2	4,200.33	1/2	3,861.02	1/2	3,516.81	1/2	3,172.60	1/2	2,828.37	1/2	2,483.97		
3/4	3/4	3/4	4,829.79	3/4	4,513.93	3/4	4,193.45	3/4	3,853.84	3/4	3,509.64	3/4	3,165.43	3/4	2,821.19	3/4	2,476.79		
8		8	4,823.75	8	4,507.50	8	4,186.56	8	3,846.67	8	3,502.47	8	3,158.26	8	2,814.02	8	2,469.62		
1/4	1/4	1/4	4,816.82	1/4	4,501.01	1/4	4,179.64	1/4	3,839.50	1/4	3,495.29	1/4	3,151.09	1/4	2,806.84	1/4	2,462.44		
1/2	1/2	1/2	4,809.88	1/2	4,494.51	1/2	4,172.72	1/2	3,832.33	1/2	3,488.12	1/2	3,143.92	1/2	2,799.67	1/2	2,455.27		
3/4	3/4	3/4	4,802.95	3/4	4,488.02	3/4	4,165.80	3/4	3,825.16	3/4	3,480.95	3/4	3,136.74	3/4	2,792.49	3/4	2,448.09		
9		9	4,796.01	9	4,481.52	9	4,158.87	9	3,817.99	9	3,473.78	9	3,129.57	9	2,785.32	9	2,440.92		
1/4	1/4	1/4	4,788.90	1/4	4,474.99	1/4	4,151.92	1/4	3,810.82	1/4	3,466.61	1/4	3,122.40	1/4	2,778.14	1/4	2,433.74		
1/2	1/2	1/2	4,781.78	1/2	4,468.45	1/2	4,144.97	1/2	3,803.65	1/2	3,459.44	1/2	3,115.23	1/2	2,770.97	1/2	2,426.57		
3/4	3/4	3/4	4,774.67	3/4	4,461.92	3/4	4,138.01	3/4	3,796.48	3/4	3,452.27	3/4	3,108.06	3/4	2,763.79	3/4	2,419.39		
10		10	4,767.56	10	4,455.38	10	4,131.06	10	3,789.31	10	3,445.10	10	3,100.89	10	2,756.62	10	2,412.22		
1/4	1/4	1/4	4,760.44	1/4	4,448.81	1/4	4,124.08	1/4	3,782.13	1/4	3,437.93	1/4	3,093.72	1/4	2,749.44	1/4	2,405.04		
1/2	1/2	1/2	4,753.33	1/2	4,442.24	1/2	4,117.09	1/2	3,774.96	1/2	3,430.76	1/2	3,086.55	1/2	2,742.27	1/2	2,397.87		
3/4	3/4	3/4	4,746.22	3/4	4,435.66	3/4	4,110.11	3/4	3,767.79	3/4	3,423.58	3/4	3,079.38	3/4	2,735.09	3/4	2,390.69		
11		11	4,739.10	11	4,429.09	11	4,103.12	11	3,760.62	11	3,416.41	11	3,072.21	11	2,727.92	11	2,383.52		
1/4	1/4	1/4	4,731.99	1/4	4,422.48	1/4	4,096.10	1/4	3,753.45	1/4	3,409.24	1/4	3,065.03	1/4	2,720.74	1/4	2,376.34		
1/2	1/2	1/2	4,724.88	1/2	4,415.88	1/2	4,089.09	1/2	3,746.28	1/2	3,402.07	1/2	3,057.86	1/2	2,713.57	1/2	2,369.17		
3/4	3/4	3/4	4,717.76	3/4	4,409.27	3/4	4,082.07	3/4	3,739.11	3/4	3,394.90	3/4	3,050.69	3/4	2,706.39	3/4	2,361.99		

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'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27736"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 333"

GAUGE HEIGHT 16'-10"

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	2,354.82	0	2,010.42	0	1,671.81	0	1,327.34	0	983.01	0	638.86	0	294.40	0		0		0	
1/4	2,347.64	1/4	2,003.24	1/4	1,664.63	1/4	1,320.17	1/4	975.84	1/4	631.68	1/4	287.23	1/4		1/4		1/4	
1/2	2,340.47	1/2	1,996.07	1/2	1,657.46	1/2	1,312.99	1/2	968.68	1/2	624.51	1/2	280.05	1/2		1/2		1/2	
3/4	2,333.29	3/4	1,988.89	3/4	1,650.28	3/4	1,305.81	3/4	961.52	3/4	617.33	3/4	272.87	3/4		3/4		3/4	
1	2,326.12	1	1,981.72	1	1,643.10	1	1,298.64	1	954.35	1	610.16	1	265.70	1		1		1	
1/4	2,318.94	1/4	1,975.05	1/4	1,635.93	1/4	1,291.46	1/4	947.19	1/4	602.98	1/4	258.52	1/4		1/4		1/4	
1/2	2,311.77	1/2	1,968.38	1/2	1,628.75	1/2	1,284.28	1/2	940.03	1/2	595.80	1/2	251.35	1/2		1/2		1/2	
3/4	2,304.59	3/4	1,961.72	3/4	1,621.57	3/4	1,277.11	3/4	932.86	3/4	588.63	3/4	244.17	3/4		3/4		3/4	
2	2,297.42	2	1,955.05	2	1,614.40	2	1,269.93	2	925.70	2	581.45	2	236.99	2		2		2	
1/4	2,290.24	1/4	1,948.55	1/4	1,607.22	1/4	1,262.75	1/4	918.54	1/4	574.27	1/4	229.82	1/4		1/4		1/4	
1/2	2,283.07	1/2	1,942.06	1/2	1,600.04	1/2	1,255.58	1/2	911.37	1/2	567.10	1/2	222.64	1/2		1/2		1/2	
3/4	2,275.89	3/4	1,935.56	3/4	1,592.87	3/4	1,248.40	3/4	904.21	3/4	559.92	3/4	215.46	3/4		3/4		3/4	
3	2,268.72	3	1,929.06	3	1,585.69	3	1,241.22	3	897.05	3	552.75	3	208.29	3		3		3	
1/4	2,261.54	1/4	1,922.08	1/4	1,578.52	1/4	1,234.05	1/4	889.88	1/4	545.57	1/4	201.11	1/4		1/4		1/4	
1/2	2,254.37	1/2	1,915.10	1/2	1,571.34	1/2	1,226.87	1/2	882.72	1/2	538.39	1/2	193.94	1/2		1/2		1/2	
3/4	2,247.19	3/4	1,908.12	3/4	1,564.16	3/4	1,219.70	3/4	875.55	3/4	531.22	3/4	186.76	3/4		3/4		3/4	
4	2,240.02	4	1,901.14	4	1,556.99	4	1,212.52	4	868.39	4	524.04	4	179.58	4		4		4	
1/4	2,232.84	1/4	1,894.00	1/4	1,549.81	1/4	1,205.34	1/4	861.23	1/4	516.86	1/4	172.41	1/4		1/4		1/4	
1/2	2,225.67	1/2	1,886.86	1/2	1,542.63	1/2	1,198.17	1/2	854.06	1/2	509.69	1/2	165.23	1/2		1/2		1/2	
3/4	2,218.49	3/4	1,879.72	3/4	1,535.46	3/4	1,190.99	3/4	846.90	3/4	502.51	3/4	158.05	3/4		3/4		3/4	
5	2,211.32	5	1,872.58	5	1,528.28	5	1,183.81	5	839.74	5	495.34	5	150.88	5		5		5	
1/4	2,204.14	1/4	1,865.44	1/4	1,521.10	1/4	1,176.64	1/4	832.57	1/4	488.16	1/4	143.70	1/4		1/4		1/4	
1/2	2,196.97	1/2	1,858.30	1/2	1,513.93	1/2	1,169.46	1/2	825.41	1/2	480.98	1/2	136.53	1/2		1/2		1/2	
3/4	2,189.79	3/4	1,851.16	3/4	1,506.75	3/4	1,162.28	3/4	818.25	3/4	473.81	3/4	129.35	3/4		3/4		3/4	
6	2,182.62	6	1,844.02	6	1,499.58	6	1,155.11	6	811.08	6	466.63	6	122.18	6		6		6	
1/4	2,175.44	1/4	1,836.85	1/4	1,492.40	1/4	1,147.93	1/4	803.91	1/4	459.46	1/4	115.01	1/4		1/4		1/4	
1/2	2,168.27	1/2	1,829.68	1/2	1,485.22	1/2	1,140.76	1/2	796.73	1/2	452.28	1/2	107.84	1/2		1/2		1/2	
3/4	2,161.09	3/4	1,822.51	3/4	1,478.05	3/4	1,133.58	3/4	789.56	3/4	445.10	3/4	100.67	3/4		3/4		3/4	
7	2,153.92	7	1,815.34	7	1,470.87	7	1,126.40	7	782.38	7	437.93	7	93.50	7		7		7	
1/4	2,146.74	1/4	1,808.16	1/4	1,463.69	1/4	1,119.23	1/4	775.21	1/4	430.75	1/4	86.36	1/4		1/4		1/4	
1/2	2,139.57	1/2	1,800.98	1/2	1,456.52	1/2	1,112.05	1/2	768.03	1/2	423.57	1/2	79.21	1/2		1/2		1/2	
3/4	2,132.39	3/4	1,793.81	3/4	1,449.34	3/4	1,104.87	3/4	760.86	3/4	416.40	3/4	72.06	3/4		3/4		3/4	
8	2,125.22	8	1,786.63	8	1,442.16	8	1,097.70	8	753.68	8	409.22	8	64.91	8		8		8	
1/4	2,118.04	1/4	1,779.45	1/4	1,434.99	1/4	1,090.52	1/4	746.50	1/4	402.05	1/4	58.42	1/4		1/4		1/4	
1/2	2,110.87	1/2	1,772.28	1/2	1,427.81	1/2	1,083.35	1/2	739.33	1/2	394.87	1/2	51.93	1/2		1/2		1/2	
3/4	2,103.69	3/4	1,765.10	3/4	1,420.63	3/4	1,076.18	3/4	732.15	3/4	387.69	3/4	45.43	3/4		3/4		3/4	
9	2,096.52	9	1,757.93	9	1,413.46	9	1,069.01	9	724.97	9	380.52	9	38.94	9		9		9	
1/4	2,089.34	1/4	1,750.75	1/4	1,406.28	1/4	1,061.84	1/4	717.80	1/4	373.34	1/4	34.01	1/4		1/4		1/4	
1/2	2,082.17	1/2	1,743.57	1/2	1,399.11	1/2	1,054.67	1/2	710.62	1/2	366.16	1/2	29.07	1/2		1/2		1/2	
3/4	2,074.99	3/4	1,736.40	3/4	1,391.93	3/4	1,047.49	3/4	703.45	3/4	358.99	3/4	24.14	3/4		3/4		3/4	
10	2,067.82	10	1,729.22	10	1,384.75	10	1,040.32	10	696.27	10	351.81	10	19.21	10		10		10	
1/4	2,060.64	1/4	1,722.04	1/4	1,377.58	1/4	1,033.16	1/4	689.09	1/4	344.64	1/4		1/4		1/4		1/4	
1/2	2,053.47	1/2	1,714.87	1/2	1,370.40	1/2	1,025.99	1/2	681.92	1/2	337.46	1/2		1/2		1/2		1/2	
3/4	2,046.29	3/4	1,707.69	3/4	1,363.22	3/4	1,018.83	3/4	674.74	3/4	330.28	3/4		3/4		3/4		3/4	
11	2,039.12	11	1,700.51	11	1,356.05	11	1,011.66	11	667.57	11	323.11	11		11		11		11	
1/4	2,031.94	1/4	1,693.34	1/4	1,348.87	1/4	1,004.50	1/4	660.39	1/4	315.93	1/4		1/4		1/4		1/4	
1/2	2,024.77	1/2	1,686.16	1/2	1,341.69	1/2	997.33	1/2	653.21	1/2	308.76	1/2		1/2		1/2		1/2	
3/4	2,017.59	3/4	1,678.99	3/4	1,334.52	3/4	990.17	3/4	646.04	3/4	301.58	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2014 PMA
RECALCULATED: 09/27/2019 PMA
NAME CHANGE: 09/27/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "KIRBY 27736"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 333"

GAUGE HEIGHT 16'-09 1/2"

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	4,337.28	0	4,162.42	0	3,975.99	0	3,781.03	0	3,547.19	0	3,184.59	0	2,821.29
1/4		1/4		1/4		1/4	4,333.63	1/4	4,158.66	1/4	3,971.98	1/4	3,776.96	1/4	3,539.64	1/4	3,177.03	1/4	2,813.72
1/2		1/2		1/2		1/2	4,329.98	1/2	4,154.89	1/2	3,967.98	1/2	3,772.89	1/2	3,532.09	1/2	3,169.46	1/2	2,806.15
3/4		3/4		3/4		3/4	4,326.44	3/4	4,151.10	3/4	3,963.95	3/4	3,768.82	3/4	3,524.55	3/4	3,161.89	3/4	2,798.58
1		1		1		1	4,322.91	1	4,147.32	1	3,959.93	1	3,764.75	1	3,517.00	1	3,154.32	1	2,791.01
1/4		1/4		1/4		1/4	4,319.37	1/4	4,143.53	1/4	3,955.90	1/4	3,760.67	1/4	3,509.45	1/4	3,146.76	1/4	2,783.44
1/2		1/2		1/2		1/2	4,315.84	1/2	4,139.75	1/2	3,951.88	1/2	3,756.60	1/2	3,501.91	1/2	3,139.19	1/2	2,775.87
3/4		3/4		3/4		3/4	4,312.29	3/4	4,135.95	3/4	3,947.84	3/4	3,752.53	3/4	3,494.36	3/4	3,131.62	3/4	2,768.30
2		2		2		2	4,308.73	2	4,132.14	2	3,943.79	2	3,748.46	2	3,486.81	2	3,124.06	2	2,760.73
1/4		1/4		1/4		1/4	4,305.18	1/4	4,128.34	1/4	3,939.75	1/4	3,744.39	1/4	3,479.27	1/4	3,116.49	1/4	2,753.16
1/2		1/2		1/2		1/2	4,301.63	1/2	4,124.54	1/2	3,935.71	1/2	3,740.31	1/2	3,471.72	1/2	3,108.92	1/2	2,745.59
3/4		3/4		3/4		3/4	4,298.06	3/4	4,120.71	3/4	3,931.65	3/4	3,736.24	3/4	3,464.17	3/4	3,101.35	3/4	2,738.02
3		3		3		3	4,294.49	3	4,116.89	3	3,927.59	3	3,732.17	3	3,456.63	3	3,093.79	3	2,730.45
1/4		1/4		1/4		1/4	4,290.91	1/4	4,113.07	1/4	3,923.53	1/4	3,728.10	1/4	3,449.08	1/4	3,086.22	1/4	2,722.88
1/2		1/2		1/2		1/2	4,287.34	1/2	4,109.25	1/2	3,919.47	1/2	3,724.03	1/2	3,441.53	1/2	3,078.65	1/2	2,715.31
3/4		3/4		3/4		3/4	4,283.75	3/4	4,105.41	3/4	3,915.40	3/4	3,719.96	3/4	3,433.99	3/4	3,071.08	3/4	2,707.74
4		4		4		4	4,280.16	4	4,101.57	4	3,911.33	4	3,715.88	4	3,426.44	4	3,063.52	4	2,700.17
1/4		1/4		1/4		1/4	4,276.57	1/4	4,097.73	1/4	3,907.26	1/4	3,711.81	1/4	3,418.89	1/4	3,055.95	1/4	2,692.60
1/2		1/2		1/2		1/2	4,272.98	1/2	4,093.89	1/2	3,903.19	1/2	3,707.74	1/2	3,411.35	1/2	3,048.38	1/2	2,685.03
3/4		3/4		3/4		3/4	4,269.37	3/4	4,090.04	3/4	3,899.11	3/4	3,703.67	3/4	3,403.80	3/4	3,040.81	3/4	2,677.46
5		5		5		5	4,265.76	5	4,086.18	5	3,895.04	5	3,699.60	5	3,396.25	5	3,033.25	5	2,669.89
1/4		1/4		1/4		1/4	4,262.15	1/4	4,082.32	1/4	3,890.97	1/4	3,695.52	1/4	3,388.71	1/4	3,025.68	1/4	2,662.32
1/2		1/2		1/2		1/2	4,258.54	1/2	4,078.46	1/2	3,886.90	1/2	3,691.45	1/2	3,381.16	1/2	3,018.11	1/2	2,654.75
3/4		3/4		3/4		3/4	4,254.91	3/4	4,074.59	3/4	3,882.83	3/4	3,687.38	3/4	3,373.61	3/4	3,010.54	3/4	2,647.18
6		6		6		6	4,251.28	6	4,070.71	6	3,878.76	6	3,683.31	6	3,366.07	6	3,002.97	6	2,639.60
1/4		1/4		1/4		1/4	4,247.66	1/4	4,066.83	1/4	3,874.68	1/4	3,679.24	1/4	3,358.52	1/4	2,995.40	1/4	2,632.02
1/2		1/2		1/2	4,419.93	1/2	4,244.03	1/2	4,062.95	1/2	3,870.61	1/2	3,675.17	1/2	3,350.97	1/2	2,987.84	1/2	2,624.45
3/4		3/4		3/4	4,417.03	3/4	4,240.38	3/4	4,059.04	3/4	3,866.54	3/4	3,671.09	3/4	3,343.43	3/4	2,980.27	3/4	2,616.87
7		7		7	4,414.14	7	4,236.74	7	4,055.13	7	3,862.47	7	3,667.02	7	3,335.88	7	2,972.70	7	2,609.29
1/4		1/4		1/4	4,411.24	1/4	4,233.09	1/4	4,051.22	1/4	3,858.40	1/4	3,662.95	1/4	3,328.33	1/4	2,965.12	1/4	2,601.72
1/2		1/2		1/2	4,408.35	1/2	4,229.45	1/2	4,047.32	1/2	3,854.32	1/2	3,658.88	1/2	3,320.79	1/2	2,957.55	1/2	2,594.14
3/4		3/4		3/4	4,404.50	3/4	4,225.76	3/4	4,043.39	3/4	3,850.25	3/4	3,654.81	3/4	3,313.22	3/4	2,949.98	3/4	2,586.56
8		8		8	4,400.66	8	4,222.08	8	4,039.45	8	3,846.18	8	3,650.73	8	3,305.66	8	2,942.41	8	2,578.99
1/4		1/4		1/4	4,396.82	1/4	4,218.39	1/4	4,035.52	1/4	3,842.11	1/4	3,646.66	1/4	3,298.10	1/4	2,934.84	1/4	2,571.41
1/2		1/2		1/2	4,392.97	1/2	4,214.71	1/2	4,031.59	1/2	3,838.04	1/2	3,642.59	1/2	3,290.54	1/2	2,927.27	1/2	2,563.83
3/4		3/4		3/4	4,388.94	3/4	4,211.00	3/4	4,027.65	3/4	3,833.97	3/4	3,637.20	3/4	3,282.97	3/4	2,919.70	3/4	2,556.25
9		9		9	4,384.91	9	4,207.29	9	4,023.70	9	3,829.89	9	3,631.81	9	3,275.40	9	2,912.13	9	2,548.68
1/4		1/4		1/4	4,380.87	1/4	4,203.58	1/4	4,019.75	1/4	3,825.82	1/4	3,626.42	1/4	3,267.84	1/4	2,904.56	1/4	2,541.10
1/2		1/2		1/2	4,376.84	1/2	4,199.88	1/2	4,015.80	1/2	3,821.75	1/2	3,621.03	1/2	3,260.27	1/2	2,896.99	1/2	2,533.52
3/4		3/4		3/4	4,372.81	3/4	4,196.15	3/4	4,011.84	3/4	3,817.68	3/4	3,613.90	3/4	3,252.70	3/4	2,889.42	3/4	2,525.97
10		10		10	4,368.77	10	4,192.42	10	4,007.87	10	3,813.61	10	3,606.78	10	3,245.13	10	2,881.85	10	2,518.42
1/4		1/4		1/4	4,364.74	1/4	4,188.69	1/4	4,003.90	1/4	3,809.54	1/4	3,599.65	1/4	3,237.57	1/4	2,874.28	1/4	2,510.87
1/2		1/2		1/2	4,360.71	1/2	4,184.96	1/2	3,999.94	1/2	3,805.46	1/2	3,592.52	1/2	3,230.00	1/2	2,866.71	1/2	2,503.33
3/4		3/4		3/4	4,356.68	3/4	4,181.21	3/4	3,995.95	3/4	3,801.39	3/4	3,584.97	3/4	3,222.43	3/4	2,859.14	3/4	2,495.79
11		11		11	4,352.64	11	4,177.46	11	3,991.97	11	3,797.32	11	3,577.41	11	3,214.86	11	2,851.57	11	2,488.25
1/4		1/4		1/4	4,348.61	1/4	4,173.71	1/4	3,987.98	1/4	3,793.25	1/4	3,569.85	1/4	3,207.30	1/4	2,844.00	1/4	2,480.71
1/2		1/2		1/2	4,344.58	1/2	4,169.96	1/2	3,984.00	1/2	3,789.18	1/2	3,562.29	1/2	3,199.73	1/2	2,836.43	1/2	2,473.17
3/4		3/4		3/4	4,340.93	3/4	4,166.19	3/4	3,980.00	3/4	3,785.10	3/4	3,554.74	3/4	3,192.16	3/4	2,828.86	3/4	2,465.63

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'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27736"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 333"

GAUGE HEIGHT 16'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,458.09	0	2,096.83	0	1,740.68	0	1,376.89	0	1,018.63	0	660.03	0	296.07	0		0		0	
1/4	2,450.55	1/4	2,089.32	1/4	1,733.10	1/4	1,369.32	1/4	1,011.28	1/4	652.44	1/4	288.49	1/4	1/4		1/4		1/4
1/2	2,443.01	1/2	2,081.80	1/2	1,725.52	1/2	1,361.74	1/2	1,003.94	1/2	644.86	1/2	280.91	1/2	1/2		1/2		1/2
3/4	2,435.48	3/4	2,074.33	3/4	1,717.94	3/4	1,354.16	3/4	996.59	3/4	637.28	3/4	273.33	3/4	3/4		3/4		3/4
1	2,427.94	1	2,067.85	1	1,710.37	1	1,346.58	1	989.24	1	629.69	1	265.75	1	1		1		1
1/4	2,420.40	1/4	2,060.88	1/4	1,702.79	1/4	1,339.00	1/4	981.89	1/4	622.11	1/4	258.16	1/4	1/4		1/4		1/4
1/2	2,412.86	1/2	2,053.90	1/2	1,695.21	1/2	1,331.42	1/2	974.54	1/2	614.53	1/2	250.58	1/2	1/2		1/2		1/2
3/4	2,405.32	3/4	2,047.10	3/4	1,687.63	3/4	1,323.84	3/4	967.19	3/4	606.94	3/4	243.00	3/4	3/4		3/4		3/4
2	2,397.78	2	2,040.31	2	1,680.05	2	1,316.26	2	959.84	2	599.36	2	235.42	2	2		2		2
1/4	2,390.24	1/4	2,033.51	1/4	1,672.47	1/4	1,308.68	1/4	952.49	1/4	591.78	1/4	227.83	1/4	1/4		1/4		1/4
1/2	2,382.70	1/2	2,026.71	1/2	1,664.89	1/2	1,301.11	1/2	945.14	1/2	584.19	1/2	220.25	1/2	1/2		1/2		1/2
3/4	2,375.16	3/4	2,019.40	3/4	1,657.31	3/4	1,293.53	3/4	937.79	3/4	576.61	3/4	212.67	3/4	3/4		3/4		3/4
3	2,367.63	3	2,012.09	3	1,649.73	3	1,285.95	3	930.44	3	569.03	3	205.08	3	3		3		3
1/4	2,360.09	1/4	2,004.79	1/4	1,642.16	1/4	1,278.37	1/4	923.09	1/4	561.45	1/4	197.50	1/4	1/4		1/4		1/4
1/2	2,352.55	1/2	1,997.48	1/2	1,634.58	1/2	1,270.79	1/2	915.74	1/2	553.86	1/2	189.92	1/2	1/2		1/2		1/2
3/4	2,345.01	3/4	1,990.00	3/4	1,627.00	3/4	1,263.21	3/4	908.39	3/4	546.28	3/4	182.33	3/4	3/4		3/4		3/4
4	2,337.47	4	1,982.51	4	1,619.42	4	1,255.63	4	901.04	4	538.70	4	174.75	4	4		4		4
1/4	2,329.93	1/4	1,975.03	1/4	1,611.84	1/4	1,248.05	1/4	893.70	1/4	531.11	1/4	167.17	1/4	1/4		1/4		1/4
1/2	2,322.39	1/2	1,967.55	1/2	1,604.26	1/2	1,240.47	1/2	886.35	1/2	523.53	1/2	159.58	1/2	1/2		1/2		1/2
3/4	2,314.85	3/4	1,960.07	3/4	1,596.68	3/4	1,232.90	3/4	879.00	3/4	515.95	3/4	152.00	3/4	3/4		3/4		3/4
5	2,307.31	5	1,952.59	5	1,589.10	5	1,225.32	5	871.65	5	508.36	5	144.42	5	5		5		5
1/4	2,299.78	1/4	1,945.11	1/4	1,581.52	1/4	1,217.74	1/4	864.30	1/4	500.78	1/4	136.83	1/4	1/4		1/4		1/4
1/2	2,292.24	1/2	1,937.63	1/2	1,573.95	1/2	1,210.16	1/2	856.95	1/2	493.20	1/2	129.25	1/2	1/2		1/2		1/2
3/4	2,284.72	3/4	1,930.08	3/4	1,566.37	3/4	1,202.74	3/4	849.43	3/4	485.62	3/4	121.67	3/4	3/4		3/4		3/4
6	2,277.19	6	1,922.52	6	1,558.79	6	1,195.32	6	841.90	6	478.03	6	114.09	6	6		6		6
1/4	2,269.67	1/4	1,914.97	1/4	1,551.21	1/4	1,187.89	1/4	834.38	1/4	470.45	1/4	106.51	1/4	1/4		1/4		1/4
1/2	2,262.15	1/2	1,907.42	1/2	1,543.63	1/2	1,180.47	1/2	826.85	1/2	462.87	1/2	98.93	1/2	1/2		1/2		1/2
3/4	2,254.64	3/4	1,899.84	3/4	1,536.05	3/4	1,173.10	3/4	819.27	3/4	455.29	3/4	91.37	3/4	3/4		3/4		3/4
7	2,247.12	7	1,892.26	7	1,528.47	7	1,165.74	7	811.69	7	447.71	7	83.80	7	7		7		7
1/4	2,239.61	1/4	1,884.68	1/4	1,520.89	1/4	1,158.37	1/4	804.10	1/4	440.12	1/4	76.24	1/4	1/4		1/4		1/4
1/2	2,232.09	1/2	1,877.10	1/2	1,513.31	1/2	1,151.00	1/2	796.52	1/2	432.54	1/2	68.68	1/2	1/2		1/2		1/2
3/4	2,224.58	3/4	1,869.52	3/4	1,505.74	3/4	1,143.64	3/4	788.94	3/4	424.96	3/4	61.80	3/4	3/4		3/4		3/4
8	2,217.07	8	1,861.94	8	1,498.16	8	1,136.28	8	781.36	8	417.38	8	54.93	8	8		8		8
1/4	2,209.55	1/4	1,854.36	1/4	1,490.58	1/4	1,128.92	1/4	773.77	1/4	409.80	1/4	48.06	1/4	1/4		1/4		1/4
1/2	2,202.04	1/2	1,846.79	1/2	1,483.00	1/2	1,121.56	1/2	766.19	1/2	402.22	1/2	41.19	1/2	1/2		1/2		1/2
3/4	2,194.52	3/4	1,839.21	3/4	1,475.42	3/4	1,114.20	3/4	758.61	3/4	394.63	3/4	35.97	3/4	3/4		3/4		3/4
9	2,187.01	9	1,831.63	9	1,467.84	9	1,106.85	9	751.02	9	387.05	9	30.74	9	9		9		9
1/4	2,179.49	1/4	1,824.05	1/4	1,460.26	1/4	1,099.49	1/4	743.44	1/4	379.47	1/4	25.52	1/4	1/4		1/4		1/4
1/2	2,171.98	1/2	1,816.47	1/2	1,452.68	1/2	1,092.13	1/2	735.86	1/2	371.89	1/2	20.30	1/2	1/2		1/2		1/2
3/4	2,164.46	3/4	1,808.89	3/4	1,445.10	3/4	1,084.78	3/4	728.27	3/4	364.31	3/4		3/4	3/4		3/4		3/4
10	2,156.95	10	1,801.31	10	1,437.53	10	1,077.43	10	720.69	10	356.73	10		10	10		10		10
1/4	2,149.43	1/4	1,793.73	1/4	1,429.95	1/4	1,070.08	1/4	713.11	1/4	349.14	1/4		1/4	1/4		1/4		1/4
1/2	2,141.92	1/2	1,786.15	1/2	1,422.37	1/2	1,062.73	1/2	705.52	1/2	341.56	1/2		1/2	1/2		1/2		1/2
3/4	2,134.41	3/4	1,778.58	3/4	1,414.79	3/4	1,055.38	3/4	697.94	3/4	333.98	3/4		3/4	3/4		3/4		3/4
11	2,126.89	11	1,771.00	11	1,407.21	11	1,048.03	11	690.36	11	326.40	11		11	11		11		11
1/4	2,119.38	1/4	1,763.42	1/4	1,399.63	1/4	1,040.68	1/4	682.78	1/4	318.82	1/4		1/4	1/4		1/4		1/4
1/2	2,111.86	1/2	1,755.84	1/2	1,392.05	1/2	1,033.33	1/2	675.19	1/2	311.24	1/2		1/2	1/2		1/2		1/2
3/4	2,104.35	3/4	1,748.26	3/4	1,384.47	3/4	1,025.98	3/4	667.61	3/4	303.65	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2014 PMA
RECALCULATED: 09/27/2019 PMA
NAME CHANGE: 09/27/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "KIRBY 27736"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 333"

GAUGE HEIGHT 16'-09 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
1/4		1/4		1/4		1/4	4,358.18	1/4	4,183.51	1/4	3,997.25	1/4	3,802.45	1/4	3,568.67	1/4	3,205.30	1/4	2,841.22		
1/2		1/2		1/2		1/2	4,354.54	1/2	4,179.75	1/2	3,993.24	1/2	3,798.38	1/2	3,561.11	1/2	3,197.72	1/2	2,833.63		
3/4		3/4		3/4		3/4	4,350.89	3/4	4,175.98	3/4	3,989.24	3/4	3,794.31	3/4	3,553.55	3/4	3,190.13	3/4	2,826.05		
1	1	1	1	1	1	1	4,347.36	1	4,172.20	1	3,985.22	1	3,790.24	1	3,545.99	1	3,182.55	1	2,818.46		
1/4		1/4		1/4		1/4	4,343.83	1/4	4,168.42	1/4	3,981.20	1/4	3,786.17	1/4	3,538.42	1/4	3,174.97	1/4	2,810.87		
1/2		1/2		1/2		1/2	4,340.30	1/2	4,164.64	1/2	3,977.18	1/2	3,782.11	1/2	3,530.86	1/2	3,167.38	1/2	2,803.29		
3/4		3/4		3/4		3/4	4,336.77	3/4	4,160.86	3/4	3,973.16	3/4	3,778.04	3/4	3,523.30	3/4	3,159.80	3/4	2,795.70		
2	2	2	2	2	2	2	4,333.22	2	4,157.06	2	3,969.12	2	3,773.97	2	3,515.73	2	3,152.22	2	2,788.12		
1/4		1/4		1/4		1/4	4,329.67	1/4	4,153.26	1/4	3,965.08	1/4	3,769.90	1/4	3,508.17	1/4	3,144.63	1/4	2,780.53		
1/2		1/2		1/2		1/2	4,326.12	1/2	4,149.46	1/2	3,961.04	1/2	3,765.83	1/2	3,500.61	1/2	3,137.05	1/2	2,772.94		
3/4		3/4		3/4		3/4	4,322.57	3/4	4,145.66	3/4	3,957.00	3/4	3,761.76	3/4	3,493.05	3/4	3,129.47	3/4	2,765.36		
3	3	3	3	3	3	3	4,319.01	3	4,141.84	3	3,952.94	3	3,757.70	3	3,485.48	3	3,121.88	3	2,757.77		
1/4		1/4		1/4		1/4	4,315.44	1/4	4,138.02	1/4	3,948.88	1/4	3,753.63	1/4	3,477.92	1/4	3,114.30	1/4	2,750.18		
1/2		1/2		1/2		1/2	4,311.87	1/2	4,134.20	1/2	3,944.83	1/2	3,749.56	1/2	3,470.36	1/2	3,106.71	1/2	2,742.60		
3/4		3/4		3/4		3/4	4,308.30	3/4	4,130.39	3/4	3,940.77	3/4	3,745.49	3/4	3,462.79	3/4	3,099.13	3/4	2,735.01		
4	4	4	4	4	4	4	4,304.71	4	4,126.55	4	3,936.70	4	3,741.42	4	3,455.23	4	3,091.55	4	2,727.43		
1/4		1/4		1/4		1/4	4,301.13	1/4	4,122.72	1/4	3,932.63	1/4	3,737.35	1/4	3,447.67	1/4	3,083.96	1/4	2,719.84		
1/2		1/2		1/2		1/2	4,297.54	1/2	4,118.88	1/2	3,928.57	1/2	3,733.28	1/2	3,440.11	1/2	3,076.38	1/2	2,712.25		
3/4		3/4		3/4		3/4	4,293.95	3/4	4,115.04	3/4	3,924.50	3/4	3,729.22	3/4	3,432.54	3/4	3,068.80	3/4	2,704.67		
5	5	5	5	5	5	5	4,290.34	5	4,111.19	5	3,920.43	5	3,725.15	5	3,424.98	5	3,061.21	5	2,697.08		
1/4		1/4		1/4		1/4	4,286.74	1/4	4,107.34	1/4	3,916.36	1/4	3,721.08	1/4	3,417.42	1/4	3,053.63	1/4	2,689.49		
1/2		1/2		1/2		1/2	4,283.13	1/2	4,103.48	1/2	3,912.29	1/2	3,717.01	1/2	3,409.85	1/2	3,046.05	1/2	2,681.91		
3/4		3/4		3/4		3/4	4,279.53	3/4	4,099.63	3/4	3,908.23	3/4	3,712.94	3/4	3,402.29	3/4	3,038.46	3/4	2,674.32		
6	6	6	6	6	6	6	4,275.90	6	4,095.75	6	3,904.16	6	3,708.87	6	3,394.73	6	3,030.88	6	2,666.73		
1/4		1/4		1/4		1/4	4,272.28	1/4	4,091.88	1/4	3,900.09	1/4	3,704.81	1/4	3,387.17	1/4	3,023.29	1/4	2,659.14		
1/2		1/2		1/2		1/2	4,268.66	1/2	4,088.00	1/2	3,896.02	1/2	3,700.74	1/2	3,379.60	1/2	3,015.70	1/2	2,651.55		
3/4		3/4		3/4	4,440.75	3/4	4,265.03	3/4	4,084.13	3/4	3,891.95	3/4	3,696.67	3/4	3,372.04	3/4	3,008.12	3/4	2,643.96		
7	7	7	7	7	7	7	4,437.86	7	4,261.39	7	4,080.22	7	3,887.88	7	3,692.60	7	3,364.48	7	3,000.53	7	2,636.36
1/4		1/4		1/4		1/4	4,434.97	1/4	4,257.75	1/4	4,076.32	1/4	3,883.82	1/4	3,688.53	1/4	3,356.91	1/4	2,992.95	1/4	2,628.77
1/2		1/2		1/2		1/2	4,432.08	1/2	4,254.11	1/2	4,072.41	1/2	3,879.75	1/2	3,684.46	1/2	3,349.35	1/2	2,985.36	1/2	2,621.18
3/4		3/4		3/4		3/4	4,429.19	3/4	4,250.47	3/4	4,068.51	3/4	3,875.68	3/4	3,680.40	3/4	3,341.79	3/4	2,977.77	3/4	2,613.58
8	8	8	8	8	8	8	4,425.35	8	4,246.79	8	4,064.58	8	3,871.61	8	3,676.33	8	3,334.21	8	2,970.19	8	2,605.99
1/4		1/4		1/4		1/4	4,421.51	1/4	4,243.11	1/4	4,060.66	1/4	3,867.54	1/4	3,672.26	1/4	3,326.63	1/4	2,962.60	1/4	2,598.39
1/2		1/2		1/2		1/2	4,417.67	1/2	4,239.43	1/2	4,056.73	1/2	3,863.47	1/2	3,668.19	1/2	3,319.05	1/2	2,955.01	1/2	2,590.80
3/4		3/4		3/4		3/4	4,413.83	3/4	4,235.75	3/4	4,052.80	3/4	3,859.41	3/4	3,664.12	3/4	3,311.47	3/4	2,947.43	3/4	2,583.21
9	9	9	9	9	9	9	4,409.80	9	4,232.04	9	4,048.86	9	3,855.34	9	3,658.73	9	3,303.89	9	2,939.84	9	2,575.61
1/4		1/4		1/4		1/4	4,405.77	1/4	4,228.34	1/4	4,044.91	1/4	3,851.27	1/4	3,653.35	1/4	3,296.30	1/4	2,932.26	1/4	2,568.02
1/2		1/2		1/2		1/2	4,401.74	1/2	4,224.63	1/2	4,040.97	1/2	3,847.20	1/2	3,647.96	1/2	3,288.72	1/2	2,924.67	1/2	2,560.43
3/4		3/4		3/4		3/4	4,397.71	3/4	4,220.93	3/4	4,037.02	3/4	3,843.13	3/4	3,642.57	3/4	3,281.14	3/4	2,917.08	3/4	2,552.83
10	10	10	10	10	10	10	4,393.68	10	4,217.20	10	4,033.06	10	3,839.06	10	3,635.44	10	3,273.55	10	2,909.50	10	2,545.24
1/4		1/4		1/4		1/4	4,389.65	1/4	4,213.47	1/4	4,029.10	1/4	3,834.99	1/4	3,628.31	1/4	3,265.97	1/4	2,901.91	1/4	2,537.65
1/2		1/2		1/2		1/2	4,385.62	1/2	4,209.75	1/2	4,025.14	1/2	3,830.93	1/2	3,621.18	1/2	3,258.39	1/2	2,894.32	1/2	2,530.05
3/4		3/4		3/4		3/4	4,381.59	3/4	4,206.02	3/4	4,021.17	3/4	3,826.86	3/4	3,614.05	3/4	3,250.80	3/4	2,886.74	3/4	2,522.46
11	11	11	11	11	11	11	4,377.56	11	4,202.27	11	4,017.19	11	3,822.79	11	3,606.49	11	3,243.22	11	2,879.15	11	2,514.86
1/4		1/4		1/4		1/4	4,373.54	1/4	4,198.53	1/4	4,013.21	1/4	3,818.72	1/4	3,598.93	1/4	3,235.64	1/4	2,871.57	1/4	2,507.27
1/2		1/2		1/2		1/2	4,369.51	1/2	4,194.78	1/2	4,009.23	1/2	3,814.65	1/2	3,591.36	1/2	3,228.05	1/2	2,863.98	1/2	2,499.68
3/4		3/4		3/4		3/4	4,365.48	3/4	4,191.04	3/4	4,005.25	3/4	3,810.58	3/4	3,583.80	3/4	3,220.47	3/4	2,856.39	3/4	2,492.08

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'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27736"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 333"

GAUGE HEIGHT 16'-09 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	2,484.49	0	2,120.00	0	1,761.63	0	1,397.07	0	1,032.69	0	668.50	0	303.95	0		0		0	
1/4	2,476.90	1/4	2,112.40	1/4	1,754.03	1/4	1,389.47	1/4	1,025.11	1/4	660.91	1/4	296.36	1/4	1/4		1/4		1/4
1/2	2,469.30	1/2	2,104.81	1/2	1,746.44	1/2	1,381.88	1/2	1,017.53	1/2	653.31	1/2	288.76	1/2	1/2		1/2		1/2
3/4	2,461.71	3/4	2,097.22	3/4	1,738.84	3/4	1,374.28	3/4	1,009.95	3/4	645.72	3/4	281.17	3/4	3/4		3/4		3/4
1	2,454.12	1	2,090.16	1	1,731.25	1	1,366.69	1	1,002.37	1	638.12	1	273.57	1	1		1		1
1/4	2,446.52	1/4	2,083.11	1/4	1,723.65	1/4	1,359.09	1/4	994.79	1/4	630.53	1/4	265.98	1/4	1/4		1/4		1/4
1/2	2,438.93	1/2	2,076.05	1/2	1,716.06	1/2	1,351.50	1/2	987.21	1/2	622.93	1/2	258.38	1/2	1/2		1/2		1/2
3/4	2,431.34	3/4	2,069.00	3/4	1,708.46	3/4	1,343.90	3/4	979.63	3/4	615.34	3/4	250.79	3/4	3/4		3/4		3/4
2	2,423.74	2	2,062.12	2	1,700.87	2	1,336.31	2	972.05	2	607.74	2	243.19	2	2		2		2
1/4	2,416.15	1/4	2,055.25	1/4	1,693.27	1/4	1,328.71	1/4	964.47	1/4	600.15	1/4	235.60	1/4	1/4		1/4		1/4
1/2	2,408.55	1/2	2,048.37	1/2	1,685.68	1/2	1,321.12	1/2	956.89	1/2	592.56	1/2	228.00	1/2	1/2		1/2		1/2
3/4	2,400.96	3/4	2,041.50	3/4	1,678.08	3/4	1,313.52	3/4	949.31	3/4	584.96	3/4	220.41	3/4	3/4		3/4		3/4
3	2,393.37	3	2,034.11	3	1,670.49	3	1,305.93	3	941.74	3	577.37	3	212.82	3	3		3		3
1/4	2,385.77	1/4	2,026.72	1/4	1,662.89	1/4	1,298.33	1/4	934.16	1/4	569.77	1/4	205.22	1/4	1/4		1/4		1/4
1/2	2,378.18	1/2	2,019.33	1/2	1,655.30	1/2	1,290.74	1/2	926.58	1/2	562.18	1/2	197.63	1/2	1/2		1/2		1/2
3/4	2,370.59	3/4	2,011.95	3/4	1,647.70	3/4	1,283.14	3/4	919.00	3/4	554.58	3/4	190.03	3/4	3/4		3/4		3/4
4	2,362.99	4	2,004.39	4	1,640.11	4	1,275.55	4	911.42	4	546.99	4	182.44	4	4		4		4
1/4	2,355.40	1/4	1,996.83	1/4	1,632.51	1/4	1,267.95	1/4	903.84	1/4	539.39	1/4	174.84	1/4	1/4		1/4		1/4
1/2	2,347.81	1/2	1,989.27	1/2	1,624.92	1/2	1,260.36	1/2	896.26	1/2	531.80	1/2	167.25	1/2	1/2		1/2		1/2
3/4	2,340.21	3/4	1,981.71	3/4	1,617.32	3/4	1,252.76	3/4	888.68	3/4	524.20	3/4	159.65	3/4	3/4		3/4		3/4
5	2,332.62	5	1,974.15	5	1,609.73	5	1,245.17	5	881.10	5	516.61	5	152.06	5	5		5		5
1/4	2,325.02	1/4	1,966.59	1/4	1,602.13	1/4	1,237.57	1/4	873.52	1/4	509.01	1/4	144.46	1/4	1/4		1/4		1/4
1/2	2,317.43	1/2	1,959.03	1/2	1,594.54	1/2	1,229.98	1/2	865.94	1/2	501.42	1/2	136.87	1/2	1/2		1/2		1/2
3/4	2,309.84	3/4	1,951.47	3/4	1,586.94	3/4	1,222.38	3/4	858.36	3/4	493.82	3/4	129.28	3/4	3/4		3/4		3/4
6	2,302.24	6	1,943.88	6	1,579.35	6	1,214.79	6	850.77	6	486.23	6	121.69	6	6		6		6
1/4	2,294.65	1/4	1,936.30	1/4	1,571.75	1/4	1,207.19	1/4	843.18	1/4	478.63	1/4	114.10	1/4	1/4		1/4		1/4
1/2	2,287.06	1/2	1,928.71	1/2	1,564.16	1/2	1,199.60	1/2	835.59	1/2	471.04	1/2	106.52	1/2	1/2		1/2		1/2
3/4	2,279.46	3/4	1,921.12	3/4	1,556.56	3/4	1,192.00	3/4	827.99	3/4	463.44	3/4	98.93	3/4	3/4		3/4		3/4
7	2,271.87	7	1,913.53	7	1,548.97	7	1,184.41	7	820.40	7	455.85	7	91.37	7	7		7		7
1/4	2,264.28	1/4	1,905.93	1/4	1,541.37	1/4	1,176.81	1/4	812.80	1/4	448.25	1/4	83.80	1/4	1/4		1/4		1/4
1/2	2,256.68	1/2	1,898.34	1/2	1,533.78	1/2	1,169.22	1/2	805.21	1/2	440.66	1/2	76.24	1/2	1/2		1/2		1/2
3/4	2,249.09	3/4	1,890.74	3/4	1,526.18	3/4	1,161.62	3/4	797.61	3/4	433.06	3/4	68.67	3/4	3/4		3/4		3/4
8	2,241.50	8	1,883.15	8	1,518.59	8	1,154.03	8	790.02	8	425.47	8	61.80	8	8		8		8
1/4	2,233.90	1/4	1,875.55	1/4	1,510.99	1/4	1,146.44	1/4	782.43	1/4	417.87	1/4	54.93	1/4	1/4		1/4		1/4
1/2	2,226.31	1/2	1,867.96	1/2	1,503.40	1/2	1,138.85	1/2	774.83	1/2	410.28	1/2	48.06	1/2	1/2		1/2		1/2
3/4	2,218.71	3/4	1,860.36	3/4	1,495.80	3/4	1,131.27	3/4	767.24	3/4	402.69	3/4	41.18	3/4	3/4		3/4		3/4
9	2,211.12	9	1,852.77	9	1,488.21	9	1,123.68	9	759.64	9	395.09	9	35.96	9	9		9		9
1/4	2,203.53	1/4	1,845.17	1/4	1,480.61	1/4	1,116.09	1/4	752.05	1/4	387.50	1/4	30.74	1/4	1/4		1/4		1/4
1/2	2,195.93	1/2	1,837.58	1/2	1,473.02	1/2	1,108.50	1/2	744.45	1/2	379.90	1/2	25.52	1/2	1/2		1/2		1/2
3/4	2,188.34	3/4	1,829.98	3/4	1,465.42	3/4	1,100.92	3/4	736.86	3/4	372.31	3/4	20.30	3/4	3/4		3/4		3/4
10	2,180.75	10	1,822.39	10	1,457.83	10	1,093.34	10	729.26	10	364.71	10		10	10		10		10
1/4	2,173.15	1/4	1,814.79	1/4	1,450.23	1/4	1,085.75	1/4	721.67	1/4	357.12	1/4		1/4	1/4		1/4		1/4
1/2	2,165.56	1/2	1,807.20	1/2	1,442.64	1/2	1,078.17	1/2	714.07	1/2	349.52	1/2		1/2	1/2		1/2		1/2
3/4	2,157.97	3/4	1,799.60	3/4	1,435.04	3/4	1,070.59	3/4	706.48	3/4	341.93	3/4		3/4	3/4		3/4		3/4
11	2,150.37	11	1,792.01	11	1,427.45	11	1,063.01	11	698.88	11	334.33	11		11	11		11		11
1/4	2,142.78	1/4	1,784.41	1/4	1,419.85	1/4	1,055.43	1/4	691.29	1/4	326.74	1/4		1/4	1/4		1/4		1/4
1/2	2,135.18	1/2	1,776.82	1/2	1,412.26	1/2	1,047.85	1/2	683.69	1/2	319.14	1/2		1/2	1/2		1/2		1/2
3/4	2,127.59	3/4	1,769.22	3/4	1,404.66	3/4	1,040.27	3/4	676.10	3/4	311.55	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2014 PMA
RECALCULATED: 09/27/2019 PMA
NAME CHANGE: 09/27/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "KIRBY 27736"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

EX: CTCO 333

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	1,625	0	3,250	0	4,875	0	6,501	0	8,126	0	9,751	0		0		0	
1/4	34	1/4	1,659	1/4	3,284	1/4	4,909	1/4	6,534	1/4	8,160	1/4	9,785	1/4		1/4		1/4	
1/2	68	1/2	1,693	1/2	3,318	1/2	4,943	1/2	6,568	1/2	8,193	1/2	9,819	1/2		1/2		1/2	
3/4	102	3/4	1,727	3/4	3,352	3/4	4,977	3/4	6,602	3/4	8,227	3/4	9,852	3/4		3/4		3/4	
1	135	1	1,761	1	3,386	1	5,011	1	6,636	1	8,261	1	9,886	1		1		1	
1/4	169	1/4	1,794	1/4	3,420	1/4	5,045	1/4	6,670	1/4	8,295	1/4	9,920	1/4		1/4		1/4	
1/2	203	1/2	1,828	1/2	3,453	1/2	5,079	1/2	6,704	1/2	8,329	1/2	9,954	1/2		1/2		1/2	
3/4	237	3/4	1,862	3/4	3,487	3/4	5,112	3/4	6,738	3/4	8,363	3/4	9,988	3/4		3/4		3/4	
2	271	2	1,896	2	3,521	2	5,146	2	6,771	2	8,397	2	10,022	2		2		2	
1/4	305	1/4	1,930	1/4	3,555	1/4	5,180	1/4	6,805	1/4	8,430	1/4	10,056	1/4		1/4		1/4	
1/2	339	1/2	1,964	1/2	3,589	1/2	5,214	1/2	6,839	1/2	8,464	1/2	10,089	1/2		1/2		1/2	
3/4	372	3/4	1,998	3/4	3,623	3/4	5,248	3/4	6,873	3/4	8,498	3/4		3/4		3/4		3/4	
3	406	3	2,031	3	3,657	3	5,282	3	6,907	3	8,532	3		3		3		3	
1/4	440	1/4	2,065	1/4	3,690	1/4	5,316	1/4	6,941	1/4	8,566	1/4		1/4		1/4		1/4	
1/2	474	1/2	2,099	1/2	3,724	1/2	5,349	1/2	6,975	1/2	8,600	1/2		1/2		1/2		1/2	
3/4	508	3/4	2,133	3/4	3,758	3/4	5,383	3/4	7,008	3/4	8,634	3/4		3/4		3/4		3/4	
4	542	4	2,167	4	3,792	4	5,417	4	7,042	4	8,667	4		4		4		4	
1/4	576	1/4	2,201	1/4	3,826	1/4	5,451	1/4	7,076	1/4	8,701	1/4		1/4		1/4		1/4	
1/2	609	1/2	2,235	1/2	3,860	1/2	5,485	1/2	7,110	1/2	8,735	1/2		1/2		1/2		1/2	
3/4	643	3/4	2,268	3/4	3,894	3/4	5,519	3/4	7,144	3/4	8,769	3/4		3/4		3/4		3/4	
5	677	5	2,302	5	3,927	5	5,553	5	7,178	5	8,803	5		5		5		5	
1/4	711	1/4	2,336	1/4	3,961	1/4	5,586	1/4	7,212	1/4	8,837	1/4		1/4		1/4		1/4	
1/2	745	1/2	2,370	1/2	3,995	1/2	5,620	1/2	7,245	1/2	8,871	1/2		1/2		1/2		1/2	
3/4	779	3/4	2,404	3/4	4,029	3/4	5,654	3/4	7,279	3/4	8,904	3/4		3/4		3/4		3/4	
6	813	6	2,438	6	4,063	6	5,688	6	7,313	6	8,938	6		6		6		6	
1/4	846	1/4	2,472	1/4	4,097	1/4	5,722	1/4	7,347	1/4	8,972	1/4		1/4		1/4		1/4	
1/2	880	1/2	2,505	1/2	4,131	1/2	5,756	1/2	7,381	1/2	9,006	1/2		1/2		1/2		1/2	
3/4	914	3/4	2,539	3/4	4,164	3/4	5,790	3/4	7,415	3/4	9,040	3/4		3/4		3/4		3/4	
7	948	7	2,573	7	4,198	7	5,823	7	7,449	7	9,074	7		7		7		7	
1/4	982	1/4	2,607	1/4	4,232	1/4	5,857	1/4	7,482	1/4	9,108	1/4		1/4		1/4		1/4	
1/2	1,016	1/2	2,641	1/2	4,266	1/2	5,891	1/2	7,516	1/2	9,141	1/2		1/2		1/2		1/2	
3/4	1,050	3/4	2,675	3/4	4,300	3/4	5,925	3/4	7,550	3/4	9,175	3/4		3/4		3/4		3/4	
8	1,083	8	2,709	8	4,334	8	5,959	8	7,584	8	9,209	8		8		8		8	
1/4	1,117	1/4	2,742	1/4	4,368	1/4	5,993	1/4	7,618	1/4	9,243	1/4		1/4		1/4		1/4	
1/2	1,151	1/2	2,776	1/2	4,401	1/2	6,027	1/2	7,652	1/2	9,277	1/2		1/2		1/2		1/2	
3/4	1,185	3/4	2,810	3/4	4,435	3/4	6,060	3/4	7,686	3/4	9,311	3/4		3/4		3/4		3/4	
9	1,219	9	2,844	9	4,469	9	6,094	9	7,719	9	9,345	9		9		9		9	
1/4	1,253	1/4	2,878	1/4	4,503	1/4	6,128	1/4	7,753	1/4	9,378	1/4		1/4		1/4		1/4	
1/2	1,287	1/2	2,912	1/2	4,537	1/2	6,162	1/2	7,787	1/2	9,412	1/2		1/2		1/2		1/2	
3/4	1,320	3/4	2,946	3/4	4,571	3/4	6,196	3/4	7,821	3/4	9,446	3/4		3/4		3/4		3/4	
10	1,354	10	2,979	10	4,605	10	6,230	10	7,855	10	9,480	10		10		10		10	
1/4	1,388	1/4	3,013	1/4	4,638	1/4	6,264	1/4	7,889	1/4	9,514	1/4		1/4		1/4		1/4	
1/2	1,422	1/2	3,047	1/2	4,672	1/2	6,297	1/2	7,923	1/2	9,548	1/2		1/2		1/2		1/2	
3/4	1,456	3/4	3,081	3/4	4,706	3/4	6,331	3/4	7,956	3/4	9,582	3/4		3/4		3/4		3/4	
11	1,490	11	3,115	11	4,740	11	6,365	11	7,990	11	9,615	11		11		11		11	
1/4	1,524	1/4	3,149	1/4	4,774	1/4	6,399	1/4	8,024	1/4	9,649	1/4		1/4		1/4		1/4	
1/2	1,557	1/2	3,183	1/2	4,808	1/2	6,433	1/2	8,058	1/2	9,683	1/2		1/2		1/2		1/2	
3/4	1,591	3/4	3,216	3/4	4,842	3/4	6,467	3/4	8,092	3/4	9,717	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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER PIPE.

STRAPPED: 08/07/14 CL
CALCULATED: 08/08/14 CL
PRINTED: 08/09/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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