



BARGE "KIRBY 27735"

ULLAGE TRIM TABLE
FORMERLY "CTCO 332"

	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 16, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27735"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 332"

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	4,922.52	0	4,594.94	0	4,246.16	0	3,881.58	0	3,516.07	0	3,150.02	0	2,783.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,915.68	1/4	4,587.89	1/4	4,238.67	1/4	3,873.97	1/4	3,508.44	1/4	3,142.39	1/4	2,776.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,908.84	1/2	4,580.84	1/2	4,231.18	1/2	3,866.35	1/2	3,500.82	1/2	3,134.77	1/2	2,768.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,902.21	3/4	4,573.76	3/4	4,223.65	3/4	3,858.74	3/4	3,493.19	3/4	3,127.14	3/4	2,760.98		
1	1	1	1	1	1	1	4,895.58	1	4,566.67	1	4,216.13	1	3,851.12	1	3,485.57	1	3,119.52	1	2,753.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,888.96	1/4	4,559.59	1/4	4,208.60	1/4	3,843.51	1/4	3,477.94	1/4	3,111.89	1/4	2,745.72		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,882.33	1/2	4,552.51	1/2	4,201.07	1/2	3,835.89	1/2	3,470.32	1/2	3,104.26	1/2	2,738.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,875.67	3/4	4,545.39	3/4	4,193.51	3/4	3,828.28	3/4	3,462.69	3/4	3,096.64	3/4	2,730.46		
2	2	2	2	2	2	2	4,869.01	2	4,538.27	2	4,185.95	2	3,820.67	2	3,455.06	2	3,089.01	2	2,722.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,862.36	1/4	4,531.15	1/4	4,178.39	1/4	3,813.05	1/4	3,447.44	1/4	3,081.39	1/4	2,715.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,855.70	1/2	4,524.04	1/2	4,170.83	1/2	3,805.44	1/2	3,439.81	1/2	3,073.76	1/2	2,707.57		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,849.00	3/4	4,516.88	3/4	4,163.24	3/4	3,797.82	3/4	3,432.19	3/4	3,066.13	3/4	2,699.94		
3	3	3	3	3	3	3	4,842.31	3	4,509.73	3	4,155.65	3	3,790.21	3	3,424.56	3	3,058.51	3	2,692.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,835.61	1/4	4,502.58	1/4	4,148.05	1/4	3,782.59	1/4	3,416.93	1/4	3,050.88	1/4	2,684.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,828.91	1/2	4,495.43	1/2	4,140.46	1/2	3,774.98	1/2	3,409.31	1/2	3,043.25	1/2	2,677.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,822.18	3/4	4,488.25	3/4	4,132.85	3/4	3,767.36	3/4	3,401.68	3/4	3,035.63	3/4	2,669.42		
4	4	4	4	4	4	4	4,815.45	4	4,481.06	4	4,125.24	4	3,759.75	4	3,394.06	4	3,028.00	4	2,661.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,808.71	1/4	4,473.88	1/4	4,117.63	1/4	3,752.14	1/4	3,386.43	1/4	3,020.38	1/4	2,654.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,801.98	1/2	4,466.69	1/2	4,110.02	1/2	3,744.52	1/2	3,378.80	1/2	3,012.75	1/2	2,646.53		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,795.21	3/4	4,459.47	3/4	4,102.40	3/4	3,736.91	3/4	3,371.18	3/4	3,005.12	3/4	2,638.90		
5	5	5	5	5	5	5	4,788.45	5	4,452.26	5	4,094.79	5	3,729.29	5	3,363.55	5	2,997.50	5	2,631.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,781.68	1/4	4,445.04	1/4	4,087.17	1/4	3,721.68	1/4	3,355.92	1/4	2,989.87	1/4	2,623.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,774.91	1/2	4,437.82	1/2	4,079.56	1/2	3,714.06	1/2	3,348.30	1/2	2,982.25	1/2	2,616.01		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,768.11	3/4	4,430.56	3/4	4,071.94	3/4	3,706.45	3/4	3,340.67	3/4	2,974.62	3/4	2,608.38		
6	6	6	6	6	6	6	4,761.31	6	4,423.30	6	4,064.33	6	3,698.83	6	3,333.05	6	2,966.99	6	2,600.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,754.51	1/4	4,416.04	1/4	4,056.72	1/4	3,691.22	1/4	3,325.42	1/4	2,959.36	1/4	2,593.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,082.03	1/2	4,747.71	1/2	4,408.78	1/2	4,049.10	1/2	3,683.60	1/2	3,317.79	1/2	2,951.74	1/2	2,585.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,075.61	3/4	4,740.88	3/4	4,401.47	3/4	4,041.49	3/4	3,675.99	3/4	3,310.17	3/4	2,944.11	3/4	2,577.86
7	7	7	7	7	7	7	5,069.20	7	4,734.05	7	4,394.16	7	4,033.87	7	3,668.38	7	3,302.54	7	2,936.48	7	2,570.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,062.78	1/4	4,727.21	1/4	4,386.85	1/4	4,026.26	1/4	3,660.76	1/4	3,294.92	1/4	2,928.85	1/4	2,562.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,056.36	1/2	4,720.38	1/2	4,379.54	1/2	4,018.64	1/2	3,653.15	1/2	3,287.29	1/2	2,921.21	1/2	2,554.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,048.99	3/4	4,713.48	3/4	4,372.19	3/4	4,011.03	3/4	3,645.53	3/4	3,279.66	3/4	2,913.58	3/4	2,547.33
8	8	8	8	8	8	8	5,041.63	8	4,706.59	8	4,364.84	8	4,003.41	8	3,637.92	8	3,272.04	8	2,905.95	8	2,539.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,034.26	1/4	4,699.69	1/4	4,357.49	1/4	3,995.80	1/4	3,630.30	1/4	3,264.41	1/4	2,898.32	1/4	2,532.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,026.89	1/2	4,692.79	1/2	4,350.14	1/2	3,988.18	1/2	3,622.69	1/2	3,256.79	1/2	2,890.69	1/2	2,524.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,019.33	3/4	4,685.85	3/4	4,342.76	3/4	3,980.57	3/4	3,615.07	3/4	3,249.16	3/4	2,883.06	3/4	2,516.81
9	9	9	9	9	9	9	5,011.77	9	4,678.91	9	4,335.38	9	3,972.96	9	3,607.46	9	3,241.53	9	2,875.43	9	2,509.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,004.22	1/4	4,671.97	1/4	4,327.99	1/4	3,965.34	1/4	3,599.85	1/4	3,233.91	1/4	2,867.80	1/4	2,501.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,996.66	1/2	4,665.03	1/2	4,320.61	1/2	3,957.73	1/2	3,592.23	1/2	3,226.28	1/2	2,860.17	1/2	2,493.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,989.10	3/4	4,658.05	3/4	4,313.19	3/4	3,950.11	3/4	3,584.62	3/4	3,218.66	3/4	2,852.54	3/4	2,486.29
10	10	10	10	10	10	10	4,981.54	10	4,651.07	10	4,305.78	10	3,942.50	10	3,577.00	10	3,211.03	10	2,844.91	10	2,478.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,973.99	1/4	4,644.09	1/4	4,298.36	1/4	3,934.88	1/4	3,569.39	1/4	3,203.40	1/4	2,837.28	1/4	2,471.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,966.43	1/2	4,637.11	1/2	4,290.94	1/2	3,927.27	1/2	3,561.77	1/2	3,195.78	1/2	2,829.65	1/2	2,463.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,958.87	3/4	4,630.09	3/4	4,283.49	3/4	3,919.65	3/4	3,554.16	3/4	3,188.15	3/4	2,822.02	3/4	2,455.77
11	11	11	11	11	11	11	4,951.32	11	4,623.07	11	4,276.04	11	3,912.04	11	3,546.54	11	3,180.52	11	2,814.39	11	2,448.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,943.76	1/4	4,616.06	1/4	4,268.59	1/4	3,904.43	1/4	3,538.93	1/4	3,172.90	1/4	2,806.76	1/4	2,440.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,936.20	1/2	4,609.04	1/2	4,261.14	1/2	3,896.81	1/2	3,531.31	1/2	3,165.27	1/2	2,799.13	1/2	2,432.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,929.36	3/4	4,601.99	3/4	4,253.65	3/4	3,889.20	3/4	3,523.69	3/4	3,157.65	3/4	2,791.50	3/4	2,425.25

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 27735"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 332"

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	2,417.62	0	2,051.37	0	1,691.26	0	1,324.95	0	959.68	0	594.53	0	247.44	0		0		0	
1/4	2,409.99	1/4	2,043.74	1/4	1,683.63	1/4	1,317.32	1/4	952.09	1/4	586.90	1/4	240.72	1/4	1/4	1/4		1/4	1/4
1/2	2,402.36	1/2	2,036.11	1/2	1,676.00	1/2	1,309.68	1/2	944.51	1/2	579.27	1/2	234.00	1/2	1/2	1/2		1/2	1/2
3/4	2,394.73	3/4	2,029.02	3/4	1,668.37	3/4	1,302.05	3/4	936.93	3/4	571.65	3/4	227.36	3/4	3/4	3/4		3/4	3/4
1	2,387.10	1	2,021.93	1	1,660.74	1	1,294.42	1	929.35	1	564.03	1	220.73	1	1	1		1	1
1/4	2,379.47	1/4	2,014.84	1/4	1,653.11	1/4	1,286.79	1/4	921.77	1/4	556.40	1/4	214.09	1/4	1/4	1/4		1/4	1/4
1/2	2,371.84	1/2	2,007.75	1/2	1,645.48	1/2	1,279.16	1/2	914.19	1/2	548.78	1/2	207.46	1/2	1/2	1/2		1/2	1/2
3/4	2,364.21	3/4	2,000.84	3/4	1,637.84	3/4	1,271.53	3/4	906.61	3/4	541.20	3/4	200.91	3/4	3/4	3/4		3/4	3/4
2	2,356.58	2	1,993.94	2	1,630.21	2	1,263.90	2	899.03	2	533.62	2	194.36	2	2	2		2	2
1/4	2,348.95	1/4	1,987.03	1/4	1,622.58	1/4	1,256.26	1/4	891.45	1/4	526.04	1/4	187.81	1/4	1/4	1/4		1/4	1/4
1/2	2,341.32	1/2	1,980.12	1/2	1,614.95	1/2	1,248.63	1/2	883.87	1/2	518.46	1/2	181.26	1/2	1/2	1/2		1/2	1/2
3/4	2,333.69	3/4	1,972.69	3/4	1,607.32	3/4	1,241.00	3/4	876.29	3/4	510.96	3/4	174.80	3/4	3/4	3/4		3/4	3/4
3	2,326.06	3	1,965.27	3	1,599.69	3	1,233.37	3	868.71	3	503.46	3	168.34	3	3	3		3	3
1/4	2,318.43	1/4	1,957.84	1/4	1,592.05	1/4	1,225.74	1/4	861.13	1/4	495.96	1/4	161.88	1/4	1/4	1/4		1/4	1/4
1/2	2,310.80	1/2	1,950.42	1/2	1,584.42	1/2	1,218.11	1/2	853.55	1/2	488.45	1/2	155.41	1/2	1/2	1/2		1/2	1/2
3/4	2,303.17	3/4	1,942.82	3/4	1,576.79	3/4	1,210.47	3/4	845.96	3/4	481.04	3/4	149.04	3/4	3/4	3/4		3/4	3/4
4	2,295.54	4	1,935.23	4	1,569.16	4	1,202.84	4	838.38	4	473.62	4	142.67	4	4	4		4	4
1/4	2,287.91	1/4	1,927.63	1/4	1,561.53	1/4	1,195.21	1/4	830.80	1/4	466.21	1/4	136.30	1/4	1/4	1/4		1/4	1/4
1/2	2,280.28	1/2	1,920.03	1/2	1,553.90	1/2	1,187.58	1/2	823.22	1/2	458.79	1/2	129.93	1/2	1/2	1/2		1/2	1/2
3/4	2,272.65	3/4	1,912.44	3/4	1,546.26	3/4	1,179.95	3/4	815.64	3/4	451.47	3/4	123.65	3/4	3/4	3/4		3/4	3/4
5	2,265.02	5	1,904.84	5	1,538.63	5	1,172.32	5	808.06	5	444.14	5	117.38	5	5	5		5	5
1/4	2,257.39	1/4	1,897.25	1/4	1,531.00	1/4	1,164.68	1/4	800.48	1/4	436.81	1/4	111.10	1/4	1/4	1/4		1/4	1/4
1/2	2,249.76	1/2	1,889.65	1/2	1,523.37	1/2	1,157.05	1/2	792.90	1/2	429.48	1/2	104.82	1/2	1/2	1/2		1/2	1/2
3/4	2,242.13	3/4	1,882.03	3/4	1,515.74	3/4	1,149.44	3/4	785.28	3/4	422.24	3/4	98.64	3/4	3/4	3/4		3/4	3/4
6	2,234.50	6	1,874.40	6	1,508.11	6	1,141.83	6	777.66	6	415.00	6	92.46	6	6	6		6	6
1/4	2,226.87	1/4	1,866.78	1/4	1,500.47	1/4	1,134.22	1/4	770.04	1/4	407.76	1/4	86.28	1/4	1/4	1/4		1/4	1/4
1/2	2,219.24	1/2	1,859.16	1/2	1,492.84	1/2	1,126.61	1/2	762.43	1/2	400.52	1/2	80.09	1/2	1/2	1/2		1/2	1/2
3/4	2,211.61	3/4	1,851.53	3/4	1,485.21	3/4	1,119.01	3/4	754.79	3/4	393.36	3/4	74.02	3/4	3/4	3/4		3/4	3/4
7	2,203.98	7	1,843.90	7	1,477.58	7	1,111.41	7	747.16	7	386.21	7	67.95	7	7	7		7	7
1/4	2,196.35	1/4	1,836.27	1/4	1,469.95	1/4	1,103.81	1/4	739.53	1/4	379.05	1/4	61.87	1/4	1/4	1/4		1/4	1/4
1/2	2,188.72	1/2	1,828.63	1/2	1,462.32	1/2	1,096.21	1/2	731.90	1/2	371.90	1/2	55.80	1/2	1/2	1/2		1/2	1/2
3/4	2,181.09	3/4	1,821.00	3/4	1,454.69	3/4	1,088.62	3/4	724.27	3/4	364.83	3/4	50.51	3/4	3/4	3/4		3/4	3/4
8	2,173.46	8	1,813.37	8	1,447.05	8	1,081.02	8	716.64	8	357.76	8	45.22	8	8	8		8	8
1/4	2,165.82	1/4	1,805.74	1/4	1,439.42	1/4	1,073.43	1/4	709.01	1/4	350.69	1/4	39.92	1/4	1/4	1/4		1/4	1/4
1/2	2,158.19	1/2	1,798.11	1/2	1,431.79	1/2	1,065.84	1/2	701.37	1/2	343.62	1/2	34.63	1/2	1/2	1/2		1/2	1/2
3/4	2,150.56	3/4	1,790.48	3/4	1,424.16	3/4	1,058.25	3/4	693.74	3/4	336.64	3/4	30.75	3/4	3/4	3/4		3/4	3/4
9	2,142.93	9	1,782.84	9	1,416.53	9	1,050.66	9	686.11	9	329.66	9	26.87	9	9	9		9	9
1/4	2,135.30	1/4	1,775.21	1/4	1,408.90	1/4	1,043.08	1/4	678.48	1/4	322.68	1/4	22.99	1/4	1/4	1/4		1/4	1/4
1/2	2,127.67	1/2	1,767.58	1/2	1,401.26	1/2	1,035.49	1/2	670.85	1/2	315.70	1/2	19.10	1/2	1/2	1/2		1/2	1/2
3/4	2,120.04	3/4	1,759.95	3/4	1,393.63	3/4	1,027.91	3/4	663.22	3/4	308.80	3/4		3/4	3/4	3/4		3/4	3/4
10	2,112.41	10	1,752.32	10	1,386.00	10	1,020.32	10	655.59	10	301.91	10		10	10	10		10	10
1/4	2,104.78	1/4	1,744.69	1/4	1,378.37	1/4	1,012.74	1/4	647.95	1/4	295.01	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,097.15	1/2	1,737.05	1/2	1,370.74	1/2	1,005.16	1/2	640.32	1/2	288.12	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,089.52	3/4	1,729.42	3/4	1,363.11	3/4	997.58	3/4	632.69	3/4	281.31	3/4		3/4	3/4	3/4		3/4	3/4
11	2,081.89	11	1,721.79	11	1,355.47	11	990.00	11	625.06	11	274.50	11		11	11	11		11	11
1/4	2,074.26	1/4	1,714.16	1/4	1,347.84	1/4	982.42	1/4	617.43	1/4	267.69	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,066.63	1/2	1,706.53	1/2	1,340.21	1/2	974.84	1/2	609.80	1/2	260.88	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,059.00	3/4	1,698.90	3/4	1,332.58	3/4	967.26	3/4	602.17	3/4	254.16	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/2014 PMA
RECALCULATED: 09/16/2019
NAME CHANGE: 09/16/2019

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 27735"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 332"

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	4,932.56	0	4,605.40	0	4,257.50	0	3,893.18	0	3,527.69	0	3,162.20	0	2,796.62
1/4		1/4		1/4		1/4	4,925.72	1/4	4,598.35	1/4	4,250.01	1/4	3,885.57	1/4	3,520.08	1/4	3,154.58	1/4	2,789.00
1/2		1/2		1/2		1/2	4,918.88	1/2	4,591.30	1/2	4,242.52	1/2	3,877.95	1/2	3,512.46	1/2	3,146.97	1/2	2,781.38
3/4		3/4		3/4		3/4	4,912.04	3/4	4,584.25	3/4	4,235.03	3/4	3,870.34	3/4	3,504.85	3/4	3,139.36	3/4	2,773.76
1		1		1		1	4,905.19	1	4,577.20	1	4,227.54	1	3,862.72	1	3,497.23	1	3,131.74	1	2,766.15
1/4		1/4		1/4		1/4	4,898.57	1/4	4,570.11	1/4	4,220.02	1/4	3,855.11	1/4	3,489.62	1/4	3,124.13	1/4	2,758.53
1/2		1/2		1/2		1/2	4,891.94	1/2	4,563.03	1/2	4,212.49	1/2	3,847.50	1/2	3,482.00	1/2	3,116.51	1/2	2,750.91
3/4		3/4		3/4		3/4	4,885.31	3/4	4,555.95	3/4	4,204.96	3/4	3,839.88	3/4	3,474.39	3/4	3,108.90	3/4	2,743.29
2		2		2		2	4,878.69	2	4,548.86	2	4,197.44	2	3,832.27	2	3,466.78	2	3,101.28	2	2,735.67
1/4		1/4		1/4		1/4	4,872.03	1/4	4,541.75	1/4	4,189.88	1/4	3,824.65	1/4	3,459.16	1/4	3,093.67	1/4	2,728.05
1/2		1/2		1/2		1/2	4,865.37	1/2	4,534.63	1/2	4,182.32	1/2	3,817.04	1/2	3,451.55	1/2	3,086.06	1/2	2,720.43
3/4		3/4		3/4		3/4	4,858.71	3/4	4,527.51	3/4	4,174.76	3/4	3,809.42	3/4	3,443.93	3/4	3,078.44	3/4	2,712.82
3		3		3		3	4,852.05	3	4,520.39	3	4,167.20	3	3,801.81	3	3,436.32	3	3,070.83	3	2,705.20
1/4		1/4		1/4		1/4	4,845.36	1/4	4,513.24	1/4	4,159.60	1/4	3,794.19	1/4	3,428.70	1/4	3,063.21	1/4	2,697.58
1/2		1/2		1/2		1/2	4,838.66	1/2	4,506.09	1/2	4,152.01	1/2	3,786.58	1/2	3,421.09	1/2	3,055.60	1/2	2,689.96
3/4		3/4		3/4		3/4	4,831.96	3/4	4,498.94	3/4	4,144.42	3/4	3,778.97	3/4	3,413.47	3/4	3,047.98	3/4	2,682.34
4		4		4		4	4,825.27	4	4,491.79	4	4,136.82	4	3,771.35	4	3,405.86	4	3,040.37	4	2,674.72
1/4		1/4		1/4		1/4	4,818.53	1/4	4,484.61	1/4	4,129.21	1/4	3,763.74	1/4	3,398.25	1/4	3,032.75	1/4	2,667.11
1/2		1/2		1/2		1/2	4,811.80	1/2	4,477.42	1/2	4,121.60	1/2	3,756.12	1/2	3,390.63	1/2	3,025.14	1/2	2,659.49
3/4		3/4		3/4		3/4	4,805.07	3/4	4,470.24	3/4	4,113.99	3/4	3,748.51	3/4	3,383.02	3/4	3,017.53	3/4	2,651.87
5		5		5		5	4,798.34	5	4,463.05	5	4,106.38	5	3,740.89	5	3,375.40	5	3,009.91	5	2,644.25
1/4		1/4		1/4		1/4	4,791.57	1/4	4,455.83	1/4	4,098.77	1/4	3,733.28	1/4	3,367.79	1/4	3,002.30	1/4	2,636.63
1/2		1/2		1/2		1/2	4,784.80	1/2	4,448.61	1/2	4,091.16	1/2	3,725.66	1/2	3,360.17	1/2	2,994.68	1/2	2,629.01
3/4		3/4		3/4		3/4	4,778.04	3/4	4,441.40	3/4	4,083.54	3/4	3,718.05	3/4	3,352.56	3/4	2,987.07	3/4	2,621.40
6		6		6		6	4,771.27	6	4,434.18	6	4,075.93	6	3,710.44	6	3,344.94	6	2,979.45	6	2,613.78
1/4		1/4		1/4		1/4	4,764.47	1/4	4,426.92	1/4	4,068.31	1/4	3,702.82	1/4	3,337.33	1/4	2,971.84	1/4	2,606.16
1/2		1/2		1/2		1/2	4,757.67	1/2	4,419.66	1/2	4,060.70	1/2	3,695.21	1/2	3,329.72	1/2	2,964.22	1/2	2,598.54
3/4		3/4		3/4		3/4	4,750.87	3/4	4,412.40	3/4	4,053.08	3/4	3,687.59	3/4	3,322.10	3/4	2,956.60	3/4	2,590.92
7		7		7	5,078.37	7	4,744.07	7	4,405.14	7	4,045.47	7	3,679.98	7	3,314.49	7	2,948.99	7	2,583.30
1/4		1/4		1/4	5,071.96	1/4	4,737.24	1/4	4,397.83	1/4	4,037.86	1/4	3,672.36	1/4	3,306.87	1/4	2,941.37	1/4	2,575.69
1/2		1/2		1/2	5,065.54	1/2	4,730.40	1/2	4,390.52	1/2	4,030.24	1/2	3,664.75	1/2	3,299.26	1/2	2,933.75	1/2	2,568.07
3/4		3/4		3/4	5,059.13	3/4	4,723.57	3/4	4,383.21	3/4	4,022.63	3/4	3,657.14	3/4	3,291.64	3/4	2,926.13	3/4	2,560.45
8		8		8	5,052.71	8	4,716.74	8	4,375.90	8	4,015.01	8	3,649.52	8	3,284.03	8	2,918.51	8	2,552.83
1/4		1/4		1/4	5,045.35	1/4	4,709.84	1/4	4,368.55	1/4	4,007.40	1/4	3,641.91	1/4	3,276.42	1/4	2,910.89	1/4	2,545.21
1/2		1/2		1/2	5,037.98	1/2	4,702.94	1/2	4,361.20	1/2	3,999.78	1/2	3,634.29	1/2	3,268.80	1/2	2,903.28	1/2	2,537.59
3/4		3/4		3/4	5,030.61	3/4	4,696.05	3/4	4,353.85	3/4	3,992.17	3/4	3,626.68	3/4	3,261.19	3/4	2,895.66	3/4	2,529.97
9		9		9	5,023.24	9	4,689.15	9	4,346.50	9	3,984.55	9	3,619.06	9	3,253.57	9	2,888.04	9	2,522.36
1/4		1/4		1/4	5,015.68	1/4	4,682.21	1/4	4,339.12	1/4	3,976.94	1/4	3,611.45	1/4	3,245.96	1/4	2,880.42	1/4	2,514.74
1/2		1/2		1/2	5,008.13	1/2	4,675.27	1/2	4,331.74	1/2	3,969.33	1/2	3,603.83	1/2	3,238.34	1/2	2,872.80	1/2	2,507.12
3/4		3/4		3/4	5,000.57	3/4	4,668.33	3/4	4,324.35	3/4	3,961.71	3/4	3,596.22	3/4	3,230.73	3/4	2,865.18	3/4	2,499.50
10		10		10	4,993.01	10	4,661.39	10	4,316.97	10	3,954.10	10	3,588.61	10	3,223.11	10	2,857.57	10	2,491.88
1/4		1/4		1/4	4,985.46	1/4	4,654.41	1/4	4,309.55	1/4	3,946.48	1/4	3,580.99	1/4	3,215.50	1/4	2,849.95	1/4	2,484.26
1/2		1/2		1/2	4,977.90	1/2	4,647.43	1/2	4,302.14	1/2	3,938.87	1/2	3,573.38	1/2	3,207.89	1/2	2,842.33	1/2	2,476.65
3/4		3/4		3/4	4,970.34	3/4	4,640.44	3/4	4,294.72	3/4	3,931.25	3/4	3,565.76	3/4	3,200.27	3/4	2,834.71	3/4	2,469.03
11		11		11	4,962.79	11	4,633.46	11	4,287.30	11	3,923.64	11	3,558.15	11	3,192.66	11	2,827.09	11	2,461.41
1/4		1/4		1/4	4,955.23	1/4	4,626.45	1/4	4,279.85	1/4	3,916.02	1/4	3,550.53	1/4	3,185.04	1/4	2,819.47	1/4	2,453.79
1/2		1/2		1/2	4,947.67	1/2	4,619.43	1/2	4,272.40	1/2	3,908.41	1/2	3,542.92	1/2	3,177.43	1/2	2,811.86	1/2	2,446.17
3/4		3/4		3/4	4,940.11	3/4	4,612.41	3/4	4,264.95	3/4	3,900.80	3/4	3,535.30	3/4	3,169.81	3/4	2,804.24	3/4	2,438.55

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 27735"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 332"

GAUGE HEIGHT 16'-10"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,430.94	0	2,065.25	0	1,705.71	0	1,339.96	0	974.36	0	608.96	0	260.66	0		0		0	
1/4	2,423.32	1/4	2,057.63	1/4	1,698.09	1/4	1,332.34	1/4	966.75	1/4	601.34	1/4	253.95	1/4	1/4	1/4		1/4	
1/2	2,415.70	1/2	2,050.02	1/2	1,690.47	1/2	1,324.72	1/2	959.15	1/2	593.72	1/2	247.24	1/2	1/2	1/2		1/2	
3/4	2,408.08	3/4	2,042.40	3/4	1,682.85	3/4	1,317.10	3/4	951.54	3/4	586.10	3/4	240.53	3/4	3/4	3/4		3/4	
1	2,400.46	1	2,034.78	1	1,675.23	1	1,309.48	1	943.93	1	578.48	1	233.82	1	1	1		1	
1/4	2,392.84	1/4	2,027.70	1/4	1,667.61	1/4	1,301.86	1/4	936.33	1/4	570.87	1/4	227.20	1/4	1/4	1/4		1/4	
1/2	2,385.23	1/2	2,020.62	1/2	1,659.99	1/2	1,294.24	1/2	928.72	1/2	563.27	1/2	220.57	1/2	1/2	1/2		1/2	
3/4	2,377.61	3/4	2,013.55	3/4	1,652.37	3/4	1,286.62	3/4	921.12	3/4	555.66	3/4	213.95	3/4	3/4	3/4		3/4	
2	2,369.99	2	2,006.47	2	1,644.75	2	1,279.00	2	913.51	2	548.06	2	207.33	2	2	2		2	
1/4	2,362.37	1/4	1,999.57	1/4	1,637.13	1/4	1,271.38	1/4	905.90	1/4	540.49	1/4	200.79	1/4	1/4	1/4		1/4	
1/2	2,354.75	1/2	1,992.67	1/2	1,629.51	1/2	1,263.76	1/2	898.30	1/2	532.93	1/2	194.25	1/2	1/2	1/2		1/2	
3/4	2,347.13	3/4	1,985.77	3/4	1,621.89	3/4	1,256.14	3/4	890.69	3/4	525.37	3/4	187.72	3/4	3/4	3/4		3/4	
3	2,339.51	3	1,978.88	3	1,614.27	3	1,248.52	3	883.09	3	517.81	3	181.18	3	3	3		3	
1/4	2,331.90	1/4	1,971.46	1/4	1,606.65	1/4	1,240.90	1/4	875.48	1/4	510.33	1/4	174.73	1/4	1/4	1/4		1/4	
1/2	2,324.28	1/2	1,964.05	1/2	1,599.03	1/2	1,233.28	1/2	867.87	1/2	502.84	1/2	168.28	1/2	1/2	1/2		1/2	
3/4	2,316.66	3/4	1,956.64	3/4	1,591.41	3/4	1,225.66	3/4	860.27	3/4	495.35	3/4	161.83	3/4	3/4	3/4		3/4	
4	2,309.04	4	1,949.23	4	1,583.79	4	1,218.04	4	852.66	4	487.86	4	155.38	4	4	4		4	
1/4	2,301.42	1/4	1,941.64	1/4	1,576.17	1/4	1,210.42	1/4	845.06	1/4	480.46	1/4	149.01	1/4	1/4	1/4		1/4	
1/2	2,293.80	1/2	1,934.06	1/2	1,568.55	1/2	1,202.80	1/2	837.45	1/2	473.06	1/2	142.65	1/2	1/2	1/2		1/2	
3/4	2,286.19	3/4	1,926.47	3/4	1,560.93	3/4	1,195.18	3/4	829.84	3/4	465.65	3/4	136.29	3/4	3/4	3/4		3/4	
5	2,278.57	5	1,918.89	5	1,553.31	5	1,187.56	5	822.24	5	458.25	5	129.92	5	5	5		5	
1/4	2,270.95	1/4	1,911.30	1/4	1,545.69	1/4	1,179.94	1/4	814.63	1/4	450.93	1/4	123.65	1/4	1/4	1/4		1/4	
1/2	2,263.33	1/2	1,903.72	1/2	1,538.07	1/2	1,172.32	1/2	807.03	1/2	443.62	1/2	117.37	1/2	1/2	1/2		1/2	
3/4	2,255.71	3/4	1,896.14	3/4	1,530.45	3/4	1,164.70	3/4	799.42	3/4	436.30	3/4	111.09	3/4	3/4	3/4		3/4	
6	2,248.09	6	1,888.55	6	1,522.83	6	1,157.08	6	791.81	6	428.98	6	104.82	6	6	6		6	
1/4	2,240.48	1/4	1,880.94	1/4	1,515.21	1/4	1,149.46	1/4	784.20	1/4	421.75	1/4	98.64	1/4	1/4	1/4		1/4	
1/2	2,232.86	1/2	1,873.33	1/2	1,507.59	1/2	1,141.84	1/2	776.58	1/2	414.52	1/2	92.45	1/2	1/2	1/2		1/2	
3/4	2,225.24	3/4	1,865.72	3/4	1,499.97	3/4	1,134.22	3/4	768.97	3/4	407.29	3/4	86.27	3/4	3/4	3/4		3/4	
7	2,217.62	7	1,858.11	7	1,492.35	7	1,126.60	7	761.35	7	400.06	7	80.09	7	7	7		7	
1/4	2,210.00	1/4	1,850.49	1/4	1,484.74	1/4	1,118.98	1/4	753.73	1/4	392.92	1/4	74.02	1/4	1/4	1/4		1/4	
1/2	2,202.38	1/2	1,842.87	1/2	1,477.12	1/2	1,111.36	1/2	746.11	1/2	385.78	1/2	67.94	1/2	1/2	1/2		1/2	
3/4	2,194.77	3/4	1,835.25	3/4	1,469.50	3/4	1,103.75	3/4	738.49	3/4	378.63	3/4	61.87	3/4	3/4	3/4		3/4	
8	2,187.15	8	1,827.63	8	1,461.88	8	1,096.13	8	730.87	8	371.49	8	55.80	8	8	8		8	
1/4	2,179.53	1/4	1,820.01	1/4	1,454.26	1/4	1,088.51	1/4	723.25	1/4	364.43	1/4	50.50	1/4	1/4	1/4		1/4	
1/2	2,171.91	1/2	1,812.39	1/2	1,446.64	1/2	1,080.90	1/2	715.63	1/2	357.38	1/2	45.21	1/2	1/2	1/2		1/2	
3/4	2,164.29	3/4	1,804.77	3/4	1,439.02	3/4	1,073.28	3/4	708.01	3/4	350.32	3/4	39.92	3/4	3/4	3/4		3/4	
9	2,156.67	9	1,797.15	9	1,431.40	9	1,065.67	9	700.39	9	343.26	9	34.63	9	9	9		9	
1/4	2,149.05	1/4	1,789.53	1/4	1,423.78	1/4	1,058.05	1/4	692.77	1/4	336.29	1/4	30.74	1/4	1/4	1/4		1/4	
1/2	2,141.44	1/2	1,781.91	1/2	1,416.16	1/2	1,050.44	1/2	685.15	1/2	329.32	1/2	26.86	1/2	1/2	1/2		1/2	
3/4	2,133.82	3/4	1,774.29	3/4	1,408.54	3/4	1,042.83	3/4	677.53	3/4	322.35	3/4	22.98	3/4	3/4	3/4		3/4	
10	2,126.20	10	1,766.67	10	1,400.92	10	1,035.21	10	669.91	10	315.38	10	19.10	10	10	10		10	
1/4	2,118.58	1/4	1,759.05	1/4	1,393.30	1/4	1,027.60	1/4	662.29	1/4	308.50	1/4		1/4	1/4	1/4		1/4	
1/2	2,110.96	1/2	1,751.43	1/2	1,385.68	1/2	1,020.00	1/2	654.68	1/2	301.62	1/2		1/2	1/2	1/2		1/2	
3/4	2,103.34	3/4	1,743.81	3/4	1,378.06	3/4	1,012.39	3/4	647.06	3/4	294.73	3/4		3/4	3/4	3/4		3/4	
11	2,095.73	11	1,736.19	11	1,370.44	11	1,004.78	11	639.44	11	287.85	11		11	11	11		11	
1/4	2,088.11	1/4	1,728.57	1/4	1,362.82	1/4	997.18	1/4	631.82	1/4	281.05	1/4		1/4	1/4	1/4		1/4	
1/2	2,080.49	1/2	1,720.95	1/2	1,355.20	1/2	989.57	1/2	624.20	1/2	274.26	1/2		1/2	1/2	1/2		1/2	
3/4	2,072.87	3/4	1,713.33	3/4	1,347.58	3/4	981.96	3/4	616.58	3/4	267.46	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/2014 PMA
RECALCULATED: 09/16/2019
NAME CHANGE: 09/16/2019

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 27735"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 332"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,700.18	0	4,391.96	0	4,065.02	0	3,722.32	0	3,378.38	0	3,034.43	0	2,690.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,693.07	1/4	4,385.36	1/4	4,058.01	1/4	3,715.16	1/4	3,371.21	1/4	3,027.27	1/4	2,683.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,686.64	1/2	4,378.72	1/2	4,050.96	1/2	3,707.99	1/2	3,364.05	1/2	3,020.10	1/2	2,676.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,680.21	3/4	4,372.09	3/4	4,043.92	3/4	3,700.83	3/4	3,356.88	3/4	3,012.94	3/4	2,668.89
1		1		1		1	4,673.77	1	4,365.46	1	4,036.87	1	3,693.66	1	3,349.72	1	3,005.77	1	2,661.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,667.34	1/4	4,358.82	1/4	4,029.82	1/4	3,686.49	1/4	3,342.55	1/4	2,998.61	1/4	2,654.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,661.11	1/2	4,352.16	1/2	4,022.74	1/2	3,679.33	1/2	3,335.38	1/2	2,991.44	1/2	2,647.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,654.87	3/4	4,345.49	3/4	4,015.65	3/4	3,672.16	3/4	3,328.22	3/4	2,984.27	3/4	2,640.22
2		2		2		2	4,648.64	2	4,338.83	2	4,008.57	2	3,665.00	2	3,321.05	2	2,977.11	2	2,633.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,642.41	1/4	4,332.17	1/4	4,001.49	1/4	3,657.83	1/4	3,313.89	1/4	2,969.94	1/4	2,625.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,636.15	1/2	4,325.47	1/2	3,994.37	1/2	3,650.67	1/2	3,306.72	1/2	2,962.78	1/2	2,618.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,629.89	3/4	4,318.77	3/4	3,987.26	3/4	3,643.50	3/4	3,299.56	3/4	2,955.61	3/4	2,611.54
3		3		3		3	4,623.63	3	4,312.08	3	3,980.15	3	3,636.34	3	3,292.39	3	2,948.45	3	2,604.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,617.36	1/4	4,305.38	1/4	3,973.03	1/4	3,629.17	1/4	3,285.23	1/4	2,941.28	1/4	2,597.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,611.07	1/2	4,298.65	1/2	3,965.88	1/2	3,622.00	1/2	3,278.06	1/2	2,934.12	1/2	2,590.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,604.77	3/4	4,291.92	3/4	3,958.74	3/4	3,614.84	3/4	3,270.89	3/4	2,926.95	3/4	2,582.86
4		4		4		4	4,598.47	4	4,285.20	4	3,951.59	4	3,607.67	4	3,263.73	4	2,919.79	4	2,575.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,592.17	1/4	4,278.47	1/4	3,944.45	1/4	3,600.51	1/4	3,256.56	1/4	2,912.62	1/4	2,568.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,585.84	1/2	4,271.71	1/2	3,937.28	1/2	3,593.34	1/2	3,249.40	1/2	2,905.45	1/2	2,561.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,579.51	3/4	4,264.95	3/4	3,930.12	3/4	3,586.18	3/4	3,242.23	3/4	2,898.29	3/4	2,554.18
5		5		5		5	4,573.18	5	4,258.19	5	3,922.95	5	3,579.01	5	3,235.07	5	2,891.12	5	2,547.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,566.84	1/4	4,251.43	1/4	3,915.79	1/4	3,571.85	1/4	3,227.90	1/4	2,883.96	1/4	2,539.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,560.48	1/2	4,244.64	1/2	3,908.62	1/2	3,564.68	1/2	3,220.74	1/2	2,876.79	1/2	2,532.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,554.12	3/4	4,237.85	3/4	3,901.46	3/4	3,557.51	3/4	3,213.57	3/4	2,869.63	3/4	2,525.50
6		6		6		6	4,547.75	6	4,231.06	6	3,894.29	6	3,550.35	6	3,206.41	6	2,862.46	6	2,518.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,541.39	1/4	4,224.26	1/4	3,887.13	1/4	3,543.18	1/4	3,199.24	1/4	2,855.30	1/4	2,511.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,535.00	1/2	4,217.43	1/2	3,879.96	1/2	3,536.02	1/2	3,192.07	1/2	2,848.13	1/2	2,503.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,528.60	3/4	4,210.61	3/4	3,872.80	3/4	3,528.85	3/4	3,184.91	3/4	2,840.96	3/4	2,496.82
7		7		7		7	4,522.21	7	4,203.78	7	3,865.63	7	3,521.69	7	3,177.74	7	2,833.79	7	2,489.65
1/4	1/4	1/4	4,830.23	1/4	4,515.81	1/4	4,196.95	1/4	3,858.47	1/4	3,514.52	1/4	3,170.58	1/4	2,826.62	1/4	2,482.48		
1/2	1/2	1/2	4,824.20	1/2	4,509.38	1/2	4,190.07	1/2	3,851.30	1/2	3,507.36	1/2	3,163.41	1/2	2,819.46	1/2	2,475.31		
3/4	3/4	3/4	4,818.16	3/4	4,502.96	3/4	4,183.19	3/4	3,844.14	3/4	3,500.19	3/4	3,156.25	3/4	2,812.29	3/4	2,468.14		
8		8	4,812.13	8	4,496.53	8	4,176.31	8	3,836.97	8	3,493.03	8	3,149.08	8	2,805.12	8	2,460.98		
1/4	1/4	1/4	4,806.09	1/4	4,490.10	1/4	4,169.43	1/4	3,829.80	1/4	3,485.86	1/4	3,141.92	1/4	2,797.95	1/4	2,453.81		
1/2	1/2	1/2	4,799.16	1/2	4,483.62	1/2	4,162.51	1/2	3,822.64	1/2	3,478.69	1/2	3,134.75	1/2	2,790.78	1/2	2,446.64		
3/4	3/4	3/4	4,792.23	3/4	4,477.13	3/4	4,155.60	3/4	3,815.47	3/4	3,471.53	3/4	3,127.58	3/4	2,783.61	3/4	2,439.47		
9		9	4,785.30	9	4,470.64	9	4,148.68	9	3,808.31	9	3,464.36	9	3,120.42	9	2,776.44	9	2,432.30		
1/4	1/4	1/4	4,778.37	1/4	4,464.15	1/4	4,141.77	1/4	3,801.14	1/4	3,457.20	1/4	3,113.25	1/4	2,769.27	1/4	2,425.13		
1/2	1/2	1/2	4,771.26	1/2	4,457.62	1/2	4,134.82	1/2	3,793.98	1/2	3,450.03	1/2	3,106.09	1/2	2,762.10	1/2	2,417.96		
3/4	3/4	3/4	4,764.16	3/4	4,451.09	3/4	4,127.87	3/4	3,786.81	3/4	3,442.87	3/4	3,098.92	3/4	2,754.93	3/4	2,410.79		
10		10	4,757.05	10	4,444.56	10	4,120.92	10	3,779.65	10	3,435.70	10	3,091.76	10	2,747.76	10	2,403.62		
1/4	1/4	1/4	4,749.94	1/4	4,438.03	1/4	4,113.98	1/4	3,772.48	1/4	3,428.54	1/4	3,084.59	1/4	2,740.59	1/4	2,396.45		
1/2	1/2	1/2	4,742.83	1/2	4,431.46	1/2	4,107.00	1/2	3,765.31	1/2	3,421.37	1/2	3,077.43	1/2	2,733.42	1/2	2,389.28		
3/4	3/4	3/4	4,735.72	3/4	4,424.90	3/4	4,100.02	3/4	3,758.15	3/4	3,414.20	3/4	3,070.26	3/4	2,726.25	3/4	2,382.11		
11		11	4,728.61	11	4,418.33	11	4,093.04	11	3,750.98	11	3,407.04	11	3,063.10	11	2,719.08	11	2,374.94		
1/4	1/4	1/4	4,721.51	1/4	4,411.76	1/4	4,086.06	1/4	3,743.82	1/4	3,399.87	1/4	3,055.93	1/4	2,711.91	1/4	2,367.77		
1/2	1/2	1/2	4,714.40	1/2	4,405.16	1/2	4,079.05	1/2	3,736.65	1/2	3,392.71	1/2	3,048.76	1/2	2,704.74	1/2	2,360.60		
3/4	3/4	3/4	4,707.29	3/4	4,398.56	3/4	4,072.04	3/4	3,729.49	3/4	3,385.54	3/4	3,041.60	3/4	2,697.57	3/4	2,353.43		

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 27735"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 332"

GAUGE HEIGHT 16'-10 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,346.26	0	2,002.12	0	1,663.78	0	1,319.58	0	981.84	0	645.55	0	301.35	0		0		0	
1/4	2,339.09	1/4	1,994.95	1/4	1,656.61	1/4	1,312.41	1/4	974.97	1/4	638.38	1/4	294.18	1/4	1/4		1/4		1/4
1/2	2,331.92	1/2	1,987.78	1/2	1,649.44	1/2	1,305.23	1/2	968.11	1/2	631.21	1/2	287.01	1/2	1/2		1/2		1/2
3/4	2,324.75	3/4	1,980.61	3/4	1,642.27	3/4	1,298.06	3/4	961.24	3/4	624.04	3/4	279.84	3/4	3/4		3/4		3/4
1	2,317.58	1	1,973.44	1	1,635.10	1	1,290.89	1	954.37	1	616.87	1	272.67	1	1		1		1
1/4	2,310.41	1/4	1,966.27	1/4	1,627.93	1/4	1,283.72	1/4	947.51	1/4	609.70	1/4	265.50	1/4	1/4		1/4		1/4
1/2	2,303.24	1/2	1,959.61	1/2	1,620.76	1/2	1,276.55	1/2	940.64	1/2	602.53	1/2	258.33	1/2	1/2		1/2		1/2
3/4	2,296.07	3/4	1,952.95	3/4	1,613.59	3/4	1,269.38	3/4	933.77	3/4	595.36	3/4	251.16	3/4	3/4		3/4		3/4
2	2,288.90	2	1,946.29	2	1,606.42	2	1,262.21	2	926.91	2	588.19	2	243.99	2	2		2		2
1/4	2,281.74	1/4	1,939.63	1/4	1,599.25	1/4	1,255.04	1/4	920.04	1/4	581.01	1/4	236.82	1/4	1/4		1/4		1/4
1/2	2,274.57	1/2	1,933.14	1/2	1,592.07	1/2	1,247.87	1/2	913.17	1/2	573.84	1/2	229.65	1/2	1/2		1/2		1/2
3/4	2,267.40	3/4	1,926.65	3/4	1,584.90	3/4	1,240.70	3/4	906.31	3/4	566.67	3/4	222.47	3/4	3/4		3/4		3/4
3	2,260.23	3	1,920.16	3	1,577.73	3	1,233.52	3	899.44	3	559.50	3	215.30	3	3		3		3
1/4	2,253.06	1/4	1,913.67	1/4	1,570.56	1/4	1,226.35	1/4	892.57	1/4	552.33	1/4	208.13	1/4	1/4		1/4		1/4
1/2	2,245.89	1/2	1,906.69	1/2	1,563.39	1/2	1,219.18	1/2	885.71	1/2	545.16	1/2	200.96	1/2	1/2		1/2		1/2
3/4	2,238.72	3/4	1,899.72	3/4	1,556.22	3/4	1,212.01	3/4	878.84	3/4	537.99	3/4	193.79	3/4	3/4		3/4		3/4
4	2,231.55	4	1,892.74	4	1,549.05	4	1,204.84	4	871.97	4	530.82	4	186.62	4	4		4		4
1/4	2,224.38	1/4	1,885.77	1/4	1,541.88	1/4	1,197.67	1/4	865.11	1/4	523.65	1/4	179.45	1/4	1/4		1/4		1/4
1/2	2,217.21	1/2	1,878.63	1/2	1,534.71	1/2	1,190.50	1/2	858.24	1/2	516.48	1/2	172.28	1/2	1/2		1/2		1/2
3/4	2,210.04	3/4	1,871.50	3/4	1,527.54	3/4	1,183.33	3/4	851.37	3/4	509.31	3/4	165.11	3/4	3/4		3/4		3/4
5	2,202.87	5	1,864.36	5	1,520.36	5	1,176.16	5	844.51	5	502.14	5	157.94	5	5		5		5
1/4	2,195.70	1/4	1,857.23	1/4	1,513.19	1/4	1,168.99	1/4	837.64	1/4	494.97	1/4	150.77	1/4	1/4		1/4		1/4
1/2	2,188.53	1/2	1,850.09	1/2	1,506.02	1/2	1,161.81	1/2	830.78	1/2	487.79	1/2	143.60	1/2	1/2		1/2		1/2
3/4	2,181.36	3/4	1,842.96	3/4	1,498.85	3/4	1,154.64	3/4	823.91	3/4	480.62	3/4	136.43	3/4	3/4		3/4		3/4
6	2,174.19	6	1,835.82	6	1,491.68	6	1,147.47	6	817.04	6	473.45	6	129.26	6	6		6		6
1/4	2,167.02	1/4	1,828.68	1/4	1,484.51	1/4	1,140.30	1/4	810.18	1/4	466.28	1/4	122.09	1/4	1/4		1/4		1/4
1/2	2,159.85	1/2	1,821.52	1/2	1,477.34	1/2	1,133.34	1/2	803.08	1/2	459.11	1/2	114.92	1/2	1/2		1/2		1/2
3/4	2,152.68	3/4	1,814.36	3/4	1,470.17	3/4	1,126.38	3/4	795.99	3/4	451.94	3/4	107.76	3/4	3/4		3/4		3/4
7	2,145.51	7	1,807.20	7	1,463.00	7	1,119.43	7	788.89	7	444.77	7	100.60	7	7		7		7
1/4	2,138.34	1/4	1,800.03	1/4	1,455.83	1/4	1,112.47	1/4	781.80	1/4	437.60	1/4	93.44	1/4	1/4		1/4		1/4
1/2	2,131.17	1/2	1,792.86	1/2	1,448.65	1/2	1,105.58	1/2	774.63	1/2	430.43	1/2	86.29	1/2	1/2		1/2		1/2
3/4	2,124.00	3/4	1,785.69	3/4	1,441.48	3/4	1,098.69	3/4	767.46	3/4	423.26	3/4	79.15	3/4	3/4		3/4		3/4
8	2,116.83	8	1,778.52	8	1,434.31	8	1,091.80	8	760.28	8	416.09	8	72.01	8	8		8		8
1/4	2,109.66	1/4	1,771.35	1/4	1,427.14	1/4	1,084.92	1/4	753.11	1/4	408.92	1/4	64.87	1/4	1/4		1/4		1/4
1/2	2,102.50	1/2	1,764.18	1/2	1,419.97	1/2	1,078.04	1/2	745.94	1/2	401.74	1/2	58.38	1/2	1/2		1/2		1/2
3/4	2,095.33	3/4	1,757.01	3/4	1,412.80	3/4	1,071.16	3/4	738.77	3/4	394.57	3/4	51.89	3/4	3/4		3/4		3/4
9	2,088.16	9	1,749.84	9	1,405.63	9	1,064.28	9	731.60	9	387.40	9	45.40	9	9		9		9
1/4	2,080.99	1/4	1,742.67	1/4	1,398.46	1/4	1,057.41	1/4	724.43	1/4	380.23	1/4	38.91	1/4	1/4		1/4		1/4
1/2	2,073.82	1/2	1,735.49	1/2	1,391.29	1/2	1,050.53	1/2	717.26	1/2	373.06	1/2	33.98	1/2	1/2		1/2		1/2
3/4	2,066.65	3/4	1,728.32	3/4	1,384.12	3/4	1,043.66	3/4	710.09	3/4	365.89	3/4	29.05	3/4	3/4		3/4		3/4
10	2,059.48	10	1,721.15	10	1,376.94	10	1,036.79	10	702.92	10	358.72	10	24.12	10	10		10		10
1/4	2,052.31	1/4	1,713.98	1/4	1,369.77	1/4	1,029.91	1/4	695.75	1/4	351.55	1/4	19.19	1/4	1/4		1/4		1/4
1/2	2,045.14	1/2	1,706.81	1/2	1,362.60	1/2	1,023.04	1/2	688.58	1/2	344.38	1/2		1/2	1/2		1/2		1/2
3/4	2,037.97	3/4	1,699.64	3/4	1,355.43	3/4	1,016.17	3/4	681.41	3/4	337.21	3/4		3/4	3/4		3/4		3/4
11	2,030.80	11	1,692.47	11	1,348.26	11	1,009.31	11	674.24	11	330.04	11		11	11		11		11
1/4	2,023.63	1/4	1,685.30	1/4	1,341.09	1/4	1,002.44	1/4	667.06	1/4	322.87	1/4		1/4	1/4		1/4		1/4
1/2	2,016.46	1/2	1,678.13	1/2	1,333.92	1/2	995.57	1/2	659.89	1/2	315.70	1/2		1/2	1/2		1/2		1/2
3/4	2,009.29	3/4	1,670.96	3/4	1,326.75	3/4	988.70	3/4	652.72	3/4	308.52	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/2014 PMA
RECALCULATED: 09/16/2019
NAME CHANGE: 09/16/2019

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 27735"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 332"

GAUGE HEIGHT 16'-10 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	4,721.27	0	4,412.51	0	4,085.97	0	3,743.43	0	3,399.48	0	3,055.53	0	2,711.50
1/4		1/4		1/4		1/4	4,714.16	1/4	4,405.90	1/4	4,078.96	1/4	3,736.26	1/4	3,392.31	1/4	3,048.37	1/4	2,704.33
1/2		1/2		1/2		1/2	4,707.05	1/2	4,399.30	1/2	4,071.94	1/2	3,729.10	1/2	3,385.15	1/2	3,041.20	1/2	2,697.16
3/4		3/4		3/4		3/4	4,700.62	3/4	4,392.67	3/4	4,064.90	3/4	3,721.93	3/4	3,377.98	3/4	3,034.03	3/4	2,689.99
1		1		1		1	4,694.18	1	4,386.04	1	4,057.85	1	3,714.77	1	3,370.82	1	3,026.87	1	2,682.82
1/4		1/4		1/4		1/4	4,687.75	1/4	4,379.40	1/4	4,050.80	1/4	3,707.60	1/4	3,363.65	1/4	3,019.70	1/4	2,675.65
1/2		1/2		1/2		1/2	4,681.32	1/2	4,372.77	1/2	4,043.75	1/2	3,700.44	1/2	3,356.49	1/2	3,012.54	1/2	2,668.48
3/4		3/4		3/4		3/4	4,675.08	3/4	4,366.10	3/4	4,036.67	3/4	3,693.27	3/4	3,349.32	3/4	3,005.37	3/4	2,661.31
2		2		2		2	4,668.85	2	4,359.44	2	4,029.58	2	3,686.10	2	3,342.16	2	2,998.21	2	2,654.14
1/4		1/4		1/4		1/4	4,662.62	1/4	4,352.77	1/4	4,022.50	1/4	3,678.94	1/4	3,334.99	1/4	2,991.04	1/4	2,646.97
1/2		1/2		1/2		1/2	4,656.38	1/2	4,346.11	1/2	4,015.42	1/2	3,671.77	1/2	3,327.82	1/2	2,983.88	1/2	2,639.81
3/4		3/4		3/4		3/4	4,650.12	3/4	4,339.41	3/4	4,008.30	3/4	3,664.61	3/4	3,320.66	3/4	2,976.71	3/4	2,632.64
3		3		3		3	4,643.86	3	4,332.71	3	4,001.19	3	3,657.44	3	3,313.49	3	2,969.54	3	2,625.47
1/4		1/4		1/4		1/4	4,637.60	1/4	4,326.02	1/4	3,994.08	1/4	3,650.28	1/4	3,306.33	1/4	2,962.38	1/4	2,618.30
1/2		1/2		1/2		1/2	4,631.33	1/2	4,319.32	1/2	3,986.96	1/2	3,643.11	1/2	3,299.16	1/2	2,955.21	1/2	2,611.13
3/4		3/4		3/4		3/4	4,625.03	3/4	4,312.59	3/4	3,979.82	3/4	3,635.94	3/4	3,292.00	3/4	2,948.05	3/4	2,603.96
4		4		4		4	4,618.74	4	4,305.86	4	3,972.67	4	3,628.78	4	3,284.83	4	2,940.88	4	2,596.79
1/4		1/4		1/4		1/4	4,612.44	1/4	4,299.14	1/4	3,965.52	1/4	3,621.61	1/4	3,277.66	1/4	2,933.72	1/4	2,589.62
1/2		1/2		1/2		1/2	4,606.14	1/2	4,292.41	1/2	3,958.38	1/2	3,614.45	1/2	3,270.50	1/2	2,926.55	1/2	2,582.45
3/4		3/4		3/4		3/4	4,599.81	3/4	4,285.65	3/4	3,951.22	3/4	3,607.28	3/4	3,263.33	3/4	2,919.38	3/4	2,575.28
5		5		5		5	4,593.47	5	4,278.89	5	3,944.06	5	3,600.12	5	3,256.17	5	2,912.22	5	2,568.11
1/4		1/4		1/4		1/4	4,587.14	1/4	4,272.13	1/4	3,936.90	1/4	3,592.95	1/4	3,249.00	1/4	2,905.05	1/4	2,560.94
1/2		1/2		1/2		1/2	4,580.81	1/2	4,265.37	1/2	3,929.73	1/2	3,585.79	1/2	3,241.84	1/2	2,897.89	1/2	2,553.77
3/4		3/4		3/4		3/4	4,574.44	3/4	4,258.58	3/4	3,922.57	3/4	3,578.62	3/4	3,234.67	3/4	2,890.72	3/4	2,546.60
6		6		6		6	4,568.08	6	4,251.78	6	3,915.40	6	3,571.45	6	3,227.51	6	2,883.56	6	2,539.43
1/4		1/4		1/4		1/4	4,561.72	1/4	4,244.99	1/4	3,908.24	1/4	3,564.29	1/4	3,220.34	1/4	2,876.39	1/4	2,532.26
1/2		1/2		1/2		1/2	4,555.35	1/2	4,238.20	1/2	3,901.07	1/2	3,557.12	1/2	3,213.17	1/2	2,869.23	1/2	2,525.09
3/4		3/4		3/4		3/4	4,548.96	3/4	4,231.37	3/4	3,893.91	3/4	3,549.96	3/4	3,206.01	3/4	2,862.06	3/4	2,517.92
7		7		7		7	4,542.56	7	4,224.54	7	3,886.74	7	3,542.79	7	3,198.84	7	2,854.89	7	2,510.75
1/4		1/4		1/4		1/4	4,536.16	1/4	4,217.71	1/4	3,879.58	1/4	3,535.63	1/4	3,191.68	1/4	2,847.72	1/4	2,503.58
1/2		1/2		1/2	4,844.20	1/2	4,529.77	1/2	4,210.88	1/2	3,872.41	1/2	3,528.46	1/2	3,184.51	1/2	2,840.55	1/2	2,496.41
3/4		3/4		3/4	4,838.17	3/4	4,523.34	3/4	4,204.00	3/4	3,865.24	3/4	3,521.30	3/4	3,177.35	3/4	2,833.38	3/4	2,489.24
8		8		8	4,832.14	8	4,516.91	8	4,197.12	8	3,858.08	8	3,514.13	8	3,170.18	8	2,826.21	8	2,482.07
1/4		1/4		1/4	4,826.10	1/4	4,510.49	1/4	4,190.24	1/4	3,850.91	1/4	3,506.96	1/4	3,163.02	1/4	2,819.05	1/4	2,474.90
1/2		1/2		1/2	4,820.07	1/2	4,504.06	1/2	4,183.37	1/2	3,843.75	1/2	3,499.80	1/2	3,155.85	1/2	2,811.88	1/2	2,467.73
3/4		3/4		3/4	4,813.14	3/4	4,497.57	3/4	4,176.45	3/4	3,836.58	3/4	3,492.63	3/4	3,148.68	3/4	2,804.71	3/4	2,460.57
9		9		9	4,806.21	9	4,491.08	9	4,169.53	9	3,829.42	9	3,485.47	9	3,141.52	9	2,797.54	9	2,453.40
1/4		1/4		1/4	4,799.28	1/4	4,484.59	1/4	4,162.62	1/4	3,822.25	1/4	3,478.30	1/4	3,134.35	1/4	2,790.37	1/4	2,446.23
1/2		1/2		1/2	4,792.35	1/2	4,478.10	1/2	4,155.70	1/2	3,815.08	1/2	3,471.14	1/2	3,127.19	1/2	2,783.20	1/2	2,439.06
3/4		3/4		3/4	4,785.24	3/4	4,471.57	3/4	4,148.75	3/4	3,807.92	3/4	3,463.97	3/4	3,120.02	3/4	2,776.03	3/4	2,431.89
10		10		10	4,778.13	10	4,465.04	10	4,141.80	10	3,800.75	10	3,456.80	10	3,112.86	10	2,768.86	10	2,424.72
1/4		1/4		1/4	4,771.03	1/4	4,458.51	1/4	4,134.86	1/4	3,793.59	1/4	3,449.64	1/4	3,105.69	1/4	2,761.69	1/4	2,417.55
1/2		1/2		1/2	4,763.92	1/2	4,451.98	1/2	4,127.91	1/2	3,786.42	1/2	3,442.47	1/2	3,098.52	1/2	2,754.52	1/2	2,410.38
3/4		3/4		3/4	4,756.81	3/4	4,445.41	3/4	4,120.93	3/4	3,779.26	3/4	3,435.31	3/4	3,091.36	3/4	2,747.35	3/4	2,403.21
11		11		11	4,749.70	11	4,438.85	11	4,113.95	11	3,772.09	11	3,428.14	11	3,084.19	11	2,740.18	11	2,396.04
1/4		1/4		1/4	4,742.59	1/4	4,432.28	1/4	4,106.97	1/4	3,764.93	1/4	3,420.98	1/4	3,077.03	1/4	2,733.01	1/4	2,388.87
1/2		1/2		1/2	4,735.49	1/2	4,425.71	1/2	4,099.99	1/2	3,757.76	1/2	3,413.81	1/2	3,069.86	1/2	2,725.84	1/2	2,381.70
3/4		3/4		3/4	4,728.38	3/4	4,419.11	3/4	4,092.98	3/4	3,750.59	3/4	3,406.65	3/4	3,062.70	3/4	2,718.67	3/4	2,374.53

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" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27735"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 332"

GAUGE HEIGHT 16'-10 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,367.36	0	2,023.22	0	1,684.88	0	1,340.67	0	996.57	0	652.72	0	308.52	0		0		0	
1/4	2,360.19	1/4	2,016.05	1/4	1,677.71	1/4	1,333.50	1/4	989.42	1/4	645.55	1/4	301.35	1/4	1/4		1/4		1/4
1/2	2,353.02	1/2	2,008.88	1/2	1,670.54	1/2	1,326.33	1/2	982.26	1/2	638.38	1/2	294.18	1/2	1/2		1/2		1/2
3/4	2,345.85	3/4	2,001.71	3/4	1,663.37	3/4	1,319.16	3/4	975.10	3/4	631.21	3/4	287.01	3/4	3/4		3/4		3/4
1	2,338.68	1	1,994.54	1	1,656.20	1	1,311.99	1	967.94	1	624.04	1	279.84	1	1		1		1
1/4	2,331.51	1/4	1,987.37	1/4	1,649.03	1/4	1,304.82	1/4	960.78	1/4	616.86	1/4	272.67	1/4	1/4		1/4		1/4
1/2	2,324.34	1/2	1,980.20	1/2	1,641.85	1/2	1,297.65	1/2	953.63	1/2	609.69	1/2	265.50	1/2	1/2		1/2		1/2
3/4	2,317.17	3/4	1,973.54	3/4	1,634.68	3/4	1,290.48	3/4	946.47	3/4	602.52	3/4	258.32	3/4	3/4		3/4		3/4
2	2,310.00	2	1,966.88	2	1,627.51	2	1,283.30	2	939.31	2	595.35	2	251.15	2	2		2		2
1/4	2,302.83	1/4	1,960.22	1/4	1,620.34	1/4	1,276.13	1/4	932.15	1/4	588.18	1/4	243.98	1/4	1/4		1/4		1/4
1/2	2,295.66	1/2	1,953.56	1/2	1,613.17	1/2	1,268.96	1/2	924.99	1/2	581.01	1/2	236.81	1/2	1/2		1/2		1/2
3/4	2,288.49	3/4	1,947.07	3/4	1,606.00	3/4	1,261.79	3/4	917.83	3/4	573.84	3/4	229.64	3/4	3/4		3/4		3/4
3	2,281.33	3	1,940.57	3	1,598.83	3	1,254.62	3	910.68	3	566.67	3	222.47	3	3		3		3
1/4	2,274.16	1/4	1,934.08	1/4	1,591.66	1/4	1,247.45	1/4	903.52	1/4	559.50	1/4	215.30	1/4	1/4		1/4		1/4
1/2	2,266.99	1/2	1,927.59	1/2	1,584.49	1/2	1,240.28	1/2	896.36	1/2	552.33	1/2	208.13	1/2	1/2		1/2		1/2
3/4	2,259.82	3/4	1,920.62	3/4	1,577.32	3/4	1,233.11	3/4	889.20	3/4	545.16	3/4	200.96	3/4	3/4		3/4		3/4
4	2,252.65	4	1,913.64	4	1,570.14	4	1,225.94	4	882.04	4	537.99	4	193.79	4	4		4		4
1/4	2,245.48	1/4	1,906.67	1/4	1,562.97	1/4	1,218.77	1/4	874.89	1/4	530.81	1/4	186.62	1/4	1/4		1/4		1/4
1/2	2,238.31	1/2	1,899.69	1/2	1,555.80	1/2	1,211.59	1/2	867.73	1/2	523.64	1/2	179.45	1/2	1/2		1/2		1/2
3/4	2,231.14	3/4	1,892.56	3/4	1,548.63	3/4	1,204.42	3/4	860.57	3/4	516.47	3/4	172.27	3/4	3/4		3/4		3/4
5	2,223.97	5	1,885.42	5	1,541.46	5	1,197.25	5	853.41	5	509.30	5	165.10	5	5		5		5
1/4	2,216.80	1/4	1,878.29	1/4	1,534.29	1/4	1,190.08	1/4	846.25	1/4	502.13	1/4	157.93	1/4	1/4		1/4		1/4
1/2	2,209.63	1/2	1,871.15	1/2	1,527.12	1/2	1,182.91	1/2	839.10	1/2	494.96	1/2	150.76	1/2	1/2		1/2		1/2
3/4	2,202.46	3/4	1,864.02	3/4	1,519.95	3/4	1,175.74	3/4	831.94	3/4	487.79	3/4	143.59	3/4	3/4		3/4		3/4
6	2,195.29	6	1,856.88	6	1,512.78	6	1,168.57	6	824.78	6	480.62	6	136.42	6	6		6		6
1/4	2,188.12	1/4	1,849.74	1/4	1,505.61	1/4	1,161.40	1/4	817.62	1/4	473.45	1/4	129.25	1/4	1/4		1/4		1/4
1/2	2,180.95	1/2	1,842.61	1/2	1,498.43	1/2	1,154.23	1/2	810.46	1/2	466.28	1/2	122.08	1/2	1/2		1/2		1/2
3/4	2,173.78	3/4	1,835.45	3/4	1,491.26	3/4	1,147.06	3/4	803.30	3/4	459.11	3/4	114.92	3/4	3/4		3/4		3/4
7	2,166.61	7	1,828.28	7	1,484.09	7	1,139.88	7	796.13	7	451.94	7	107.76	7	7		7		7
1/4	2,159.44	1/4	1,821.12	1/4	1,476.92	1/4	1,132.71	1/4	788.96	1/4	444.77	1/4	100.59	1/4	1/4		1/4		1/4
1/2	2,152.27	1/2	1,813.96	1/2	1,469.75	1/2	1,125.54	1/2	781.79	1/2	437.59	1/2	93.43	1/2	1/2		1/2		1/2
3/4	2,145.10	3/4	1,806.79	3/4	1,462.58	3/4	1,118.37	3/4	774.62	3/4	430.42	3/4	86.29	3/4	3/4		3/4		3/4
8	2,137.93	8	1,799.62	8	1,455.41	8	1,111.20	8	767.45	8	423.25	8	79.15	8	8		8		8
1/4	2,130.76	1/4	1,792.45	1/4	1,448.24	1/4	1,104.03	1/4	760.28	1/4	416.08	1/4	72.01	1/4	1/4		1/4		1/4
1/2	2,123.59	1/2	1,785.27	1/2	1,441.07	1/2	1,096.86	1/2	753.11	1/2	408.91	1/2	64.86	1/2	1/2		1/2		1/2
3/4	2,116.42	3/4	1,778.10	3/4	1,433.90	3/4	1,089.69	3/4	745.94	3/4	401.74	3/4	58.37	3/4	3/4		3/4		3/4
9	2,109.25	9	1,770.93	9	1,426.72	9	1,082.52	9	738.77	9	394.57	9	51.89	9	9		9		9
1/4	2,102.09	1/4	1,763.76	1/4	1,419.55	1/4	1,075.36	1/4	731.60	1/4	387.40	1/4	45.40	1/4	1/4		1/4		1/4
1/2	2,094.92	1/2	1,756.59	1/2	1,412.38	1/2	1,068.19	1/2	724.43	1/2	380.23	1/2	38.91	1/2	1/2		1/2		1/2
3/4	2,087.75	3/4	1,749.42	3/4	1,405.21	3/4	1,061.03	3/4	717.26	3/4	373.06	3/4	33.98	3/4	3/4		3/4		3/4
10	2,080.58	10	1,742.25	10	1,398.04	10	1,053.86	10	710.08	10	365.89	10	29.05	10	10		10		10
1/4	2,073.41	1/4	1,735.08	1/4	1,390.87	1/4	1,046.69	1/4	702.91	1/4	358.72	1/4	24.12	1/4	1/4		1/4		1/4
1/2	2,066.24	1/2	1,727.91	1/2	1,383.70	1/2	1,039.53	1/2	695.74	1/2	351.54	1/2	19.19	1/2	1/2		1/2		1/2
3/4	2,059.07	3/4	1,720.74	3/4	1,376.53	3/4	1,032.37	3/4	688.57	3/4	344.37	3/4		3/4	3/4		3/4		3/4
11	2,051.90	11	1,713.56	11	1,369.36	11	1,025.21	11	681.40	11	337.20	11		11	11		11		11
1/4	2,044.73	1/4	1,706.39	1/4	1,362.19	1/4	1,018.05	1/4	674.23	1/4	330.03	1/4		1/4	1/4		1/4		1/4
1/2	2,037.56	1/2	1,699.22	1/2	1,355.01	1/2	1,010.89	1/2	667.06	1/2	322.86	1/2		1/2	1/2		1/2		1/2
3/4	2,030.39	3/4	1,692.05	3/4	1,347.84	3/4	1,003.73	3/4	659.89	3/4	315.69	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/2014 PMA
RECALCULATED: 09/16/2019
NAME CHANGE: 09/16/2019

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 27735"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 332"

GAUGE HEIGHT 16'-09"

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	4,327.69	0	4,152.69	0	3,965.88	0	3,770.89	0	3,530.22	0	3,167.78	0	2,804.67
1/4		1/4		1/4		1/4	4,324.15	1/4	4,148.91	1/4	3,961.86	1/4	3,766.82	1/4	3,522.68	1/4	3,160.22	1/4	2,797.10
1/2		1/2		1/2		1/2	4,320.62	1/2	4,145.12	1/2	3,957.83	1/2	3,762.75	1/2	3,515.14	1/2	3,152.66	1/2	2,789.54
3/4		3/4		3/4		3/4	4,317.09	3/4	4,141.34	3/4	3,953.81	3/4	3,758.68	3/4	3,507.60	3/4	3,145.09	3/4	2,781.97
1		1		1		1	4,313.55	1	4,137.56	1	3,949.79	1	3,754.61	1	3,500.05	1	3,137.53	1	2,774.40
1/4		1/4		1/4		1/4	4,310.00	1/4	4,133.76	1/4	3,945.75	1/4	3,750.55	1/4	3,492.51	1/4	3,129.97	1/4	2,766.84
1/2		1/2		1/2		1/2	4,306.45	1/2	4,129.95	1/2	3,941.71	1/2	3,746.48	1/2	3,484.97	1/2	3,122.40	1/2	2,759.27
3/4		3/4		3/4		3/4	4,302.90	3/4	4,126.15	3/4	3,937.67	3/4	3,742.41	3/4	3,477.43	3/4	3,114.84	3/4	2,751.71
2		2		2		2	4,299.35	2	4,122.35	2	3,933.63	2	3,738.34	2	3,469.88	2	3,107.28	2	2,744.14
1/4		1/4		1/4		1/4	4,295.78	1/4	4,118.53	1/4	3,929.57	1/4	3,734.27	1/4	3,462.34	1/4	3,099.71	1/4	2,736.57
1/2		1/2		1/2		1/2	4,292.21	1/2	4,114.71	1/2	3,925.51	1/2	3,730.20	1/2	3,454.80	1/2	3,092.15	1/2	2,729.01
3/4		3/4		3/4		3/4	4,288.64	3/4	4,110.89	3/4	3,921.45	3/4	3,726.13	3/4	3,447.26	3/4	3,084.59	3/4	2,721.44
3		3		3		3	4,285.07	3	4,107.08	3	3,917.39	3	3,722.06	3	3,439.71	3	3,077.02	3	2,713.88
1/4		1/4		1/4		1/4	4,281.48	1/4	4,103.24	1/4	3,913.33	1/4	3,717.99	1/4	3,432.17	1/4	3,069.46	1/4	2,706.31
1/2		1/2		1/2		1/2	4,277.89	1/2	4,099.40	1/2	3,909.26	1/2	3,713.92	1/2	3,424.63	1/2	3,061.90	1/2	2,698.74
3/4		3/4		3/4		3/4	4,274.30	3/4	4,095.56	3/4	3,905.19	3/4	3,709.85	3/4	3,417.08	3/4	3,054.33	3/4	2,691.18
4		4		4		4	4,270.71	4	4,091.73	4	3,901.12	4	3,705.78	4	3,409.54	4	3,046.77	4	2,683.61
1/4		1/4		1/4		1/4	4,267.11	1/4	4,087.87	1/4	3,897.05	1/4	3,701.71	1/4	3,402.00	1/4	3,039.21	1/4	2,676.05
1/2		1/2		1/2		1/2	4,263.50	1/2	4,084.02	1/2	3,892.98	1/2	3,697.64	1/2	3,394.46	1/2	3,031.64	1/2	2,668.48
3/4		3/4		3/4		3/4	4,259.89	3/4	4,080.16	3/4	3,888.91	3/4	3,693.57	3/4	3,386.91	3/4	3,024.08	3/4	2,660.91
5		5		5		5	4,256.28	5	4,076.31	5	3,884.85	5	3,689.50	5	3,379.37	5	3,016.51	5	2,653.35
1/4		1/4		1/4		1/4	4,252.66	1/4	4,072.43	1/4	3,880.78	1/4	3,685.43	1/4	3,371.83	1/4	3,008.95	1/4	2,645.78
1/2		1/2		1/2		1/2	4,249.03	1/2	4,068.55	1/2	3,876.71	1/2	3,681.36	1/2	3,364.29	1/2	3,001.39	1/2	2,638.20
3/4		3/4		3/4		3/4	4,245.41	3/4	4,064.68	3/4	3,872.64	3/4	3,677.29	3/4	3,356.74	3/4	2,993.82	3/4	2,630.63
6		6		6	4,417.59	6	4,241.78	6	4,060.80	6	3,868.57	6	3,673.22	6	3,349.20	6	2,986.26	6	2,623.06
1/4		1/4		1/4	4,414.70	1/4	4,238.14	1/4	4,056.89	1/4	3,864.50	1/4	3,669.15	1/4	3,341.66	1/4	2,978.69	1/4	2,615.49
1/2		1/2		1/2	4,411.80	1/2	4,234.49	1/2	4,052.99	1/2	3,860.43	1/2	3,665.08	1/2	3,334.11	1/2	2,971.12	1/2	2,607.91
3/4		3/4		3/4	4,408.91	3/4	4,230.85	3/4	4,049.08	3/4	3,856.36	3/4	3,661.01	3/4	3,326.57	3/4	2,963.56	3/4	2,600.34
7		7		7	4,406.02	7	4,227.21	7	4,045.17	7	3,852.29	7	3,656.94	7	3,319.03	7	2,955.99	7	2,592.77
1/4		1/4		1/4	4,402.17	1/4	4,223.53	1/4	4,041.24	1/4	3,848.22	1/4	3,652.87	1/4	3,311.47	1/4	2,948.42	1/4	2,585.19
1/2		1/2		1/2	4,398.33	1/2	4,219.84	1/2	4,037.32	1/2	3,844.15	1/2	3,648.80	1/2	3,303.91	1/2	2,940.86	1/2	2,577.62
3/4		3/4		3/4	4,394.49	3/4	4,216.16	3/4	4,033.39	3/4	3,840.08	3/4	3,644.73	3/4	3,296.36	3/4	2,933.29	3/4	2,570.05
8		8		8	4,390.65	8	4,212.48	8	4,029.46	8	3,836.01	8	3,640.66	8	3,288.80	8	2,925.73	8	2,562.47
1/4		1/4		1/4	4,386.62	1/4	4,208.77	1/4	4,025.51	1/4	3,831.94	1/4	3,635.28	1/4	3,281.23	1/4	2,918.16	1/4	2,554.90
1/2		1/2		1/2	4,382.58	1/2	4,205.07	1/2	4,021.57	1/2	3,827.87	1/2	3,629.89	1/2	3,273.67	1/2	2,910.59	1/2	2,547.33
3/4		3/4		3/4	4,378.55	3/4	4,201.36	3/4	4,017.62	3/4	3,823.80	3/4	3,624.50	3/4	3,266.11	3/4	2,903.03	3/4	2,539.75
9		9		9	4,374.52	9	4,197.65	9	4,013.68	9	3,819.73	9	3,619.11	9	3,258.54	9	2,895.46	9	2,532.18
1/4		1/4		1/4	4,370.49	1/4	4,193.92	1/4	4,009.71	1/4	3,815.66	1/4	3,611.99	1/4	3,250.98	1/4	2,887.90	1/4	2,524.64
1/2		1/2		1/2	4,366.46	1/2	4,190.20	1/2	4,005.75	1/2	3,811.59	1/2	3,604.87	1/2	3,243.42	1/2	2,880.33	1/2	2,517.09
3/4		3/4		3/4	4,362.43	3/4	4,186.47	3/4	4,001.78	3/4	3,807.52	3/4	3,597.75	3/4	3,235.85	3/4	2,872.76	3/4	2,509.55
10		10		10	4,358.40	10	4,182.74	10	3,997.82	10	3,803.45	10	3,590.62	10	3,228.29	10	2,865.20	10	2,502.00
1/4		1/4		1/4	4,354.37	1/4	4,178.99	1/4	3,993.84	1/4	3,799.38	1/4	3,583.07	1/4	3,220.73	1/4	2,857.63	1/4	2,494.47
1/2		1/2		1/2	4,350.34	1/2	4,175.25	1/2	3,989.86	1/2	3,795.31	1/2	3,575.51	1/2	3,213.16	1/2	2,850.07	1/2	2,486.93
3/4		3/4		3/4	4,346.31	3/4	4,171.50	3/4	3,985.87	3/4	3,791.24	3/4	3,567.96	3/4	3,205.60	3/4	2,842.50	3/4	2,479.40
11		11		11	4,342.28	11	4,167.75	11	3,981.89	11	3,787.17	11	3,560.41	11	3,198.04	11	2,834.93	11	2,471.86
1/4		1/4		1/4	4,338.63	1/4	4,163.99	1/4	3,977.89	1/4	3,783.10	1/4	3,552.86	1/4	3,190.47	1/4	2,827.37	1/4	2,464.33
1/2		1/2		1/2	4,334.98	1/2	4,160.22	1/2	3,973.89	1/2	3,779.03	1/2	3,545.32	1/2	3,182.91	1/2	2,819.80	1/2	2,456.79
3/4		3/4		3/4	4,331.33	3/4	4,156.45	3/4	3,969.88	3/4	3,774.96	3/4	3,537.77	3/4	3,175.35	3/4	2,812.23	3/4	2,449.26

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 27735"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 332"

GAUGE HEIGHT 16'-09"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,441.72	0	2,080.70	0	1,724.61	0	1,361.02	0	1,003.41	0	644.52	0	280.76	0		0		0	
1/4	2,434.19	1/4	2,073.73	1/4	1,717.04	1/4	1,353.44	1/4	996.06	1/4	636.94	1/4	273.18	1/4	1/4	1/4		1/4	
1/2	2,426.65	1/2	2,066.76	1/2	1,709.46	1/2	1,345.87	1/2	988.72	1/2	629.36	1/2	265.61	1/2	1/2	1/2		1/2	
3/4	2,419.12	3/4	2,059.79	3/4	1,701.89	3/4	1,338.29	3/4	981.37	3/4	621.78	3/4	258.03	3/4	3/4	3/4		3/4	
1	2,411.58	1	2,052.81	1	1,694.31	1	1,330.72	1	974.02	1	614.20	1	250.45	1	1	1		1	
1/4	2,404.05	1/4	2,046.02	1/4	1,686.74	1/4	1,323.14	1/4	966.68	1/4	606.63	1/4	242.87	1/4	1/4	1/4		1/4	
1/2	2,396.51	1/2	2,039.23	1/2	1,679.16	1/2	1,315.57	1/2	959.33	1/2	599.05	1/2	235.29	1/2	1/2	1/2		1/2	
3/4	2,388.98	3/4	2,032.44	3/4	1,671.59	3/4	1,307.99	3/4	951.99	3/4	591.47	3/4	227.72	3/4	3/4	3/4		3/4	
2	2,381.44	2	2,025.64	2	1,664.01	2	1,300.42	2	944.64	2	583.89	2	220.14	2	2	2		2	
1/4	2,373.91	1/4	2,018.34	1/4	1,656.44	1/4	1,292.84	1/4	937.30	1/4	576.31	1/4	212.56	1/4	1/4	1/4		1/4	
1/2	2,366.37	1/2	2,011.03	1/2	1,648.86	1/2	1,285.27	1/2	929.95	1/2	568.73	1/2	204.98	1/2	1/2	1/2		1/2	
3/4	2,358.84	3/4	2,003.72	3/4	1,641.29	3/4	1,277.69	3/4	922.61	3/4	561.15	3/4	197.40	3/4	3/4	3/4		3/4	
3	2,351.30	3	1,996.42	3	1,633.71	3	1,270.12	3	915.26	3	553.57	3	189.82	3	3	3		3	
1/4	2,343.77	1/4	1,988.94	1/4	1,626.14	1/4	1,262.54	1/4	907.92	1/4	545.99	1/4	182.24	1/4	1/4	1/4		1/4	
1/2	2,336.23	1/2	1,981.47	1/2	1,618.56	1/2	1,254.97	1/2	900.57	1/2	538.41	1/2	174.66	1/2	1/2	1/2		1/2	
3/4	2,328.70	3/4	1,973.99	3/4	1,610.99	3/4	1,247.39	3/4	893.22	3/4	530.83	3/4	167.08	3/4	3/4	3/4		3/4	
4	2,321.16	4	1,966.51	4	1,603.41	4	1,239.82	4	885.88	4	523.26	4	159.50	4	4	4		4	
1/4	2,313.63	1/4	1,959.04	1/4	1,595.84	1/4	1,232.24	1/4	878.53	1/4	515.68	1/4	151.92	1/4	1/4	1/4		1/4	
1/2	2,306.09	1/2	1,951.56	1/2	1,588.26	1/2	1,224.67	1/2	871.19	1/2	508.10	1/2	144.34	1/2	1/2	1/2		1/2	
3/4	2,298.56	3/4	1,944.08	3/4	1,580.69	3/4	1,217.09	3/4	863.84	3/4	500.52	3/4	136.76	3/4	3/4	3/4		3/4	
5	2,291.02	5	1,936.61	5	1,573.11	5	1,209.52	5	856.50	5	492.94	5	129.18	5	5	5		5	
1/4	2,283.51	1/4	1,929.06	1/4	1,565.54	1/4	1,202.10	1/4	848.98	1/4	485.36	1/4	121.61	1/4	1/4	1/4		1/4	
1/2	2,275.99	1/2	1,921.51	1/2	1,557.97	1/2	1,194.68	1/2	841.46	1/2	477.78	1/2	114.03	1/2	1/2	1/2		1/2	
3/4	2,268.47	3/4	1,913.96	3/4	1,550.39	3/4	1,187.27	3/4	833.94	3/4	470.21	3/4	106.46	3/4	3/4	3/4		3/4	
6	2,260.96	6	1,906.41	6	1,542.82	6	1,179.85	6	826.42	6	462.63	6	98.88	6	6	6		6	
1/4	2,253.45	1/4	1,898.84	1/4	1,535.24	1/4	1,172.49	1/4	818.84	1/4	455.05	1/4	91.32	1/4	1/4	1/4		1/4	
1/2	2,245.94	1/2	1,891.26	1/2	1,527.67	1/2	1,165.12	1/2	811.26	1/2	447.47	1/2	83.76	1/2	1/2	1/2		1/2	
3/4	2,238.43	3/4	1,883.69	3/4	1,520.09	3/4	1,157.76	3/4	803.68	3/4	439.89	3/4	76.20	3/4	3/4	3/4		3/4	
7	2,230.92	7	1,876.11	7	1,512.52	7	1,150.39	7	796.10	7	432.32	7	68.64	7	7	7		7	
1/4	2,223.41	1/4	1,868.54	1/4	1,504.94	1/4	1,143.04	1/4	788.52	1/4	424.74	1/4	61.77	1/4	1/4	1/4		1/4	
1/2	2,215.89	1/2	1,860.96	1/2	1,497.37	1/2	1,135.68	1/2	780.94	1/2	417.16	1/2	54.91	1/2	1/2	1/2		1/2	
3/4	2,208.38	3/4	1,853.39	3/4	1,489.79	3/4	1,128.32	3/4	773.37	3/4	409.58	3/4	48.04	3/4	3/4	3/4		3/4	
8	2,200.87	8	1,845.81	8	1,482.22	8	1,120.97	8	765.79	8	402.01	8	41.17	8	8	8		8	
1/4	2,193.36	1/4	1,838.24	1/4	1,474.64	1/4	1,113.62	1/4	758.21	1/4	394.43	1/4	35.95	1/4	1/4	1/4		1/4	
1/2	2,185.85	1/2	1,830.66	1/2	1,467.07	1/2	1,106.26	1/2	750.63	1/2	386.85	1/2	30.73	1/2	1/2	1/2		1/2	
3/4	2,178.34	3/4	1,823.09	3/4	1,459.49	3/4	1,098.91	3/4	743.05	3/4	379.27	3/4	25.51	3/4	3/4	3/4		3/4	
9	2,170.83	9	1,815.51	9	1,451.92	9	1,091.56	9	735.47	9	371.69	9	20.29	9	9	9		9	
1/4	2,163.32	1/4	1,807.94	1/4	1,444.34	1/4	1,084.21	1/4	727.89	1/4	364.12	1/4		1/4	1/4	1/4		1/4	
1/2	2,155.81	1/2	1,800.36	1/2	1,436.77	1/2	1,076.86	1/2	720.31	1/2	356.54	1/2		1/2	1/2	1/2		1/2	
3/4	2,148.30	3/4	1,792.79	3/4	1,429.19	3/4	1,069.52	3/4	712.73	3/4	348.96	3/4		3/4	3/4	3/4		3/4	
10	2,140.79	10	1,785.21	10	1,421.62	10	1,062.17	10	705.15	10	341.38	10		10	10	10		10	
1/4	2,133.28	1/4	1,777.64	1/4	1,414.04	1/4	1,054.82	1/4	697.57	1/4	333.81	1/4		1/4	1/4	1/4		1/4	
1/2	2,125.77	1/2	1,770.06	1/2	1,406.47	1/2	1,047.48	1/2	690.00	1/2	326.23	1/2		1/2	1/2	1/2		1/2	
3/4	2,118.26	3/4	1,762.49	3/4	1,398.89	3/4	1,040.13	3/4	682.42	3/4	318.65	3/4		3/4	3/4	3/4		3/4	
11	2,110.75	11	1,754.91	11	1,391.32	11	1,032.79	11	674.84	11	311.07	11		11	11	11		11	
1/4	2,103.24	1/4	1,747.34	1/4	1,383.74	1/4	1,025.44	1/4	667.26	1/4	303.50	1/4		1/4	1/4	1/4		1/4	
1/2	2,095.72	1/2	1,739.76	1/2	1,376.17	1/2	1,018.10	1/2	659.68	1/2	295.92	1/2		1/2	1/2	1/2		1/2	
3/4	2,088.21	3/4	1,732.19	3/4	1,368.59	3/4	1,010.75	3/4	652.10	3/4	288.34	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/2014 PMA
RECALCULATED: 09/16/2019
NAME CHANGE: 09/16/2019

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 27735"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 332"

GAUGE HEIGHT 16'-09 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	4,352.23	0	4,177.53	0	3,991.13	0	3,796.37	0	3,559.23	0	3,196.03	0	2,832.14
1/4		1/4		1/4		1/4	4,348.59	1/4	4,173.77	1/4	3,987.13	1/4	3,792.30	1/4	3,551.67	1/4	3,188.45	1/4	2,824.55
1/2		1/2		1/2		1/2	4,345.06	1/2	4,169.99	1/2	3,983.11	1/2	3,788.24	1/2	3,544.11	1/2	3,180.87	1/2	2,816.97
3/4		3/4		3/4		3/4	4,341.53	3/4	4,166.21	3/4	3,979.09	3/4	3,784.17	3/4	3,536.55	3/4	3,173.29	3/4	2,809.39
1		1		1		1	4,338.00	1	4,162.43	1	3,975.07	1	3,780.10	1	3,528.99	1	3,165.71	1	2,801.81
1/4		1/4		1/4		1/4	4,334.47	1/4	4,158.65	1/4	3,971.05	1/4	3,776.04	1/4	3,521.43	1/4	3,158.13	1/4	2,794.22
1/2		1/2		1/2		1/2	4,330.92	1/2	4,154.86	1/2	3,967.02	1/2	3,771.97	1/2	3,513.87	1/2	3,150.55	1/2	2,786.64
3/4		3/4		3/4		3/4	4,327.38	3/4	4,151.06	3/4	3,962.98	3/4	3,767.90	3/4	3,506.32	3/4	3,142.97	3/4	2,779.06
2		2		2		2	4,323.83	2	4,147.26	2	3,958.94	2	3,763.84	2	3,498.76	2	3,135.39	2	2,771.48
1/4		1/4		1/4		1/4	4,320.29	1/4	4,143.46	1/4	3,954.91	1/4	3,759.77	1/4	3,491.20	1/4	3,127.81	1/4	2,763.90
1/2		1/2		1/2		1/2	4,316.72	1/2	4,139.65	1/2	3,950.85	1/2	3,755.71	1/2	3,483.64	1/2	3,120.23	1/2	2,756.31
3/4		3/4		3/4		3/4	4,313.15	3/4	4,135.83	3/4	3,946.80	3/4	3,751.64	3/4	3,476.08	3/4	3,112.65	3/4	2,748.73
3		3		3		3	4,309.59	3	4,132.02	3	3,942.74	3	3,747.57	3	3,468.52	3	3,105.07	3	2,741.15
1/4		1/4		1/4		1/4	4,306.02	1/4	4,128.20	1/4	3,938.68	1/4	3,743.51	1/4	3,460.96	1/4	3,097.49	1/4	2,733.57
1/2		1/2		1/2		1/2	4,302.43	1/2	4,124.37	1/2	3,934.62	1/2	3,739.44	1/2	3,453.40	1/2	3,089.91	1/2	2,725.98
3/4		3/4		3/4		3/4	4,298.85	3/4	4,120.53	3/4	3,930.55	3/4	3,735.38	3/4	3,445.84	3/4	3,082.33	3/4	2,718.40
4		4		4		4	4,295.26	4	4,116.70	4	3,926.49	4	3,731.31	4	3,438.29	4	3,074.75	4	2,710.82
1/4		1/4		1/4		1/4	4,291.68	1/4	4,112.87	1/4	3,922.42	1/4	3,727.24	1/4	3,430.73	1/4	3,067.17	1/4	2,703.24
1/2		1/2		1/2		1/2	4,288.07	1/2	4,109.02	1/2	3,918.35	1/2	3,723.18	1/2	3,423.17	1/2	3,059.59	1/2	2,695.65
3/4		3/4		3/4		3/4	4,284.47	3/4	4,105.16	3/4	3,914.29	3/4	3,719.11	3/4	3,415.61	3/4	3,052.01	3/4	2,688.07
5		5		5		5	4,280.87	5	4,101.31	5	3,910.22	5	3,715.04	5	3,408.05	5	3,044.44	5	2,680.49
1/4		1/4		1/4		1/4	4,277.26	1/4	4,097.46	1/4	3,906.16	1/4	3,710.98	1/4	3,400.49	1/4	3,036.86	1/4	2,672.91
1/2		1/2		1/2		1/2	4,273.64	1/2	4,093.59	1/2	3,902.09	1/2	3,706.91	1/2	3,392.93	1/2	3,029.27	1/2	2,665.32
3/4		3/4		3/4		3/4	4,270.02	3/4	4,089.71	3/4	3,898.02	3/4	3,702.85	3/4	3,385.37	3/4	3,021.69	3/4	2,657.73
6		6		6		6	4,266.40	6	4,085.84	6	3,893.96	6	3,698.78	6	3,377.81	6	3,014.11	6	2,650.15
1/4		1/4		1/4	4,438.40	1/4	4,262.78	1/4	4,081.97	1/4	3,889.89	1/4	3,694.71	1/4	3,370.26	1/4	3,006.53	1/4	2,642.56
1/2		1/2		1/2	4,435.51	1/2	4,259.14	1/2	4,078.06	1/2	3,885.82	1/2	3,690.65	1/2	3,362.70	1/2	2,998.95	1/2	2,634.97
3/4		3/4		3/4	4,432.62	3/4	4,255.50	3/4	4,074.16	3/4	3,881.76	3/4	3,686.58	3/4	3,355.14	3/4	2,991.36	3/4	2,627.38
7		7		7	4,429.73	7	4,251.86	7	4,070.26	7	3,877.69	7	3,682.51	7	3,347.58	7	2,983.78	7	2,619.79
1/4		1/4		1/4	4,426.85	1/4	4,248.22	1/4	4,066.36	1/4	3,873.63	1/4	3,678.45	1/4	3,340.02	1/4	2,976.20	1/4	2,612.20
1/2		1/2		1/2	4,423.01	1/2	4,244.54	1/2	4,062.43	1/2	3,869.56	1/2	3,674.38	1/2	3,332.45	1/2	2,968.62	1/2	2,604.61
3/4		3/4		3/4	4,419.17	3/4	4,240.86	3/4	4,058.51	3/4	3,865.49	3/4	3,670.32	3/4	3,324.87	3/4	2,961.03	3/4	2,597.02
8		8		8	4,415.33	8	4,237.18	8	4,054.58	8	3,861.43	8	3,666.25	8	3,317.30	8	2,953.45	8	2,589.43
1/4		1/4		1/4	4,411.49	1/4	4,233.50	1/4	4,050.66	1/4	3,857.36	1/4	3,662.18	1/4	3,309.72	1/4	2,945.87	1/4	2,581.84
1/2		1/2		1/2	4,407.47	1/2	4,229.80	1/2	4,046.71	1/2	3,853.30	1/2	3,658.08	1/2	3,302.14	1/2	2,938.29	1/2	2,574.25
3/4		3/4		3/4	4,403.44	3/4	4,226.10	3/4	4,042.77	3/4	3,849.23	3/4	3,651.41	3/4	3,294.56	3/4	2,930.71	3/4	2,566.66
9		9		9	4,399.41	9	4,222.39	9	4,038.83	9	3,845.16	9	3,646.03	9	3,286.98	9	2,923.12	9	2,559.07
1/4		1/4		1/4	4,395.38	1/4	4,218.69	1/4	4,034.89	1/4	3,841.10	1/4	3,640.64	1/4	3,279.40	1/4	2,915.54	1/4	2,551.48
1/2		1/2		1/2	4,391.36	1/2	4,214.97	1/2	4,030.93	1/2	3,837.03	1/2	3,633.52	1/2	3,271.82	1/2	2,907.96	1/2	2,543.90
3/4		3/4		3/4	4,387.33	3/4	4,211.24	3/4	4,026.97	3/4	3,832.96	3/4	3,626.39	3/4	3,264.24	3/4	2,900.38	3/4	2,536.31
10		10		10	4,383.30	10	4,207.52	10	4,023.01	10	3,828.90	10	3,619.27	10	3,256.66	10	2,892.79	10	2,528.72
1/4		1/4		1/4	4,379.27	1/4	4,203.79	1/4	4,019.04	1/4	3,824.83	1/4	3,612.14	1/4	3,249.08	1/4	2,885.21	1/4	2,521.13
1/2		1/2		1/2	4,375.25	1/2	4,200.05	1/2	4,015.07	1/2	3,820.77	1/2	3,604.58	1/2	3,241.50	1/2	2,877.63	1/2	2,513.54
3/4		3/4		3/4	4,371.22	3/4	4,196.31	3/4	4,011.09	3/4	3,816.70	3/4	3,597.02	3/4	3,233.93	3/4	2,870.05	3/4	2,505.95
11		11		11	4,367.19	11	4,192.56	11	4,007.11	11	3,812.63	11	3,589.46	11	3,226.35	11	2,862.47	11	2,498.36
1/4		1/4		1/4	4,363.17	1/4	4,188.82	1/4	4,003.13	1/4	3,808.57	1/4	3,581.90	1/4	3,218.77	1/4	2,854.88	1/4	2,490.77
1/2		1/2		1/2	4,359.52	1/2	4,185.06	1/2	3,999.13	1/2	3,804.50	1/2	3,574.35	1/2	3,211.19	1/2	2,847.30	1/2	2,483.18
3/4		3/4		3/4	4,355.88	3/4	4,181.30	3/4	3,995.13	3/4	3,800.43	3/4	3,566.79	3/4	3,203.61	3/4	2,839.72	3/4	2,475.59

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 27735"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 332"

GAUGE HEIGHT 16'-09 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,460.41	1/4	2,096.11	1/4	1,737.93	1/4	1,373.56	1/4	1,009.42	1/4	645.38	1/4	281.02	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,452.82	1/2	2,089.06	1/2	1,730.33	1/2	1,365.97	1/2	1,001.85	1/2	637.79	1/2	273.43	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,445.23	3/4	2,082.01	3/4	1,722.74	3/4	1,358.38	3/4	994.27	3/4	630.20	3/4	265.84	3/4	3/4	3/4	3/4	3/4	3/4
1	2,437.64	1	2,074.96	1	1,715.15	1	1,350.78	1	986.69	1	622.61	1	258.25	1	1	1	1	1	1
1/4	2,430.05	1/4	2,067.91	1/4	1,707.56	1/4	1,343.19	1/4	979.12	1/4	615.02	1/4	250.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,422.46	1/2	2,061.03	1/2	1,699.97	1/2	1,335.60	1/2	971.54	1/2	607.43	1/2	243.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,414.87	3/4	2,054.16	3/4	1,692.38	3/4	1,328.01	3/4	963.97	3/4	599.84	3/4	235.48	3/4	3/4	3/4	3/4	3/4	3/4
2	2,407.28	2	2,047.29	2	1,684.79	2	1,320.42	2	956.39	2	592.25	2	227.89	2	2	2	2	2	2
1/4	2,399.69	1/4	2,040.42	1/4	1,677.20	1/4	1,312.83	1/4	948.82	1/4	584.66	1/4	220.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,392.10	1/2	2,033.04	1/2	1,669.61	1/2	1,305.24	1/2	941.24	1/2	577.06	1/2	212.71	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,384.51	3/4	2,025.65	3/4	1,662.02	3/4	1,297.65	3/4	933.66	3/4	569.47	3/4	205.12	3/4	3/4	3/4	3/4	3/4	3/4
3	2,376.92	3	2,018.27	3	1,654.42	3	1,290.06	3	926.09	3	561.88	3	197.52	3	3	3	3	3	3
1/4	2,369.33	1/4	2,010.88	1/4	1,646.83	1/4	1,282.47	1/4	918.51	1/4	554.29	1/4	189.93	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,361.74	1/2	2,003.33	1/2	1,639.24	1/2	1,274.87	1/2	910.94	1/2	546.70	1/2	182.34	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,354.16	3/4	1,995.77	3/4	1,631.65	3/4	1,267.28	3/4	903.36	3/4	539.11	3/4	174.75	3/4	3/4	3/4	3/4	3/4	3/4
4	2,346.57	4	1,988.22	4	1,624.06	4	1,259.69	4	895.79	4	531.52	4	167.16	4	4	4	4	4	4
1/4	2,338.98	1/4	1,980.66	1/4	1,616.47	1/4	1,252.10	1/4	888.21	1/4	523.93	1/4	159.57	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,331.39	1/2	1,973.10	1/2	1,608.88	1/2	1,244.51	1/2	880.63	1/2	516.34	1/2	151.98	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,323.80	3/4	1,965.55	3/4	1,601.29	3/4	1,236.92	3/4	873.06	3/4	508.75	3/4	144.39	3/4	3/4	3/4	3/4	3/4	3/4
5	2,316.21	5	1,957.99	5	1,593.70	5	1,229.33	5	865.48	5	501.16	5	136.80	5	5	5	5	5	5
1/4	2,308.62	1/4	1,950.44	1/4	1,586.11	1/4	1,221.74	1/4	857.91	1/4	493.57	1/4	129.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,301.03	1/2	1,942.86	1/2	1,578.51	1/2	1,214.15	1/2	850.32	1/2	485.97	1/2	121.63	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,293.44	3/4	1,935.27	3/4	1,570.92	3/4	1,206.56	3/4	842.73	3/4	478.38	3/4	114.05	3/4	3/4	3/4	3/4	3/4	3/4
6	2,285.85	6	1,927.69	6	1,563.33	6	1,198.96	6	835.15	6	470.79	6	106.46	6	6	6	6	6	6
1/4	2,278.26	1/4	1,920.11	1/4	1,555.74	1/4	1,191.37	1/4	827.56	1/4	463.20	1/4	98.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,270.67	1/2	1,912.52	1/2	1,548.15	1/2	1,183.78	1/2	819.97	1/2	455.61	1/2	91.32	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,263.08	3/4	1,904.93	3/4	1,540.56	3/4	1,176.19	3/4	812.38	3/4	448.02	3/4	83.76	3/4	3/4	3/4	3/4	3/4	3/4
7	2,255.49	7	1,897.34	7	1,532.97	7	1,168.60	7	804.79	7	440.43	7	76.20	7	7	7	7	7	7
1/4	2,247.90	1/4	1,889.75	1/4	1,525.38	1/4	1,161.01	1/4	797.20	1/4	432.84	1/4	68.64	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,240.31	1/2	1,882.15	1/2	1,517.79	1/2	1,153.42	1/2	789.61	1/2	425.25	1/2	61.77	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,232.72	3/4	1,874.56	3/4	1,510.20	3/4	1,145.84	3/4	782.02	3/4	417.66	3/4	54.90	3/4	3/4	3/4	3/4	3/4	3/4
8	2,225.13	8	1,866.97	8	1,502.60	8	1,138.25	8	774.43	8	410.07	8	48.03	8	8	8	8	8	8
1/4	2,217.54	1/4	1,859.38	1/4	1,495.01	1/4	1,130.67	1/4	766.83	1/4	402.48	1/4	41.17	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,209.95	1/2	1,851.79	1/2	1,487.42	1/2	1,123.09	1/2	759.24	1/2	394.89	1/2	35.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,202.36	3/4	1,844.20	3/4	1,479.83	3/4	1,115.50	3/4	751.65	3/4	387.29	3/4	30.73	3/4	3/4	3/4	3/4	3/4	3/4
9	2,194.77	9	1,836.61	9	1,472.24	9	1,107.92	9	744.06	9	379.70	9	25.51	9	9	9	9	9	9
1/4	2,187.18	1/4	1,829.02	1/4	1,464.65	1/4	1,100.34	1/4	736.47	1/4	372.11	1/4	20.29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,179.59	1/2	1,821.43	1/2	1,457.06	1/2	1,092.76	1/2	728.88	1/2	364.52	1/2	14.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,172.00	3/4	1,813.84	3/4	1,449.47	3/4	1,085.18	3/4	721.29	3/4	356.93	3/4	8.00	3/4	3/4	3/4	3/4	3/4	3/4
10	2,164.42	10	1,806.24	10	1,441.88	10	1,077.60	10	713.70	10	349.34	10	2.00	10	10	10	10	10	10
1/4	2,156.83	1/4	1,798.65	1/4	1,434.29	1/4	1,070.03	1/4	706.11	1/4	341.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,149.24	1/2	1,791.06	1/2	1,426.69	1/2	1,062.45	1/2	698.52	1/2	334.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,141.65	3/4	1,783.47	3/4	1,419.10	3/4	1,054.88	3/4	690.93	3/4	326.57	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
11	2,134.06	11	1,775.88	11	1,411.51	11	1,047.30	11	683.34	11	318.98	11	1/4	11	11	11	11	11	11
1/4	2,126.47	1/4	1,768.29	1/4	1,403.92	1/4	1,039.72	1/4	675.74	1/4	311.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,118.88	1/2	1,760.70	1/2	1,396.33	1/2	1,032.15	1/2	668.15	1/2	303.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,111.29	3/4	1,753.11	3/4	1,388.74	3/4	1,024.57	3/4	660.56	3/4	296.20	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/2014 PMA
RECALCULATED: 09/16/2019
NAME CHANGE: 09/16/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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