



BARGE "KIRBY 29081"

ULLAGE TRIM TABLE
FORMERLY "CTCO 251"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 252'-09"

June 5, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29081"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 251"

GAUGE HEIGHT 18'-03"

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	5,015.36	0	4,717.06	0	4,401.39	0	4,071.55	0	3,739.86	0	3,408.17	0	3,076.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,009.30	1/4	4,710.67	1/4	4,394.63	1/4	4,064.64	1/4	3,732.95	1/4	3,401.26	1/4	3,069.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,003.24	1/2	4,704.27	1/2	4,387.86	1/2	4,057.73	1/2	3,726.04	1/2	3,394.35	1/2	3,062.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,997.17	3/4	4,697.88	3/4	4,381.10	3/4	4,050.82	3/4	3,719.13	3/4	3,387.44	3/4	3,055.75		
1	1	1	1	1	1	1	4,991.11	1	4,691.48	1	4,374.33	1	4,043.91	1	3,712.22	1	3,380.53	1	3,048.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,985.02	1/4	4,685.06	1/4	4,367.54	1/4	4,037.00	1/4	3,705.31	1/4	3,373.62	1/4	3,041.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,978.93	1/2	4,678.64	1/2	4,360.75	1/2	4,030.09	1/2	3,698.40	1/2	3,366.71	1/2	3,035.02		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,972.84	3/4	4,672.21	3/4	4,353.95	3/4	4,023.18	3/4	3,691.49	3/4	3,359.80	3/4	3,028.11		
2	2	2	2	2	2	2	4,966.75	2	4,665.79	2	4,347.16	2	4,016.27	2	3,684.58	2	3,352.89	2	3,021.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,960.63	1/4	4,659.33	1/4	4,340.34	1/4	4,009.36	1/4	3,677.67	1/4	3,345.98	1/4	3,014.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,954.51	1/2	4,652.88	1/2	4,333.52	1/2	4,002.45	1/2	3,670.76	1/2	3,339.07	1/2	3,007.38		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,948.39	3/4	4,646.42	3/4	4,326.70	3/4	3,995.54	3/4	3,663.85	3/4	3,332.16	3/4	3,000.47		
3	3	3	3	3	3	3	4,942.27	3	4,639.96	3	4,319.88	3	3,988.63	3	3,656.94	3	3,325.25	3	2,993.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,936.13	1/4	4,633.44	1/4	4,313.03	1/4	3,981.72	1/4	3,650.03	1/4	3,318.34	1/4	2,986.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,929.98	1/2	4,626.93	1/2	4,306.18	1/2	3,974.81	1/2	3,643.12	1/2	3,311.43	1/2	2,979.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,923.84	3/4	4,620.41	3/4	4,299.33	3/4	3,967.90	3/4	3,636.21	3/4	3,304.52	3/4	2,972.83		
4	4	4	4	4	4	4	4,917.69	4	4,613.89	4	4,292.48	4	3,960.99	4	3,629.30	4	3,297.61	4	2,965.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,911.52	1/4	4,607.35	1/4	4,285.61	1/4	3,954.08	1/4	3,622.39	1/4	3,290.70	1/4	2,959.01		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,905.35	1/2	4,600.81	1/2	4,278.73	1/2	3,947.17	1/2	3,615.48	1/2	3,283.79	1/2	2,952.10		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,899.17	3/4	4,594.26	3/4	4,271.86	3/4	3,940.26	3/4	3,608.57	3/4	3,276.88	3/4	2,945.19		
5	5	5	5	5	5	5	4,893.00	5	4,587.72	5	4,264.98	5	3,933.35	5	3,601.66	5	3,269.97	5	2,938.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,886.80	1/4	4,581.15	1/4	4,258.09	1/4	3,926.44	1/4	3,594.75	1/4	3,263.06	1/4	2,931.37		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,880.60	1/2	4,574.58	1/2	4,251.19	1/2	3,919.53	1/2	3,587.84	1/2	3,256.15	1/2	2,924.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,874.40	3/4	4,568.00	3/4	4,244.30	3/4	3,912.62	3/4	3,580.93	3/4	3,249.24	3/4	2,917.55		
6	6	6	6	6	6	6	4,868.20	6	4,561.43	6	4,237.40	6	3,905.71	6	3,574.02	6	3,242.33	6	2,910.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,861.97	1/4	4,554.83	1/4	4,230.49	1/4	3,898.80	1/4	3,567.11	1/4	3,235.42	1/4	2,903.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,141.61	1/2	4,855.74	1/2	4,548.23	1/2	4,223.58	1/2	3,891.89	1/2	3,560.20	1/2	3,228.51	1/2	2,896.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,136.73	3/4	4,849.51	3/4	4,541.63	3/4	4,216.67	3/4	3,884.98	3/4	3,553.29	3/4	3,221.60	3/4	2,889.91
7	7	7	7	7	7	7	5,131.85	7	4,843.28	7	4,535.03	7	4,209.76	7	3,878.07	7	3,546.38	7	3,214.69	7	2,883.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,126.50	1/4	4,837.03	1/4	4,528.40	1/4	4,202.85	1/4	3,871.16	1/4	3,539.47	1/4	3,207.78	1/4	2,876.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,121.15	1/2	4,830.77	1/2	4,521.78	1/2	4,195.94	1/2	3,864.25	1/2	3,532.56	1/2	3,200.87	1/2	2,869.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,115.79	3/4	4,824.52	3/4	4,515.15	3/4	4,189.03	3/4	3,857.34	3/4	3,525.65	3/4	3,193.96	3/4	2,862.27
8	8	8	8	8	8	8	5,110.44	8	4,818.26	8	4,508.52	8	4,182.12	8	3,850.43	8	3,518.74	8	3,187.05	8	2,855.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,104.54	1/4	4,811.98	1/4	4,501.87	1/4	4,175.21	1/4	3,843.52	1/4	3,511.83	1/4	3,180.14	1/4	2,848.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,098.64	1/2	4,805.69	1/2	4,495.22	1/2	4,168.30	1/2	3,836.61	1/2	3,504.92	1/2	3,173.23	1/2	2,841.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,092.74	3/4	4,799.41	3/4	4,488.56	3/4	4,161.39	3/4	3,829.70	3/4	3,498.01	3/4	3,166.32	3/4	2,834.63
9	9	9	9	9	9	9	5,086.84	9	4,793.12	9	4,481.91	9	4,154.48	9	3,822.79	9	3,491.10	9	3,159.41	9	2,827.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,080.92	1/4	4,786.81	1/4	4,475.23	1/4	4,147.57	1/4	3,815.88	1/4	3,484.19	1/4	3,152.50	1/4	2,820.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,074.99	1/2	4,780.50	1/2	4,468.55	1/2	4,140.66	1/2	3,808.97	1/2	3,477.28	1/2	3,145.59	1/2	2,813.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,069.07	3/4	4,774.19	3/4	4,461.86	3/4	4,133.75	3/4	3,802.06	3/4	3,470.37	3/4	3,138.68	3/4	2,806.99
10	10	10	10	10	10	10	5,063.14	10	4,767.88	10	4,455.18	10	4,126.84	10	3,795.15	10	3,463.46	10	3,131.77	10	2,800.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,057.19	1/4	4,761.54	1/4	4,448.47	1/4	4,119.93	1/4	3,788.24	1/4	3,456.55	1/4	3,124.86	1/4	2,793.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,051.24	1/2	4,755.20	1/2	4,441.76	1/2	4,113.02	1/2	3,781.33	1/2	3,449.64	1/2	3,117.95	1/2	2,786.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,045.28	3/4	4,748.86	3/4	4,435.05	3/4	4,106.10	3/4	3,774.41	3/4	3,442.73	3/4	3,111.04	3/4	2,779.35
11	11	11	11	11	11	11	5,039.33	11	4,742.52	11	4,428.34	11	4,099.19	11	3,767.50	11	3,435.82	11	3,104.13	11	2,772.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,033.34	1/4	4,736.16	1/4	4,421.60	1/4	4,092.28	1/4	3,760.59	1/4	3,428.91	1/4	3,097.22	1/4	2,765.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,027.35	1/2	4,729.79	1/2	4,414.87	1/2	4,085.37	1/2	3,753.68	1/2	3,422.00	1/2	3,090.31	1/2	2,758.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,021.35	3/4	4,723.43	3/4	4,408.13	3/4	4,078.46	3/4	3,746.77	3/4	3,415.08	3/4	3,083.39	3/4	2,751.71

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 29081"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 251"

GAUGE HEIGHT 18'-03"

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	2,744.80	0	2,412.98	0	2,081.07	0	1,749.16	0	1,417.25	0	1,085.34	0	753.91	0	422.01	0	90.23	0	
1/4	2,737.89	1/4	2,406.07	1/4	2,074.16	1/4	1,742.25	1/4	1,410.34	1/4	1,078.43	1/4	747.00	1/4	415.10	1/4	83.52	1/4	
1/2	2,730.98	1/2	2,399.15	1/2	2,067.24	1/2	1,735.33	1/2	1,403.42	1/2	1,071.51	1/2	740.08	1/2	408.18	1/2	76.80	1/2	
3/4	2,724.06	3/4	2,392.24	3/4	2,060.33	3/4	1,728.42	3/4	1,396.51	3/4	1,064.60	3/4	733.17	3/4	401.27	3/4	70.09	3/4	
1	2,717.15	1	2,385.32	1	2,053.41	1	1,721.50	1	1,389.59	1	1,057.68	1	726.25	1	394.35	1	63.37	1	
1/4	2,710.24	1/4	2,378.41	1/4	2,046.50	1/4	1,714.59	1/4	1,382.68	1/4	1,050.77	1/4	719.34	1/4	387.44	1/4	57.50	1/4	
1/2	2,703.33	1/2	2,371.49	1/2	2,039.58	1/2	1,707.67	1/2	1,375.76	1/2	1,043.86	1/2	712.42	1/2	380.53	1/2	51.62	1/2	
3/4	2,696.42	3/4	2,364.58	3/4	2,032.67	3/4	1,700.76	3/4	1,368.85	3/4	1,036.94	3/4	705.51	3/4	373.61	3/4	45.75	3/4	
2	2,689.51	2	2,357.66	2	2,025.75	2	1,693.84	2	1,361.93	2	1,030.03	2	698.59	2	366.70	2	39.87	2	
1/4	2,682.60	1/4	2,350.75	1/4	2,018.84	1/4	1,686.93	1/4	1,355.02	1/4	1,023.13	1/4	691.68	1/4	359.79	1/4	35.40	1/4	
1/2	2,675.69	1/2	2,343.83	1/2	2,011.92	1/2	1,680.01	1/2	1,348.10	1/2	1,016.23	1/2	684.76	1/2	352.88	1/2	30.93	1/2	
3/4	2,668.78	3/4	2,336.92	3/4	2,005.01	3/4	1,673.10	3/4	1,341.19	3/4	1,009.32	3/4	677.85	3/4	345.96	3/4	26.45	3/4	
3	2,661.87	3	2,330.00	3	1,998.09	3	1,666.18	3	1,334.27	3	1,002.42	3	670.93	3	339.05	3	21.89	3	
1/4	2,654.96	1/4	2,323.09	1/4	1,991.18	1/4	1,659.27	1/4	1,327.36	1/4	995.52	1/4	664.02	1/4	332.14	1/4		1/4	
1/2	2,648.05	1/2	2,316.17	1/2	1,984.26	1/2	1,652.35	1/2	1,320.44	1/2	988.62	1/2	657.10	1/2	325.23	1/2		1/2	
3/4	2,641.14	3/4	2,309.26	3/4	1,977.35	3/4	1,645.44	3/4	1,313.53	3/4	981.71	3/4	650.19	3/4	318.32	3/4		3/4	
4	2,634.23	4	2,302.34	4	1,970.43	4	1,638.52	4	1,306.61	4	974.81	4	643.27	4	311.41	4		4	
1/4	2,627.32	1/4	2,295.43	1/4	1,963.52	1/4	1,631.61	1/4	1,299.70	1/4	967.91	1/4	636.36	1/4	304.50	1/4		1/4	
1/2	2,620.41	1/2	2,288.51	1/2	1,956.60	1/2	1,624.69	1/2	1,292.78	1/2	961.01	1/2	629.45	1/2	297.58	1/2		1/2	
3/4	2,613.50	3/4	2,281.60	3/4	1,949.69	3/4	1,617.78	3/4	1,285.87	3/4	954.10	3/4	622.53	3/4	290.67	3/4		3/4	
5	2,606.59	5	2,274.68	5	1,942.77	5	1,610.86	5	1,278.95	5	947.20	5	615.62	5	283.75	5		5	
1/4	2,599.68	1/4	2,267.77	1/4	1,935.86	1/4	1,603.95	1/4	1,272.04	1/4	940.30	1/4	608.71	1/4	276.84	1/4		1/4	
1/2	2,592.76	1/2	2,260.85	1/2	1,928.94	1/2	1,597.03	1/2	1,265.12	1/2	933.39	1/2	601.79	1/2	269.92	1/2		1/2	
3/4	2,585.85	3/4	2,253.94	3/4	1,922.03	3/4	1,590.12	3/4	1,258.21	3/4	926.49	3/4	594.88	3/4	263.01	3/4		3/4	
6	2,578.93	6	2,247.02	6	1,915.11	6	1,583.20	6	1,251.29	6	919.58	6	587.96	6	256.09	6		6	
1/4	2,572.02	1/4	2,240.11	1/4	1,908.20	1/4	1,576.29	1/4	1,244.38	1/4	912.68	1/4	581.05	1/4	249.18	1/4		1/4	
1/2	2,565.10	1/2	2,233.19	1/2	1,901.28	1/2	1,569.37	1/2	1,237.46	1/2	905.78	1/2	574.13	1/2	242.26	1/2		1/2	
3/4	2,558.19	3/4	2,226.28	3/4	1,894.37	3/4	1,562.46	3/4	1,230.55	3/4	898.87	3/4	567.22	3/4	235.35	3/4		3/4	
7	2,551.27	7	2,219.36	7	1,887.45	7	1,555.54	7	1,223.63	7	891.97	7	560.30	7	228.43	7		7	
1/4	2,544.36	1/4	2,212.45	1/4	1,880.54	1/4	1,548.63	1/4	1,216.72	1/4	885.07	1/4	553.39	1/4	221.52	1/4		1/4	
1/2	2,537.44	1/2	2,205.53	1/2	1,873.62	1/2	1,541.71	1/2	1,209.80	1/2	878.17	1/2	546.47	1/2	214.61	1/2		1/2	
3/4	2,530.53	3/4	2,198.62	3/4	1,866.71	3/4	1,534.80	3/4	1,202.89	3/4	871.26	3/4	539.56	3/4	207.69	3/4		3/4	
8	2,523.61	8	2,191.70	8	1,859.79	8	1,527.88	8	1,195.97	8	864.36	8	532.64	8	200.78	8		8	
1/4	2,516.70	1/4	2,184.79	1/4	1,852.88	1/4	1,520.97	1/4	1,189.06	1/4	857.46	1/4	525.73	1/4	193.87	1/4		1/4	
1/2	2,509.79	1/2	2,177.87	1/2	1,845.96	1/2	1,514.05	1/2	1,182.14	1/2	850.56	1/2	518.81	1/2	186.95	1/2		1/2	
3/4	2,502.87	3/4	2,170.96	3/4	1,839.05	3/4	1,507.14	3/4	1,175.23	3/4	843.65	3/4	511.90	3/4	180.04	3/4		3/4	
9	2,495.96	9	2,164.04	9	1,832.13	9	1,500.22	9	1,168.31	9	836.75	9	504.98	9	173.12	9		9	
1/4	2,489.05	1/4	2,157.13	1/4	1,825.22	1/4	1,493.31	1/4	1,161.40	1/4	829.85	1/4	498.07	1/4	166.21	1/4		1/4	
1/2	2,482.13	1/2	2,150.22	1/2	1,818.31	1/2	1,486.39	1/2	1,154.48	1/2	822.95	1/2	491.16	1/2	159.29	1/2		1/2	
3/4	2,475.22	3/4	2,143.30	3/4	1,811.39	3/4	1,479.48	3/4	1,147.57	3/4	816.04	3/4	484.24	3/4	152.38	3/4		3/4	
10	2,468.30	10	2,136.39	10	1,804.48	10	1,472.56	10	1,140.65	10	809.14	10	477.33	10	145.46	10		10	
1/4	2,461.39	1/4	2,129.48	1/4	1,797.57	1/4	1,465.65	1/4	1,133.74	1/4	802.24	1/4	470.42	1/4	138.55	1/4		1/4	
1/2	2,454.47	1/2	2,122.56	1/2	1,790.65	1/2	1,458.74	1/2	1,126.83	1/2	795.34	1/2	463.50	1/2	131.64	1/2		1/2	
3/4	2,447.56	3/4	2,115.65	3/4	1,783.74	3/4	1,451.82	3/4	1,119.91	3/4	788.43	3/4	456.59	3/4	124.73	3/4		3/4	
11	2,440.64	11	2,108.73	11	1,776.82	11	1,444.91	11	1,113.00	11	781.53	11	449.67	11	117.82	11		11	
1/4	2,433.73	1/4	2,101.82	1/4	1,769.91	1/4	1,438.00	1/4	1,106.09	1/4	774.63	1/4	442.76	1/4	110.92	1/4		1/4	
1/2	2,426.81	1/2	2,094.90	1/2	1,762.99	1/2	1,431.08	1/2	1,099.17	1/2	767.72	1/2	435.84	1/2	104.03	1/2		1/2	
3/4	2,419.90	3/4	2,087.99	3/4	1,756.08	3/4	1,424.17	3/4	1,092.26	3/4	760.82	3/4	428.93	3/4	97.13	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
NAME CHANGE: 06/05/2023 JS
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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



BARGE "KIRBY 29081"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 251"

GAUGE HEIGHT 18'-03 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	5,019.52	0	4,721.60	0	4,406.30	0	4,076.64	0	3,744.95	0	3,413.26	0	3,081.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,013.53	1/4	4,715.23	1/4	4,399.56	1/4	4,069.73	1/4	3,738.04	1/4	3,406.35	1/4	3,074.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,007.47	1/2	4,708.83	1/2	4,392.79	1/2	4,062.82	1/2	3,731.13	1/2	3,399.44	1/2	3,067.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,001.41	3/4	4,702.44	3/4	4,386.03	3/4	4,055.91	3/4	3,724.22	3/4	3,392.53	3/4	3,060.84
1		1		1		1	4,995.34	1	4,696.04	1	4,379.26	1	4,049.00	1	3,717.31	1	3,385.62	1	3,053.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,989.28	1/4	4,689.65	1/4	4,372.50	1/4	4,042.09	1/4	3,710.40	1/4	3,378.71	1/4	3,047.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,983.19	1/2	4,683.23	1/2	4,365.71	1/2	4,035.18	1/2	3,703.49	1/2	3,371.80	1/2	3,040.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,977.10	3/4	4,676.81	3/4	4,358.91	3/4	4,028.27	3/4	3,696.58	3/4	3,364.89	3/4	3,033.20
2		2		2		2	4,971.01	2	4,670.39	2	4,352.12	2	4,021.35	2	3,689.67	2	3,357.98	2	3,026.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,964.92	1/4	4,663.97	1/4	4,345.33	1/4	4,014.44	1/4	3,682.76	1/4	3,351.07	1/4	3,019.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,958.80	1/2	4,657.51	1/2	4,338.51	1/2	4,007.53	1/2	3,675.85	1/2	3,344.16	1/2	3,012.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,952.69	3/4	4,651.05	3/4	4,331.69	3/4	4,000.62	3/4	3,668.94	3/4	3,337.25	3/4	3,005.56
3		3		3		3	4,946.57	3	4,644.59	3	4,324.87	3	3,993.71	3	3,662.02	3	3,330.33	3	2,998.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,940.45	1/4	4,638.13	1/4	4,318.05	1/4	3,986.80	1/4	3,655.11	1/4	3,323.42	1/4	2,991.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,934.31	1/2	4,631.61	1/2	4,311.20	1/2	3,979.89	1/2	3,648.20	1/2	3,316.51	1/2	2,984.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,928.16	3/4	4,625.09	3/4	4,304.36	3/4	3,972.98	3/4	3,641.29	3/4	3,309.60	3/4	2,977.92
4		4		4		4	4,922.01	4	4,618.58	4	4,297.51	4	3,966.07	4	3,634.38	4	3,302.69	4	2,971.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,915.87	1/4	4,612.06	1/4	4,290.66	1/4	3,959.16	1/4	3,627.47	1/4	3,295.78	1/4	2,964.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,909.69	1/2	4,605.52	1/2	4,283.78	1/2	3,952.25	1/2	3,620.56	1/2	3,288.87	1/2	2,957.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,903.52	3/4	4,598.97	3/4	4,276.91	3/4	3,945.34	3/4	3,613.65	3/4	3,281.96	3/4	2,950.27
5		5		5		5	4,897.34	5	4,592.43	5	4,270.03	5	3,938.43	5	3,606.74	5	3,275.05	5	2,943.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,891.17	1/4	4,585.89	1/4	4,263.15	1/4	3,931.52	1/4	3,599.83	1/4	3,268.14	1/4	2,936.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,884.97	1/2	4,579.32	1/2	4,256.26	1/2	3,924.61	1/2	3,592.92	1/2	3,261.23	1/2	2,929.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,878.77	3/4	4,572.74	3/4	4,249.36	3/4	3,917.70	3/4	3,586.01	3/4	3,254.32	3/4	2,922.63
6		6		6		6	4,872.57	6	4,566.17	6	4,242.47	6	3,910.79	6	3,579.10	6	3,247.41	6	2,915.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,866.37	1/4	4,559.60	1/4	4,235.57	1/4	3,903.88	1/4	3,572.19	1/4	3,240.50	1/4	2,908.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,860.14	1/2	4,553.00	1/2	4,228.66	1/2	3,896.97	1/2	3,565.28	1/2	3,233.59	1/2	2,901.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,139.78	3/4	4,853.91	3/4	4,546.40	3/4	4,221.75	3/4	3,890.06	3/4	3,558.37	3/4	3,226.68
7		7		7		7	5,134.90	7	4,847.69	7	4,539.80	7	4,214.84	7	3,883.15	7	3,551.46	7	3,219.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,130.02	1/4	4,841.46	1/4	4,533.20	1/4	4,207.93	1/4	3,876.24	1/4	3,544.55	1/4	3,212.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,124.67	1/2	4,835.20	1/2	4,526.57	1/2	4,201.02	1/2	3,869.33	1/2	3,537.64	1/2	3,205.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,119.32	3/4	4,828.95	3/4	4,519.95	3/4	4,194.11	3/4	3,862.42	3/4	3,530.73	3/4	3,199.04
8		8		8		8	5,113.96	8	4,822.69	8	4,513.32	8	4,187.20	8	3,855.51	8	3,523.82	8	3,192.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,108.61	1/4	4,816.43	1/4	4,506.70	1/4	4,180.29	1/4	3,848.60	1/4	3,516.91	1/4	3,185.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,102.71	1/2	4,810.15	1/2	4,500.04	1/2	4,173.38	1/2	3,841.69	1/2	3,510.00	1/2	3,178.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,096.81	3/4	4,803.87	3/4	4,493.39	3/4	4,166.47	3/4	3,834.78	3/4	3,503.09	3/4	3,171.40
9		9		9		9	5,090.91	9	4,797.58	9	4,486.73	9	4,159.56	9	3,827.87	9	3,496.18	9	3,164.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,085.01	1/4	4,791.30	1/4	4,480.08	1/4	4,152.65	1/4	3,820.96	1/4	3,489.27	1/4	3,157.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,079.09	1/2	4,784.99	1/2	4,473.40	1/2	4,145.74	1/2	3,814.05	1/2	3,482.36	1/2	3,150.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,073.16	3/4	4,778.67	3/4	4,466.71	3/4	4,138.83	3/4	3,807.14	3/4	3,475.45	3/4	3,143.76
10		10		10		10	5,067.24	10	4,772.36	10	4,460.03	10	4,131.92	10	3,800.23	10	3,468.54	10	3,136.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,061.31	1/4	4,766.05	1/4	4,453.35	1/4	4,125.01	1/4	3,793.32	1/4	3,461.63	1/4	3,129.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,055.36	1/2	4,759.71	1/2	4,446.64	1/2	4,118.10	1/2	3,786.41	1/2	3,454.72	1/2	3,123.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,049.41	3/4	4,753.38	3/4	4,439.93	3/4	4,111.19	3/4	3,779.50	3/4	3,447.81	3/4	3,116.12
11		11		11		11	5,043.45	11	4,747.04	11	4,433.22	11	4,104.28	11	3,772.59	11	3,440.90	11	3,109.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,037.50	1/4	4,740.70	1/4	4,426.51	1/4	4,097.37	1/4	3,765.68	1/4	3,433.99	1/4	3,102.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,031.51	1/2	4,734.33	1/2	4,419.77	1/2	4,090.46	1/2	3,758.77	1/2	3,427.08	1/2	3,095.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,025.52	3/4	4,727.97	3/4	4,413.03	3/4	4,083.55	3/4	3,751.86	3/4	3,420.17	3/4	3,088.48

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29081"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 251"

GAUGE HEIGHT 18'-03 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	2,749.88	0	2,418.07	0	2,086.16	0	1,754.25	0	1,422.34	0	1,090.43	0	760.63	0	428.93	0	97.13	0	
1/4	2,742.97	1/4	2,411.15	1/4	2,079.24	1/4	1,747.33	1/4	1,415.42	1/4	1,083.51	1/4	753.76	1/4	422.01	1/4	90.23	1/4	
1/2	2,736.06	1/2	2,404.24	1/2	2,072.33	1/2	1,740.42	1/2	1,408.51	1/2	1,076.61	1/2	746.88	1/2	415.10	1/2	83.52	1/2	
3/4	2,729.15	3/4	2,397.32	3/4	2,065.41	3/4	1,733.50	3/4	1,401.59	3/4	1,069.70	3/4	740.01	3/4	408.18	3/4	76.80	3/4	
1	2,722.24	1	2,390.41	1	2,058.50	1	1,726.59	1	1,394.68	1	1,062.80	1	733.13	1	401.27	1	70.09	1	
1/4	2,715.33	1/4	2,383.49	1/4	2,051.58	1/4	1,719.67	1/4	1,387.76	1/4	1,055.89	1/4	726.25	1/4	394.35	1/4	63.37	1/4	
1/2	2,708.42	1/2	2,376.58	1/2	2,044.67	1/2	1,712.76	1/2	1,380.85	1/2	1,049.02	1/2	719.34	1/2	387.44	1/2	57.50	1/2	
3/4	2,701.51	3/4	2,369.66	3/4	2,037.75	3/4	1,705.84	3/4	1,373.93	3/4	1,042.15	3/4	712.42	3/4	380.53	3/4	51.62	3/4	
2	2,694.60	2	2,362.75	2	2,030.84	2	1,698.93	2	1,367.02	2	1,035.27	2	705.51	2	373.61	2	45.75	2	
1/4	2,687.69	1/4	2,355.83	1/4	2,023.92	1/4	1,692.01	1/4	1,360.10	1/4	1,028.40	1/4	698.59	1/4	366.70	1/4	39.87	1/4	
1/2	2,680.78	1/2	2,348.92	1/2	2,017.01	1/2	1,685.10	1/2	1,353.19	1/2	1,021.53	1/2	691.68	1/2	359.79	1/2	35.38	1/2	
3/4	2,673.87	3/4	2,342.00	3/4	2,010.09	3/4	1,678.18	3/4	1,346.27	3/4	1,014.66	3/4	684.76	3/4	352.88	3/4	30.88	3/4	
3	2,666.96	3	2,335.09	3	2,003.18	3	1,671.27	3	1,339.36	3	1,007.79	3	677.85	3	345.96	3	26.39	3	
1/4	2,660.05	1/4	2,328.17	1/4	1,996.26	1/4	1,664.35	1/4	1,332.44	1/4	1,000.92	1/4	670.93	1/4	339.05	1/4	21.89	1/4	
1/2	2,653.14	1/2	2,321.26	1/2	1,989.35	1/2	1,657.44	1/2	1,325.53	1/2	994.06	1/2	664.02	1/2	332.14	1/2		1/2	
3/4	2,646.23	3/4	2,314.34	3/4	1,982.43	3/4	1,650.52	3/4	1,318.61	3/4	987.19	3/4	657.10	3/4	325.23	3/4		3/4	
4	2,639.31	4	2,307.43	4	1,975.52	4	1,643.61	4	1,311.70	4	980.33	4	650.19	4	318.32	4		4	
1/4	2,632.40	1/4	2,300.51	1/4	1,968.60	1/4	1,636.69	1/4	1,304.78	1/4	973.46	1/4	643.27	1/4	311.41	1/4		1/4	
1/2	2,625.49	1/2	2,293.60	1/2	1,961.69	1/2	1,629.78	1/2	1,297.87	1/2	966.60	1/2	636.36	1/2	304.50	1/2		1/2	
3/4	2,618.58	3/4	2,286.68	3/4	1,954.77	3/4	1,622.86	3/4	1,290.95	3/4	959.73	3/4	629.45	3/4	297.58	3/4		3/4	
5	2,611.67	5	2,279.77	5	1,947.86	5	1,615.95	5	1,284.04	5	952.87	5	622.53	5	290.67	5		5	
1/4	2,604.76	1/4	2,272.85	1/4	1,940.94	1/4	1,609.03	1/4	1,277.12	1/4	946.00	1/4	615.62	1/4	283.75	1/4		1/4	
1/2	2,597.85	1/2	2,265.94	1/2	1,934.03	1/2	1,602.12	1/2	1,270.21	1/2	939.14	1/2	608.71	1/2	276.84	1/2		1/2	
3/4	2,590.94	3/4	2,259.03	3/4	1,927.11	3/4	1,595.20	3/4	1,263.29	3/4	932.27	3/4	601.79	3/4	269.92	3/4		3/4	
6	2,584.02	6	2,252.11	6	1,920.20	6	1,588.29	6	1,256.38	6	925.41	6	594.88	6	263.01	6		6	
1/4	2,577.11	1/4	2,245.20	1/4	1,913.28	1/4	1,581.37	1/4	1,249.46	1/4	918.54	1/4	587.96	1/4	256.09	1/4		1/4	
1/2	2,570.20	1/2	2,238.29	1/2	1,906.37	1/2	1,574.46	1/2	1,242.55	1/2	911.67	1/2	581.05	1/2	249.18	1/2		1/2	
3/4	2,563.28	3/4	2,231.37	3/4	1,899.46	3/4	1,567.55	3/4	1,235.63	3/4	904.81	3/4	574.13	3/4	242.26	3/4		3/4	
7	2,556.37	7	2,224.46	7	1,892.54	7	1,560.63	7	1,228.72	7	897.94	7	567.22	7	235.35	7		7	
1/4	2,549.45	1/4	2,217.54	1/4	1,885.63	1/4	1,553.72	1/4	1,221.80	1/4	891.07	1/4	560.30	1/4	228.43	1/4		1/4	
1/2	2,542.54	1/2	2,210.63	1/2	1,878.72	1/2	1,546.81	1/2	1,214.89	1/2	884.21	1/2	553.39	1/2	221.52	1/2		1/2	
3/4	2,535.62	3/4	2,203.71	3/4	1,871.80	3/4	1,539.89	3/4	1,207.98	3/4	877.34	3/4	546.47	3/4	214.61	3/4		3/4	
8	2,528.71	8	2,196.80	8	1,864.89	8	1,532.98	8	1,201.06	8	870.48	8	539.56	8	207.69	8		8	
1/4	2,521.79	1/4	2,189.88	1/4	1,857.97	1/4	1,526.06	1/4	1,194.15	1/4	863.61	1/4	532.64	1/4	200.78	1/4		1/4	
1/2	2,514.88	1/2	2,182.97	1/2	1,851.06	1/2	1,519.15	1/2	1,187.24	1/2	856.75	1/2	525.73	1/2	193.87	1/2		1/2	
3/4	2,507.96	3/4	2,176.05	3/4	1,844.14	3/4	1,512.23	3/4	1,180.32	3/4	849.88	3/4	518.81	3/4	186.95	3/4		3/4	
9	2,501.05	9	2,169.14	9	1,837.23	9	1,505.32	9	1,173.41	9	843.02	9	511.90	9	180.04	9		9	
1/4	2,494.13	1/4	2,162.22	1/4	1,830.31	1/4	1,498.40	1/4	1,166.49	1/4	836.15	1/4	504.98	1/4	173.12	1/4		1/4	
1/2	2,487.22	1/2	2,155.31	1/2	1,823.40	1/2	1,491.49	1/2	1,159.58	1/2	829.29	1/2	498.07	1/2	166.21	1/2		1/2	
3/4	2,480.30	3/4	2,148.39	3/4	1,816.48	3/4	1,484.57	3/4	1,152.66	3/4	822.42	3/4	491.16	3/4	159.29	3/4		3/4	
10	2,473.39	10	2,141.48	10	1,809.57	10	1,477.66	10	1,145.75	10	815.56	10	484.24	10	152.38	10		10	
1/4	2,466.47	1/4	2,134.56	1/4	1,802.65	1/4	1,470.74	1/4	1,138.83	1/4	808.69	1/4	477.33	1/4	145.46	1/4		1/4	
1/2	2,459.56	1/2	2,127.65	1/2	1,795.74	1/2	1,463.83	1/2	1,131.92	1/2	801.82	1/2	470.42	1/2	138.55	1/2		1/2	
3/4	2,452.64	3/4	2,120.73	3/4	1,788.82	3/4	1,456.91	3/4	1,125.00	3/4	794.96	3/4	463.50	3/4	131.64	3/4		3/4	
11	2,445.73	11	2,113.82	11	1,781.91	11	1,450.00	11	1,118.09	11	788.09	11	456.59	11	124.73	11		11	
1/4	2,438.81	1/4	2,106.90	1/4	1,774.99	1/4	1,443.08	1/4	1,111.17	1/4	781.22	1/4	449.67	1/4	117.82	1/4		1/4	
1/2	2,431.90	1/2	2,099.99	1/2	1,768.08	1/2	1,436.17	1/2	1,104.26	1/2	774.36	1/2	442.76	1/2	110.92	1/2		1/2	
3/4	2,424.98	3/4	2,093.07	3/4	1,761.16	3/4	1,429.25	3/4	1,097.34	3/4	767.49	3/4	435.84	3/4	104.03	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
NAME CHANGE: 06/05/2023 JS
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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



BARGE "KIRBY 29081"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 251"

GAUGE HEIGHT 18'-03 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	5,012.98	0	4,716.29	0	4,402.27	0	4,073.70	0	3,742.97	0	3,412.24	0	3,081.52
1/4		1/4		1/4		1/4	5,007.00	1/4	4,709.94	1/4	4,395.55	1/4	4,066.81	1/4	3,736.08	1/4	3,405.35	1/4	3,074.62
1/2		1/2		1/2		1/2	5,001.02	1/2	4,703.59	1/2	4,388.83	1/2	4,059.92	1/2	3,729.19	1/2	3,398.46	1/2	3,067.73
3/4		3/4		3/4		3/4	4,994.98	3/4	4,697.21	3/4	4,382.08	3/4	4,053.03	3/4	3,722.30	3/4	3,391.57	3/4	3,060.84
1		1		1		1	4,988.93	1	4,690.84	1	4,375.34	1	4,046.14	1	3,715.41	1	3,384.68	1	3,053.95
1/4		1/4		1/4		1/4	4,982.89	1/4	4,684.46	1/4	4,368.59	1/4	4,039.25	1/4	3,708.52	1/4	3,377.79	1/4	3,047.06
1/2		1/2		1/2		1/2	4,976.84	1/2	4,678.08	1/2	4,361.84	1/2	4,032.36	1/2	3,701.63	1/2	3,370.90	1/2	3,040.17
3/4		3/4		3/4		3/4	4,970.77	3/4	4,671.68	3/4	4,355.07	3/4	4,025.47	3/4	3,694.74	3/4	3,364.01	3/4	3,033.28
2		2		2		2	4,964.70	2	4,665.28	2	4,348.30	2	4,018.58	2	3,687.85	2	3,357.12	2	3,026.39
1/4		1/4		1/4		1/4	4,958.62	1/4	4,658.87	1/4	4,341.52	1/4	4,011.69	1/4	3,680.96	1/4	3,350.23	1/4	3,019.50
1/2		1/2		1/2		1/2	4,952.55	1/2	4,652.47	1/2	4,334.75	1/2	4,004.80	1/2	3,674.07	1/2	3,343.34	1/2	3,012.61
3/4		3/4		3/4		3/4	4,946.45	3/4	4,646.03	3/4	4,327.95	3/4	3,997.91	3/4	3,667.18	3/4	3,336.45	3/4	3,005.72
3		3		3		3	4,940.35	3	4,639.59	3	4,321.15	3	3,991.02	3	3,660.29	3	3,329.56	3	2,998.83
1/4		1/4		1/4		1/4	4,934.25	1/4	4,633.15	1/4	4,314.35	1/4	3,984.13	1/4	3,653.40	1/4	3,322.67	1/4	2,991.94
1/2		1/2		1/2		1/2	4,928.15	1/2	4,626.71	1/2	4,307.55	1/2	3,977.24	1/2	3,646.51	1/2	3,315.78	1/2	2,985.05
3/4		3/4		3/4		3/4	4,922.02	3/4	4,620.21	3/4	4,300.72	3/4	3,970.35	3/4	3,639.62	3/4	3,308.89	3/4	2,978.16
4		4		4		4	4,915.90	4	4,613.72	4	4,293.90	4	3,963.46	4	3,632.73	4	3,302.00	4	2,971.27
1/4		1/4		1/4		1/4	4,909.77	1/4	4,607.22	1/4	4,287.07	1/4	3,956.57	1/4	3,625.84	1/4	3,295.11	1/4	2,964.38
1/2		1/2		1/2		1/2	4,903.64	1/2	4,600.72	1/2	4,280.24	1/2	3,949.68	1/2	3,618.95	1/2	3,288.22	1/2	2,957.49
3/4		3/4		3/4		3/4	4,897.49	3/4	4,594.20	3/4	4,273.38	3/4	3,942.79	3/4	3,612.06	3/4	3,281.33	3/4	2,950.60
5		5		5		5	4,891.33	5	4,587.67	5	4,266.53	5	3,935.90	5	3,605.17	5	3,274.44	5	2,943.71
1/4		1/4		1/4		1/4	4,885.18	1/4	4,581.15	1/4	4,259.67	1/4	3,929.01	1/4	3,598.28	1/4	3,267.55	1/4	2,936.82
1/2		1/2		1/2		1/2	4,879.02	1/2	4,574.62	1/2	4,252.81	1/2	3,922.12	1/2	3,591.39	1/2	3,260.66	1/2	2,929.93
3/4		3/4		3/4		3/4	4,872.84	3/4	4,568.07	3/4	4,245.93	3/4	3,915.23	3/4	3,584.50	3/4	3,253.77	3/4	2,923.04
6		6		6		6	4,866.66	6	4,561.52	6	4,239.05	6	3,908.34	6	3,577.61	6	3,246.88	6	2,916.15
1/4		1/4		1/4		1/4	4,860.47	1/4	4,554.96	1/4	4,232.17	1/4	3,901.45	1/4	3,570.72	1/4	3,239.99	1/4	2,909.26
1/2		1/2		1/2		1/2	4,854.29	1/2	4,548.41	1/2	4,225.29	1/2	3,894.56	1/2	3,563.83	1/2	3,233.10	1/2	2,902.37
3/4		3/4		3/4		3/4	4,848.08	3/4	4,541.83	3/4	4,218.40	3/4	3,887.67	3/4	3,556.94	3/4	3,226.21	3/4	2,895.48
7		7		7	5,126.91	7	4,841.87	7	4,535.25	7	4,211.51	7	3,880.78	7	3,550.05	7	3,219.32	7	2,888.59
1/4		1/4		1/4	5,122.05	1/4	4,835.66	1/4	4,528.67	1/4	4,204.62	1/4	3,873.89	1/4	3,543.16	1/4	3,212.43	1/4	2,881.70
1/2		1/2		1/2	5,117.18	1/2	4,829.45	1/2	4,522.09	1/2	4,197.73	1/2	3,867.00	1/2	3,536.27	1/2	3,205.54	1/2	2,874.81
3/4		3/4		3/4	5,111.84	3/4	4,823.21	3/4	4,515.48	3/4	4,190.84	3/4	3,860.11	3/4	3,529.38	3/4	3,198.65	3/4	2,867.92
8		8		8	5,106.51	8	4,816.98	8	4,508.87	8	4,183.95	8	3,853.22	8	3,522.49	8	3,191.76	8	2,861.03
1/4		1/4		1/4	5,101.17	1/4	4,810.74	1/4	4,502.26	1/4	4,177.06	1/4	3,846.33	1/4	3,515.60	1/4	3,184.87	1/4	2,854.14
1/2		1/2		1/2	5,095.83	1/2	4,804.50	1/2	4,495.65	1/2	4,170.17	1/2	3,839.44	1/2	3,508.71	1/2	3,177.98	1/2	2,847.25
3/4		3/4		3/4	5,089.95	3/4	4,798.23	3/4	4,489.02	3/4	4,163.28	3/4	3,832.55	3/4	3,501.82	3/4	3,171.09	3/4	2,840.36
9		9		9	5,084.07	9	4,791.97	9	4,482.38	9	4,156.39	9	3,825.66	9	3,494.93	9	3,164.20	9	2,833.47
1/4		1/4		1/4	5,078.18	1/4	4,785.70	1/4	4,475.75	1/4	4,149.50	1/4	3,818.77	1/4	3,488.04	1/4	3,157.31	1/4	2,826.58
1/2		1/2		1/2	5,072.30	1/2	4,779.43	1/2	4,469.11	1/2	4,142.61	1/2	3,811.88	1/2	3,481.15	1/2	3,150.42	1/2	2,819.69
3/4		3/4		3/4	5,066.39	3/4	4,773.14	3/4	4,462.45	3/4	4,135.72	3/4	3,804.99	3/4	3,474.26	3/4	3,143.53	3/4	2,812.80
10		10		10	5,060.49	10	4,766.85	10	4,455.79	10	4,128.83	10	3,798.10	10	3,467.37	10	3,136.64	10	2,805.91
1/4		1/4		1/4	5,054.58	1/4	4,760.55	1/4	4,449.12	1/4	4,121.93	1/4	3,791.21	1/4	3,460.48	1/4	3,129.75	1/4	2,799.02
1/2		1/2		1/2	5,048.67	1/2	4,754.26	1/2	4,442.46	1/2	4,115.04	1/2	3,784.32	1/2	3,453.59	1/2	3,122.86	1/2	2,792.13
3/4		3/4		3/4	5,042.74	3/4	4,747.94	3/4	4,435.77	3/4	4,108.15	3/4	3,777.43	3/4	3,446.70	3/4	3,115.97	3/4	2,785.24
11		11		11	5,036.80	11	4,741.62	11	4,429.08	11	4,101.26	11	3,770.54	11	3,439.81	11	3,109.08	11	2,778.35
1/4		1/4		1/4	5,030.87	1/4	4,735.30	1/4	4,422.39	1/4	4,094.37	1/4	3,763.64	1/4	3,432.91	1/4	3,102.19	1/4	2,771.46
1/2		1/2		1/2	5,024.93	1/2	4,728.98	1/2	4,415.70	1/2	4,087.48	1/2	3,756.75	1/2	3,426.02	1/2	3,095.30	1/2	2,764.57
3/4		3/4		3/4	5,018.95	3/4	4,722.63	3/4	4,408.98	3/4	4,080.59	3/4	3,749.86	3/4	3,419.13	3/4	3,088.41	3/4	2,757.68

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29081"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 251"

GAUGE HEIGHT 18'-03 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	2,750.79	0	2,419.94	0	2,088.98	0	1,758.02	0	1,427.07	0	1,096.11	0	765.52	0	434.59	0	103.73	0	
1/4	2,743.89	1/4	2,413.04	1/4	2,082.09	1/4	1,751.13	1/4	1,420.18	1/4	1,089.22	1/4	758.63	1/4	427.70	1/4	96.85	1/4	
1/2	2,737.00	1/2	2,406.15	1/2	2,075.19	1/2	1,744.23	1/2	1,413.28	1/2	1,082.32	1/2	751.74	1/2	420.80	1/2	89.97	1/2	
3/4	2,730.11	3/4	2,399.26	3/4	2,068.30	3/4	1,737.34	3/4	1,406.39	3/4	1,075.43	3/4	744.85	3/4	413.91	3/4	83.28	3/4	
1	2,723.22	1	2,392.36	1	2,061.40	1	1,730.45	1	1,399.49	1	1,068.53	1	737.95	1	407.01	1	76.58	1	
1/4	2,716.33	1/4	2,385.47	1/4	2,054.51	1/4	1,723.55	1/4	1,392.60	1/4	1,061.64	1/4	731.06	1/4	400.12	1/4	69.89	1/4	
1/2	2,709.44	1/2	2,378.57	1/2	2,047.61	1/2	1,716.66	1/2	1,385.70	1/2	1,054.74	1/2	724.16	1/2	393.22	1/2	63.19	1/2	
3/4	2,702.55	3/4	2,371.68	3/4	2,040.72	3/4	1,709.77	3/4	1,378.81	3/4	1,047.85	3/4	717.27	3/4	386.33	3/4	57.33	3/4	
2	2,695.66	2	2,364.78	2	2,033.82	2	1,702.87	2	1,371.91	2	1,040.96	2	710.37	2	379.44	2	51.47	2	
1/4	2,688.77	1/4	2,357.89	1/4	2,026.93	1/4	1,695.98	1/4	1,365.02	1/4	1,034.06	1/4	703.48	1/4	372.54	1/4	45.61	1/4	
1/2	2,681.88	1/2	2,350.99	1/2	2,020.03	1/2	1,689.08	1/2	1,358.12	1/2	1,027.17	1/2	696.58	1/2	365.65	1/2	39.75	1/2	
3/4	2,674.99	3/4	2,344.10	3/4	2,013.14	3/4	1,682.19	3/4	1,351.23	3/4	1,020.29	3/4	689.69	3/4	358.76	3/4	35.27	3/4	
3	2,668.10	3	2,337.20	3	2,006.24	3	1,675.29	3	1,344.33	3	1,013.40	3	682.79	3	351.87	3	30.79	3	
1/4	2,661.21	1/4	2,330.31	1/4	1,999.35	1/4	1,668.40	1/4	1,337.44	1/4	1,006.52	1/4	675.90	1/4	344.97	1/4	26.31	1/4	
1/2	2,654.32	1/2	2,323.41	1/2	1,992.45	1/2	1,661.50	1/2	1,330.54	1/2	999.63	1/2	669.00	1/2	338.08	1/2	21.83	1/2	
3/4	2,647.43	3/4	2,316.52	3/4	1,985.56	3/4	1,654.61	3/4	1,323.65	3/4	992.75	3/4	662.11	3/4	331.19	3/4		3/4	
4	2,640.54	4	2,309.62	4	1,978.66	4	1,647.71	4	1,316.75	4	985.86	4	655.22	4	324.30	4		4	
1/4	2,633.65	1/4	2,302.73	1/4	1,971.77	1/4	1,640.82	1/4	1,309.86	1/4	978.98	1/4	648.32	1/4	317.40	1/4		1/4	
1/2	2,626.76	1/2	2,295.83	1/2	1,964.87	1/2	1,633.92	1/2	1,302.96	1/2	972.09	1/2	641.43	1/2	310.51	1/2		1/2	
3/4	2,619.87	3/4	2,288.94	3/4	1,957.98	3/4	1,627.03	3/4	1,296.07	3/4	965.21	3/4	634.54	3/4	303.62	3/4		3/4	
5	2,612.98	5	2,282.04	5	1,951.08	5	1,620.13	5	1,289.17	5	958.32	5	627.64	5	296.72	5		5	
1/4	2,606.09	1/4	2,275.15	1/4	1,944.19	1/4	1,613.24	1/4	1,282.28	1/4	951.44	1/4	620.75	1/4	289.83	1/4		1/4	
1/2	2,599.20	1/2	2,268.25	1/2	1,937.29	1/2	1,606.34	1/2	1,275.38	1/2	944.55	1/2	613.85	1/2	282.93	1/2		1/2	
3/4	2,592.31	3/4	2,261.36	3/4	1,930.40	3/4	1,599.45	3/4	1,268.49	3/4	937.66	3/4	606.96	3/4	276.04	3/4		3/4	
6	2,585.41	6	2,254.46	6	1,923.50	6	1,592.55	6	1,261.59	6	930.78	6	600.06	6	269.15	6		6	
1/4	2,578.52	1/4	2,247.57	1/4	1,916.61	1/4	1,585.66	1/4	1,254.70	1/4	923.89	1/4	593.17	1/4	262.25	1/4		1/4	
1/2	2,571.62	1/2	2,240.67	1/2	1,909.71	1/2	1,578.76	1/2	1,247.80	1/2	917.00	1/2	586.27	1/2	255.36	1/2		1/2	
3/4	2,564.73	3/4	2,233.78	3/4	1,902.82	3/4	1,571.87	3/4	1,240.91	3/4	910.12	3/4	579.38	3/4	248.47	3/4		3/4	
7	2,557.83	7	2,226.88	7	1,895.92	7	1,564.97	7	1,234.01	7	903.23	7	572.48	7	241.57	7		7	
1/4	2,550.94	1/4	2,219.99	1/4	1,889.03	1/4	1,558.08	1/4	1,227.12	1/4	896.35	1/4	565.59	1/4	234.68	1/4		1/4	
1/2	2,544.04	1/2	2,213.09	1/2	1,882.13	1/2	1,551.18	1/2	1,220.22	1/2	889.46	1/2	558.69	1/2	227.78	1/2		1/2	
3/4	2,537.15	3/4	2,206.20	3/4	1,875.24	3/4	1,544.29	3/4	1,213.33	3/4	882.58	3/4	551.80	3/4	220.89	3/4		3/4	
8	2,530.25	8	2,199.30	8	1,868.34	8	1,537.39	8	1,206.43	8	875.69	8	544.90	8	213.99	8		8	
1/4	2,523.36	1/4	2,192.41	1/4	1,861.45	1/4	1,530.50	1/4	1,199.54	1/4	868.81	1/4	538.01	1/4	207.10	1/4		1/4	
1/2	2,516.46	1/2	2,185.51	1/2	1,854.55	1/2	1,523.60	1/2	1,192.64	1/2	861.92	1/2	531.11	1/2	200.20	1/2		1/2	
3/4	2,509.57	3/4	2,178.62	3/4	1,847.66	3/4	1,516.71	3/4	1,185.75	3/4	855.03	3/4	524.22	3/4	193.31	3/4		3/4	
9	2,502.67	9	2,171.72	9	1,840.76	9	1,509.81	9	1,178.85	9	848.15	9	517.32	9	186.41	9		9	
1/4	2,495.78	1/4	2,164.83	1/4	1,833.87	1/4	1,502.92	1/4	1,171.96	1/4	841.26	1/4	510.43	1/4	179.52	1/4		1/4	
1/2	2,488.88	1/2	2,157.93	1/2	1,826.97	1/2	1,496.02	1/2	1,165.06	1/2	834.37	1/2	503.53	1/2	172.62	1/2		1/2	
3/4	2,481.99	3/4	2,151.04	3/4	1,820.08	3/4	1,489.13	3/4	1,158.17	3/4	827.49	3/4	496.64	3/4	165.73	3/4		3/4	
10	2,475.09	10	2,144.14	10	1,813.18	10	1,482.23	10	1,151.27	10	820.60	10	489.75	10	158.83	10		10	
1/4	2,468.20	1/4	2,137.25	1/4	1,806.29	1/4	1,475.34	1/4	1,144.38	1/4	813.72	1/4	482.85	1/4	151.94	1/4		1/4	
1/2	2,461.30	1/2	2,130.35	1/2	1,799.39	1/2	1,468.44	1/2	1,137.48	1/2	806.83	1/2	475.96	1/2	145.04	1/2		1/2	
3/4	2,454.41	3/4	2,123.46	3/4	1,792.50	3/4	1,461.55	3/4	1,130.59	3/4	799.95	3/4	469.07	3/4	138.15	3/4		3/4	
11	2,447.51	11	2,116.56	11	1,785.60	11	1,454.65	11	1,123.69	11	793.06	11	462.17	11	131.26	11		11	
1/4	2,440.62	1/4	2,109.67	1/4	1,778.71	1/4	1,447.76	1/4	1,116.80	1/4	786.18	1/4	455.28	1/4	124.37	1/4		1/4	
1/2	2,433.72	1/2	2,102.77	1/2	1,771.81	1/2	1,440.86	1/2	1,109.90	1/2	779.29	1/2	448.38	1/2	117.48	1/2		1/2	
3/4	2,426.83	3/4	2,095.88	3/4	1,764.92	3/4	1,433.97	3/4	1,103.01	3/4	772.40	3/4	441.49	3/4	110.60	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
NAME CHANGE: 06/05/2023 JS
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "KIRBY 29081"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 251"

GAUGE HEIGHT 18'-03"

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	4,966.28	0	4,637.36	0	4,306.96	0	3,976.16	0	3,645.35	0	3,314.54	0	2,983.74
1/4		1/4		1/4		1/4	4,959.43	1/4	4,630.51	1/4	4,300.07	1/4	3,969.27	1/4	3,638.46	1/4	3,307.65	1/4	2,976.85
1/2		1/2		1/2		1/2	4,952.58	1/2	4,623.66	1/2	4,293.18	1/2	3,962.38	1/2	3,631.57	1/2	3,300.76	1/2	2,969.96
3/4		3/4		3/4		3/4	4,945.72	3/4	4,616.80	3/4	4,286.28	3/4	3,955.48	3/4	3,624.67	3/4	3,293.87	3/4	2,963.06
1		1		1		1	4,938.87	1	4,609.95	1	4,279.39	1	3,948.59	1	3,617.78	1	3,286.98	1	2,956.17
1/4		1/4		1/4		1/4	4,932.02	1/4	4,603.10	1/4	4,272.50	1/4	3,941.70	1/4	3,610.89	1/4	3,280.09	1/4	2,949.28
1/2		1/2		1/2		1/2	4,925.17	1/2	4,596.25	1/2	4,265.61	1/2	3,934.81	1/2	3,604.00	1/2	3,273.20	1/2	2,942.39
3/4		3/4		3/4		3/4	4,918.31	3/4	4,589.39	3/4	4,258.72	3/4	3,927.91	3/4	3,597.10	3/4	3,266.30	3/4	2,935.49
2		2		2		2	4,911.46	2	4,582.54	2	4,251.83	2	3,921.02	2	3,590.21	2	3,259.41	2	2,928.60
1/4		1/4		1/4		1/4	4,904.61	1/4	4,575.67	1/4	4,244.94	1/4	3,914.13	1/4	3,583.32	1/4	3,252.52	1/4	2,921.71
1/2		1/2		1/2		1/2	4,897.76	1/2	4,568.81	1/2	4,238.05	1/2	3,907.24	1/2	3,576.43	1/2	3,245.63	1/2	2,914.82
3/4		3/4		3/4		3/4	4,890.90	3/4	4,561.94	3/4	4,231.15	3/4	3,900.34	3/4	3,569.54	3/4	3,238.73	3/4	2,907.92
3		3		3		3	4,884.05	3	4,555.07	3	4,224.26	3	3,893.45	3	3,562.65	3	3,231.84	3	2,901.03
1/4		1/4		1/4		1/4	4,877.20	1/4	4,548.18	1/4	4,217.37	1/4	3,886.56	1/4	3,555.76	1/4	3,224.95	1/4	2,894.14
1/2		1/2		1/2		1/2	4,870.35	1/2	4,541.29	1/2	4,210.48	1/2	3,879.67	1/2	3,548.87	1/2	3,218.06	1/2	2,887.25
3/4		3/4		3/4		3/4	4,863.49	3/4	4,534.39	3/4	4,203.58	3/4	3,872.78	3/4	3,541.97	3/4	3,211.16	3/4	2,880.36
4		4		4		4	4,856.64	4	4,527.50	4	4,196.69	4	3,865.89	4	3,535.08	4	3,204.27	4	2,873.47
1/4		1/4		1/4		1/4	4,849.79	1/4	4,520.61	1/4	4,189.80	1/4	3,859.00	1/4	3,528.19	1/4	3,197.38	1/4	2,866.58
1/2		1/2		1/2		1/2	4,842.94	1/2	4,513.72	1/2	4,182.91	1/2	3,852.11	1/2	3,521.30	1/2	3,190.49	1/2	2,859.69
3/4		3/4		3/4		3/4	4,836.08	3/4	4,506.82	3/4	4,176.02	3/4	3,845.21	3/4	3,514.40	3/4	3,183.60	3/4	2,852.79
5		5		5		5	4,829.23	5	4,499.93	5	4,169.13	5	3,838.32	5	3,507.51	5	3,176.71	5	2,845.90
1/4		1/4		1/4		1/4	4,822.38	1/4	4,493.04	1/4	4,162.24	1/4	3,831.43	1/4	3,500.62	1/4	3,169.82	1/4	2,839.01
1/2		1/2		1/2		1/2	4,815.53	1/2	4,486.15	1/2	4,155.35	1/2	3,824.54	1/2	3,493.73	1/2	3,162.93	1/2	2,832.12
3/4		3/4		3/4		3/4	4,808.67	3/4	4,479.25	3/4	4,148.45	3/4	3,817.64	3/4	3,486.84	3/4	3,156.03	3/4	2,825.22
6		6		6		6	4,801.82	6	4,472.36	6	4,141.56	6	3,810.75	6	3,479.95	6	3,149.14	6	2,818.33
1/4		1/4		1/4		1/4	4,794.97	1/4	4,465.47	1/4	4,134.67	1/4	3,803.86	1/4	3,473.06	1/4	3,142.25	1/4	2,811.44
1/2		1/2		1/2	5,110.44	1/2	4,788.12	1/2	4,458.58	1/2	4,127.78	1/2	3,796.97	1/2	3,466.17	1/2	3,135.36	1/2	2,804.55
3/4		3/4		3/4	5,105.34	3/4	4,781.26	3/4	4,451.69	3/4	4,120.88	3/4	3,790.07	3/4	3,459.27	3/4	3,128.46	3/4	2,797.66
7		7		7	5,100.23	7	4,774.41	7	4,444.80	7	4,113.99	7	3,783.18	7	3,452.38	7	3,121.57	7	2,790.77
1/4		1/4		1/4	5,093.95	1/4	4,767.56	1/4	4,437.91	1/4	4,107.10	1/4	3,776.29	1/4	3,445.49	1/4	3,114.68	1/4	2,783.88
1/2		1/2		1/2	5,087.67	1/2	4,760.71	1/2	4,431.02	1/2	4,100.21	1/2	3,769.40	1/2	3,438.60	1/2	3,107.79	1/2	2,776.99
3/4		3/4		3/4	5,081.38	3/4	4,753.85	3/4	4,424.12	3/4	4,093.31	3/4	3,762.51	3/4	3,431.70	3/4	3,100.89	3/4	2,770.09
8		8		8	5,075.10	8	4,747.00	8	4,417.23	8	4,086.42	8	3,755.62	8	3,424.81	8	3,094.00	8	2,763.20
1/4		1/4		1/4	5,068.30	1/4	4,740.15	1/4	4,410.34	1/4	4,079.53	1/4	3,748.73	1/4	3,417.92	1/4	3,087.11	1/4	2,756.31
1/2		1/2		1/2	5,061.50	1/2	4,733.30	1/2	4,403.45	1/2	4,072.64	1/2	3,741.84	1/2	3,411.03	1/2	3,080.22	1/2	2,749.42
3/4		3/4		3/4	5,054.70	3/4	4,726.44	3/4	4,396.55	3/4	4,065.75	3/4	3,734.94	3/4	3,404.13	3/4	3,073.33	3/4	2,742.52
9		9		9	5,047.90	9	4,719.59	9	4,389.66	9	4,058.86	9	3,728.05	9	3,397.24	9	3,066.44	9	2,735.63
1/4		1/4		1/4	5,041.10	1/4	4,712.74	1/4	4,382.77	1/4	4,051.97	1/4	3,721.16	1/4	3,390.35	1/4	3,059.50	1/4	2,728.74
1/2		1/2		1/2	5,034.31	1/2	4,705.89	1/2	4,375.88	1/2	4,045.08	1/2	3,714.27	1/2	3,383.46	1/2	3,052.56	1/2	2,721.85
3/4		3/4		3/4	5,027.51	3/4	4,699.03	3/4	4,368.99	3/4	4,038.18	3/4	3,707.37	3/4	3,376.57	3/4	3,045.61	3/4	2,714.95
10		10		10	5,020.71	10	4,692.18	10	4,362.10	10	4,031.29	10	3,700.48	10	3,369.68	10	3,038.67	10	2,708.06
1/4		1/4		1/4	5,013.91	1/4	4,685.33	1/4	4,355.21	1/4	4,024.40	1/4	3,693.59	1/4	3,362.79	1/4	3,031.83	1/4	2,701.17
1/2		1/2		1/2	5,007.12	1/2	4,678.48	1/2	4,348.32	1/2	4,017.51	1/2	3,686.70	1/2	3,355.90	1/2	3,024.99	1/2	2,694.28
3/4		3/4		3/4	5,000.32	3/4	4,671.62	3/4	4,341.42	3/4	4,010.61	3/4	3,679.81	3/4	3,349.00	3/4	3,018.14	3/4	2,687.39
11		11		11	4,993.52	11	4,664.77	11	4,334.53	11	4,003.72	11	3,672.92	11	3,342.11	11	3,011.30	11	2,680.50
1/4		1/4		1/4	4,986.71	1/4	4,657.92	1/4	4,327.64	1/4	3,996.83	1/4	3,666.03	1/4	3,335.22	1/4	3,004.41	1/4	2,673.61
1/2		1/2		1/2	4,979.90	1/2	4,651.07	1/2	4,320.75	1/2	3,989.94	1/2	3,659.14	1/2	3,328.33	1/2	2,997.52	1/2	2,666.72
3/4		3/4		3/4	4,973.09	3/4	4,644.21	3/4	4,313.85	3/4	3,983.05	3/4	3,652.24	3/4	3,321.43	3/4	2,990.63	3/4	2,659.82

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 GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" 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 29081"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 251"

GAUGE HEIGHT 18'-03"

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	2,652.93	0	2,321.98	0	1,990.95	0	1,659.92	0	1,328.89	0	997.85	0	702.05	0	403.53	0	88.16	0	
1/4	2,646.04	1/4	2,315.09	1/4	1,984.05	1/4	1,653.02	1/4	1,321.99	1/4	991.05	1/4	696.23	1/4	397.11	1/4	81.61	1/4	
1/2	2,639.15	1/2	2,308.19	1/2	1,977.16	1/2	1,646.13	1/2	1,315.10	1/2	984.24	1/2	690.41	1/2	390.69	1/2	75.06	1/2	
3/4	2,632.25	3/4	2,301.30	3/4	1,970.26	3/4	1,639.23	3/4	1,308.20	3/4	977.44	3/4	684.59	3/4	384.26	3/4	68.50	3/4	
1	2,625.36	1	2,294.40	1	1,963.36	1	1,632.33	1	1,301.30	1	970.63	1	678.77	1	377.84	1	61.95	1	
1/4	2,618.47	1/4	2,287.50	1/4	1,956.47	1/4	1,625.44	1/4	1,294.40	1/4	964.10	1/4	672.65	1/4	371.39	1/4	56.21	1/4	
1/2	2,611.58	1/2	2,280.61	1/2	1,949.57	1/2	1,618.54	1/2	1,287.51	1/2	957.56	1/2	666.54	1/2	364.95	1/2	50.47	1/2	
3/4	2,604.69	3/4	2,273.71	3/4	1,942.68	3/4	1,611.65	3/4	1,280.61	3/4	951.03	3/4	660.42	3/4	358.50	3/4	44.72	3/4	
2	2,597.80	2	2,266.81	2	1,935.78	2	1,604.75	2	1,273.71	2	944.49	2	654.30	2	352.05	2	38.98	2	
1/4	2,590.91	1/4	2,259.91	1/4	1,928.88	1/4	1,597.85	1/4	1,266.82	1/4	937.96	1/4	648.16	1/4	345.58	1/4	34.59	1/4	
1/2	2,584.02	1/2	2,253.02	1/2	1,921.99	1/2	1,590.96	1/2	1,259.92	1/2	931.44	1/2	642.01	1/2	339.11	1/2	30.20	1/2	
3/4	2,577.12	3/4	2,246.12	3/4	1,915.09	3/4	1,584.06	3/4	1,253.03	3/4	924.91	3/4	635.87	3/4	332.63	3/4	25.80	3/4	
3	2,570.23	3	2,239.22	3	1,908.19	3	1,577.16	3	1,246.13	3	918.38	3	629.72	3	326.16	3	21.41	3	
1/4	2,563.34	1/4	2,232.33	1/4	1,901.30	1/4	1,570.26	1/4	1,239.23	1/4	911.85	1/4	623.55	1/4	319.66	1/4		1/4	
1/2	2,556.45	1/2	2,225.43	1/2	1,894.40	1/2	1,563.37	1/2	1,232.34	1/2	905.32	1/2	617.38	1/2	313.16	1/2		1/2	
3/4	2,549.55	3/4	2,218.54	3/4	1,887.51	3/4	1,556.47	3/4	1,225.44	3/4	898.79	3/4	611.20	3/4	306.66	3/4		3/4	
4	2,542.66	4	2,211.64	4	1,880.61	4	1,549.57	4	1,218.54	4	892.26	4	605.03	4	300.16	4		4	
1/4	2,535.77	1/4	2,204.74	1/4	1,873.71	1/4	1,542.68	1/4	1,211.65	1/4	885.73	1/4	598.83	1/4	293.63	1/4		1/4	
1/2	2,528.87	1/2	2,197.85	1/2	1,866.82	1/2	1,535.78	1/2	1,204.75	1/2	879.20	1/2	592.63	1/2	287.10	1/2		1/2	
3/4	2,521.98	3/4	2,190.95	3/4	1,859.92	3/4	1,528.89	3/4	1,197.86	3/4	872.67	3/4	586.43	3/4	280.56	3/4		3/4	
5	2,515.08	5	2,184.05	5	1,853.02	5	1,521.99	5	1,190.96	5	866.14	5	580.23	5	274.03	5		5	
1/4	2,508.19	1/4	2,177.16	1/4	1,846.12	1/4	1,515.09	1/4	1,184.06	1/4	859.61	1/4	574.00	1/4	267.47	1/4		1/4	
1/2	2,501.29	1/2	2,170.26	1/2	1,839.23	1/2	1,508.20	1/2	1,177.17	1/2	853.09	1/2	567.77	1/2	260.92	1/2		1/2	
3/4	2,494.40	3/4	2,163.37	3/4	1,832.33	3/4	1,501.30	3/4	1,170.27	3/4	846.56	3/4	561.54	3/4	254.36	3/4		3/4	
6	2,487.50	6	2,156.47	6	1,825.43	6	1,494.40	6	1,163.37	6	840.03	6	555.31	6	247.80	6		6	
1/4	2,480.60	1/4	2,149.57	1/4	1,818.54	1/4	1,487.51	1/4	1,156.47	1/4	833.74	1/4	549.06	1/4	241.21	1/4		1/4	
1/2	2,473.71	1/2	2,142.68	1/2	1,811.64	1/2	1,480.61	1/2	1,149.58	1/2	827.45	1/2	542.80	1/2	234.63	1/2		1/2	
3/4	2,466.81	3/4	2,135.78	3/4	1,804.75	3/4	1,473.72	3/4	1,142.68	3/4	821.15	3/4	536.55	3/4	228.04	3/4		3/4	
7	2,459.91	7	2,128.88	7	1,797.85	7	1,466.82	7	1,135.78	7	814.86	7	530.29	7	221.45	7		7	
1/4	2,453.02	1/4	2,121.98	1/4	1,790.95	1/4	1,459.92	1/4	1,128.89	1/4	809.28	1/4	524.01	1/4	214.84	1/4		1/4	
1/2	2,446.12	1/2	2,115.09	1/2	1,784.06	1/2	1,453.03	1/2	1,121.99	1/2	803.69	1/2	517.73	1/2	208.23	1/2		1/2	
3/4	2,439.23	3/4	2,108.19	3/4	1,777.16	3/4	1,446.13	3/4	1,115.10	3/4	798.11	3/4	511.44	3/4	201.61	3/4		3/4	
8	2,432.33	8	2,101.29	8	1,770.26	8	1,439.23	8	1,108.20	8	792.52	8	505.16	8	195.00	8		8	
1/4	2,425.43	1/4	2,094.40	1/4	1,763.37	1/4	1,432.33	1/4	1,101.30	1/4	786.91	1/4	498.85	1/4	188.36	1/4		1/4	
1/2	2,418.54	1/2	2,087.50	1/2	1,756.47	1/2	1,425.44	1/2	1,094.41	1/2	781.30	1/2	492.54	1/2	181.72	1/2		1/2	
3/4	2,411.64	3/4	2,080.61	3/4	1,749.58	3/4	1,418.54	3/4	1,087.51	3/4	775.68	3/4	486.23	3/4	175.07	3/4		3/4	
9	2,404.74	9	2,073.71	9	1,742.68	9	1,411.64	9	1,080.61	9	770.07	9	479.92	9	168.43	9		9	
1/4	2,397.84	1/4	2,066.81	1/4	1,735.78	1/4	1,404.75	1/4	1,073.72	1/4	764.43	1/4	473.58	1/4	161.76	1/4		1/4	
1/2	2,390.95	1/2	2,059.92	1/2	1,728.89	1/2	1,397.85	1/2	1,066.82	1/2	758.79	1/2	467.24	1/2	155.10	1/2		1/2	
3/4	2,384.05	3/4	2,053.02	3/4	1,721.99	3/4	1,390.96	3/4	1,059.93	3/4	753.15	3/4	460.90	3/4	148.43	3/4		3/4	
10	2,377.15	10	2,046.12	10	1,715.09	10	1,384.06	10	1,053.03	10	747.51	10	454.56	10	141.76	10		10	
1/4	2,370.26	1/4	2,039.23	1/4	1,708.19	1/4	1,377.16	1/4	1,046.13	1/4	741.84	1/4	448.20	1/4	135.07	1/4		1/4	
1/2	2,363.36	1/2	2,032.33	1/2	1,701.30	1/2	1,370.27	1/2	1,039.24	1/2	736.18	1/2	441.83	1/2	128.38	1/2		1/2	
3/4	2,356.47	3/4	2,025.44	3/4	1,694.40	3/4	1,363.37	3/4	1,032.34	3/4	730.51	3/4	435.47	3/4	121.68	3/4		3/4	
11	2,349.57	11	2,018.54	11	1,687.50	11	1,356.47	11	1,025.44	11	724.84	11	429.10	11	114.99	11		11	
1/4	2,342.67	1/4	2,011.64	1/4	1,680.61	1/4	1,349.58	1/4	1,018.54	1/4	719.14	1/4	422.71	1/4	108.28	1/4		1/4	
1/2	2,335.78	1/2	2,004.75	1/2	1,673.71	1/2	1,342.68	1/2	1,011.65	1/2	713.45	1/2	416.32	1/2	101.58	1/2		1/2	
3/4	2,328.88	3/4	1,997.85	3/4	1,666.82	3/4	1,335.79	3/4	1,004.75	3/4	707.75	3/4	409.92	3/4	94.87	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
NAME CHANGE: 06/05/2023 JS
VERIFIED: 06/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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



BARGE "KIRBY 29081"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 251"

GAUGE HEIGHT 18'-03 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	4,557.61	0	4,354.11	0	4,138.23	0	3,912.18	0	3,684.63	0	3,399.72	0	3,070.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,553.53	1/4	4,349.76	1/4	4,133.60	1/4	3,907.43	1/4	3,679.89	1/4	3,392.86	1/4	3,063.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,549.44	1/2	4,345.40	1/2	4,128.98	1/2	3,902.69	1/2	3,675.15	1/2	3,385.99	1/2	3,056.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,545.29	3/4	4,341.03	3/4	4,124.34	3/4	3,897.95	3/4	3,670.41	3/4	3,378.99	3/4	3,049.59
1	1	1	1	1	1	1	4,541.15	1	4,336.66	1	4,119.70	1	3,893.21	1	3,665.67	1	3,372.00	1	3,042.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,537.00	1/4	4,332.28	1/4	4,115.06	1/4	3,888.47	1/4	3,660.93	1/4	3,365.00	1/4	3,035.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,532.85	1/2	4,327.91	1/2	4,110.42	1/2	3,883.73	1/2	3,656.19	1/2	3,358.00	1/2	3,028.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,528.69	3/4	4,323.52	3/4	4,105.76	3/4	3,878.99	3/4	3,651.45	3/4	3,351.27	3/4	3,022.13
2	2	2	2	2	2	2	4,524.52	2	4,319.12	2	4,101.10	2	3,874.25	2	3,646.71	2	3,344.54	2	3,015.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,520.36	1/4	4,314.73	1/4	4,096.44	1/4	3,869.51	1/4	3,641.97	1/4	3,337.80	1/4	3,008.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,516.19	1/2	4,310.33	1/2	4,091.78	1/2	3,864.77	1/2	3,637.23	1/2	3,331.07	1/2	3,001.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,512.01	3/4	4,305.91	3/4	4,087.10	3/4	3,860.03	3/4	3,632.49	3/4	3,324.20	3/4	2,994.66
3	3	3	3	3	3	3	4,507.82	3	4,301.49	3	4,082.42	3	3,855.29	3	3,627.75	3	3,317.34	3	2,987.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,503.64	1/4	4,297.07	1/4	4,077.74	1/4	3,850.55	1/4	3,623.00	1/4	3,310.47	1/4	2,980.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,499.45	1/2	4,292.65	1/2	4,073.06	1/2	3,845.81	1/2	3,618.26	1/2	3,303.60	1/2	2,974.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,495.25	3/4	4,288.18	3/4	4,068.36	3/4	3,841.07	3/4	3,613.52	3/4	3,296.74	3/4	2,967.20
4	4	4	4	4	4	4	4,491.05	4	4,283.71	4	4,063.67	4	3,836.33	4	3,608.78	4	3,289.87	4	2,960.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,486.84	1/4	4,279.23	1/4	4,058.97	1/4	3,831.59	1/4	3,604.04	1/4	3,283.01	1/4	2,953.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,482.64	1/2	4,274.76	1/2	4,054.27	1/2	3,826.85	1/2	3,599.30	1/2	3,276.14	1/2	2,946.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,478.42	3/4	4,270.27	3/4	4,049.56	3/4	3,822.11	3/4	3,594.03	3/4	3,269.28	3/4	2,939.74
5	5	5	5	5	5	5	4,474.20	5	4,265.79	5	4,044.84	5	3,817.37	5	3,588.76	5	3,262.41	5	2,932.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,469.97	1/4	4,261.30	1/4	4,040.13	1/4	3,812.62	1/4	3,583.49	1/4	3,255.55	1/4	2,926.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,465.75	1/2	4,256.81	1/2	4,035.41	1/2	3,807.88	1/2	3,578.22	1/2	3,248.68	1/2	2,919.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,461.51	3/4	4,252.30	3/4	4,030.68	3/4	3,803.14	3/4	3,571.36	3/4	3,241.82	3/4	2,912.28
6	6	6	6	6	6	6	4,457.27	6	4,247.79	6	4,025.94	6	3,798.40	6	3,564.49	6	3,234.95	6	2,905.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,453.03	1/4	4,243.28	1/4	4,021.21	1/4	3,793.66	1/4	3,557.63	1/4	3,228.09	1/4	2,898.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,448.79	1/2	4,238.77	1/2	4,016.47	1/2	3,788.92	1/2	3,550.76	1/2	3,221.22	1/2	2,891.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,444.53	3/4	4,234.25	3/4	4,011.73	3/4	3,784.18	3/4	3,543.90	3/4	3,214.36	3/4	2,884.82
7	7	7	7	7	7	7	4,440.27	7	4,229.72	7	4,006.99	7	3,779.44	7	3,537.03	7	3,207.49	7	2,877.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,436.00	1/4	4,225.20	1/4	4,002.24	1/4	3,774.70	1/4	3,530.17	1/4	3,200.63	1/4	2,871.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,431.74	1/2	4,220.67	1/2	3,997.50	1/2	3,769.96	1/2	3,523.30	1/2	3,193.76	1/2	2,864.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,427.46	3/4	4,216.12	3/4	3,992.76	3/4	3,765.22	3/4	3,516.43	3/4	3,186.90	3/4	2,857.36
8	8	8	8	8	8	8	4,423.19	8	4,211.58	8	3,988.02	8	3,760.48	8	3,509.57	8	3,180.03	8	2,850.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,418.91	1/4	4,207.03	1/4	3,983.28	1/4	3,755.74	1/4	3,502.70	1/4	3,173.17	1/4	2,843.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,414.63	1/2	4,202.48	1/2	3,978.54	1/2	3,751.00	1/2	3,495.83	1/2	3,166.30	1/2	2,836.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,410.33	3/4	4,197.92	3/4	3,973.80	3/4	3,746.26	3/4	3,488.97	3/4	3,159.43	3/4	2,829.89
9	9	9	9	9	9	9	4,406.03	9	4,193.35	9	3,969.06	9	3,741.52	9	3,482.10	9	3,152.57	9	2,823.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,401.73	1/4	4,188.79	1/4	3,964.32	1/4	3,736.78	1/4	3,475.24	1/4	3,145.70	1/4	2,816.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,397.43	1/2	4,184.22	1/2	3,959.58	1/2	3,732.04	1/2	3,468.37	1/2	3,138.83	1/2	2,809.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,393.12	3/4	4,179.64	3/4	3,954.84	3/4	3,727.30	3/4	3,461.51	3/4	3,131.97	3/4	2,802.43
10	10	10	10	10	10	10	4,388.80	10	4,175.05	10	3,950.10	10	3,722.56	10	3,454.64	10	3,125.10	10	2,795.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,384.49	1/4	4,170.47	1/4	3,945.36	1/4	3,717.81	1/4	3,447.78	1/4	3,118.24	1/4	2,788.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,380.17	1/2	4,165.88	1/2	3,940.62	1/2	3,713.07	1/2	3,440.91	1/2	3,111.37	1/2	2,781.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,375.83	3/4	4,161.28	3/4	3,935.88	3/4	3,708.33	3/4	3,434.05	3/4	3,104.51	3/4	2,774.97
11	11	11	11	11	11	11	4,371.50	11	4,156.68	11	3,931.14	11	3,703.59	11	3,427.18	11	3,097.64	11	2,768.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,367.16	1/4	4,152.07	1/4	3,926.40	1/4	3,698.85	1/4	3,420.32	1/4	3,090.78	1/4	2,761.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,362.82	1/2	4,147.47	1/2	3,921.66	1/2	3,694.11	1/2	3,413.45	1/2	3,083.91	1/2	2,754.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,358.47	3/4	4,142.85	3/4	3,916.92	3/4	3,689.37	3/4	3,406.59	3/4	3,077.05	3/4	2,747.51

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-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 29081"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 251"

GAUGE HEIGHT 18'-03 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	2,740.64	0	2,410.98	0	2,081.23	0	1,751.57	0	1,421.81	0	1,092.05	0	762.75	0	433.02	0	103.36	0	
1/4	2,733.78	1/4	2,404.11	1/4	2,074.36	1/4	1,744.70	1/4	1,414.94	1/4	1,085.18	1/4	755.89	1/4	426.15	1/4	96.50	1/4	
1/2	2,726.91	1/2	2,397.24	1/2	2,067.49	1/2	1,737.83	1/2	1,408.07	1/2	1,078.31	1/2	749.03	1/2	419.28	1/2	89.65	1/2	
3/4	2,720.05	3/4	2,390.37	3/4	2,060.63	3/4	1,730.96	3/4	1,401.20	3/4	1,071.44	3/4	742.16	3/4	412.41	3/4	82.98	3/4	
1	2,713.18	1	2,383.50	1	2,053.76	1	1,724.09	1	1,394.33	1	1,064.57	1	735.29	1	405.54	1	76.31	1	
1/4	2,706.32	1/4	2,376.63	1/4	2,046.90	1/4	1,717.22	1/4	1,387.46	1/4	1,057.70	1/4	728.42	1/4	398.67	1/4	69.63	1/4	
1/2	2,699.45	1/2	2,369.76	1/2	2,040.03	1/2	1,710.35	1/2	1,380.59	1/2	1,050.83	1/2	721.55	1/2	391.80	1/2	62.96	1/2	
3/4	2,692.59	3/4	2,362.89	3/4	2,033.16	3/4	1,703.48	3/4	1,373.72	3/4	1,043.97	3/4	714.68	3/4	384.93	3/4	57.12	3/4	
2	2,685.72	2	2,356.02	2	2,026.30	2	1,696.61	2	1,366.85	2	1,037.10	2	707.81	2	378.07	2	51.29	2	
1/4	2,678.86	1/4	2,349.15	1/4	2,019.43	1/4	1,689.74	1/4	1,359.98	1/4	1,030.24	1/4	700.94	1/4	371.20	1/4	45.45	1/4	
1/2	2,671.99	1/2	2,342.28	1/2	2,012.56	1/2	1,682.87	1/2	1,353.11	1/2	1,023.37	1/2	694.07	1/2	364.33	1/2	39.61	1/2	
3/4	2,665.13	3/4	2,335.41	3/4	2,005.70	3/4	1,676.00	3/4	1,346.24	3/4	1,016.51	3/4	687.20	3/4	357.46	3/4	35.15	3/4	
3	2,658.26	3	2,328.54	3	1,998.83	3	1,669.13	3	1,339.37	3	1,009.65	3	680.33	3	350.60	3	30.69	3	
1/4	2,651.40	1/4	2,321.67	1/4	1,991.97	1/4	1,662.26	1/4	1,332.50	1/4	1,002.79	1/4	673.46	1/4	343.73	1/4	26.22	1/4	
1/2	2,644.53	1/2	2,314.80	1/2	1,985.10	1/2	1,655.39	1/2	1,325.63	1/2	995.93	1/2	666.59	1/2	336.86	1/2	21.76	1/2	
3/4	2,637.66	3/4	2,307.93	3/4	1,978.23	3/4	1,648.52	3/4	1,318.76	3/4	989.07	3/4	659.72	3/4	330.00	3/4		3/4	
4	2,630.80	4	2,301.06	4	1,971.37	4	1,641.65	4	1,311.89	4	982.22	4	652.85	4	323.13	4		4	
1/4	2,623.93	1/4	2,294.19	1/4	1,964.50	1/4	1,634.78	1/4	1,305.02	1/4	975.36	1/4	645.98	1/4	316.27	1/4		1/4	
1/2	2,617.06	1/2	2,287.32	1/2	1,957.63	1/2	1,627.91	1/2	1,298.15	1/2	968.50	1/2	639.11	1/2	309.40	1/2		1/2	
3/4	2,610.20	3/4	2,280.45	3/4	1,950.77	3/4	1,621.04	3/4	1,291.28	3/4	961.64	3/4	632.24	3/4	302.53	3/4		3/4	
5	2,603.33	5	2,273.58	5	1,943.90	5	1,614.17	5	1,284.41	5	954.79	5	625.38	5	295.66	5		5	
1/4	2,596.47	1/4	2,266.71	1/4	1,937.04	1/4	1,607.30	1/4	1,277.54	1/4	947.93	1/4	618.51	1/4	288.79	1/4		1/4	
1/2	2,589.60	1/2	2,259.84	1/2	1,930.17	1/2	1,600.43	1/2	1,270.67	1/2	941.07	1/2	611.64	1/2	281.92	1/2		1/2	
3/4	2,582.73	3/4	2,252.97	3/4	1,923.30	3/4	1,593.56	3/4	1,263.80	3/4	934.21	3/4	604.77	3/4	275.05	3/4		3/4	
6	2,575.86	6	2,246.10	6	1,916.44	6	1,586.69	6	1,256.93	6	927.36	6	597.90	6	268.18	6		6	
1/4	2,568.99	1/4	2,239.23	1/4	1,909.57	1/4	1,579.82	1/4	1,250.06	1/4	920.50	1/4	591.03	1/4	261.31	1/4		1/4	
1/2	2,562.12	1/2	2,232.36	1/2	1,902.70	1/2	1,572.95	1/2	1,243.19	1/2	913.64	1/2	584.16	1/2	254.44	1/2		1/2	
3/4	2,555.25	3/4	2,225.49	3/4	1,895.83	3/4	1,566.08	3/4	1,236.32	3/4	906.78	3/4	577.29	3/4	247.57	3/4		3/4	
7	2,548.38	7	2,218.62	7	1,888.97	7	1,559.21	7	1,229.45	7	899.92	7	570.42	7	240.70	7		7	
1/4	2,541.51	1/4	2,211.75	1/4	1,882.10	1/4	1,552.34	1/4	1,222.58	1/4	893.06	1/4	563.55	1/4	233.83	1/4		1/4	
1/2	2,534.64	1/2	2,204.88	1/2	1,875.23	1/2	1,545.47	1/2	1,215.71	1/2	886.20	1/2	556.68	1/2	226.96	1/2		1/2	
3/4	2,527.77	3/4	2,198.01	3/4	1,868.36	3/4	1,538.60	3/4	1,208.84	3/4	879.34	3/4	549.81	3/4	220.09	3/4		3/4	
8	2,520.90	8	2,191.14	8	1,861.49	8	1,531.73	8	1,201.97	8	872.49	8	542.94	8	213.22	8		8	
1/4	2,514.03	1/4	2,184.27	1/4	1,854.62	1/4	1,524.86	1/4	1,195.10	1/4	865.63	1/4	536.07	1/4	206.35	1/4		1/4	
1/2	2,507.16	1/2	2,177.40	1/2	1,847.75	1/2	1,517.99	1/2	1,188.23	1/2	858.77	1/2	529.20	1/2	199.48	1/2		1/2	
3/4	2,500.29	3/4	2,170.53	3/4	1,840.88	3/4	1,511.12	3/4	1,181.36	3/4	851.91	3/4	522.33	3/4	192.61	3/4		3/4	
9	2,493.42	9	2,163.66	9	1,834.01	9	1,504.25	9	1,174.49	9	845.06	9	515.46	9	185.74	9		9	
1/4	2,486.55	1/4	2,156.79	1/4	1,827.14	1/4	1,497.38	1/4	1,167.62	1/4	838.20	1/4	508.59	1/4	178.87	1/4		1/4	
1/2	2,479.68	1/2	2,149.92	1/2	1,820.27	1/2	1,490.51	1/2	1,160.75	1/2	831.34	1/2	501.72	1/2	172.00	1/2		1/2	
3/4	2,472.81	3/4	2,143.05	3/4	1,813.40	3/4	1,483.64	3/4	1,153.88	3/4	824.48	3/4	494.85	3/4	165.13	3/4		3/4	
10	2,465.94	10	2,136.18	10	1,806.53	10	1,476.77	10	1,147.01	10	817.63	10	487.98	10	158.26	10		10	
1/4	2,459.07	1/4	2,129.31	1/4	1,799.66	1/4	1,469.90	1/4	1,140.14	1/4	810.77	1/4	481.11	1/4	151.39	1/4		1/4	
1/2	2,452.20	1/2	2,122.44	1/2	1,792.79	1/2	1,463.03	1/2	1,133.27	1/2	803.91	1/2	474.24	1/2	144.52	1/2		1/2	
3/4	2,445.33	3/4	2,115.57	3/4	1,785.92	3/4	1,456.16	3/4	1,126.40	3/4	797.05	3/4	467.37	3/4	137.66	3/4		3/4	
11	2,438.46	11	2,108.70	11	1,779.05	11	1,449.29	11	1,119.53	11	790.19	11	460.50	11	130.79	11		11	
1/4	2,431.59	1/4	2,101.83	1/4	1,772.18	1/4	1,442.42	1/4	1,112.66	1/4	783.33	1/4	453.63	1/4	123.93	1/4		1/4	
1/2	2,424.72	1/2	2,094.96	1/2	1,765.31	1/2	1,435.55	1/2	1,105.79	1/2	776.47	1/2	446.76	1/2	117.06	1/2		1/2	
3/4	2,417.85	3/4	2,088.09	3/4	1,758.44	3/4	1,428.68	3/4	1,098.92	3/4	769.61	3/4	439.89	3/4	110.21	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
NAME CHANGE: 06/05/2023 JS
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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



BARGE "KIRBY 29081"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 251"

GAUGE HEIGHT 18'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,527.55	0	4,323.83	0	4,107.73	0	3,881.62	0	3,654.13	0	3,367.41	0	3,039.13
1/4	1/4	1/4		1/4		1/4	4,523.46	1/4	4,319.47	1/4	4,103.11	1/4	3,876.88	1/4	3,649.39	1/4	3,360.56	1/4	3,032.32
1/2	1/2	1/2		1/2		1/2	4,519.32	1/2	4,315.10	1/2	4,098.47	1/2	3,872.14	1/2	3,644.65	1/2	3,353.71	1/2	3,025.51
3/4	3/4	3/4		3/4		3/4	4,515.17	3/4	4,310.73	3/4	4,093.83	3/4	3,867.40	3/4	3,639.91	3/4	3,346.87	3/4	3,018.70
1	1	1		1		1	4,511.03	1	4,306.35	1	4,089.19	1	3,862.66	1	3,635.17	1	3,340.02	1	3,011.88
1/4	1/4	1/4		1/4		1/4	4,506.88	1/4	4,301.98	1/4	4,084.55	1/4	3,857.92	1/4	3,630.43	1/4	3,333.17	1/4	3,005.07
1/2	1/2	1/2		1/2		1/2	4,502.72	1/2	4,297.59	1/2	4,079.89	1/2	3,853.18	1/2	3,625.69	1/2	3,326.32	1/2	2,998.26
3/4	3/4	3/4		3/4		3/4	4,498.55	3/4	4,293.20	3/4	4,075.23	3/4	3,848.44	3/4	3,620.95	3/4	3,319.47	3/4	2,991.45
2	2	2		2		2	4,494.39	2	4,288.80	2	4,070.57	2	3,843.70	2	3,616.21	2	3,312.62	2	2,984.63
1/4	1/4	1/4		1/4		1/4	4,490.22	1/4	4,284.41	1/4	4,065.91	1/4	3,838.96	1/4	3,611.47	1/4	3,305.77	1/4	2,977.82
1/2	1/2	1/2		1/2		1/2	4,486.04	1/2	4,279.99	1/2	4,061.23	1/2	3,834.22	1/2	3,606.73	1/2	3,298.92	1/2	2,971.00
3/4	3/4	3/4		3/4		3/4	4,481.86	3/4	4,275.57	3/4	4,056.56	3/4	3,829.49	3/4	3,601.99	3/4	3,292.08	3/4	2,964.18
3	3	3		3		3	4,477.67	3	4,271.15	3	4,051.88	3	3,824.75	3	3,597.25	3	3,285.23	3	2,957.36
1/4	1/4	1/4		1/4		1/4	4,473.49	1/4	4,266.73	1/4	4,047.20	1/4	3,820.01	1/4	3,592.51	1/4	3,278.38	1/4	2,950.54
1/2	1/2	1/2		1/2		1/2	4,469.29	1/2	4,262.26	1/2	4,042.51	1/2	3,815.27	1/2	3,587.77	1/2	3,271.53	1/2	2,943.69
3/4	3/4	3/4		3/4		3/4	4,465.09	3/4	4,257.79	3/4	4,037.81	3/4	3,810.53	3/4	3,583.04	3/4	3,264.69	3/4	2,936.85
4	4	4		4		4	4,460.88	4	4,253.32	4	4,033.12	4	3,805.79	4	3,578.30	4	3,257.84	4	2,930.00
1/4	1/4	1/4		1/4		1/4	4,456.68	1/4	4,248.85	1/4	4,028.42	1/4	3,801.05	1/4	3,573.56	1/4	3,250.99	1/4	2,923.15
1/2	1/2	1/2		1/2		1/2	4,452.46	1/2	4,244.36	1/2	4,023.70	1/2	3,796.31	1/2	3,568.29	1/2	3,244.14	1/2	2,916.30
3/4	3/4	3/4		3/4		3/4	4,448.24	3/4	4,239.88	3/4	4,018.99	3/4	3,791.57	3/4	3,563.02	3/4	3,237.30	3/4	2,909.46
5	5	5		5		5	4,444.01	5	4,235.39	5	4,014.27	5	3,786.83	5	3,557.74	5	3,230.45	5	2,902.61
1/4	1/4	1/4		1/4		1/4	4,439.79	1/4	4,230.90	1/4	4,009.55	1/4	3,782.09	1/4	3,552.47	1/4	3,223.60	1/4	2,895.76
1/2	1/2	1/2		1/2		1/2	4,435.55	1/2	4,226.39	1/2	4,004.82	1/2	3,777.35	1/2	3,545.61	1/2	3,216.75	1/2	2,888.91
3/4	3/4	3/4		3/4		3/4	4,431.31	3/4	4,221.89	3/4	4,000.09	3/4	3,772.61	3/4	3,538.75	3/4	3,209.90	3/4	2,882.06
6	6	6		6		6	4,427.07	6	4,217.38	6	3,995.35	6	3,767.87	6	3,531.88	6	3,203.05	6	2,875.21
1/4	1/4	1/4		1/4		1/4	4,422.83	1/4	4,212.87	1/4	3,990.62	1/4	3,763.13	1/4	3,525.02	1/4	3,196.20	1/4	2,868.36
1/2	1/2	1/2		1/2		1/2	4,418.57	1/2	4,208.35	1/2	3,985.88	1/2	3,758.39	1/2	3,518.16	1/2	3,189.35	1/2	2,861.51
3/4	3/4	3/4		3/4		3/4	4,414.32	3/4	4,203.82	3/4	3,981.15	3/4	3,753.65	3/4	3,511.30	3/4	3,182.51	3/4	2,854.67
7	7	7		7		7	4,410.06	7	4,199.30	7	3,976.41	7	3,748.91	7	3,504.43	7	3,175.66	7	2,847.82
1/4	1/4	1/4		1/4		1/4	4,405.80	1/4	4,194.77	1/4	3,971.67	1/4	3,744.17	1/4	3,497.57	1/4	3,168.81	1/4	2,840.97
1/2	1/2	1/2		1/2		1/2	4,598.66	1/2	4,401.52	1/2	4,190.23	1/2	3,966.93	1/2	3,739.43	1/2	3,490.71	1/2	3,161.96
3/4	3/4	3/4		3/4		3/4	4,595.18	3/4	4,397.24	3/4	4,185.68	3/4	3,962.19	3/4	3,734.70	3/4	3,483.85	3/4	3,155.12
8	8	8		8		8	4,591.69	8	4,392.96	8	4,181.14	8	3,957.45	8	3,729.96	8	3,476.99	8	3,148.27
1/4	1/4	1/4		1/4		1/4	4,588.21	1/4	4,388.68	1/4	4,176.59	1/4	3,952.71	1/4	3,725.22	1/4	3,470.13	1/4	3,141.42
1/2	1/2	1/2		1/2		1/2	4,584.20	1/2	4,384.38	1/2	4,172.03	1/2	3,947.97	1/2	3,720.48	1/2	3,463.28	1/2	3,134.58
3/4	3/4	3/4		3/4		3/4	4,580.18	3/4	4,380.09	3/4	4,167.46	3/4	3,943.23	3/4	3,715.74	3/4	3,456.44	3/4	3,127.74
9	9	9		9		9	4,576.17	9	4,375.79	9	4,162.90	9	3,938.49	9	3,711.00	9	3,449.59	9	3,120.90
1/4	1/4	1/4		1/4		1/4	4,572.15	1/4	4,371.49	1/4	4,158.33	1/4	3,933.75	1/4	3,706.26	1/4	3,442.74	1/4	3,114.06
1/2	1/2	1/2		1/2		1/2	4,568.12	1/2	4,367.18	1/2	4,153.75	1/2	3,929.01	1/2	3,701.52	1/2	3,435.89	1/2	3,107.25
3/4	3/4	3/4		3/4		3/4	4,564.08	3/4	4,362.86	3/4	4,149.17	3/4	3,924.27	3/4	3,696.78	3/4	3,429.04	3/4	3,100.44
10	10	10		10		10	4,560.05	10	4,358.55	10	4,144.58	10	3,919.53	10	3,692.04	10	3,422.19	10	3,093.62
1/4	1/4	1/4		1/4		1/4	4,556.01	1/4	4,354.23	1/4	4,140.00	1/4	3,914.79	1/4	3,687.30	1/4	3,415.34	1/4	3,086.81
1/2	1/2	1/2		1/2		1/2	4,551.96	1/2	4,349.90	1/2	4,135.40	1/2	3,910.05	1/2	3,682.56	1/2	3,408.49	1/2	3,080.00
3/4	3/4	3/4		3/4		3/4	4,547.91	3/4	4,345.56	3/4	4,130.80	3/4	3,905.32	3/4	3,677.82	3/4	3,401.65	3/4	3,073.19
11	11	11		11		11	4,543.85	11	4,341.23	11	4,126.19	11	3,900.58	11	3,673.08	11	3,394.80	11	3,066.38
1/4	1/4	1/4		1/4		1/4	4,539.80	1/4	4,336.89	1/4	4,121.59	1/4	3,895.84	1/4	3,668.34	1/4	3,387.95	1/4	3,059.57
1/2	1/2	1/2		1/2		1/2	4,535.72	1/2	4,332.54	1/2	4,116.97	1/2	3,891.10	1/2	3,663.60	1/2	3,381.10	1/2	3,052.76
3/4	3/4	3/4		3/4		3/4	4,531.63	3/4	4,328.18	3/4	4,112.35	3/4	3,886.36	3/4	3,658.87	3/4	3,374.26	3/4	3,045.95

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-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 29081"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 251"

GAUGE HEIGHT 18'-03 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	2,710.86	0	2,382.02	0	2,044.09	0	1,724.39	0	1,395.70	0	1,067.03	0	753.65	0	426.07	0	96.49	0	
1/4	2,704.01	1/4	2,375.17	1/4	2,046.24	1/4	1,717.54	1/4	1,388.85	1/4	1,060.37	1/4	747.14	1/4	419.20	1/4	89.64	1/4	
1/2	2,697.16	1/2	2,368.32	1/2	2,039.39	1/2	1,710.69	1/2	1,382.00	1/2	1,053.65	1/2	740.55	1/2	412.33	1/2	82.97	1/2	
3/4	2,690.32	3/4	2,361.47	3/4	2,032.55	3/4	1,703.85	3/4	1,375.15	3/4	1,046.94	3/4	733.97	3/4	405.47	3/4	76.30	3/4	
1	2,683.47	1	2,354.61	1	2,025.70	1	1,697.00	1	1,368.30	1	1,040.22	1	727.38	1	398.60	1	69.63	1	
1/4	2,676.62	1/4	2,347.76	1/4	2,018.85	1/4	1,690.15	1/4	1,361.45	1/4	1,033.50	1/4	720.79	1/4	391.73	1/4	62.96	1/4	
1/2	2,669.77	1/2	2,340.91	1/2	2,012.00	1/2	1,683.30	1/2	1,354.60	1/2	1,027.00	1/2	713.97	1/2	384.86	1/2	57.13	1/2	
3/4	2,662.93	3/4	2,334.06	3/4	2,005.16	3/4	1,676.46	3/4	1,347.76	3/4	1,020.50	3/4	707.15	3/4	378.00	3/4	51.29	3/4	
2	2,656.08	2	2,327.20	2	1,998.31	2	1,669.61	2	1,340.91	2	1,014.00	2	700.32	2	371.13	2	45.46	2	
1/4	2,649.23	1/4	2,320.35	1/4	1,991.46	1/4	1,662.76	1/4	1,334.06	1/4	1,007.50	1/4	693.50	1/4	364.26	1/4	39.62	1/4	
1/2	2,642.38	1/2	2,313.50	1/2	1,984.61	1/2	1,655.91	1/2	1,327.21	1/2	1,001.00	1/2	686.65	1/2	357.40	1/2	35.16	1/2	
3/4	2,635.53	3/4	2,306.64	3/4	1,977.77	3/4	1,649.07	3/4	1,320.37	3/4	994.50	3/4	679.79	3/4	350.53	3/4	30.69	3/4	
3	2,628.68	3	2,299.79	3	1,970.92	3	1,642.22	3	1,313.52	3	988.00	3	672.94	3	343.67	3	26.23	3	
1/4	2,621.83	1/4	2,292.93	1/4	1,964.07	1/4	1,635.37	1/4	1,306.67	1/4	981.50	1/4	666.08	1/4	336.80	1/4	21.76	1/4	
1/2	2,614.98	1/2	2,286.08	1/2	1,957.22	1/2	1,628.52	1/2	1,299.82	1/2	975.00	1/2	659.22	1/2	329.94	1/2		1/2	
3/4	2,608.14	3/4	2,279.23	3/4	1,950.38	3/4	1,621.68	3/4	1,292.98	3/4	968.51	3/4	652.37	3/4	323.07	3/4		3/4	
4	2,601.29	4	2,272.37	4	1,943.53	4	1,614.83	4	1,286.13	4	962.01	4	645.51	4	316.21	4		4	
1/4	2,594.44	1/4	2,265.52	1/4	1,936.68	1/4	1,607.98	1/4	1,279.28	1/4	955.51	1/4	638.65	1/4	309.34	1/4		1/4	
1/2	2,587.59	1/2	2,258.67	1/2	1,929.83	1/2	1,601.13	1/2	1,272.43	1/2	949.01	1/2	631.79	1/2	302.47	1/2		1/2	
3/4	2,580.74	3/4	2,251.82	3/4	1,922.99	3/4	1,594.29	3/4	1,265.59	3/4	942.51	3/4	624.94	3/4	295.61	3/4		3/4	
5	2,573.89	5	2,244.96	5	1,916.14	5	1,587.44	5	1,258.74	5	936.00	5	618.08	5	288.74	5		5	
1/4	2,567.04	1/4	2,238.11	1/4	1,909.29	1/4	1,580.59	1/4	1,251.89	1/4	929.50	1/4	611.22	1/4	281.87	1/4		1/4	
1/2	2,560.19	1/2	2,231.26	1/2	1,902.44	1/2	1,573.74	1/2	1,245.04	1/2	922.99	1/2	604.37	1/2	275.00	1/2		1/2	
3/4	2,553.34	3/4	2,224.41	3/4	1,895.59	3/4	1,566.89	3/4	1,238.20	3/4	916.48	3/4	597.51	3/4	268.14	3/4		3/4	
6	2,546.48	6	2,217.55	6	1,888.74	6	1,560.04	6	1,231.35	6	909.96	6	590.66	6	261.27	6		6	
1/4	2,539.63	1/4	2,210.70	1/4	1,881.89	1/4	1,553.19	1/4	1,224.50	1/4	903.45	1/4	583.80	1/4	254.40	1/4		1/4	
1/2	2,532.78	1/2	2,203.85	1/2	1,875.04	1/2	1,546.34	1/2	1,217.65	1/2	896.94	1/2	576.94	1/2	247.53	1/2		1/2	
3/4	2,525.93	3/4	2,197.00	3/4	1,868.20	3/4	1,539.50	3/4	1,210.80	3/4	890.43	3/4	570.09	3/4	240.67	3/4		3/4	
7	2,519.07	7	2,190.14	7	1,861.35	7	1,532.65	7	1,203.95	7	883.91	7	563.23	7	233.80	7		7	
1/4	2,512.22	1/4	2,183.29	1/4	1,854.50	1/4	1,525.80	1/4	1,197.10	1/4	877.40	1/4	556.37	1/4	226.93	1/4		1/4	
1/2	2,505.37	1/2	2,176.44	1/2	1,847.65	1/2	1,518.95	1/2	1,190.25	1/2	870.89	1/2	549.52	1/2	220.06	1/2		1/2	
3/4	2,498.52	3/4	2,169.59	3/4	1,840.81	3/4	1,512.11	3/4	1,183.41	3/4	864.38	3/4	542.66	3/4	213.19	3/4		3/4	
8	2,491.66	8	2,162.73	8	1,833.96	8	1,505.26	8	1,176.56	8	857.86	8	535.81	8	206.32	8		8	
1/4	2,484.81	1/4	2,155.88	1/4	1,827.11	1/4	1,498.41	1/4	1,169.71	1/4	851.35	1/4	528.95	1/4	199.45	1/4		1/4	
1/2	2,477.96	1/2	2,149.03	1/2	1,820.26	1/2	1,491.56	1/2	1,162.87	1/2	844.84	1/2	522.09	1/2	192.58	1/2		1/2	
3/4	2,471.11	3/4	2,142.18	3/4	1,813.42	3/4	1,484.72	3/4	1,156.03	3/4	838.33	3/4	515.24	3/4	185.72	3/4		3/4	
9	2,464.25	9	2,135.32	9	1,806.57	9	1,477.87	9	1,149.18	9	831.81	9	508.38	9	178.85	9		9	
1/4	2,457.40	1/4	2,128.47	1/4	1,799.72	1/4	1,471.02	1/4	1,142.34	1/4	825.30	1/4	501.52	1/4	171.98	1/4		1/4	
1/2	2,450.55	1/2	2,121.62	1/2	1,792.87	1/2	1,464.17	1/2	1,135.51	1/2	818.79	1/2	494.66	1/2	165.11	1/2		1/2	
3/4	2,443.70	3/4	2,114.77	3/4	1,786.03	3/4	1,457.33	3/4	1,128.67	3/4	812.27	3/4	487.81	3/4	158.25	3/4		3/4	
10	2,436.84	10	2,107.91	10	1,779.18	10	1,450.48	10	1,121.84	10	805.76	10	480.95	10	151.38	10		10	
1/4	2,429.99	1/4	2,101.06	1/4	1,772.33	1/4	1,443.63	1/4	1,115.00	1/4	799.24	1/4	474.09	1/4	144.51	1/4		1/4	
1/2	2,423.14	1/2	2,085.21	1/2	1,765.48	1/2	1,436.78	1/2	1,108.00	1/2	792.73	1/2	467.23	1/2	137.65	1/2		1/2	
3/4	2,416.29	3/4	2,069.36	3/4	1,758.64	3/4	1,429.94	3/4	1,101.00	3/4	786.22	3/4	460.38	3/4	130.78	3/4		3/4	
11	2,409.43	11	2,053.50	11	1,751.79	11	1,423.09	11	1,094.00	11	779.70	11	453.52	11	123.92	11		11	
1/4	2,402.58	1/4	2,037.65	1/4	1,744.94	1/4	1,416.24	1/4	1,087.00	1/4	773.19	1/4	446.66	1/4	117.05	1/4		1/4	
1/2	2,395.73	1/2	2,039.80	1/2	1,738.09	1/2	1,409.39	1/2	1,080.34	1/2	766.68	1/2	439.80	1/2	110.20	1/2		1/2	
3/4	2,388.88	3/4	2,041.95	3/4	1,731.24	3/4	1,402.55	3/4	1,073.69	3/4	760.17	3/4	432.93	3/4	103.35	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
NAME CHANGE: 06/05/2023 JS
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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