



BARGE "CTCO 253"

ULLAGE TRIM TABLE

	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	- 00-1/4	00-1/4	- 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	- 00-1/4	00-1/4	- 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 3, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCO 253"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	5,130.80	1	4,841.09	1	4,532.20	1	4,206.38	1	3,874.41	1	3,542.44	1	3,210.47	1	2,878.50	1	2,546.50
1/4		1/4	5,145.92	1/4	4,859.82	1/4	4,552.05	1/4	4,227.12	1/4	3,895.16	1/4	3,563.19	1/4	3,231.22	1/4	2,899.25	1/4	2,567.26
1/2		1/2	5,141.04	1/2	4,853.58	1/2	4,545.44	1/2	4,220.21	1/2	3,888.24	1/2	3,556.27	1/2	3,224.30	1/2	2,892.34	1/2	2,560.34
3/4		3/4	5,136.15	3/4	4,847.35	3/4	4,538.84	3/4	4,213.29	3/4	3,881.32	3/4	3,549.36	3/4	3,217.39	3/4	2,885.42	3/4	2,553.42
1		1	5,108.82	2	4,816.01	2	4,505.65	2	4,178.71	2	3,846.74	2	3,514.78	2	3,182.81	2	2,850.84	2	2,518.81
1/4		1/4	5,125.44	1/4	4,834.83	1/4	4,525.57	1/4	4,199.46	1/4	3,867.49	1/4	3,535.52	1/4	3,203.56	1/4	2,871.59	1/4	2,539.58
1/2		1/2	5,120.08	1/2	4,828.56	1/2	4,518.94	1/2	4,192.54	1/2	3,860.58	1/2	3,528.61	1/2	3,196.64	1/2	2,864.67	1/2	2,532.66
3/4		3/4	5,114.73	3/4	4,822.30	3/4	4,512.31	3/4	4,185.63	3/4	3,853.66	3/4	3,521.69	3/4	3,189.72	3/4	2,857.76	3/4	2,525.73
2		2	5,102.92	3	4,809.72	3	4,498.99	3	4,171.80	3	3,839.83	3	3,507.86	3	3,175.89	3	2,843.92	3	2,511.89
1/4		1/4	5,109.01	1/4	4,816.01	1/4	4,505.65	1/4	4,178.71	1/4	3,846.74	1/4	3,514.78	1/4	3,182.81	1/4	2,850.84	1/4	2,518.81
1/2		1/2	5,097.01	1/2	4,803.44	1/2	4,492.33	1/2	4,164.88	1/2	3,832.91	1/2	3,500.94	1/2	3,168.98	1/2	2,837.01	1/2	2,504.97
3/4		3/4	5,091.11	3/4	4,797.15	3/4	4,485.67	3/4	4,157.96	3/4	3,826.00	3/4	3,494.03	3/4	3,162.06	3/4	2,830.09	3/4	2,498.05
3		3	5,085.18	4	4,790.83	4	4,481.98	4	4,151.05	4	3,819.08	4	3,487.11	4	3,155.14	4	2,823.18	4	2,491.13
1/4		1/4	5,079.25	1/4	4,784.51	1/4	4,472.29	1/4	4,144.13	1/4	3,812.16	1/4	3,480.20	1/4	3,148.23	1/4	2,816.26	1/4	2,484.21
1/2		1/2	5,073.32	1/2	4,778.20	1/2	4,465.60	1/2	4,137.22	1/2	3,805.25	1/2	3,473.28	1/2	3,141.31	1/2	2,809.34	1/2	2,477.29
3/4		3/4	5,067.39	3/4	4,771.88	3/4	4,458.92	3/4	4,130.30	3/4	3,798.33	3/4	3,466.36	3/4	3,134.40	3/4	2,802.43	3/4	2,470.37
4		4	5,061.43	5	4,765.54	5	4,452.20	5	4,123.38	5	3,791.42	5	3,459.45	5	3,127.48	5	2,795.51	5	2,463.45
1/4		1/4	5,055.47	1/4	4,759.19	1/4	4,445.48	1/4	4,116.47	1/4	3,784.50	1/4	3,452.53	1/4	3,120.56	1/4	2,788.60	1/4	2,456.53
1/2		1/2	5,049.52	1/2	4,752.85	1/2	4,438.77	1/2	4,109.55	1/2	3,777.58	1/2	3,445.62	1/2	3,113.65	1/2	2,781.68	1/2	2,449.61
3/4		3/4	5,043.56	3/4	4,746.50	3/4	4,432.05	3/4	4,102.64	3/4	3,770.67	3/4	3,438.70	3/4	3,106.73	3/4	2,774.76	3/4	2,442.69
5		5	5,037.56	6	4,740.13	6	4,425.31	6	4,095.72	6	3,763.75	6	3,431.78	6	3,099.82	6	2,767.85	6	2,435.77
1/4		1/4	5,031.56	1/4	4,733.76	1/4	4,418.57	1/4	4,088.80	1/4	3,756.84	1/4	3,424.87	1/4	3,092.90	1/4	2,760.93	1/4	2,428.85
1/2		1/2	5,025.56	1/2	4,727.39	1/2	4,411.82	1/2	4,081.89	1/2	3,749.92	1/2	3,417.95	1/2	3,085.98	1/2	2,754.02	1/2	2,421.93
3/4		3/4	5,019.57	3/4	4,721.02	3/4	4,405.08	3/4	4,074.97	3/4	3,743.00	3/4	3,411.04	3/4	3,079.07	3/4	2,747.10	3/4	2,415.00
6		6	5,013.50	7	4,714.62	7	4,398.31	7	4,068.06	7	3,736.09	7	3,404.12	7	3,072.15	7	2,740.18	7	2,408.08
1/4		1/4	5,007.43	1/4	4,708.22	1/4	4,391.54	1/4	4,061.14	1/4	3,729.17	1/4	3,397.20	1/4	3,065.24	1/4	2,733.27	1/4	2,401.16
1/2		1/2	5,001.36	1/2	4,701.82	1/2	4,384.77	1/2	4,054.22	1/2	3,722.26	1/2	3,390.29	1/2	3,058.32	1/2	2,726.35	1/2	2,394.24
3/4		3/4	4,995.30	3/4	4,695.42	3/4	4,378.00	3/4	4,047.31	3/4	3,715.34	3/4	3,383.37	3/4	3,051.40	3/4	2,719.44	3/4	2,387.32
7		7	4,989.20	8	4,688.99	8	4,371.20	8	4,040.39	8	3,708.42	8	3,376.46	8	3,044.49	8	2,712.52	8	2,380.40
1/4		1/4	4,983.10	1/4	4,682.56	1/4	4,364.40	1/4	4,033.48	1/4	3,701.51	1/4	3,369.54	1/4	3,037.57	1/4	2,705.60	1/4	2,373.48
1/2		1/2	4,977.01	1/2	4,676.14	1/2	4,357.60	1/2	4,026.56	1/2	3,694.59	1/2	3,362.62	1/2	3,030.66	1/2	2,698.69	1/2	2,366.56
3/4		3/4	4,970.91	3/4	4,669.71	3/4	4,350.81	3/4	4,019.64	3/4	3,687.68	3/4	3,355.71	3/4	3,023.74	3/4	2,691.77	3/4	2,359.64
8		8	4,964.79	9	4,663.24	9	4,343.98	9	4,012.73	9	3,680.76	9	3,348.79	9	3,016.82	9	2,684.86	9	2,352.72
1/4		1/4	4,958.67	1/4	4,656.78	1/4	4,337.15	1/4	4,005.81	1/4	3,673.84	1/4	3,341.88	1/4	3,009.91	1/4	2,677.94	1/4	2,345.80
1/2		1/2	4,952.54	1/2	4,650.32	1/2	4,330.33	1/2	3,998.90	1/2	3,666.93	1/2	3,334.96	1/2	3,002.99	1/2	2,671.02	1/2	2,338.88
3/4		3/4	4,946.42	3/4	4,643.85	3/4	4,323.50	3/4	3,991.98	3/4	3,660.01	3/4	3,328.04	3/4	2,996.08	3/4	2,664.11	3/4	2,331.96
9		9	4,940.27	10	4,637.33	10	4,316.65	10	3,985.06	10	3,653.10	10	3,321.13	10	2,989.16	10	2,657.19	10	2,325.04
1/4		1/4	4,934.12	1/4	4,630.81	1/4	4,309.79	1/4	3,978.15	1/4	3,646.18	1/4	3,314.21	1/4	2,982.24	1/4	2,650.28	1/4	2,318.12
1/2		1/2	4,927.97	1/2	4,624.29	1/2	4,302.94	1/2	3,971.23	1/2	3,639.26	1/2	3,307.30	1/2	2,975.33	1/2	2,643.36	1/2	2,311.20
3/4		3/4	4,921.82	3/4	4,617.76	3/4	4,296.09	3/4	3,964.32	3/4	3,632.35	3/4	3,300.38	3/4	2,968.41	3/4	2,636.44	3/4	2,304.28
10		10	4,915.64	11	4,611.21	11	4,289.20	11	3,957.40	11	3,625.43	11	3,293.46	11	2,961.50	11	2,629.53	11	2,297.35
1/4		1/4	4,909.46	1/4	4,604.66	1/4	4,282.32	1/4	3,950.48	1/4	3,618.52	1/4	3,286.55	1/4	2,954.58	1/4	2,622.61	1/4	2,290.43
1/2		1/2	4,903.28	1/2	4,598.11	1/2	4,275.44	1/2	3,943.57	1/2	3,611.60	1/2	3,279.63	1/2	2,947.66	1/2	2,615.70	1/2	2,283.51
3/4		3/4	4,897.11	3/4	4,591.57	3/4	4,268.56	3/4	3,936.65	3/4	3,604.68	3/4	3,272.72	3/4	2,940.75	3/4	2,608.78	3/4	2,276.59
11		11	4,890.90	12	4,584.99	12	4,261.66	12	3,929.74	12	3,597.77	12	3,265.80	12	2,933.83	12	2,601.86	12	2,269.67
1/4		1/4	4,884.69	1/4	4,578.41	1/4	4,254.76	1/4	3,922.82	1/4	3,590.85	1/4	3,258.88	1/4	2,926.92	1/4	2,594.94	1/4	2,262.75
1/2		1/2	4,878.49	1/2	4,571.83	1/2	4,247.86	1/2	3,915.90	1/2	3,583.94	1/2	3,251.97	1/2	2,920.00	1/2	2,588.02	1/2	2,255.83
3/4		3/4	4,872.28	3/4	4,565.26	3/4	4,240.96	3/4	3,908.99	3/4	3,577.02	3/4	3,245.05	3/4	2,913.08	3/4	2,581.10	3/4	2,248.91

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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

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
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CTCO 253"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

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	2,241.99	0	1,909.80	0	1,577.61	0	1,245.42	0	913.45	0	581.54	0	249.39	0		0		0	
1/4	2,235.07	1/4	1,902.88	1/4	1,570.69	1/4	1,238.50	1/4	906.54	1/4	574.61	1/4	242.47	1/4	1/4	1/4		1/4	1/4
1/2	2,228.15	1/2	1,895.96	1/2	1,563.77	1/2	1,231.58	1/2	899.63	1/2	567.69	1/2	235.55	1/2	1/2	1/2		1/2	1/2
3/4	2,221.23	3/4	1,889.04	3/4	1,556.85	3/4	1,224.66	3/4	892.73	3/4	560.77	3/4	228.63	3/4	3/4	3/4		3/4	3/4
1	2,214.31	1	1,882.12	1	1,549.93	1	1,217.74	1	885.82	1	553.85	1	221.71	1	1	1		1	1
1/4	2,207.39	1/4	1,875.20	1/4	1,543.01	1/4	1,210.82	1/4	878.91	1/4	546.93	1/4	214.79	1/4	1/4	1/4		1/4	1/4
1/2	2,200.47	1/2	1,868.28	1/2	1,536.09	1/2	1,203.90	1/2	872.00	1/2	540.01	1/2	207.87	1/2	1/2	1/2		1/2	1/2
3/4	2,193.55	3/4	1,861.36	3/4	1,529.17	3/4	1,196.98	3/4	865.09	3/4	533.09	3/4	200.95	3/4	3/4	3/4		3/4	3/4
2	2,186.63	2	1,854.44	2	1,522.25	2	1,190.06	2	858.18	2	526.17	2	194.03	2	2	2		2	2
1/4	2,179.70	1/4	1,847.52	1/4	1,515.33	1/4	1,183.14	1/4	851.27	1/4	519.25	1/4	187.11	1/4	1/4	1/4		1/4	1/4
1/2	2,172.78	1/2	1,840.60	1/2	1,508.41	1/2	1,176.22	1/2	844.37	1/2	512.33	1/2	180.19	1/2	1/2	1/2		1/2	1/2
3/4	2,165.86	3/4	1,833.67	3/4	1,501.49	3/4	1,169.30	3/4	837.46	3/4	505.41	3/4	173.27	3/4	3/4	3/4		3/4	3/4
3	2,158.94	3	1,826.75	3	1,494.57	3	1,162.38	3	830.55	3	498.49	3	166.35	3	3	3		3	3
1/4	2,152.02	1/4	1,819.83	1/4	1,487.64	1/4	1,155.46	1/4	823.64	1/4	491.57	1/4	159.43	1/4	1/4	1/4		1/4	1/4
1/2	2,145.10	1/2	1,812.91	1/2	1,480.72	1/2	1,148.54	1/2	816.73	1/2	484.65	1/2	152.51	1/2	1/2	1/2		1/2	1/2
3/4	2,138.18	3/4	1,805.99	3/4	1,473.80	3/4	1,141.61	3/4	809.82	3/4	477.73	3/4	145.59	3/4	3/4	3/4		3/4	3/4
4	2,131.26	4	1,799.07	4	1,466.88	4	1,134.69	4	802.91	4	470.81	4	138.67	4	4	4		4	4
1/4	2,124.34	1/4	1,792.15	1/4	1,459.96	1/4	1,127.77	1/4	796.00	1/4	463.89	1/4	131.75	1/4	1/4	1/4		1/4	1/4
1/2	2,117.42	1/2	1,785.23	1/2	1,453.04	1/2	1,120.85	1/2	789.10	1/2	456.97	1/2	124.84	1/2	1/2	1/2		1/2	1/2
3/4	2,110.50	3/4	1,778.31	3/4	1,446.12	3/4	1,113.93	3/4	782.19	3/4	450.05	3/4	117.92	3/4	3/4	3/4		3/4	3/4
5	2,103.58	5	1,771.39	5	1,439.20	5	1,107.01	5	775.28	5	443.13	5	111.02	5	5	5		5	5
1/4	2,096.66	1/4	1,764.47	1/4	1,432.28	1/4	1,100.09	1/4	768.37	1/4	436.21	1/4	104.11	1/4	1/4	1/4		1/4	1/4
1/2	2,089.74	1/2	1,757.55	1/2	1,425.36	1/2	1,093.17	1/2	761.45	1/2	429.29	1/2	97.21	1/2	1/2	1/2		1/2	1/2
3/4	2,082.82	3/4	1,750.63	3/4	1,418.44	3/4	1,086.25	3/4	754.54	3/4	422.37	3/4	90.31	3/4	3/4	3/4		3/4	3/4
6	2,075.90	6	1,743.71	6	1,411.52	6	1,079.33	6	747.62	6	415.45	6	83.59	6	6	6		6	6
1/4	2,068.97	1/4	1,736.79	1/4	1,404.60	1/4	1,072.41	1/4	740.70	1/4	408.53	1/4	76.87	1/4	1/4	1/4		1/4	1/4
1/2	2,062.05	1/2	1,729.87	1/2	1,397.68	1/2	1,065.49	1/2	733.78	1/2	401.61	1/2	70.15	1/2	1/2	1/2		1/2	1/2
3/4	2,055.13	3/4	1,722.94	3/4	1,390.76	3/4	1,058.57	3/4	726.86	3/4	394.69	3/4	63.43	3/4	3/4	3/4		3/4	3/4
7	2,048.21	7	1,716.02	7	1,383.84	7	1,051.65	7	719.94	7	387.77	7	57.55	7	7	7		7	7
1/4	2,041.29	1/4	1,709.10	1/4	1,376.91	1/4	1,044.73	1/4	713.02	1/4	380.85	1/4	51.67	1/4	1/4	1/4		1/4	1/4
1/2	2,034.37	1/2	1,702.18	1/2	1,369.99	1/2	1,037.81	1/2	706.10	1/2	373.93	1/2	45.79	1/2	1/2	1/2		1/2	1/2
3/4	2,027.45	3/4	1,695.26	3/4	1,363.07	3/4	1,030.90	3/4	699.18	3/4	367.01	3/4	39.90	3/4	3/4	3/4		3/4	3/4
8	2,020.53	8	1,688.34	8	1,356.15	8	1,023.99	8	692.26	8	360.09	8	35.41	8	8	8		8	8
1/4	2,013.61	1/4	1,681.42	1/4	1,349.23	1/4	1,017.08	1/4	685.34	1/4	353.18	1/4	30.91	1/4	1/4	1/4		1/4	1/4
1/2	2,006.69	1/2	1,674.50	1/2	1,342.31	1/2	1,010.17	1/2	678.42	1/2	346.26	1/2	26.41	1/2	1/2	1/2		1/2	1/2
3/4	1,999.77	3/4	1,667.58	3/4	1,335.39	3/4	1,003.26	3/4	671.50	3/4	339.34	3/4	21.91	3/4	3/4	3/4		3/4	3/4
9	1,992.85	9	1,660.66	9	1,328.47	9	996.35	9	664.58	9	332.42	9		9	9	9		9	9
1/4	1,985.93	1/4	1,653.74	1/4	1,321.55	1/4	989.45	1/4	657.66	1/4	325.51	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,979.01	1/2	1,646.82	1/2	1,314.63	1/2	982.54	1/2	650.74	1/2	318.59	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,972.09	3/4	1,639.90	3/4	1,307.71	3/4	975.63	3/4	643.82	3/4	311.67	3/4		3/4	3/4	3/4		3/4	3/4
10	1,965.17	10	1,632.98	10	1,300.79	10	968.72	10	636.90	10	304.75	10		10	10	10		10	10
1/4	1,958.25	1/4	1,626.06	1/4	1,293.87	1/4	961.81	1/4	629.98	1/4	297.83	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,951.32	1/2	1,619.14	1/2	1,286.95	1/2	954.90	1/2	623.06	1/2	290.91	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,944.40	3/4	1,612.22	3/4	1,280.03	3/4	947.99	3/4	616.14	3/4	283.99	3/4		3/4	3/4	3/4		3/4	3/4
11	1,937.48	11	1,605.29	11	1,273.11	11	941.09	11	609.22	11	277.07	11		11	11	11		11	11
1/4	1,930.56	1/4	1,598.37	1/4	1,266.19	1/4	934.18	1/4	602.30	1/4	270.15	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,923.64	1/2	1,591.45	1/2	1,259.26	1/2	927.27	1/2	595.38	1/2	263.23	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,916.72	3/4	1,584.53	3/4	1,252.34	3/4	920.36	3/4	588.46	3/4	256.31	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/03/2013 SW - CL
CALCULATED: 06/03/2013 CL
PRINTED: 06/04/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTCO 253"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	2,232.44	0	1,900.37	0	1,568.30	0	1,236.23	0	905.24	0	574.41	0	242.38	0		0		0	
1/4	2,225.52	1/4	1,893.45	1/4	1,561.38	1/4	1,229.31	1/4	898.37	1/4	567.49	1/4	235.46	1/4	1/4		1/4		1/4
1/2	2,218.60	1/2	1,886.53	1/2	1,554.46	1/2	1,222.39	1/2	891.50	1/2	560.57	1/2	228.54	1/2	1/2		1/2		1/2
3/4	2,211.68	3/4	1,879.61	3/4	1,547.54	3/4	1,215.48	3/4	884.63	3/4	553.65	3/4	221.63	3/4	3/4		3/4		3/4
1	2,204.76	1	1,872.69	1	1,540.63	1	1,208.56	1	877.77	1	546.74	1	214.71	1	1		1		1
1/4	2,197.85	1/4	1,865.78	1/4	1,533.71	1/4	1,201.64	1/4	870.90	1/4	539.82	1/4	207.79	1/4	1/4		1/4		1/4
1/2	2,190.93	1/2	1,858.86	1/2	1,526.79	1/2	1,194.72	1/2	864.03	1/2	532.90	1/2	200.87	1/2	1/2		1/2		1/2
3/4	2,184.01	3/4	1,851.94	3/4	1,519.87	3/4	1,187.80	3/4	857.16	3/4	525.98	3/4	193.96	3/4	3/4		3/4		3/4
2	2,177.09	2	1,845.02	2	1,512.95	2	1,180.88	2	850.29	2	519.06	2	187.04	2	2		2		2
1/4	2,170.17	1/4	1,838.10	1/4	1,506.04	1/4	1,173.97	1/4	843.42	1/4	512.15	1/4	180.12	1/4	1/4		1/4		1/4
1/2	2,163.25	1/2	1,831.19	1/2	1,499.12	1/2	1,167.05	1/2	836.55	1/2	505.23	1/2	173.20	1/2	1/2		1/2		1/2
3/4	2,156.34	3/4	1,824.27	3/4	1,492.20	3/4	1,160.13	3/4	829.68	3/4	498.31	3/4	166.28	3/4	3/4		3/4		3/4
3	2,149.42	3	1,817.35	3	1,485.28	3	1,153.21	3	822.81	3	491.39	3	159.37	3	3		3		3
1/4	2,142.50	1/4	1,810.43	1/4	1,478.36	1/4	1,146.29	1/4	815.94	1/4	484.48	1/4	152.45	1/4	1/4		1/4		1/4
1/2	2,135.58	1/2	1,803.51	1/2	1,471.44	1/2	1,139.38	1/2	809.08	1/2	477.56	1/2	145.53	1/2	1/2		1/2		1/2
3/4	2,128.66	3/4	1,796.60	3/4	1,464.53	3/4	1,132.46	3/4	802.21	3/4	470.64	3/4	138.62	3/4	3/4		3/4		3/4
4	2,121.75	4	1,789.68	4	1,457.61	4	1,125.54	4	795.34	4	463.72	4	131.70	4	4		4		4
1/4	2,114.83	1/4	1,782.76	1/4	1,450.69	1/4	1,118.62	1/4	788.47	1/4	456.80	1/4	124.79	1/4	1/4		1/4		1/4
1/2	2,107.91	1/2	1,775.84	1/2	1,443.77	1/2	1,111.70	1/2	781.60	1/2	449.89	1/2	117.88	1/2	1/2		1/2		1/2
3/4	2,100.99	3/4	1,768.92	3/4	1,436.85	3/4	1,104.79	3/4	774.73	3/4	442.97	3/4	110.97	3/4	3/4		3/4		3/4
5	2,094.07	5	1,762.01	5	1,429.94	5	1,097.87	5	767.86	5	436.05	5	104.07	5	5		5		5
1/4	2,087.16	1/4	1,755.09	1/4	1,423.02	1/4	1,090.95	1/4	760.99	1/4	429.13	1/4	97.17	1/4	1/4		1/4		1/4
1/2	2,080.24	1/2	1,748.17	1/2	1,416.10	1/2	1,084.03	1/2	754.12	1/2	422.22	1/2	90.27	1/2	1/2		1/2		1/2
3/4	2,073.32	3/4	1,741.25	3/4	1,409.18	3/4	1,077.12	3/4	747.24	3/4	415.30	3/4	83.55	3/4	3/4		3/4		3/4
6	2,066.40	6	1,734.33	6	1,402.26	6	1,070.22	6	740.36	6	408.38	6	76.84	6	6		6		6
1/4	2,059.48	1/4	1,727.41	1/4	1,395.35	1/4	1,063.31	1/4	733.48	1/4	401.46	1/4	70.12	1/4	1/4		1/4		1/4
1/2	2,052.57	1/2	1,720.50	1/2	1,388.43	1/2	1,056.40	1/2	726.60	1/2	394.54	1/2	63.40	1/2	1/2		1/2		1/2
3/4	2,045.65	3/4	1,713.58	3/4	1,381.51	3/4	1,049.53	3/4	719.68	3/4	387.63	3/4	57.52	3/4	3/4		3/4		3/4
7	2,038.73	7	1,706.66	7	1,374.59	7	1,042.65	7	712.76	7	380.71	7	51.65	7	7		7		7
1/4	2,031.81	1/4	1,699.74	1/4	1,367.67	1/4	1,035.78	1/4	705.84	1/4	373.79	1/4	45.77	1/4	1/4		1/4		1/4
1/2	2,024.89	1/2	1,692.82	1/2	1,360.76	1/2	1,028.90	1/2	698.93	1/2	366.88	1/2	39.89	1/2	1/2		1/2		1/2
3/4	2,017.97	3/4	1,685.91	3/4	1,353.84	3/4	1,022.03	3/4	692.01	3/4	359.96	3/4	35.39	3/4	3/4		3/4		3/4
8	2,011.06	8	1,678.99	8	1,346.92	8	1,015.15	8	685.09	8	353.05	8	30.90	8	8		8		8
1/4	2,004.14	1/4	1,672.07	1/4	1,340.00	1/4	1,008.28	1/4	678.17	1/4	346.13	1/4	26.40	1/4	1/4		1/4		1/4
1/2	1,997.22	1/2	1,665.15	1/2	1,333.08	1/2	1,001.41	1/2	671.26	1/2	339.22	1/2	21.90	1/2	1/2		1/2		1/2
3/4	1,990.30	3/4	1,658.23	3/4	1,326.16	3/4	994.54	3/4	664.34	3/4	332.30	3/4		3/4	3/4		3/4		3/4
9	1,983.38	9	1,651.32	9	1,319.25	9	987.67	9	657.42	9	325.39	9		9	9		9		9
1/4	1,976.47	1/4	1,644.40	1/4	1,312.33	1/4	980.80	1/4	650.50	1/4	318.47	1/4		1/4	1/4		1/4		1/4
1/2	1,969.55	1/2	1,637.48	1/2	1,305.41	1/2	973.93	1/2	643.58	1/2	311.56	1/2		1/2	1/2		1/2		1/2
3/4	1,962.63	3/4	1,630.56	3/4	1,298.49	3/4	967.06	3/4	636.67	3/4	304.64	3/4		3/4	3/4		3/4		3/4
10	1,955.71	10	1,623.64	10	1,291.57	10	960.19	10	629.75	10	297.72	10		10	10		10		10
1/4	1,948.79	1/4	1,616.72	1/4	1,284.66	1/4	953.32	1/4	622.83	1/4	290.80	1/4		1/4	1/4		1/4		1/4
1/2	1,941.88	1/2	1,609.81	1/2	1,277.74	1/2	946.46	1/2	615.91	1/2	283.89	1/2		1/2	1/2		1/2		1/2
3/4	1,934.96	3/4	1,602.89	3/4	1,270.82	3/4	939.59	3/4	609.00	3/4	276.97	3/4		3/4	3/4		3/4		3/4
11	1,928.04	11	1,595.97	11	1,263.90	11	932.72	11	602.08	11	270.05	11		11	11		11		11
1/4	1,921.12	1/4	1,589.05	1/4	1,256.98	1/4	925.85	1/4	595.16	1/4	263.13	1/4		1/4	1/4		1/4		1/4
1/2	1,914.20	1/2	1,582.13	1/2	1,250.07	1/2	918.98	1/2	588.24	1/2	256.22	1/2		1/2	1/2		1/2		1/2
3/4	1,907.29	3/4	1,575.22	3/4	1,243.15	3/4	912.11	3/4	581.32	3/4	249.30	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/03/2013 SW - CL
CALCULATED: 06/03/2013 CL
PRINTED: 06/04/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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



BARGE "CTCO 253"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09"

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	2,240.67	0	1,909.71	0	1,578.76	0	1,247.80	0	917.00	0	586.27	0	255.35	0		0		0	
1/4	2,233.77	1/4	1,902.82	1/4	1,571.86	1/4	1,240.90	1/4	910.12	1/4	579.37	1/4	248.46	1/4	1/4	1/4		1/4	
1/2	2,226.88	1/2	1,895.92	1/2	1,564.97	1/2	1,234.01	1/2	903.23	1/2	572.48	1/2	241.56	1/2	1/2	1/2		1/2	
3/4	2,219.98	3/4	1,889.03	3/4	1,558.07	3/4	1,227.12	3/4	896.34	3/4	565.58	3/4	234.67	3/4	3/4	3/4		3/4	
1	2,213.09	1	1,882.13	1	1,551.18	1	1,220.22	1	889.46	1	558.69	1	227.78	1	1	1		1	
1/4	2,206.19	1/4	1,875.24	1/4	1,544.28	1/4	1,213.33	1/4	882.57	1/4	551.79	1/4	220.88	1/4	1/4	1/4		1/4	
1/2	2,199.30	1/2	1,868.34	1/2	1,537.39	1/2	1,206.43	1/2	875.69	1/2	544.90	1/2	213.99	1/2	1/2	1/2		1/2	
3/4	2,192.40	3/4	1,861.45	3/4	1,530.49	3/4	1,199.54	3/4	868.80	3/4	538.00	3/4	207.09	3/4	3/4	3/4		3/4	
2	2,185.51	2	1,854.55	2	1,523.60	2	1,192.64	2	861.92	2	531.11	2	200.20	2	2	2		2	
1/4	2,178.61	1/4	1,847.66	1/4	1,516.70	1/4	1,185.75	1/4	855.03	1/4	524.22	1/4	193.30	1/4	1/4	1/4		1/4	
1/2	2,171.72	1/2	1,840.76	1/2	1,509.81	1/2	1,178.85	1/2	848.14	1/2	517.32	1/2	186.41	1/2	1/2	1/2		1/2	
3/4	2,164.82	3/4	1,833.87	3/4	1,502.91	3/4	1,171.96	3/4	841.26	3/4	510.43	3/4	179.51	3/4	3/4	3/4		3/4	
3	2,157.93	3	1,826.97	3	1,496.02	3	1,165.06	3	834.37	3	503.53	3	172.62	3	3	3		3	
1/4	2,151.03	1/4	1,820.08	1/4	1,489.12	1/4	1,158.17	1/4	827.49	1/4	496.64	1/4	165.72	1/4	1/4	1/4		1/4	
1/2	2,144.14	1/2	1,813.18	1/2	1,482.23	1/2	1,151.27	1/2	820.60	1/2	489.74	1/2	158.83	1/2	1/2	1/2		1/2	
3/4	2,137.24	3/4	1,806.29	3/4	1,475.33	3/4	1,144.38	3/4	813.72	3/4	482.85	3/4	151.94	3/4	3/4	3/4		3/4	
4	2,130.35	4	1,799.39	4	1,468.44	4	1,137.48	4	806.83	4	475.95	4	145.04	4	4	4		4	
1/4	2,123.45	1/4	1,792.50	1/4	1,461.54	1/4	1,130.59	1/4	799.94	1/4	469.06	1/4	138.15	1/4	1/4	1/4		1/4	
1/2	2,116.56	1/2	1,785.60	1/2	1,454.65	1/2	1,123.69	1/2	793.06	1/2	462.16	1/2	131.26	1/2	1/2	1/2		1/2	
3/4	2,109.66	3/4	1,778.71	3/4	1,447.75	3/4	1,116.80	3/4	786.17	3/4	455.27	3/4	124.37	3/4	3/4	3/4		3/4	
5	2,102.77	5	1,771.81	5	1,440.86	5	1,109.90	5	779.29	5	448.37	5	117.48	5	5	5		5	
1/4	2,095.87	1/4	1,764.92	1/4	1,433.96	1/4	1,103.01	1/4	772.40	1/4	441.48	1/4	110.60	1/4	1/4	1/4		1/4	
1/2	2,088.98	1/2	1,758.02	1/2	1,427.07	1/2	1,096.11	1/2	765.51	1/2	434.59	1/2	103.72	1/2	1/2	1/2		1/2	
3/4	2,082.08	3/4	1,751.13	3/4	1,420.17	3/4	1,089.22	3/4	758.62	3/4	427.69	3/4	96.84	3/4	3/4	3/4		3/4	
6	2,075.19	6	1,744.23	6	1,413.28	6	1,082.32	6	751.74	6	420.80	6	89.97	6	6	6		6	
1/4	2,068.29	1/4	1,737.34	1/4	1,406.38	1/4	1,075.43	1/4	744.84	1/4	413.90	1/4	83.27	1/4	1/4	1/4		1/4	
1/2	2,061.40	1/2	1,730.44	1/2	1,399.49	1/2	1,068.53	1/2	737.95	1/2	407.01	1/2	76.58	1/2	1/2	1/2		1/2	
3/4	2,054.50	3/4	1,723.55	3/4	1,392.59	3/4	1,061.64	3/4	731.05	3/4	400.11	3/4	69.88	3/4	3/4	3/4		3/4	
7	2,047.61	7	1,716.65	7	1,385.70	7	1,054.74	7	724.16	7	393.22	7	63.19	7	7	7		7	
1/4	2,040.71	1/4	1,709.76	1/4	1,378.80	1/4	1,047.85	1/4	717.26	1/4	386.32	1/4	57.33	1/4	1/4	1/4		1/4	
1/2	2,033.82	1/2	1,702.86	1/2	1,371.91	1/2	1,040.96	1/2	710.37	1/2	379.43	1/2	51.47	1/2	1/2	1/2		1/2	
3/4	2,026.92	3/4	1,695.97	3/4	1,365.01	3/4	1,034.06	3/4	703.47	3/4	372.54	3/4	45.61	3/4	3/4	3/4		3/4	
8	2,020.03	8	1,689.07	8	1,358.12	8	1,027.17	8	696.58	8	365.64	8	39.75	8	8	8		8	
1/4	2,013.13	1/4	1,682.18	1/4	1,351.22	1/4	1,020.29	1/4	689.69	1/4	358.75	1/4	35.27	1/4	1/4	1/4		1/4	
1/2	2,006.24	1/2	1,675.28	1/2	1,344.33	1/2	1,013.40	1/2	682.79	1/2	351.86	1/2	30.79	1/2	1/2	1/2		1/2	
3/4	1,999.34	3/4	1,668.39	3/4	1,337.43	3/4	1,006.52	3/4	675.90	3/4	344.97	3/4	26.31	3/4	3/4	3/4		3/4	
9	1,992.45	9	1,661.49	9	1,330.54	9	999.63	9	669.00	9	338.08	9	21.83	9	9	9		9	
1/4	1,985.55	1/4	1,654.60	1/4	1,323.64	1/4	992.74	1/4	662.11	1/4	331.19	1/4		1/4	1/4	1/4		1/4	
1/2	1,978.66	1/2	1,647.70	1/2	1,316.75	1/2	985.86	1/2	655.21	1/2	324.29	1/2		1/2	1/2	1/2		1/2	
3/4	1,971.76	3/4	1,640.81	3/4	1,309.85	3/4	978.97	3/4	648.32	3/4	317.40	3/4		3/4	3/4	3/4		3/4	
10	1,964.87	10	1,633.91	10	1,302.96	10	972.09	10	641.42	10	310.51	10		10	10	10		10	
1/4	1,957.97	1/4	1,627.02	1/4	1,296.06	1/4	965.20	1/4	634.53	1/4	303.62	1/4		1/4	1/4	1/4		1/4	
1/2	1,951.08	1/2	1,620.12	1/2	1,289.17	1/2	958.32	1/2	627.63	1/2	296.72	1/2		1/2	1/2	1/2		1/2	
3/4	1,944.18	3/4	1,613.23	3/4	1,282.27	3/4	951.43	3/4	620.74	3/4	289.83	3/4		3/4	3/4	3/4		3/4	
11	1,937.29	11	1,606.33	11	1,275.38	11	944.54	11	613.85	11	282.93	11		11	11	11		11	
1/4	1,930.39	1/4	1,599.44	1/4	1,268.48	1/4	937.66	1/4	606.95	1/4	276.04	1/4		1/4	1/4	1/4		1/4	
1/2	1,923.50	1/2	1,592.54	1/2	1,261.59	1/2	930.77	1/2	600.06	1/2	269.14	1/2		1/2	1/2	1/2		1/2	
3/4	1,916.61	3/4	1,585.65	3/4	1,254.69	3/4	923.89	3/4	593.16	3/4	262.25	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/03/2013 SW - CL
CALCULATED: 06/03/2013 CL
PRINTED: 06/04/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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



BARGE "CTCO 253"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	5,109.22	0	4,786.97	0	4,457.53	0	4,126.80	0	3,796.07	0	3,465.34	0	3,134.61	0	2,803.88	0	2,473.12	
1/4	1/4	5,104.12	1/4	4,780.12	1/4	4,450.64	1/4	4,119.91	1/4	3,789.18	1/4	3,458.45	1/4	3,127.72	1/4	2,796.99	1/4	2,466.23	
1/2	1/2	5,099.01	1/2	4,773.27	1/2	4,443.75	1/2	4,113.02	1/2	3,782.29	1/2	3,451.56	1/2	3,120.83	1/2	2,790.10	1/2	2,459.33	
3/4	3/4	5,092.73	3/4	4,766.41	3/4	4,436.86	3/4	4,106.13	3/4	3,775.40	3/4	3,444.67	3/4	3,113.94	3/4	2,783.21	3/4	2,452.44	
1	1	5,086.45	1	4,759.56	1	4,429.97	1	4,099.24	1	3,768.51	1	3,437.78	1	3,107.05	1	2,776.32	1	2,445.54	
1/4	1/4	5,080.17	1/4	4,752.71	1/4	4,423.08	1/4	4,092.35	1/4	3,761.62	1/4	3,430.89	1/4	3,100.16	1/4	2,769.43	1/4	2,438.65	
1/2	1/2	5,073.89	1/2	4,745.86	1/2	4,416.19	1/2	4,085.46	1/2	3,754.73	1/2	3,424.00	1/2	3,093.27	1/2	2,762.54	1/2	2,431.75	
3/4	3/4	5,067.09	3/4	4,739.01	3/4	4,409.30	3/4	4,078.57	3/4	3,747.84	3/4	3,417.11	3/4	3,086.38	3/4	2,755.65	3/4	2,424.86	
2	2	5,060.29	2	4,732.16	2	4,402.41	2	4,071.68	2	3,740.95	2	3,410.22	2	3,079.49	2	2,748.76	2	2,417.96	
1/4	1/4	5,053.49	1/4	4,725.31	1/4	4,395.52	1/4	4,064.79	1/4	3,734.06	1/4	3,403.33	1/4	3,072.60	1/4	2,741.87	1/4	2,411.07	
1/2	1/2	5,046.69	1/2	4,718.46	1/2	4,388.63	1/2	4,057.90	1/2	3,727.17	1/2	3,396.44	1/2	3,065.71	1/2	2,734.98	1/2	2,404.17	
3/4	3/4	5,039.90	3/4	4,711.61	3/4	4,381.74	3/4	4,051.01	3/4	3,720.28	3/4	3,389.55	3/4	3,058.82	3/4	2,728.09	3/4	2,397.28	
3	3	5,033.10	3	4,704.76	3	4,374.85	3	4,044.12	3	3,713.39	3	3,382.66	3	3,051.93	3	2,721.20	3	2,390.39	
1/4	1/4	5,026.31	1/4	4,697.91	1/4	4,367.96	1/4	4,037.23	1/4	3,706.50	1/4	3,375.77	1/4	3,045.04	1/4	2,714.31	1/4	2,383.49	
1/2	1/2	5,019.51	1/2	4,691.05	1/2	4,361.07	1/2	4,030.34	1/2	3,699.61	1/2	3,368.88	1/2	3,038.15	1/2	2,707.42	1/2	2,376.60	
3/4	3/4	5,012.71	3/4	4,684.20	3/4	4,354.18	3/4	4,023.45	3/4	3,692.72	3/4	3,361.99	3/4	3,031.26	3/4	2,700.53	3/4	2,369.70	
4	4	5,005.92	4	4,677.35	4	4,347.29	4	4,016.56	4	3,685.83	4	3,355.10	4	3,024.37	4	2,693.64	4	2,362.81	
1/4	1/4	4,999.12	1/4	4,670.50	1/4	4,340.40	1/4	4,009.67	1/4	3,678.94	1/4	3,348.21	1/4	3,017.48	1/4	2,686.75	1/4	2,355.91	
1/2	1/2	4,992.33	1/2	4,663.65	1/2	4,333.51	1/2	4,002.78	1/2	3,672.05	1/2	3,341.32	1/2	3,010.59	1/2	2,679.86	1/2	2,349.02	
3/4	3/4	4,985.52	3/4	4,656.80	3/4	4,326.61	3/4	3,995.89	3/4	3,665.16	3/4	3,334.43	3/4	3,003.70	3/4	2,672.97	3/4	2,342.12	
5	5	4,978.71	5	4,649.95	5	4,319.72	5	3,989.00	5	3,658.27	5	3,327.54	5	2,996.81	5	2,666.08	5	2,335.23	
1/4	1/4	4,971.90	1/4	4,643.10	1/4	4,312.83	1/4	3,982.11	1/4	3,651.38	1/4	3,320.65	1/4	2,989.92	1/4	2,659.19	1/4	2,328.33	
1/2	1/2	4,965.09	1/2	4,636.25	1/2	4,305.94	1/2	3,975.21	1/2	3,644.49	1/2	3,313.76	1/2	2,983.03	1/2	2,652.30	1/2	2,321.44	
3/4	3/4	4,958.24	3/4	4,629.40	3/4	4,299.05	3/4	3,968.32	3/4	3,637.60	3/4	3,306.87	3/4	2,976.14	3/4	2,645.41	3/4	2,314.54	
6	6	4,951.39	6	4,622.55	6	4,292.16	6	3,961.43	6	3,630.70	6	3,299.98	6	2,969.25	6	2,638.52	6	2,307.65	
1/4	1/4	4,944.54	1/4	4,615.69	1/4	4,285.27	1/4	3,954.54	1/4	3,623.81	1/4	3,293.09	1/4	2,962.36	1/4	2,631.63	1/4	2,300.75	
1/2	1/2	4,937.69	1/2	4,608.84	1/2	4,278.38	1/2	3,947.65	1/2	3,616.92	1/2	3,286.19	1/2	2,955.47	1/2	2,624.74	1/2	2,293.86	
3/4	3/4	4,930.84	3/4	4,601.99	3/4	4,271.49	3/4	3,940.76	3/4	3,610.03	3/4	3,279.30	3/4	2,948.58	3/4	2,617.85	3/4	2,286.96	
7	7	4,923.99	7	4,595.14	7	4,264.60	7	3,933.87	7	3,603.14	7	3,272.41	7	2,941.68	7	2,610.96	7	2,280.07	
1/4	1/4	4,917.13	1/4	4,588.29	1/4	4,257.71	1/4	3,926.98	1/4	3,596.25	1/4	3,265.52	1/4	2,934.79	1/4	2,604.07	1/4	2,273.17	
1/2	1/2	4,910.28	1/2	4,581.44	1/2	4,250.82	1/2	3,920.09	1/2	3,589.36	1/2	3,258.63	1/2	2,927.90	1/2	2,597.17	1/2	2,266.28	
3/4	3/4	4,903.43	3/4	4,574.58	3/4	4,243.93	3/4	3,913.20	3/4	3,582.47	3/4	3,251.74	3/4	2,921.01	3/4	2,590.28	3/4	2,259.38	
8	8	4,896.58	8	4,567.72	8	4,237.04	8	3,906.31	8	3,575.58	8	3,244.85	8	2,914.12	8	2,583.39	8	2,252.49	
1/4	1/4	4,889.73	1/4	4,560.85	1/4	4,230.15	1/4	3,899.42	1/4	3,568.69	1/4	3,237.96	1/4	2,907.23	1/4	2,576.50	1/4	2,245.59	
1/2	1/2	4,882.88	1/2	4,553.99	1/2	4,223.26	1/2	3,892.53	1/2	3,561.80	1/2	3,231.07	1/2	2,900.34	1/2	2,569.61	1/2	2,238.70	
3/4	3/4	4,876.03	3/4	4,547.10	3/4	4,216.37	3/4	3,885.64	3/4	3,554.91	3/4	3,224.18	3/4	2,893.45	3/4	2,562.72	3/4	2,231.80	
9	9	4,869.18	9	4,540.21	9	4,209.48	9	3,878.75	9	3,548.02	9	3,217.29	9	2,886.56	9	2,555.83	9	2,224.91	
1/4	1/4	4,862.33	1/4	4,533.32	1/4	4,202.59	1/4	3,871.86	1/4	3,541.13	1/4	3,210.40	1/4	2,879.67	1/4	2,548.94	1/4	2,218.01	
1/2	1/2	4,855.48	1/2	4,526.43	1/2	4,195.70	1/2	3,864.97	1/2	3,534.24	1/2	3,203.51	1/2	2,872.78	1/2	2,542.05	1/2	2,211.12	
3/4	3/4	4,848.63	3/4	4,519.54	3/4	4,188.81	3/4	3,858.08	3/4	3,527.35	3/4	3,196.62	3/4	2,865.89	3/4	2,535.16	3/4	2,204.22	
10	10	4,841.77	10	4,512.65	10	4,181.92	10	3,851.19	10	3,520.46	10	3,189.73	10	2,859.00	10	2,528.27	10	2,197.33	
1/4	1/4	4,834.92	1/4	4,505.76	1/4	4,175.03	1/4	3,844.30	1/4	3,513.57	1/4	3,182.84	1/4	2,852.11	1/4	2,521.38	1/4	2,190.43	
1/2	1/2	4,828.07	1/2	4,498.87	1/2	4,168.14	1/2	3,837.41	1/2	3,506.68	1/2	3,175.95	1/2	2,845.22	1/2	2,514.49	1/2	2,183.54	
3/4	3/4	4,821.22	3/4	4,491.98	3/4	4,161.25	3/4	3,830.52	3/4	3,499.79	3/4	3,169.06	3/4	2,838.33	3/4	2,507.60	3/4	2,176.64	
11	11	4,814.37	11	4,485.09	11	4,154.36	11	3,823.63	11	3,492.90	11	3,162.17	11	2,831.44	11	2,500.70	11	2,169.75	
1/4	1/4	4,807.52	1/4	4,478.20	1/4	4,147.47	1/4	3,816.74	1/4	3,486.01	1/4	3,155.28	1/4	2,824.55	1/4	2,493.81	1/4	2,162.85	
1/2	1/2	4,800.67	1/2	4,471.31	1/2	4,140.58	1/2	3,809.85	1/2	3,479.12	1/2	3,148.39	1/2	2,817.66	1/2	2,486.91	1/2	2,155.96	
3/4	3/4	4,793.82	3/4	4,464.42	3/4	4,133.69	3/4	3,802.96	3/4	3,472.23	3/4	3,141.50	3/4	2,810.77	3/4	2,480.02	3/4	2,149.06	

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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

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 "CTCO 253"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,142.17	0	1,811.21	0	1,480.26	0	1,149.30	0	827.25	0	542.67	0	234.57	0		0		0	
1/4	2,135.27	1/4	1,804.32	1/4	1,473.36	1/4	1,142.41	1/4	820.96	1/4	536.42	1/4	227.99	1/4	1/4	1/4		1/4	
1/2	2,128.38	1/2	1,797.42	1/2	1,466.47	1/2	1,135.51	1/2	814.67	1/2	530.16	1/2	221.40	1/2	1/2	1/2		1/2	
3/4	2,121.48	3/4	1,790.53	3/4	1,459.57	3/4	1,128.62	3/4	809.08	3/4	523.88	3/4	214.79	3/4	3/4	3/4		3/4	
1	2,114.59	1	1,783.63	1	1,452.68	1	1,121.72	1	803.50	1	517.60	1	208.18	1	1	1		1	
1/4	2,107.69	1/4	1,776.74	1/4	1,445.78	1/4	1,114.83	1/4	797.92	1/4	511.32	1/4	201.56	1/4	1/4	1/4		1/4	
1/2	2,100.80	1/2	1,769.84	1/2	1,438.89	1/2	1,107.93	1/2	792.33	1/2	505.04	1/2	194.95	1/2	1/2	1/2		1/2	
3/4	2,093.90	3/4	1,762.95	3/4	1,431.99	3/4	1,101.04	3/4	786.72	3/4	498.73	3/4	188.31	3/4	3/4	3/4		3/4	
2	2,087.01	2	1,756.05	2	1,425.10	2	1,094.14	2	781.11	2	492.42	2	181.67	2	2	2		2	
1/4	2,080.11	1/4	1,749.16	1/4	1,418.20	1/4	1,087.25	1/4	775.50	1/4	486.11	1/4	175.03	1/4	1/4	1/4		1/4	
1/2	2,073.22	1/2	1,742.26	1/2	1,411.31	1/2	1,080.35	1/2	769.89	1/2	479.80	1/2	168.39	1/2	1/2	1/2		1/2	
3/4	2,066.32	3/4	1,735.37	3/4	1,404.41	3/4	1,073.46	3/4	764.25	3/4	473.46	3/4	161.73	3/4	3/4	3/4		3/4	
3	2,059.43	3	1,728.47	3	1,397.52	3	1,066.56	3	758.61	3	467.13	3	155.06	3	3	3		3	
1/4	2,052.53	1/4	1,721.58	1/4	1,390.62	1/4	1,059.67	1/4	752.97	1/4	460.79	1/4	148.39	1/4	1/4	1/4		1/4	
1/2	2,045.64	1/2	1,714.68	1/2	1,383.73	1/2	1,052.77	1/2	747.33	1/2	454.45	1/2	141.72	1/2	1/2	1/2		1/2	
3/4	2,038.75	3/4	1,707.79	3/4	1,376.83	3/4	1,045.88	3/4	741.66	3/4	448.09	3/4	135.03	3/4	3/4	3/4		3/4	
4	2,031.85	4	1,700.90	4	1,369.94	4	1,038.98	4	736.00	4	441.73	4	128.34	4	4	4		4	
1/4	2,024.96	1/4	1,694.00	1/4	1,363.04	1/4	1,032.09	1/4	730.33	1/4	435.36	1/4	121.65	1/4	1/4	1/4		1/4	
1/2	2,018.06	1/2	1,687.11	1/2	1,356.15	1/2	1,025.19	1/2	724.66	1/2	429.00	1/2	114.96	1/2	1/2	1/2		1/2	
3/4	2,011.17	3/4	1,680.21	3/4	1,349.26	3/4	1,018.30	3/4	718.97	3/4	422.61	3/4	108.25	3/4	3/4	3/4		3/4	
5	2,004.27	5	1,673.32	5	1,342.36	5	1,011.41	5	713.27	5	416.21	5	101.55	5	5	5		5	
1/4	1,997.38	1/4	1,666.42	1/4	1,335.47	1/4	1,004.51	1/4	707.58	1/4	409.82	1/4	94.84	1/4	1/4	1/4		1/4	
1/2	1,990.48	1/2	1,659.53	1/2	1,328.57	1/2	997.62	1/2	701.88	1/2	403.43	1/2	88.14	1/2	1/2	1/2		1/2	
3/4	1,983.59	3/4	1,652.63	3/4	1,321.68	3/4	990.81	3/4	696.06	3/4	397.01	3/4	81.59	3/4	3/4	3/4		3/4	
6	1,976.69	6	1,645.74	6	1,314.78	6	984.01	6	690.25	6	390.59	6	75.04	6	6	6		6	
1/4	1,969.80	1/4	1,638.84	1/4	1,307.89	1/4	977.20	1/4	684.43	1/4	384.17	1/4	68.49	1/4	1/4	1/4		1/4	
1/2	1,962.90	1/2	1,631.95	1/2	1,300.99	1/2	970.40	1/2	678.61	1/2	377.75	1/2	61.94	1/2	1/2	1/2		1/2	
3/4	1,956.01	3/4	1,625.05	3/4	1,294.10	3/4	963.86	3/4	672.49	3/4	371.31	3/4	56.20	3/4	3/4	3/4		3/4	
7	1,949.11	7	1,618.16	7	1,287.20	7	957.33	7	666.38	7	364.86	7	50.45	7	7	7		7	
1/4	1,942.22	1/4	1,611.26	1/4	1,280.31	1/4	950.80	1/4	660.26	1/4	358.41	1/4	44.71	1/4	1/4	1/4		1/4	
1/2	1,935.32	1/2	1,604.37	1/2	1,273.41	1/2	944.27	1/2	654.14	1/2	351.97	1/2	38.97	1/2	1/2	1/2		1/2	
3/4	1,928.43	3/4	1,597.47	3/4	1,266.52	3/4	937.74	3/4	648.00	3/4	345.50	3/4	34.58	3/4	3/4	3/4		3/4	
8	1,921.53	8	1,590.58	8	1,259.62	8	931.21	8	641.86	8	339.03	8	30.19	8	8	8		8	
1/4	1,914.64	1/4	1,583.68	1/4	1,252.73	1/4	924.69	1/4	635.71	1/4	332.55	1/4	25.80	1/4	1/4	1/4		1/4	
1/2	1,907.74	1/2	1,576.79	1/2	1,245.83	1/2	918.16	1/2	629.57	1/2	326.08	1/2	21.40	1/2	1/2	1/2		1/2	
3/4	1,900.85	3/4	1,569.89	3/4	1,238.94	3/4	911.63	3/4	623.40	3/4	319.58	3/4		3/4	3/4	3/4		3/4	
9	1,893.95	9	1,563.00	9	1,232.04	9	905.10	9	617.23	9	313.08	9		9	9	9		9	
1/4	1,887.06	1/4	1,556.10	1/4	1,225.15	1/4	898.58	1/4	611.05	1/4	306.59	1/4		1/4	1/4	1/4		1/4	
1/2	1,880.16	1/2	1,549.21	1/2	1,218.25	1/2	892.05	1/2	604.88	1/2	300.09	1/2		1/2	1/2	1/2		1/2	
3/4	1,873.27	3/4	1,542.31	3/4	1,211.36	3/4	885.52	3/4	598.68	3/4	293.56	3/4		3/4	3/4	3/4		3/4	
10	1,866.37	10	1,535.42	10	1,204.46	10	878.99	10	592.48	10	287.03	10		10	10	10		10	
1/4	1,859.48	1/4	1,528.52	1/4	1,197.57	1/4	872.47	1/4	586.29	1/4	280.50	1/4		1/4	1/4	1/4		1/4	
1/2	1,852.58	1/2	1,521.63	1/2	1,190.67	1/2	865.94	1/2	580.09	1/2	273.97	1/2		1/2	1/2	1/2		1/2	
3/4	1,845.69	3/4	1,514.73	3/4	1,183.78	3/4	859.41	3/4	573.86	3/4	267.41	3/4		3/4	3/4	3/4		3/4	
11	1,838.79	11	1,507.84	11	1,176.88	11	852.88	11	567.63	11	260.85	11		11	11	11		11	
1/4	1,831.90	1/4	1,500.94	1/4	1,169.99	1/4	846.36	1/4	561.41	1/4	254.30	1/4		1/4	1/4	1/4		1/4	
1/2	1,825.00	1/2	1,494.05	1/2	1,163.09	1/2	839.83	1/2	555.18	1/2	247.74	1/2		1/2	1/2	1/2		1/2	
3/4	1,818.11	3/4	1,487.15	3/4	1,156.20	3/4	833.54	3/4	548.93	3/4	241.15	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/03/2013 SW - CL
CALCULATED: 06/03/2013 CL
PRINTED: 06/04/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTCO 253"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4	4,505.59	1/4	4,337.79	1/4	4,152.92	1/4	3,955.88	1/4	3,754.03	1/4	3,533.60	1/4	3,204.38	1/4	2,875.16	1/4	2,545.91		
1/2		1/2	4,503.33	1/2	4,334.07	1/2	4,148.93	1/2	3,951.68	1/2	3,749.82	1/2	3,526.74	1/2	3,197.52	1/2	2,868.30	1/2	2,539.05		
3/4		3/4	4,501.07	3/4	4,330.34	3/4	4,144.94	3/4	3,947.47	3/4	3,745.62	3/4	3,519.88	3/4	3,190.66	3/4	2,861.45	3/4	2,532.19		
1	1	1	4,498.12	1	4,326.60	1	4,140.93	1	3,943.27	1	3,741.41	1	3,513.02	1	3,183.80	1	2,854.59	1	2,525.32		
1/4		1/4	4,495.17	1/4	4,322.85	1/4	4,136.92	1/4	3,939.06	1/4	3,737.21	1/4	3,506.16	1/4	3,176.95	1/4	2,847.73	1/4	2,518.46		
1/2		1/2	4,492.22	1/2	4,319.11	1/2	4,132.91	1/2	3,934.86	1/2	3,733.00	1/2	3,499.30	1/2	3,170.09	1/2	2,840.87	1/2	2,511.60		
3/4		3/4	4,489.28	3/4	4,315.36	3/4	4,128.89	3/4	3,930.65	3/4	3,728.80	3/4	3,492.45	3/4	3,163.23	3/4	2,834.01	3/4	2,504.73		
2	2	2	4,485.79	2	4,311.60	2	4,124.86	2	3,926.45	2	3,724.59	2	3,485.59	2	3,156.37	2	2,827.15	2	2,497.87		
1/4		1/4	4,482.31	1/4	4,307.84	1/4	4,120.83	1/4	3,922.24	1/4	3,720.39	1/4	3,478.73	1/4	3,149.51	1/4	2,820.29	1/4	2,491.01		
1/2		1/2	4,478.83	1/2	4,304.07	1/2	4,116.80	1/2	3,918.04	1/2	3,716.18	1/2	3,471.87	1/2	3,142.65	1/2	2,813.43	1/2	2,484.14		
3/4		3/4	4,475.34	3/4	4,300.31	3/4	4,112.77	3/4	3,913.83	3/4	3,711.98	3/4	3,465.01	3/4	3,135.79	3/4	2,806.58	3/4	2,477.28		
3	3	3	4,471.84	3	4,296.53	3	4,108.73	3	3,909.63	3	3,707.77	3	3,458.15	3	3,128.93	3	2,799.72	3	2,470.42		
1/4		1/4	4,468.34	1/4	4,292.74	1/4	4,104.68	1/4	3,905.42	1/4	3,703.57	1/4	3,451.29	1/4	3,122.08	1/4	2,792.86	1/4	2,463.55		
1/2		1/2	4,464.84	1/2	4,288.96	1/2	4,100.63	1/2	3,901.22	1/2	3,699.36	1/2	3,444.43	1/2	3,115.22	1/2	2,786.00	1/2	2,456.69		
3/4		3/4	4,461.34	3/4	4,285.18	3/4	4,096.58	3/4	3,897.01	3/4	3,695.16	3/4	3,437.58	3/4	3,108.36	3/4	2,779.14	3/4	2,449.83		
4	4	4	4,457.82	4	4,281.38	4	4,092.51	4	3,892.81	4	3,690.95	4	3,430.72	4	3,101.50	4	2,772.28	4	2,442.96		
1/4		1/4	4,454.30	1/4	4,277.58	1/4	4,088.44	1/4	3,888.60	1/4	3,686.75	1/4	3,423.86	1/4	3,094.64	1/4	2,765.42	1/4	2,436.10		
1/2		1/2	4,450.79	1/2	4,273.78	1/2	4,084.38	1/2	3,884.39	1/2	3,682.54	1/2	3,417.00	1/2	3,087.78	1/2	2,758.56	1/2	2,429.24		
3/4		3/4	4,447.27	3/4	4,269.98	3/4	4,080.31	3/4	3,880.19	3/4	3,678.33	3/4	3,410.14	3/4	3,080.92	3/4	2,751.71	3/4	2,422.37		
5	5	5	4,443.72	5	4,266.16	5	4,076.22	5	3,875.98	5	3,674.13	5	3,403.28	5	3,074.07	5	2,744.85	5	2,415.51		
1/4		1/4	4,440.16	1/4	4,262.33	1/4	4,072.13	1/4	3,871.78	1/4	3,669.92	1/4	3,396.42	1/4	3,067.21	1/4	2,737.99	1/4	2,408.65		
1/2		1/2	4,436.61	1/2	4,258.51	1/2	4,068.05	1/2	3,867.57	1/2	3,665.72	1/2	3,389.57	1/2	3,060.35	1/2	2,731.13	1/2	2,401.78		
3/4		3/4	4,433.06	3/4	4,254.69	3/4	4,063.96	3/4	3,863.37	3/4	3,661.51	3/4	3,382.71	3/4	3,053.49	3/4	2,724.27	3/4	2,394.92		
6	6	6	4,429.45	6	4,250.86	6	4,059.85	6	3,859.16	6	3,657.31	6	3,375.85	6	3,046.63	6	2,717.41	6	2,388.06		
1/4		1/4	4,425.84	1/4	4,247.02	1/4	4,055.75	1/4	3,854.96	1/4	3,653.10	1/4	3,368.99	1/4	3,039.77	1/4	2,710.55	1/4	2,381.19		
1/2		1/2	4,422.23	1/2	4,243.18	1/2	4,051.64	1/2	3,850.75	1/2	3,648.90	1/2	3,362.13	1/2	3,032.91	1/2	2,703.70	1/2	2,374.33		
3/4		3/4	4,418.61	3/4	4,239.34	3/4	4,047.54	3/4	3,846.55	3/4	3,644.69	3/4	3,355.27	3/4	3,026.05	3/4	2,696.84	3/4	2,367.47		
7	7	7	4,414.98	7	4,235.48	7	4,043.41	7	3,842.34	7	3,640.49	7	3,348.41	7	3,019.20	7	2,689.98	7	2,360.60		
1/4		1/4	4,411.35	1/4	4,231.62	1/4	4,039.29	1/4	3,838.14	1/4	3,636.28	1/4	3,341.55	1/4	3,012.34	1/4	2,683.12	1/4	2,353.74		
1/2		1/2	4,407.72	1/2	4,227.76	1/2	4,035.16	1/2	3,833.93	1/2	3,632.08	1/2	3,334.70	1/2	3,005.48	1/2	2,676.26	1/2	2,346.88		
3/4		3/4	4,404.09	3/4	4,223.91	3/4	4,031.04	3/4	3,829.73	3/4	3,627.87	3/4	3,327.84	3/4	2,998.62	3/4	2,669.40	3/4	2,340.01		
8	8	8	4,400.44	8	4,220.02	8	4,026.89	8	3,825.52	8	3,623.67	8	3,320.98	8	2,991.76	8	2,662.54	8	2,333.15		
1/4		1/4	4,396.79	1/4	4,216.13	1/4	4,022.75	1/4	3,821.32	1/4	3,619.46	1/4	3,314.12	1/4	2,984.90	1/4	2,655.68	1/4	2,326.29		
1/2		1/2	4,393.14	1/2	4,212.25	1/2	4,018.61	1/2	3,817.11	1/2	3,615.26	1/2	3,307.26	1/2	2,978.04	1/2	2,648.83	1/2	2,319.42		
3/4		3/4	4,389.49	3/4	4,208.36	3/4	4,014.46	3/4	3,812.90	3/4	3,611.05	3/4	3,300.40	3/4	2,971.18	3/4	2,641.97	3/4	2,312.56		
9	9	9	4,385.82	9	4,204.42	9	4,010.30	9	3,808.70	9	3,606.84	9	3,293.54	9	2,964.33	9	2,635.11	9	2,305.69		
1/4		1/4	4,382.16	1/4	4,200.49	1/4	4,006.14	1/4	3,804.49	1/4	3,602.64	1/4	3,286.68	1/4	2,957.47	1/4	2,628.25	1/4	2,298.83		
1/2		1/2	4,378.49	1/2	4,196.55	1/2	4,001.97	1/2	3,800.29	1/2	3,598.43	1/2	3,279.83	1/2	2,950.61	1/2	2,621.39	1/2	2,291.97		
3/4		3/4	4,374.82	3/4	4,192.62	3/4	3,997.81	3/4	3,796.08	3/4	3,594.23	3/4	3,272.97	3/4	2,943.75	3/4	2,614.53	3/4	2,285.10		
10	10	10	4,371.13	10	4,188.66	10	3,993.63	10	3,791.88	10	3,589.49	10	3,266.11	10	2,936.89	10	2,607.67	10	2,278.24		
1/4		1/4	4,367.44	1/4	4,184.71	1/4	3,989.45	1/4	3,787.67	1/4	3,584.76	1/4	3,259.25	1/4	2,930.03	1/4	2,600.81	1/4	2,271.38		
1/2		1/2	4,363.76	1/2	4,180.75	1/2	3,985.27	1/2	3,783.47	1/2	3,580.02	1/2	3,252.39	1/2	2,923.17	1/2	2,593.95	1/2	2,264.51		
3/4		3/4	4,360.07	3/4	4,176.80	3/4	3,981.09	3/4	3,779.26	3/4	3,574.75	3/4	3,245.53	3/4	2,916.32	3/4	2,587.09	3/4	2,257.65		
11	11	11	4,356.36	11	4,172.83	11	3,976.89	11	3,775.06	11	3,567.89	11	3,238.67	11	2,909.46	11	2,580.23	11	2,250.79		
1/4		1/4	4,352.65	1/4	4,168.85	1/4	3,972.69	1/4	3,770.85	1/4	3,561.03	1/4	3,231.82	1/4	2,902.60	1/4	2,573.37	1/4	2,243.92		
1/2		1/2	4,348.95	1/2	4,164.88	1/2	3,968.49	1/2	3,766.65	1/2	3,554.17	1/2	3,224.96	1/2	2,895.74	1/2	2,566.50	1/2	2,237.06		
3/4		3/4	4,345.24	3/4	4,160.91	3/4	3,964.30	3/4	3,762.44	3/4	3,547.32	3/4	3,218.10	3/4	2,888.88	3/4	2,559.64	3/4	2,230.20		

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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 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
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTCO 253"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

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	2,223.33	0	1,894.00	0	1,564.56	0	1,235.12	0	905.90	0	576.73	0	247.33	0		0		0	
1/4	2,216.47	1/4	1,887.14	1/4	1,557.70	1/4	1,228.26	1/4	899.05	1/4	569.86	1/4	240.47	1/4	1/4	1/4		1/4	
1/2	2,209.61	1/2	1,880.27	1/2	1,550.84	1/2	1,221.40	1/2	892.20	1/2	563.00	1/2	233.60	1/2	1/2	1/2		1/2	
3/4	2,202.74	3/4	1,873.41	3/4	1,543.97	3/4	1,214.54	3/4	885.35	3/4	556.14	3/4	226.74	3/4	3/4	3/4		3/4	
1	2,195.88	1	1,866.55	1	1,537.11	1	1,207.67	1	878.49	1	549.28	1	219.88	1	1	1		1	
1/4	2,189.02	1/4	1,859.69	1/4	1,530.25	1/4	1,200.81	1/4	871.64	1/4	542.41	1/4	213.01	1/4	1/4	1/4		1/4	
1/2	2,182.15	1/2	1,852.82	1/2	1,523.38	1/2	1,193.95	1/2	864.79	1/2	535.55	1/2	206.15	1/2	1/2	1/2		1/2	
3/4	2,175.29	3/4	1,845.96	3/4	1,516.52	3/4	1,187.08	3/4	857.94	3/4	528.69	3/4	199.29	3/4	3/4	3/4		3/4	
2	2,168.43	2	1,839.10	2	1,509.66	2	1,180.22	2	851.09	2	521.82	2	192.42	2	2	2		2	
1/4	2,161.56	1/4	1,832.23	1/4	1,502.79	1/4	1,173.36	1/4	844.24	1/4	514.96	1/4	185.56	1/4	1/4	1/4		1/4	
1/2	2,154.70	1/2	1,825.37	1/2	1,495.93	1/2	1,166.49	1/2	837.39	1/2	508.10	1/2	178.70	1/2	1/2	1/2		1/2	
3/4	2,147.84	3/4	1,818.51	3/4	1,489.07	3/4	1,159.63	3/4	830.53	3/4	501.23	3/4	171.84	3/4	3/4	3/4		3/4	
3	2,140.97	3	1,811.64	3	1,482.20	3	1,152.77	3	823.68	3	494.37	3	164.97	3	3	3		3	
1/4	2,134.11	1/4	1,804.78	1/4	1,475.34	1/4	1,145.90	1/4	816.83	1/4	487.51	1/4	158.11	1/4	1/4	1/4		1/4	
1/2	2,127.25	1/2	1,797.92	1/2	1,468.48	1/2	1,139.04	1/2	809.98	1/2	480.65	1/2	151.25	1/2	1/2	1/2		1/2	
3/4	2,120.38	3/4	1,791.05	3/4	1,461.61	3/4	1,132.18	3/4	803.13	3/4	473.78	3/4	144.38	3/4	3/4	3/4		3/4	
4	2,113.52	4	1,784.19	4	1,454.75	4	1,125.31	4	796.28	4	466.92	4	137.52	4	4	4		4	
1/4	2,106.66	1/4	1,777.33	1/4	1,447.89	1/4	1,118.45	1/4	789.43	1/4	460.06	1/4	130.67	1/4	1/4	1/4		1/4	
1/2	2,099.79	1/2	1,770.46	1/2	1,441.02	1/2	1,111.59	1/2	782.57	1/2	453.19	1/2	123.81	1/2	1/2	1/2		1/2	
3/4	2,092.93	3/4	1,763.60	3/4	1,434.16	3/4	1,104.72	3/4	775.72	3/4	446.33	3/4	116.95	3/4	3/4	3/4		3/4	
5	2,086.07	5	1,756.74	5	1,427.30	5	1,097.86	5	768.87	5	439.47	5	110.10	5	5	5		5	
1/4	2,079.21	1/4	1,749.87	1/4	1,420.43	1/4	1,091.00	1/4	762.01	1/4	432.60	1/4	103.25	1/4	1/4	1/4		1/4	
1/2	2,072.35	1/2	1,743.01	1/2	1,413.57	1/2	1,084.13	1/2	755.16	1/2	425.74	1/2	96.41	1/2	1/2	1/2		1/2	
3/4	2,065.49	3/4	1,736.15	3/4	1,406.71	3/4	1,077.27	3/4	748.30	3/4	418.88	3/4	89.56	3/4	3/4	3/4		3/4	
6	2,058.63	6	1,729.28	6	1,399.84	6	1,070.41	6	741.44	6	412.02	6	82.90	6	6	6		6	
1/4	2,051.77	1/4	1,722.42	1/4	1,392.98	1/4	1,063.54	1/4	734.58	1/4	405.15	1/4	76.23	1/4	1/4	1/4		1/4	
1/2	2,044.91	1/2	1,715.56	1/2	1,386.12	1/2	1,056.68	1/2	727.71	1/2	398.29	1/2	69.57	1/2	1/2	1/2		1/2	
3/4	2,038.06	3/4	1,708.69	3/4	1,379.25	3/4	1,049.82	3/4	720.85	3/4	391.43	3/4	62.90	3/4	3/4	3/4		3/4	
7	2,031.20	7	1,701.83	7	1,372.39	7	1,042.96	7	713.99	7	384.56	7	57.07	7	7	7		7	
1/4	2,024.34	1/4	1,694.97	1/4	1,365.53	1/4	1,036.09	1/4	707.12	1/4	377.70	1/4	51.24	1/4	1/4	1/4		1/4	
1/2	2,017.48	1/2	1,688.10	1/2	1,358.66	1/2	1,029.23	1/2	700.26	1/2	370.84	1/2	45.41	1/2	1/2	1/2		1/2	
3/4	2,010.62	3/4	1,681.24	3/4	1,351.80	3/4	1,022.37	3/4	693.40	3/4	363.98	3/4	39.58	3/4	3/4	3/4		3/4	
8	2,003.76	8	1,674.38	8	1,344.94	8	1,015.52	8	686.54	8	357.12	8	35.12	8	8	8		8	
1/4	1,996.90	1/4	1,667.51	1/4	1,338.07	1/4	1,008.67	1/4	679.67	1/4	350.26	1/4	30.66	1/4	1/4	1/4		1/4	
1/2	1,990.04	1/2	1,660.65	1/2	1,331.21	1/2	1,001.82	1/2	672.81	1/2	343.40	1/2	26.20	1/2	1/2	1/2		1/2	
3/4	1,983.18	3/4	1,653.79	3/4	1,324.35	3/4	994.97	3/4	665.95	3/4	336.54	3/4	21.73	3/4	3/4	3/4		3/4	
9	1,976.32	9	1,646.92	9	1,317.48	9	988.12	9	659.08	9	329.68	9		9	9	9		9	
1/4	1,969.46	1/4	1,640.06	1/4	1,310.62	1/4	981.27	1/4	652.22	1/4	322.82	1/4		1/4	1/4	1/4		1/4	
1/2	1,962.60	1/2	1,633.20	1/2	1,303.76	1/2	974.41	1/2	645.36	1/2	315.96	1/2		1/2	1/2	1/2		1/2	
3/4	1,955.74	3/4	1,626.33	3/4	1,296.89	3/4	967.56	3/4	638.49	3/4	309.10	3/4		3/4	3/4	3/4		3/4	
10	1,948.88	10	1,619.47	10	1,290.03	10	960.71	10	631.63	10	302.23	10		10	10	10		10	
1/4	1,942.02	1/4	1,612.61	1/4	1,283.17	1/4	953.86	1/4	624.77	1/4	295.37	1/4		1/4	1/4	1/4		1/4	
1/2	1,935.16	1/2	1,605.74	1/2	1,276.30	1/2	947.01	1/2	617.91	1/2	288.51	1/2		1/2	1/2	1/2		1/2	
3/4	1,928.30	3/4	1,598.88	3/4	1,269.44	3/4	940.16	3/4	611.04	3/4	281.64	3/4		3/4	3/4	3/4		3/4	
11	1,921.44	11	1,592.02	11	1,262.58	11	933.31	11	604.18	11	274.78	11		11	11	11		11	
1/4	1,914.58	1/4	1,585.15	1/4	1,255.71	1/4	926.45	1/4	597.32	1/4	267.92	1/4		1/4	1/4	1/4		1/4	
1/2	1,907.72	1/2	1,578.29	1/2	1,248.85	1/2	919.60	1/2	590.45	1/2	261.06	1/2		1/2	1/2	1/2		1/2	
3/4	1,900.86	3/4	1,571.43	3/4	1,241.99	3/4	912.75	3/4	583.59	3/4	254.19	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/03/2013 SW - CL
CALCULATED: 06/03/2013 CL
PRINTED: 06/04/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTCO 253"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	4,321.96	0	4,137.56	0	3,940.88	0	3,738.95	0	3,523.75	0	3,195.05	0	2,867.33	0	2,538.72
1/4		1/4		1/4	4,318.24	1/4	4,133.57	1/4	3,936.67	1/4	3,734.74	1/4	3,516.89	1/4	3,188.21	1/4	2,860.49	1/4	2,531.87
1/2		1/2	4,482.37	1/2	4,314.51	1/2	4,129.57	1/2	3,932.46	1/2	3,730.54	1/2	3,510.03	1/2	3,181.36	1/2	2,853.64	1/2	2,525.02
3/4		3/4	4,480.11	3/4	4,310.78	3/4	4,125.58	3/4	3,928.26	3/4	3,726.33	3/4	3,503.17	3/4	3,174.52	3/4	2,846.79	3/4	2,518.16
1		1	4,477.84	1	4,307.06	1	4,121.59	1	3,924.05	1	3,722.12	1	3,496.31	1	3,167.67	1	2,839.95	1	2,511.31
1/4		1/4	4,474.90	1/4	4,303.31	1/4	4,117.58	1/4	3,919.84	1/4	3,717.92	1/4	3,489.45	1/4	3,160.82	1/4	2,833.10	1/4	2,504.46
1/2		1/2	4,471.95	1/2	4,299.57	1/2	4,113.56	1/2	3,915.63	1/2	3,713.71	1/2	3,482.59	1/2	3,153.98	1/2	2,826.26	1/2	2,497.61
3/4		3/4	4,469.00	3/4	4,295.82	3/4	4,109.55	3/4	3,911.43	3/4	3,709.50	3/4	3,475.73	3/4	3,147.13	3/4	2,819.41	3/4	2,490.76
2		2	4,466.05	2	4,292.07	2	4,105.54	2	3,907.22	2	3,705.29	2	3,468.88	2	3,140.29	2	2,812.57	2	2,483.91
1/4		1/4	4,462.57	1/4	4,288.31	1/4	4,101.51	1/4	3,903.01	1/4	3,701.09	1/4	3,462.03	1/4	3,133.45	1/4	2,805.72	1/4	2,477.06
1/2		1/2	4,459.08	1/2	4,284.54	1/2	4,097.47	1/2	3,898.81	1/2	3,696.88	1/2	3,455.19	1/2	3,126.61	1/2	2,798.87	1/2	2,470.21
3/4		3/4	4,455.60	3/4	4,280.78	3/4	4,093.44	3/4	3,894.60	3/4	3,692.67	3/4	3,448.34	3/4	3,119.78	3/4	2,792.03	3/4	2,463.36
3		3	4,452.11	3	4,277.01	3	4,089.41	3	3,890.39	3	3,688.47	3	3,441.49	3	3,112.94	3	2,785.18	3	2,456.51
1/4		1/4	4,448.61	1/4	4,273.23	1/4	4,085.36	1/4	3,886.19	1/4	3,684.26	1/4	3,434.65	1/4	3,106.13	1/4	2,778.34	1/4	2,449.66
1/2		1/2	4,445.11	1/2	4,269.45	1/2	4,081.31	1/2	3,881.98	1/2	3,680.05	1/2	3,427.80	1/2	3,099.32	1/2	2,771.49	1/2	2,442.81
3/4		3/4	4,441.61	3/4	4,265.66	3/4	4,077.26	3/4	3,877.77	3/4	3,675.85	3/4	3,420.96	3/4	3,092.51	3/4	2,764.65	3/4	2,435.96
4		4	4,438.11	4	4,261.88	4	4,073.21	4	3,873.57	4	3,671.64	4	3,414.11	4	3,085.70	4	2,757.80	4	2,429.11
1/4		1/4	4,434.59	1/4	4,258.08	1/4	4,069.14	1/4	3,869.36	1/4	3,667.43	1/4	3,407.27	1/4	3,078.89	1/4	2,750.96	1/4	2,422.26
1/2		1/2	4,431.07	1/2	4,254.27	1/2	4,065.07	1/2	3,865.15	1/2	3,663.23	1/2	3,400.42	1/2	3,072.08	1/2	2,744.11	1/2	2,415.41
3/4		3/4	4,427.55	3/4	4,250.47	3/4	4,061.00	3/4	3,860.95	3/4	3,659.02	3/4	3,393.58	3/4	3,065.27	3/4	2,737.26	3/4	2,408.56
5		5	4,424.03	5	4,246.67	5	4,056.93	5	3,856.74	5	3,654.81	5	3,386.73	5	3,058.46	5	2,730.42	5	2,401.71
1/4		1/4	4,420.47	1/4	4,242.85	1/4	4,052.84	1/4	3,852.53	1/4	3,650.61	1/4	3,379.88	1/4	3,051.66	1/4	2,723.57	1/4	2,394.86
1/2		1/2	4,416.92	1/2	4,239.03	1/2	4,048.76	1/2	3,848.33	1/2	3,646.40	1/2	3,373.04	1/2	3,044.85	1/2	2,716.73	1/2	2,388.01
3/4		3/4	4,413.37	3/4	4,235.20	3/4	4,044.67	3/4	3,844.12	3/4	3,642.19	3/4	3,366.19	3/4	3,038.04	3/4	2,709.88	3/4	2,381.16
6		6	4,409.82	6	4,231.38	6	4,040.58	6	3,839.91	6	3,637.99	6	3,359.35	6	3,031.23	6	2,703.04	6	2,374.31
1/4		1/4	4,406.20	1/4	4,227.54	1/4	4,036.47	1/4	3,835.71	1/4	3,633.78	1/4	3,352.50	1/4	3,024.42	1/4	2,696.19	1/4	2,367.46
1/2		1/2	4,402.59	1/2	4,223.70	1/2	4,032.36	1/2	3,831.50	1/2	3,629.57	1/2	3,345.66	1/2	3,017.61	1/2	2,689.35	1/2	2,360.61
3/4		3/4	4,398.98	3/4	4,219.86	3/4	4,028.26	3/4	3,827.29	3/4	3,625.37	3/4	3,338.81	3/4	3,010.80	3/4	2,682.50	3/4	2,353.76
7		7	4,395.36	7	4,216.02	7	4,024.15	7	3,823.09	7	3,621.16	7	3,331.96	7	3,003.99	7	2,675.65	7	2,346.91
1/4		1/4	4,391.73	1/4	4,212.16	1/4	4,020.02	1/4	3,818.88	1/4	3,616.95	1/4	3,325.12	1/4	2,997.18	1/4	2,668.81	1/4	2,340.06
1/2		1/2	4,388.10	1/2	4,208.30	1/2	4,015.90	1/2	3,814.67	1/2	3,612.75	1/2	3,318.27	1/2	2,990.37	1/2	2,661.96	1/2	2,333.21
3/4		3/4	4,384.47	3/4	4,204.44	3/4	4,011.77	3/4	3,810.46	3/4	3,608.54	3/4	3,311.43	3/4	2,983.56	3/4	2,655.12	3/4	2,326.36
8		8	4,380.83	8	4,200.58	8	4,007.64	8	3,806.26	8	3,604.33	8	3,304.58	8	2,976.75	8	2,648.27	8	2,319.51
1/4		1/4	4,377.18	1/4	4,196.69	1/4	4,003.50	1/4	3,802.05	1/4	3,600.12	1/4	3,297.74	1/4	2,969.93	1/4	2,641.43	1/4	2,312.66
1/2		1/2	4,373.53	1/2	4,192.81	1/2	3,999.35	1/2	3,797.84	1/2	3,595.92	1/2	3,290.89	1/2	2,963.11	1/2	2,634.58	1/2	2,305.81
3/4		3/4	4,369.88	3/4	4,188.92	3/4	3,995.21	3/4	3,793.64	3/4	3,591.71	3/4	3,284.05	3/4	2,956.30	3/4	2,627.73	3/4	2,298.96
9		9	4,366.23	9	4,185.03	9	3,991.06	9	3,789.43	9	3,587.50	9	3,277.20	9	2,949.48	9	2,620.89	9	2,292.11
1/4		1/4	4,362.56	1/4	4,181.09	1/4	3,986.90	1/4	3,785.22	1/4	3,583.30	1/4	3,270.35	1/4	2,942.63	1/4	2,614.04	1/4	2,285.26
1/2		1/2	4,358.89	1/2	4,177.16	1/2	3,982.74	1/2	3,781.02	1/2	3,579.09	1/2	3,263.51	1/2	2,935.79	1/2	2,607.20	1/2	2,278.41
3/4		3/4	4,355.22	3/4	4,173.22	3/4	3,978.57	3/4	3,776.81	3/4	3,574.88	3/4	3,256.66	3/4	2,928.94	3/4	2,600.35	3/4	2,271.56
10		10	4,351.55	10	4,169.28	10	3,974.41	10	3,772.60	10	3,570.68	10	3,249.82	10	2,922.10	10	2,593.51	10	2,264.71
1/4		1/4	4,347.86	1/4	4,165.33	1/4	3,970.22	1/4	3,768.40	1/4	3,565.94	1/4	3,242.97	1/4	2,915.25	1/4	2,586.66	1/4	2,257.86
1/2		1/2	4,344.17	1/2	4,161.37	1/2	3,966.04	1/2	3,764.19	1/2	3,561.20	1/2	3,236.13	1/2	2,908.40	1/2	2,579.81	1/2	2,251.01
3/4		3/4	4,340.48	3/4	4,157.42	3/4	3,961.86	3/4	3,759.98	3/4	3,556.46	3/4	3,229.28	3/4	2,901.56	3/4	2,572.96	3/4	2,244.16
11		11	4,336.80	11	4,153.46	11	3,957.67	11	3,755.78	11	3,551.20	11	3,222.44	11	2,894.71	11	2,566.12	11	2,237.31
1/4		1/4	4,333.09	1/4	4,149.49	1/4	3,953.47	1/4	3,751.57	1/4	3,544.33	1/4	3,215.59	1/4	2,887.87	1/4	2,559.27	1/4	2,230.46
1/2		1/2	4,329.38	1/2	4,145.51	1/2	3,949.28	1/2	3,747.36	1/2	3,537.47	1/2	3,208.74	1/2	2,881.02	1/2	2,552.42	1/2	2,223.61
3/4		3/4	4,325.67	3/4	4,141.54	3/4	3,945.08	3/4	3,743.16	3/4	3,530.61	3/4	3,201.90	3/4	2,874.18	3/4	2,545.57	3/4	2,216.76

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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 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
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTCO 253"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,209.91		1,881.21		1,552.63		1,224.06		903.13		583.59		254.31						
1/4	2,203.06	1/4	1,874.37	1/4	1,545.79	1/4	1,217.21	1/4	896.62	1/4	576.73	1/4	247.44	1/4	1/4				1/4
1/2	2,196.21	1/2	1,867.52	1/2	1,538.94	1/2	1,210.36	1/2	890.11	1/2	569.88	1/2	240.58	1/2	1/2				1/2
3/4	2,189.36	3/4	1,860.68	3/4	1,532.10	3/4	1,203.52	3/4	883.60	3/4	563.03	3/4	233.71	3/4	3/4				3/4
1	2,182.51	1	1,853.83	1	1,525.25	1	1,196.67	1	877.09	1	556.17	1	226.84	1	1				1
1/4	2,175.65	1/4	1,846.99	1/4	1,518.41	1/4	1,189.83	1/4	870.57	1/4	549.32	1/4	219.98	1/4	1/4				1/4
1/2	2,168.80	1/2	1,840.14	1/2	1,511.56	1/2	1,182.98	1/2	864.06	1/2	542.46	1/2	213.11	1/2	1/2				1/2
3/4	2,161.95	3/4	1,833.30	3/4	1,504.72	3/4	1,176.14	3/4	857.55	3/4	535.61	3/4	206.25	3/4	3/4				3/4
2	2,155.10	2	1,826.45	2	1,497.87	2	1,169.29	2	851.04	2	528.76	2	199.38	2	2				2
1/4	2,148.25	1/4	1,819.60	1/4	1,491.03	1/4	1,162.45	1/4	844.53	1/4	521.90	1/4	192.51	1/4	1/4				1/4
1/2	2,141.40	1/2	1,812.76	1/2	1,484.18	1/2	1,155.61	1/2	838.02	1/2	515.05	1/2	185.65	1/2	1/2				1/2
3/4	2,134.55	3/4	1,805.91	3/4	1,477.33	3/4	1,148.77	3/4	831.51	3/4	508.19	3/4	178.78	3/4	3/4				3/4
3	2,127.70	3	1,799.07	3	1,470.49	3	1,141.92	3	825.00	3	501.34	3	171.92	3	3				3
1/4	2,120.85	1/4	1,792.22	1/4	1,463.64	1/4	1,135.09	1/4	818.49	1/4	494.48	1/4	165.05	1/4	1/4				1/4
1/2	2,114.00	1/2	1,785.38	1/2	1,456.80	1/2	1,128.26	1/2	811.98	1/2	487.63	1/2	158.19	1/2	1/2				1/2
3/4	2,107.15	3/4	1,778.53	3/4	1,449.95	3/4	1,121.43	3/4	805.47	3/4	480.78	3/4	151.32	3/4	3/4				3/4
4	2,100.30	4	1,771.69	4	1,443.11	4	1,114.60	4	798.96	4	473.92	4	144.45	4	4				4
1/4	2,093.45	1/4	1,764.84	1/4	1,436.26	1/4	1,107.76	1/4	792.45	1/4	467.07	1/4	137.59	1/4	1/4				1/4
1/2	2,086.60	1/2	1,758.00	1/2	1,429.42	1/2	1,100.93	1/2	785.94	1/2	460.21	1/2	130.73	1/2	1/2				1/2
3/4	2,079.75	3/4	1,751.15	3/4	1,422.57	3/4	1,094.10	3/4	779.42	3/4	453.36	3/4	123.87	3/4	3/4				3/4
5	2,072.90	5	1,744.31	5	1,415.73	5	1,087.27	5	772.91	5	446.50	5	117.01	5	5				5
1/4	2,066.05	1/4	1,737.46	1/4	1,408.88	1/4	1,080.45	1/4	766.40	1/4	439.64	1/4	110.16	1/4	1/4				1/4
1/2	2,059.20	1/2	1,730.61	1/2	1,402.04	1/2	1,073.63	1/2	759.89	1/2	432.78	1/2	103.31	1/2	1/2				1/2
3/4	2,052.35	3/4	1,723.77	3/4	1,395.19	3/4	1,066.81	3/4	753.38	3/4	425.92	3/4	96.46	3/4	3/4				3/4
6	2,045.50	6	1,716.92	6	1,388.34	6	1,059.99	6	746.87	6	419.05	6	89.61	6	6				6
1/4	2,038.66	1/4	1,710.08	1/4	1,381.50	1/4	1,053.27	1/4	740.29	1/4	412.19	1/4	82.94	1/4	1/4				1/4
1/2	2,031.81	1/2	1,703.23	1/2	1,374.65	1/2	1,046.55	1/2	733.70	1/2	405.32	1/2	76.27	1/2	1/2				1/2
3/4	2,024.97	3/4	1,696.39	3/4	1,367.81	3/4	1,039.84	3/4	727.12	3/4	398.46	3/4	69.61	3/4	3/4				3/4
7	2,018.12	7	1,689.54	7	1,360.96	7	1,033.12	7	720.53	7	391.59	7	62.94	7	7				7
1/4	2,011.28	1/4	1,682.70	1/4	1,354.12	1/4	1,026.63	1/4	713.71	1/4	384.73	1/4	57.11	1/4	1/4				1/4
1/2	2,004.43	1/2	1,675.85	1/2	1,347.27	1/2	1,020.13	1/2	706.89	1/2	377.86	1/2	51.27	1/2	1/2				1/2
3/4	1,997.59	3/4	1,669.01	3/4	1,340.43	3/4	1,013.63	3/4	700.07	3/4	371.00	3/4	45.44	3/4	3/4				3/4
8	1,990.74	8	1,662.16	8	1,333.58	8	1,007.14	8	693.25	8	364.13	8	39.60	8	8				8
1/4	1,983.89	1/4	1,655.32	1/4	1,326.74	1/4	1,000.64	1/4	686.40	1/4	357.27	1/4	35.14	1/4	1/4				1/4
1/2	1,977.05	1/2	1,648.47	1/2	1,319.89	1/2	994.14	1/2	679.55	1/2	350.41	1/2	30.68	1/2	1/2				1/2
3/4	1,970.20	3/4	1,641.62	3/4	1,313.05	3/4	987.65	3/4	672.69	3/4	343.55	3/4	26.22	3/4	3/4				3/4
9	1,963.36	9	1,634.78	9	1,306.20	9	981.15	9	665.84	9	336.68	9	21.75	9	9				9
1/4	1,956.51	1/4	1,627.93	1/4	1,299.35	1/4	974.65	1/4	658.98	1/4	329.82	1/4	17.88	1/4	1/4				1/4
1/2	1,949.67	1/2	1,621.09	1/2	1,292.51	1/2	968.16	1/2	652.13	1/2	322.96	1/2	13.92	1/2	1/2				1/2
3/4	1,942.82	3/4	1,614.24	3/4	1,285.66	3/4	961.66	3/4	645.27	3/4	316.10	3/4	9.96	3/4	3/4				3/4
10	1,935.98	10	1,607.40	10	1,278.82	10	955.17	10	638.42	10	309.23	10	7.00	10	10				10
1/4	1,929.13	1/4	1,600.55	1/4	1,271.97	1/4	948.67	1/4	631.57	1/4	302.37	1/4	3.04	1/4	1/4				1/4
1/2	1,922.29	1/2	1,593.71	1/2	1,265.13	1/2	942.17	1/2	624.71	1/2	295.50	1/2	1.08	1/2	1/2				1/2
3/4	1,915.44	3/4	1,586.86	3/4	1,258.28	3/4	935.67	3/4	617.86	3/4	288.64	3/4	0.12	3/4	3/4				3/4
11	1,908.60	11	1,580.02	11	1,251.44	11	929.17	11	611.00	11	281.77	11	0.16	11	11				11
1/4	1,901.75	1/4	1,573.17	1/4	1,244.59	1/4	922.66	1/4	604.15	1/4	274.91	1/4	0.20	1/4	1/4				1/4
1/2	1,894.90	1/2	1,566.33	1/2	1,237.75	1/2	916.15	1/2	597.30	1/2	268.04	1/2	0.24	1/2	1/2				1/2
3/4	1,888.06	3/4	1,559.48	3/4	1,230.90	3/4	909.64	3/4	590.44	3/4	261.17	3/4	0.28	3/4	3/4				3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/03/2013 SW - CL
CALCULATED: 06/03/2013 CL
PRINTED: 06/04/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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