



BARGE "CTCO 252"

INNAGE 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	00-3/8	- 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 INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 252'-09"

May 17, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCO 252"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/2"

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	21.90	0	339.22	0	671.25	0	1,002.90	0	1,334.91	0	1,666.98	0	1,999.05	0	2,331.12	0	2,663.15	0	2,995.00
1/4	26.40	1/4	346.13	1/4	678.17	1/4	1,009.81	1/4	1,341.83	1/4	1,673.90	1/4	2,005.96	1/4	2,338.03	1/4	2,670.07	1/4	3,001.91
1/2	30.90	1/2	353.05	1/2	685.09	1/2	1,016.71	1/2	1,348.75	1/2	1,680.81	1/2	2,012.88	1/2	2,344.95	1/2	2,676.98	1/2	3,008.83
3/4	35.39	3/4	359.96	3/4	692.01	3/4	1,023.62	3/4	1,355.66	3/4	1,687.73	3/4	2,019.80	3/4	2,351.87	3/4	2,683.89	3/4	3,015.74
1	39.89	1	366.87	1	698.93	1	1,030.52	1	1,362.58	1	1,694.65	1	2,026.72	1	2,358.79	1	2,690.81	1	3,022.65
1/4	45.77	1/4	373.79	1/4	705.84	1/4	1,037.44	1/4	1,369.50	1/4	1,701.57	1/4	2,033.64	1/4	2,365.71	1/4	2,697.72	1/4	3,029.57
1/2	51.64	1/2	380.71	1/2	712.76	1/2	1,044.35	1/2	1,376.42	1/2	1,708.49	1/2	2,040.56	1/2	2,372.62	1/2	2,704.63	1/2	3,036.48
3/4	57.52	3/4	387.63	3/4	719.68	3/4	1,051.27	3/4	1,383.34	3/4	1,715.40	3/4	2,047.47	3/4	2,379.54	3/4	2,711.55	3/4	3,043.39
2	63.40	2	394.54	2	726.60	2	1,058.19	2	1,390.25	2	1,722.32	2	2,054.39	2	2,386.46	2	2,718.46	2	3,050.31
1/4	70.12	1/4	401.46	1/4	733.51	1/4	1,065.10	1/4	1,397.17	1/4	1,729.24	1/4	2,061.31	1/4	2,393.38	1/4	2,725.37	1/4	3,057.22
1/2	76.84	1/2	408.38	1/2	740.43	1/2	1,072.02	1/2	1,404.09	1/2	1,736.16	1/2	2,068.23	1/2	2,400.30	1/2	2,732.29	1/2	3,064.14
3/4	83.55	3/4	415.30	3/4	747.35	3/4	1,078.94	3/4	1,411.01	3/4	1,743.08	3/4	2,075.15	3/4	2,407.21	3/4	2,739.20	3/4	3,071.05
3	90.27	3	422.21	3	754.27	3	1,085.86	3	1,417.93	3	1,750.00	3	2,082.06	3	2,414.13	3	2,746.11	3	3,077.96
1/4	97.17	1/4	429.13	1/4	761.18	1/4	1,092.78	1/4	1,424.84	1/4	1,756.91	1/4	2,088.98	1/4	2,421.05	1/4	2,753.03	1/4	3,084.88
1/2	104.07	1/2	436.05	1/2	768.09	1/2	1,099.69	1/2	1,431.76	1/2	1,763.83	1/2	2,095.90	1/2	2,427.97	1/2	2,759.94	1/2	3,091.79
3/4	110.97	3/4	442.97	3/4	775.00	3/4	1,106.61	3/4	1,438.68	3/4	1,770.75	3/4	2,102.82	3/4	2,434.89	3/4	2,766.85	3/4	3,098.70
4	117.87	4	449.88	4	781.90	4	1,113.53	4	1,445.60	4	1,777.67	4	2,109.74	4	2,441.81	4	2,773.77	4	3,105.62
1/4	124.79	1/4	456.80	1/4	788.81	1/4	1,120.45	1/4	1,452.52	1/4	1,784.59	1/4	2,116.65	1/4	2,448.72	1/4	2,780.68	1/4	3,112.53
1/2	131.70	1/2	463.72	1/2	795.72	1/2	1,127.37	1/2	1,459.44	1/2	1,791.50	1/2	2,123.57	1/2	2,455.64	1/2	2,787.60	1/2	3,119.44
3/4	138.62	3/4	470.64	3/4	802.62	3/4	1,134.28	3/4	1,466.35	3/4	1,798.42	3/4	2,130.49	3/4	2,462.56	3/4	2,794.51	3/4	3,126.36
5	145.53	5	477.56	5	809.53	5	1,141.20	5	1,473.27	5	1,805.34	5	2,137.41	5	2,469.48	5	2,801.42	5	3,133.27
1/4	152.45	1/4	484.47	1/4	816.43	1/4	1,148.12	1/4	1,480.19	1/4	1,812.26	1/4	2,144.33	1/4	2,476.40	1/4	2,808.34	1/4	3,140.18
1/2	159.37	1/2	491.39	1/2	823.34	1/2	1,155.04	1/2	1,487.11	1/2	1,819.18	1/2	2,151.25	1/2	2,483.31	1/2	2,815.25	1/2	3,147.10
3/4	166.28	3/4	498.31	3/4	830.25	3/4	1,161.96	3/4	1,494.03	3/4	1,826.09	3/4	2,158.16	3/4	2,490.23	3/4	2,822.16	3/4	3,154.01
6	173.20	6	505.23	6	837.15	6	1,168.87	6	1,500.94	6	1,833.01	6	2,165.08	6	2,497.15	6	2,829.08	6	3,160.92
1/4	180.12	1/4	512.15	1/4	844.06	1/4	1,175.79	1/4	1,507.86	1/4	1,839.93	1/4	2,172.00	1/4	2,504.07	1/4	2,835.99	1/4	3,167.84
1/2	187.04	1/2	519.06	1/2	850.97	1/2	1,182.71	1/2	1,514.78	1/2	1,846.85	1/2	2,178.92	1/2	2,510.99	1/2	2,842.90	1/2	3,174.75
3/4	193.95	3/4	525.98	3/4	857.87	3/4	1,189.63	3/4	1,521.70	3/4	1,853.77	3/4	2,185.84	3/4	2,517.90	3/4	2,849.82	3/4	3,181.66
7	200.87	7	532.90	7	864.78	7	1,196.55	7	1,528.62	7	1,860.68	7	2,192.75	7	2,524.82	7	2,856.73	7	3,188.58
1/4	207.79	1/4	539.82	1/4	871.68	1/4	1,203.47	1/4	1,535.53	1/4	1,867.60	1/4	2,199.67	1/4	2,531.74	1/4	2,863.64	1/4	3,195.49
1/2	214.71	1/2	546.73	1/2	878.59	1/2	1,210.38	1/2	1,542.45	1/2	1,874.52	1/2	2,206.59	1/2	2,538.66	1/2	2,870.56	1/2	3,202.41
3/4	221.63	3/4	553.65	3/4	885.50	3/4	1,217.30	3/4	1,549.37	3/4	1,881.44	3/4	2,213.51	3/4	2,545.58	3/4	2,877.47	3/4	3,209.32
8	228.54	8	560.57	8	892.40	8	1,224.22	8	1,556.29	8	1,888.36	8	2,220.43	8	2,552.49	8	2,884.38	8	3,216.23
1/4	235.46	1/4	567.49	1/4	899.31	1/4	1,231.14	1/4	1,563.21	1/4	1,895.28	1/4	2,227.34	1/4	2,559.41	1/4	2,891.30	1/4	3,223.15
1/2	242.38	1/2	574.41	1/2	906.21	1/2	1,238.06	1/2	1,570.12	1/2	1,902.19	1/2	2,234.26	1/2	2,566.33	1/2	2,898.21	1/2	3,230.06
3/4	249.30	3/4	581.32	3/4	913.12	3/4	1,244.97	3/4	1,577.04	3/4	1,909.11	3/4	2,241.18	3/4	2,573.25	3/4	2,905.12	3/4	3,236.97
9	256.21	9	588.24	9	920.03	9	1,251.89	9	1,583.96	9	1,916.03	9	2,248.10	9	2,580.17	9	2,912.04	9	3,243.89
1/4	263.13	1/4	595.16	1/4	926.93	1/4	1,258.81	1/4	1,590.88	1/4	1,922.95	1/4	2,255.02	1/4	2,587.09	1/4	2,918.95	1/4	3,250.80
1/2	270.05	1/2	602.08	1/2	933.84	1/2	1,265.73	1/2	1,597.80	1/2	1,929.87	1/2	2,261.93	1/2	2,594.00	1/2	2,925.87	1/2	3,257.71
3/4	276.97	3/4	608.99	3/4	940.74	3/4	1,272.65	3/4	1,604.72	3/4	1,936.78	3/4	2,268.85	3/4	2,600.92	3/4	2,932.78	3/4	3,264.63
10	283.89	10	615.91	10	947.65	10	1,279.56	10	1,611.63	10	1,943.70	10	2,275.77	10	2,607.84	10	2,939.69	10	3,271.54
1/4	290.80	1/4	622.83	1/4	954.56	1/4	1,286.48	1/4	1,618.55	1/4	1,950.62	1/4	2,282.69	1/4	2,614.75	1/4	2,946.61	1/4	3,278.45
1/2	297.72	1/2	629.75	1/2	961.46	1/2	1,293.40	1/2	1,625.47	1/2	1,957.54	1/2	2,289.61	1/2	2,621.67	1/2	2,953.52	1/2	3,285.37
3/4	304.64	3/4	636.67	3/4	968.37	3/4	1,300.32	3/4	1,632.39	3/4	1,964.46	3/4	2,296.53	3/4	2,628.58	3/4	2,960.43	3/4	3,292.28
11	311.56	11	643.58	11	975.28	11	1,307.24	11	1,639.31	11	1,971.37	11	2,303.44	11	2,635.50	11	2,967.35	11	3,299.19
1/4	318.47	1/4	650.50	1/4	982.18	1/4	1,314.15	1/4	1,646.22	1/4	1,978.29	1/4	2,310.36	1/4	2,642.41	1/4	2,974.26	1/4	3,306.11
1/2	325.39	1/2	657.42	1/2	989.09	1/2	1,321.07	1/2	1,653.14	1/2	1,985.21	1/2	2,317.28	1/2	2,649.33	1/2	2,981.17	1/2	3,313.02
3/4	332.30	3/4	664.34	3/4	995.99	3/4	1,327.99	3/4	1,660.06	3/4	1,992.13	3/4	2,324.20	3/4	2,656.24	3/4	2,988.09	3/4	3,319.93

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'-09" 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 252"

1 PORT INNAGE 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	3,326.85	0	3,658.70	0	3,990.54	0	4,321.95	0	4,642.19	0	4,944.65	0		0		0		0	
1/4	3,333.76	1/4	3,665.61	1/4	3,997.46	1/4	4,328.78	1/4	4,648.65	1/4	4,950.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,340.68	1/2	3,672.52	1/2	4,004.37	1/2	4,335.60	1/2	4,655.11	1/2	4,956.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,347.59	3/4	3,679.44	3/4	4,011.28	3/4	4,342.42	3/4	4,661.57	3/4	4,963.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,354.50	1	3,686.35	1	4,018.20	1	4,349.25	1	4,668.04	1	4,969.13	1	1	1	1	1	1	1	1
1/4	3,361.42	1/4	3,693.26	1/4	4,025.11	1/4	4,356.04	1/4	4,674.46	1/4	4,975.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,368.33	1/2	3,700.18	1/2	4,032.03	1/2	4,362.84	1/2	4,680.89	1/2	4,981.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,375.24	3/4	3,707.09	3/4	4,038.94	3/4	4,369.63	3/4	4,687.31	3/4	4,987.41	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,382.16	2	3,714.00	2	4,045.85	2	4,376.43	2	4,693.74	2	4,993.51	2	2	2	2	2	2	2	2
1/4	3,389.07	1/4	3,720.92	1/4	4,052.77	1/4	4,383.20	1/4	4,700.13	1/4	4,999.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,395.98	1/2	3,727.83	1/2	4,059.68	1/2	4,389.97	1/2	4,706.53	1/2	5,005.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,402.90	3/4	3,734.74	3/4	4,066.59	3/4	4,396.73	3/4	4,712.93	3/4	5,011.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,409.81	3	3,741.66	3	4,073.51	3	4,403.50	3	4,719.32	3	5,017.77	3	3	3	3	3	3	3	3
1/4	3,416.72	1/4	3,748.57	1/4	4,080.42	1/4	4,410.24	1/4	4,725.69	1/4	5,023.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,423.64	1/2	3,755.49	1/2	4,087.33	1/2	4,416.98	1/2	4,732.06	1/2	5,029.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,430.55	3/4	3,762.40	3/4	4,094.25	3/4	4,423.72	3/4	4,738.43	3/4	5,035.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,437.46	4	3,769.31	4	4,101.16	4	4,430.47	4	4,744.80	4	5,041.75	4	4	4	4	4	4	4	4
1/4	3,444.38	1/4	3,776.23	1/4	4,108.07	1/4	4,437.18	1/4	4,751.15	1/4	5,047.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,451.29	1/2	3,783.14	1/2	4,114.99	1/2	4,443.89	1/2	4,757.49	1/2	5,053.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,458.20	3/4	3,790.05	3/4	4,121.90	3/4	4,450.60	3/4	4,763.83	3/4	5,059.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,465.12	5	3,796.97	5	4,128.81	5	4,457.32	5	4,770.17	5	5,065.57	5	5	5	5	5	5	5	5
1/4	3,472.03	1/4	3,803.88	1/4	4,135.73	1/4	4,464.00	1/4	4,776.49	1/4	5,071.50	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,478.95	1/2	3,810.79	1/2	4,142.64	1/2	4,470.69	1/2	4,782.80	1/2	5,077.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,485.86	3/4	3,817.71	3/4	4,149.55	3/4	4,477.37	3/4	4,789.11	3/4	5,083.36	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,492.77	6	3,824.62	6	4,156.47	6	4,484.06	6	4,795.43	6	5,089.29	6	6	6	6	6	6	6	6
1/4	3,499.69	1/4	3,831.53	1/4	4,163.38	1/4	4,490.72	1/4	4,801.71	1/4	5,095.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,506.60	1/2	3,838.45	1/2	4,170.30	1/2	4,497.38	1/2	4,808.00	1/2	5,101.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,513.51	3/4	3,845.36	3/4	4,177.21	3/4	4,504.03	3/4	4,814.29	3/4	5,106.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,520.43	7	3,852.27	7	4,184.12	7	4,510.69	7	4,820.57	7	5,112.89	7	7	7	7	7	7	7	7
1/4	3,527.34	1/4	3,859.19	1/4	4,191.04	1/4	4,517.32	1/4	4,826.83	1/4	5,118.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,534.25	1/2	3,866.10	1/2	4,197.95	1/2	4,523.95	1/2	4,833.09	1/2	5,123.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,541.17	3/4	3,873.01	3/4	4,204.86	3/4	4,530.58	3/4	4,839.35	3/4	5,128.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,548.08	8	3,879.93	8	4,211.78	8	4,537.21	8	4,845.61	8	5,134.31	8	8	8	8	8	8	8	8
1/4	3,554.99	1/4	3,886.84	1/4	4,218.69	1/4	4,543.81	1/4	4,851.84	1/4	5,139.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,561.91	1/2	3,893.76	1/2	4,225.60	1/2	4,550.42	1/2	4,858.07	1/2	5,144.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,568.82	3/4	3,900.67	3/4	4,232.52	3/4	4,557.02	3/4	4,864.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,575.73	9	3,907.58	9	4,239.43	9	4,563.62	9	4,870.54	9		9	9	9	9	9	9	9	9
1/4	3,582.65	1/4	3,914.50	1/4	4,246.33	1/4	4,570.20	1/4	4,876.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,589.56	1/2	3,921.41	1/2	4,253.23	1/2	4,576.77	1/2	4,882.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,596.47	3/4	3,928.32	3/4	4,260.13	3/4	4,583.35	3/4	4,889.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,603.39	10	3,935.24	10	4,267.03	10	4,589.92	10	4,895.35	10		10	10	10	10	10	10	10	10
1/4	3,610.30	1/4	3,942.15	1/4	4,273.91	1/4	4,596.47	1/4	4,901.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,617.22	1/2	3,949.06	1/2	4,280.79	1/2	4,603.01	1/2	4,907.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,624.13	3/4	3,955.98	3/4	4,287.67	3/4	4,609.56	3/4	4,913.88	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,631.04	11	3,962.89	11	4,294.55	11	4,616.11	11	4,920.06	11		11	11	11	11	11	11	11	11
1/4	3,637.96	1/4	3,969.80	1/4	4,301.40	1/4	4,622.63	1/4	4,926.20	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,644.87	1/2	3,976.72	1/2	4,308.25	1/2	4,629.15	1/2	4,932.35	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,651.78	3/4	3,983.63	3/4	4,315.10	3/4	4,635.67	3/4	4,938.50	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/17/2013 SW
CALCULATED: 05/17/2013 CL
PRINTED: 05/18/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTCO 252"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09"

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	21.90	0	339.14	0	671.09	0	1,001.16	0	1,332.76	0	1,664.75	0	1,996.73	0	2,328.72	0	2,660.68	0	2,992.45
1/4	26.39	1/4	346.05	1/4	678.01	1/4	1,008.03	1/4	1,339.67	1/4	1,671.66	1/4	2,003.65	1/4	2,335.64	1/4	2,667.59	1/4	2,999.36
1/2	30.89	1/2	352.96	1/2	684.92	1/2	1,014.91	1/2	1,346.59	1/2	1,678.58	1/2	2,010.57	1/2	2,342.55	1/2	2,674.50	1/2	3,006.27
3/4	35.38	3/4	359.87	3/4	691.84	3/4	1,021.78	3/4	1,353.51	3/4	1,685.49	3/4	2,017.48	3/4	2,349.47	3/4	2,681.42	3/4	3,013.18
1	39.88	1	366.79	1	698.76	1	1,028.65	1	1,360.42	1	1,692.41	1	2,024.40	1	2,356.39	1	2,688.33	1	3,020.09
1/4	45.75	1/4	373.70	1/4	705.67	1/4	1,035.52	1/4	1,367.34	1/4	1,699.33	1/4	2,031.31	1/4	2,363.30	1/4	2,695.24	1/4	3,027.01
1/2	51.63	1/2	380.62	1/2	712.59	1/2	1,042.40	1/2	1,374.26	1/2	1,706.24	1/2	2,038.23	1/2	2,370.22	1/2	2,702.15	1/2	3,033.92
3/4	57.51	3/4	387.53	3/4	719.50	3/4	1,049.27	3/4	1,381.17	3/4	1,713.16	3/4	2,045.15	3/4	2,377.13	3/4	2,709.06	3/4	3,040.83
2	63.39	2	394.45	2	726.42	2	1,056.14	2	1,388.09	2	1,720.08	2	2,052.06	2	2,384.05	2	2,715.97	2	3,047.74
1/4	70.10	1/4	401.36	1/4	733.30	1/4	1,063.05	1/4	1,395.01	1/4	1,726.99	1/4	2,058.98	1/4	2,390.97	1/4	2,722.89	1/4	3,054.65
1/2	76.82	1/2	408.28	1/2	740.18	1/2	1,069.96	1/2	1,401.92	1/2	1,733.91	1/2	2,065.90	1/2	2,397.88	1/2	2,729.80	1/2	3,061.56
3/4	83.53	3/4	415.20	3/4	747.06	3/4	1,076.86	3/4	1,408.84	3/4	1,740.83	3/4	2,072.81	3/4	2,404.80	3/4	2,736.71	3/4	3,068.48
3	90.25	3	422.11	3	753.94	3	1,083.77	3	1,415.75	3	1,747.74	3	2,079.73	3	2,411.72	3	2,743.62	3	3,075.39
1/4	97.15	1/4	429.03	1/4	760.81	1/4	1,090.68	1/4	1,422.67	1/4	1,754.66	1/4	2,086.65	1/4	2,418.63	1/4	2,750.53	1/4	3,082.30
1/2	104.05	1/2	435.94	1/2	767.67	1/2	1,097.60	1/2	1,429.59	1/2	1,761.57	1/2	2,093.56	1/2	2,425.55	1/2	2,757.45	1/2	3,089.21
3/4	110.95	3/4	442.86	3/4	774.54	3/4	1,104.52	3/4	1,436.50	3/4	1,768.49	3/4	2,100.48	3/4	2,432.47	3/4	2,764.36	3/4	3,096.12
4	117.85	4	449.78	4	781.41	4	1,111.43	4	1,443.42	4	1,775.41	4	2,107.39	4	2,439.38	4	2,771.27	4	3,103.04
1/4	124.76	1/4	456.69	1/4	788.28	1/4	1,118.35	1/4	1,450.34	1/4	1,782.32	1/4	2,114.31	1/4	2,446.30	1/4	2,778.18	1/4	3,109.95
1/2	131.67	1/2	463.61	1/2	795.14	1/2	1,125.27	1/2	1,457.25	1/2	1,789.24	1/2	2,121.23	1/2	2,453.21	1/2	2,785.09	1/2	3,116.86
3/4	138.58	3/4	470.52	3/4	802.01	3/4	1,132.18	3/4	1,464.17	3/4	1,796.16	3/4	2,128.14	3/4	2,460.13	3/4	2,792.00	3/4	3,123.77
5	145.50	5	477.44	5	808.88	5	1,139.10	5	1,471.09	5	1,803.07	5	2,135.06	5	2,467.05	5	2,798.92	5	3,130.68
1/4	152.41	1/4	484.36	1/4	815.74	1/4	1,146.02	1/4	1,478.00	1/4	1,809.99	1/4	2,141.98	1/4	2,473.96	1/4	2,805.83	1/4	3,137.59
1/2	159.33	1/2	491.27	1/2	822.61	1/2	1,152.93	1/2	1,484.92	1/2	1,816.91	1/2	2,148.89	1/2	2,480.88	1/2	2,812.74	1/2	3,144.51
3/4	166.24	3/4	498.19	3/4	829.48	3/4	1,159.85	3/4	1,491.84	3/4	1,823.82	3/4	2,155.81	3/4	2,487.80	3/4	2,819.65	3/4	3,151.42
6	173.16	6	505.10	6	836.35	6	1,166.76	6	1,498.75	6	1,830.74	6	2,162.73	6	2,494.71	6	2,826.56	6	3,158.33
1/4	180.07	1/4	512.02	1/4	843.21	1/4	1,173.68	1/4	1,505.67	1/4	1,837.66	1/4	2,169.64	1/4	2,501.63	1/4	2,833.47	1/4	3,165.24
1/2	186.99	1/2	518.94	1/2	850.08	1/2	1,180.60	1/2	1,512.58	1/2	1,844.57	1/2	2,176.56	1/2	2,508.55	1/2	2,840.39	1/2	3,172.15
3/4	193.91	3/4	525.85	3/4	856.95	3/4	1,187.51	3/4	1,519.50	3/4	1,851.49	3/4	2,183.48	3/4	2,515.46	3/4	2,847.30	3/4	3,179.06
7	200.82	7	532.77	7	863.82	7	1,194.43	7	1,526.42	7	1,858.40	7	2,190.39	7	2,522.38	7	2,854.21	7	3,185.98
1/4	207.74	1/4	539.69	1/4	870.68	1/4	1,201.35	1/4	1,533.33	1/4	1,865.32	1/4	2,197.31	1/4	2,529.30	1/4	2,861.12	1/4	3,192.89
1/2	214.65	1/2	546.60	1/2	877.55	1/2	1,208.26	1/2	1,540.25	1/2	1,872.24	1/2	2,204.22	1/2	2,536.21	1/2	2,868.03	1/2	3,199.80
3/4	221.57	3/4	553.52	3/4	884.42	3/4	1,215.18	3/4	1,547.17	3/4	1,879.15	3/4	2,211.14	3/4	2,543.13	3/4	2,874.95	3/4	3,206.71
8	228.49	8	560.43	8	891.29	8	1,222.10	8	1,554.08	8	1,886.07	8	2,218.06	8	2,550.04	8	2,881.86	8	3,213.62
1/4	235.40	1/4	567.35	1/4	898.15	1/4	1,229.01	1/4	1,561.00	1/4	1,892.99	1/4	2,224.97	1/4	2,556.96	1/4	2,888.77	1/4	3,220.54
1/2	242.32	1/2	574.27	1/2	905.02	1/2	1,235.93	1/2	1,567.92	1/2	1,899.90	1/2	2,231.89	1/2	2,563.88	1/2	2,895.68	1/2	3,227.45
3/4	249.24	3/4	581.18	3/4	911.89	3/4	1,242.84	3/4	1,574.83	3/4	1,906.82	3/4	2,238.81	3/4	2,570.79	3/4	2,902.59	3/4	3,234.36
9	256.15	9	588.10	9	918.75	9	1,249.76	9	1,581.75	9	1,913.74	9	2,245.72	9	2,577.71	9	2,909.50	9	3,241.27
1/4	263.07	1/4	595.01	1/4	925.62	1/4	1,256.68	1/4	1,588.66	1/4	1,920.65	1/4	2,252.64	1/4	2,584.63	1/4	2,916.42	1/4	3,248.18
1/2	269.98	1/2	601.93	1/2	932.49	1/2	1,263.59	1/2	1,595.58	1/2	1,927.57	1/2	2,259.56	1/2	2,591.54	1/2	2,923.33	1/2	3,255.09
3/4	276.90	3/4	608.85	3/4	939.36	3/4	1,270.51	3/4	1,602.50	3/4	1,934.48	3/4	2,266.47	3/4	2,598.46	3/4	2,930.24	3/4	3,262.01
10	283.82	10	615.76	10	946.22	10	1,277.43	10	1,609.41	10	1,941.40	10	2,273.39	10	2,605.38	10	2,937.15	10	3,268.92
1/4	290.73	1/4	622.68	1/4	953.09	1/4	1,284.34	1/4	1,616.33	1/4	1,948.32	1/4	2,280.30	1/4	2,612.29	1/4	2,944.06	1/4	3,275.83
1/2	297.65	1/2	629.59	1/2	959.96	1/2	1,291.26	1/2	1,623.25	1/2	1,955.23	1/2	2,287.22	1/2	2,619.20	1/2	2,950.98	1/2	3,282.74
3/4	304.56	3/4	636.51	3/4	966.83	3/4	1,298.18	3/4	1,630.16	3/4	1,962.15	3/4	2,294.14	3/4	2,626.12	3/4	2,957.89	3/4	3,289.65
11	311.48	11	643.43	11	973.69	11	1,305.09	11	1,637.08	11	1,969.07	11	2,301.05	11	2,633.03	11	2,964.80	11	3,296.57
1/4	318.39	1/4	650.34	1/4	980.56	1/4	1,312.01	1/4	1,644.00	1/4	1,975.98	1/4	2,307.97	1/4	2,639.94	1/4	2,971.71	1/4	3,303.48
1/2	325.31	1/2	657.26	1/2	987.43	1/2	1,318.93	1/2	1,650.91	1/2	1,982.90	1/2	2,314.89	1/2	2,646.86	1/2	2,978.62	1/2	3,310.39
3/4	332.22	3/4	664.18	3/4	994.29	3/4	1,325.84	3/4	1,657.83	3/4	1,989.82	3/4	2,321.80	3/4	2,653.77	3/4	2,985.53	3/4	3,317.30

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'-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 "CTCO 252"

1 STBD INNAGE 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	3,324.21	0	3,655.98	0	3,987.75	0	4,319.08	0	4,639.24	0	4,941.63	0		0		0		0	
1/4	3,331.12	1/4	3,662.89	1/4	3,994.66	1/4	4,325.90	1/4	4,645.70	1/4	4,947.74	1/4		1/4		1/4		1/4	
1/2	3,338.04	1/2	3,669.80	1/2	4,001.57	1/2	4,332.72	1/2	4,652.16	1/2	4,953.86	1/2		1/2		1/2		1/2	
3/4	3,344.95	3/4	3,676.71	3/4	4,008.48	3/4	4,339.54	3/4	4,658.62	3/4	4,959.98	3/4		3/4		3/4		3/4	
1	3,351.86	1	3,683.63	1	4,015.39	1	4,346.37	1	4,665.08	1	4,966.10	1		1		1		1	
1/4	3,358.77	1/4	3,690.54	1/4	4,022.30	1/4	4,353.16	1/4	4,671.50	1/4	4,972.19	1/4		1/4		1/4		1/4	
1/2	3,365.68	1/2	3,697.45	1/2	4,029.22	1/2	4,359.95	1/2	4,677.93	1/2	4,978.29	1/2		1/2		1/2		1/2	
3/4	3,372.60	3/4	3,704.36	3/4	4,036.13	3/4	4,366.75	3/4	4,684.35	3/4	4,984.38	3/4		3/4		3/4		3/4	
2	3,379.51	2	3,711.27	2	4,043.04	2	4,373.54	2	4,690.77	2	4,990.47	2		2		2		2	
1/4	3,386.42	1/4	3,718.19	1/4	4,049.95	1/4	4,380.31	1/4	4,697.17	1/4	4,996.53	1/4		1/4		1/4		1/4	
1/2	3,393.33	1/2	3,725.10	1/2	4,056.86	1/2	4,387.08	1/2	4,703.56	1/2	5,002.60	1/2		1/2		1/2		1/2	
3/4	3,400.24	3/4	3,732.01	3/4	4,063.78	3/4	4,393.84	3/4	4,709.96	3/4	5,008.66	3/4		3/4		3/4		3/4	
3	3,407.15	3	3,738.92	3	4,070.69	3	4,400.61	3	4,716.36	3	5,014.73	3		3		3		3	
1/4	3,414.07	1/4	3,745.83	1/4	4,077.60	1/4	4,407.35	1/4	4,722.72	1/4	5,020.72	1/4		1/4		1/4		1/4	
1/2	3,420.98	1/2	3,752.74	1/2	4,084.51	1/2	4,414.09	1/2	4,729.09	1/2	5,026.72	1/2		1/2		1/2		1/2	
3/4	3,427.89	3/4	3,759.66	3/4	4,091.42	3/4	4,420.83	3/4	4,735.46	3/4	5,032.71	3/4		3/4		3/4		3/4	
4	3,434.80	4	3,766.57	4	4,098.33	4	4,427.57	4	4,741.83	4	5,038.71	4		4		4		4	
1/4	3,441.71	1/4	3,773.48	1/4	4,105.25	1/4	4,434.28	1/4	4,748.17	1/4	5,044.66	1/4		1/4		1/4		1/4	
1/2	3,448.63	1/2	3,780.39	1/2	4,112.16	1/2	4,440.99	1/2	4,754.51	1/2	5,050.61	1/2		1/2		1/2		1/2	
3/4	3,455.54	3/4	3,787.30	3/4	4,119.07	3/4	4,447.70	3/4	4,760.85	3/4	5,056.57	3/4		3/4		3/4		3/4	
5	3,462.45	5	3,794.22	5	4,125.98	5	4,454.41	5	4,767.19	5	5,062.52	5		5		5		5	
1/4	3,469.36	1/4	3,801.13	1/4	4,132.89	1/4	4,461.10	1/4	4,773.50	1/4	5,068.45	1/4		1/4		1/4		1/4	
1/2	3,476.27	1/2	3,808.04	1/2	4,139.81	1/2	4,467.78	1/2	4,779.81	1/2	5,074.37	1/2		1/2		1/2		1/2	
3/4	3,483.18	3/4	3,814.95	3/4	4,146.72	3/4	4,474.46	3/4	4,786.13	3/4	5,080.30	3/4		3/4		3/4		3/4	
6	3,490.10	6	3,821.86	6	4,153.63	6	4,481.15	6	4,792.44	6	5,086.23	6		6		6		6	
1/4	3,497.01	1/4	3,828.77	1/4	4,160.54	1/4	4,487.80	1/4	4,798.73	1/4	5,092.13	1/4		1/4		1/4		1/4	
1/2	3,503.92	1/2	3,835.69	1/2	4,167.45	1/2	4,494.46	1/2	4,805.01	1/2	5,098.03	1/2		1/2		1/2		1/2	
3/4	3,510.83	3/4	3,842.60	3/4	4,174.36	3/4	4,501.12	3/4	4,811.30	3/4	5,103.93	3/4		3/4		3/4		3/4	
7	3,517.74	7	3,849.51	7	4,181.28	7	4,507.77	7	4,817.58	7	5,109.83	7		7		7		7	
1/4	3,524.65	1/4	3,856.42	1/4	4,188.19	1/4	4,514.40	1/4	4,823.84	1/4	5,115.18	1/4		1/4		1/4		1/4	
1/2	3,531.57	1/2	3,863.33	1/2	4,195.10	1/2	4,521.03	1/2	4,830.10	1/2	5,120.54	1/2		1/2		1/2		1/2	
3/4	3,538.48	3/4	3,870.24	3/4	4,202.01	3/4	4,527.66	3/4	4,836.35	3/4	5,125.89	3/4		3/4		3/4		3/4	
8	3,545.39	8	3,877.16	8	4,208.92	8	4,534.29	8	4,842.61	8	5,131.24	8		8		8		8	
1/4	3,552.30	1/4	3,884.07	1/4	4,215.83	1/4	4,540.89	1/4	4,848.84	1/4	5,136.12	1/4		1/4		1/4		1/4	
1/2	3,559.21	1/2	3,890.98	1/2	4,222.75	1/2	4,547.49	1/2	4,855.07	1/2	5,141.00	1/2		1/2		1/2		1/2	
3/4	3,566.13	3/4	3,897.89	3/4	4,229.66	3/4	4,554.09	3/4	4,861.30	3/4		3/4		3/4		3/4		3/4	
9	3,573.04	9	3,904.80	9	4,236.57	9	4,560.69	9	4,867.53	9		9		9		9		9	
1/4	3,579.95	1/4	3,911.72	1/4	4,243.47	1/4	4,567.26	1/4	4,873.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,586.86	1/2	3,918.63	1/2	4,250.37	1/2	4,573.84	1/2	4,879.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,593.77	3/4	3,925.54	3/4	4,257.27	3/4	4,580.41	3/4	4,886.14	3/4		3/4		3/4		3/4		3/4	
10	3,600.68	10	3,932.45	10	4,264.17	10	4,586.98	10	4,892.34	10		10		10		10		10	
1/4	3,607.60	1/4	3,939.36	1/4	4,271.05	1/4	4,593.53	1/4	4,898.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,614.51	1/2	3,946.27	1/2	4,277.93	1/2	4,600.07	1/2	4,904.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,621.42	3/4	3,953.19	3/4	4,284.80	3/4	4,606.62	3/4	4,910.86	3/4		3/4		3/4		3/4		3/4	
11	3,628.33	11	3,960.10	11	4,291.68	11	4,613.16	11	4,917.04	11		11		11		11		11	
1/4	3,635.24	1/4	3,967.01	1/4	4,298.53	1/4	4,619.68	1/4	4,923.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.16	1/2	3,973.92	1/2	4,305.38	1/2	4,626.20	1/2	4,929.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,649.07	3/4	3,980.83	3/4	4,312.23	3/4	4,632.72	3/4	4,935.48	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/17/2013 SW
CALCULATED: 05/17/2013 CL
PRINTED: 05/18/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CTCO 252"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

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	21.82	0	337.92	0	668.68	0	999.15	0	1,329.90	0	1,660.70	0	1,991.49	0	2,322.29	0	2,653.04	0	2,983.61
1/4	26.30	1/4	344.81	1/4	675.57	1/4	1,006.03	1/4	1,336.79	1/4	1,667.59	1/4	1,998.39	1/4	2,329.18	1/4	2,659.93	1/4	2,990.50
1/2	30.78	1/2	351.69	1/2	682.47	1/2	1,012.92	1/2	1,343.68	1/2	1,674.48	1/2	2,005.28	1/2	2,336.07	1/2	2,666.82	1/2	2,997.39
3/4	35.26	3/4	358.58	3/4	689.36	3/4	1,019.80	3/4	1,350.58	3/4	1,681.37	3/4	2,012.17	3/4	2,342.97	3/4	2,673.70	3/4	3,004.28
1	39.74	1	365.47	1	696.25	1	1,026.68	1	1,357.47	1	1,688.26	1	2,019.06	1	2,349.86	1	2,708.59	1	3,011.16
1/4	45.59	1/4	372.36	1/4	703.14	1/4	1,033.57	1/4	1,364.36	1/4	1,695.16	1/4	2,025.95	1/4	2,356.75	1/4	2,687.48	1/4	3,018.05
1/2	51.45	1/2	379.25	1/2	710.03	1/2	1,040.46	1/2	1,371.25	1/2	1,702.05	1/2	2,032.84	1/2	2,363.64	1/2	2,694.36	1/2	3,024.94
3/4	57.30	3/4	386.14	3/4	716.92	3/4	1,047.35	3/4	1,378.14	3/4	1,708.94	3/4	2,039.74	3/4	2,370.53	3/4	2,701.25	3/4	3,031.82
2	63.16	2	393.03	2	723.81	2	1,054.24	2	1,385.03	2	1,715.83	2	2,046.63	2	2,377.42	2	2,708.14	2	3,038.71
1/4	69.85	1/4	399.92	1/4	730.70	1/4	1,061.13	1/4	1,391.92	1/4	1,722.72	1/4	2,053.52	1/4	2,384.32	1/4	2,715.03	1/4	3,045.60
1/2	76.54	1/2	406.81	1/2	737.60	1/2	1,068.02	1/2	1,398.82	1/2	1,729.61	1/2	2,060.41	1/2	2,391.21	1/2	2,721.91	1/2	3,052.48
3/4	83.23	3/4	413.70	3/4	744.49	3/4	1,074.91	3/4	1,405.71	3/4	1,736.50	3/4	2,067.30	3/4	2,398.10	3/4	2,728.80	3/4	3,059.37
3	89.93	3	420.60	3	751.38	3	1,081.80	3	1,412.60	3	1,743.40	3	2,074.19	3	2,404.99	3	2,735.69	3	3,066.26
1/4	96.80	1/4	427.49	1/4	758.26	1/4	1,088.69	1/4	1,419.49	1/4	1,750.29	1/4	2,081.08	1/4	2,411.88	1/4	2,742.57	1/4	3,073.14
1/2	103.67	1/2	434.38	1/2	765.15	1/2	1,095.59	1/2	1,426.38	1/2	1,757.18	1/2	2,087.98	1/2	2,418.77	1/2	2,749.46	1/2	3,080.03
3/4	110.55	3/4	441.27	3/4	772.03	3/4	1,102.48	3/4	1,433.27	3/4	1,764.07	3/4	2,094.87	3/4	2,425.66	3/4	2,756.35	3/4	3,086.92
4	117.42	4	448.16	4	778.91	4	1,109.37	4	1,440.17	4	1,770.96	4	2,101.76	4	2,432.56	4	2,763.23	4	3,093.80
1/4	124.31	1/4	455.05	1/4	785.80	1/4	1,116.26	1/4	1,447.06	1/4	1,777.85	1/4	2,108.65	1/4	2,439.45	1/4	2,770.12	1/4	3,100.69
1/2	131.20	1/2	461.94	1/2	792.68	1/2	1,123.15	1/2	1,453.95	1/2	1,784.75	1/2	2,115.54	1/2	2,446.34	1/2	2,777.01	1/2	3,107.58
3/4	138.09	3/4	468.83	3/4	799.56	3/4	1,130.04	3/4	1,460.84	3/4	1,791.64	3/4	2,122.43	3/4	2,453.23	3/4	2,783.89	3/4	3,114.47
5	144.97	5	475.73	5	806.44	5	1,136.94	5	1,467.73	5	1,798.53	5	2,129.33	5	2,460.12	5	2,790.78	5	3,121.35
1/4	151.86	1/4	482.62	1/4	813.33	1/4	1,143.83	1/4	1,474.62	1/4	1,805.42	1/4	2,136.22	1/4	2,467.01	1/4	2,797.67	1/4	3,128.24
1/2	158.76	1/2	489.51	1/2	820.21	1/2	1,150.72	1/2	1,481.52	1/2	1,812.31	1/2	2,143.11	1/2	2,473.91	1/2	2,804.55	1/2	3,135.13
3/4	165.65	3/4	496.40	3/4	827.09	3/4	1,157.61	3/4	1,488.41	3/4	1,819.20	3/4	2,150.00	3/4	2,480.80	3/4	2,811.44	3/4	3,142.01
6	172.54	6	503.29	6	833.97	6	1,164.50	6	1,495.30	6	1,826.10	6	2,156.89	6	2,487.69	6	2,818.33	6	3,148.90
1/4	179.43	1/4	510.18	1/4	840.86	1/4	1,171.39	1/4	1,502.19	1/4	1,832.99	1/4	2,163.78	1/4	2,494.58	1/4	2,825.22	1/4	3,155.79
1/2	186.32	1/2	517.07	1/2	847.74	1/2	1,178.29	1/2	1,509.08	1/2	1,839.88	1/2	2,170.68	1/2	2,501.47	1/2	2,832.10	1/2	3,162.67
3/4	193.21	3/4	523.97	3/4	854.62	3/4	1,185.18	3/4	1,515.97	3/4	1,846.77	3/4	2,177.57	3/4	2,508.36	3/4	2,838.99	3/4	3,169.56
7	200.10	7	530.86	7	861.50	7	1,192.07	7	1,522.87	7	1,853.66	7	2,184.46	7	2,515.26	7	2,845.88	7	3,176.45
1/4	206.99	1/4	537.75	1/4	868.38	1/4	1,198.96	1/4	1,529.76	1/4	1,860.55	1/4	2,191.35	1/4	2,522.15	1/4	2,852.76	1/4	3,183.33
1/2	213.89	1/2	544.64	1/2	875.27	1/2	1,205.85	1/2	1,536.65	1/2	1,867.45	1/2	2,198.24	1/2	2,529.04	1/2	2,859.65	1/2	3,190.22
3/4	220.78	3/4	551.53	3/4	882.15	3/4	1,212.74	3/4	1,543.54	3/4	1,874.34	3/4	2,205.13	3/4	2,535.93	3/4	2,866.54	3/4	3,197.11
8	227.67	8	558.42	8	889.03	8	1,219.63	8	1,550.43	8	1,881.23	8	2,212.03	8	2,542.82	8	2,873.42	8	3,204.00
1/4	234.56	1/4	565.31	1/4	895.91	1/4	1,226.53	1/4	1,557.32	1/4	1,888.12	1/4	2,218.92	1/4	2,549.71	1/4	2,880.31	1/4	3,210.88
1/2	241.45	1/2	572.20	1/2	902.80	1/2	1,233.42	1/2	1,564.21	1/2	1,895.01	1/2	2,225.81	1/2	2,556.61	1/2	2,887.20	1/2	3,217.77
3/4	248.34	3/4	579.10	3/4	909.68	3/4	1,240.31	3/4	1,571.11	3/4	1,901.90	3/4	2,232.70	3/4	2,563.50	3/4	2,894.08	3/4	3,224.66
9	255.23	9	585.99	9	916.56	9	1,247.20	9	1,578.00	9	1,908.79	9	2,239.59	9	2,570.39	9	2,900.97	9	3,231.54
1/4	262.12	1/4	592.88	1/4	923.44	1/4	1,254.09	1/4	1,584.89	1/4	1,915.69	1/4	2,246.48	1/4	2,577.28	1/4	2,907.86	1/4	3,238.43
1/2	269.02	1/2	599.77	1/2	930.33	1/2	1,260.98	1/2	1,591.78	1/2	1,922.58	1/2	2,253.37	1/2	2,584.17	1/2	2,914.75	1/2	3,245.32
3/4	275.91	3/4	606.66	3/4	937.21	3/4	1,267.88	3/4	1,598.67	3/4	1,929.47	3/4	2,260.27	3/4	2,591.06	3/4	2,921.63	3/4	3,252.20
10	282.80	10	613.55	10	944.09	10	1,274.77	10	1,605.56	10	1,936.36	10	2,267.16	10	2,597.95	10	2,928.52	10	3,259.09
1/4	289.69	1/4	620.44	1/4	950.97	1/4	1,281.66	1/4	1,612.46	1/4	1,943.25	1/4	2,274.05	1/4	2,604.84	1/4	2,935.41	1/4	3,265.98
1/2	296.58	1/2	627.33	1/2	957.86	1/2	1,288.55	1/2	1,619.35	1/2	1,950.14	1/2	2,280.94	1/2	2,611.73	1/2	2,942.29	1/2	3,272.86
3/4	303.47	3/4	634.23	3/4	964.74	3/4	1,295.44	3/4	1,626.24	3/4	1,957.04	3/4	2,287.83	3/4	2,618.61	3/4	2,949.18	3/4	3,279.75
11	310.36	11	641.12	11	971.62	11	1,302.33	11	1,633.13	11	1,963.93	11	2,294.72	11	2,625.50	11	2,956.07	11	3,286.64
1/4	317.25	1/4	648.01	1/4	978.50	1/4	1,309.23	1/4	1,640.02	1/4	1,970.82	1/4	2,301.62	1/4	2,632.38	1/4	2,962.95	1/4	3,293.52
1/2	324.14	1/2	654.90	1/2	985.39	1/2	1,316.12	1/2	1,646.91	1/2	1,977.71	1/2	2,308.51	1/2	2,639.27	1/2	2,969.84	1/2	3,300.41
3/4	331.03	3/4	661.79	3/4	992.27	3/4	1,323.01	3/4	1,653.81	3/4	1,984.60	3/4	2,315.40	3/4	2,646.16	3/4	2,976.73	3/4	3,307.30

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'-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 "CTCO 252"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,314.19	0	3,644.76	0	3,975.33	0	4,305.47	0	4,624.48	0	4,925.78	0		0		0		0	
1/4	3,321.07	1/4	3,651.64	1/4	3,982.21	1/4	4,312.27	1/4	4,630.92	1/4	4,931.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,327.96	1/2	3,658.53	1/2	3,989.10	1/2	4,319.07	1/2	4,637.35	1/2	4,937.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,334.85	3/4	3,665.42	3/4	3,995.99	3/4	4,325.86	3/4	4,643.79	3/4	4,944.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,341.73	1	3,672.30	1	4,002.88	1	4,332.66	1	4,650.23	1	4,950.17	1	1	1	1	1	1	1	1
1/4	3,348.62	1/4	3,679.19	1/4	4,009.76	1/4	4,339.43	1/4	4,656.63	1/4	4,956.24	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,355.51	1/2	3,686.08	1/2	4,016.65	1/2	4,346.20	1/2	4,663.03	1/2	4,962.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,362.39	3/4	3,692.97	3/4	4,023.54	3/4	4,352.97	3/4	4,669.43	3/4	4,968.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,369.28	2	3,699.85	2	4,030.42	2	4,359.74	2	4,675.83	2	4,974.44	2	2	2	2	2	2	2	2
1/4	3,376.17	1/4	3,706.74	1/4	4,037.31	1/4	4,366.48	1/4	4,682.20	1/4	4,980.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,383.05	1/2	3,713.63	1/2	4,044.20	1/2	4,373.23	1/2	4,688.57	1/2	4,986.53	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,389.94	3/4	3,720.51	3/4	4,051.08	3/4	4,379.97	3/4	4,694.95	3/4	4,992.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,396.83	3	3,727.40	3	4,057.97	3	4,386.71	3	4,701.32	3	4,998.61	3	3	3	3	3	3	3	3
1/4	3,403.72	1/4	3,734.29	1/4	4,064.86	1/4	4,393.43	1/4	4,707.67	1/4	5,004.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,410.60	1/2	3,741.17	1/2	4,071.74	1/2	4,400.14	1/2	4,714.01	1/2	5,010.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,417.49	3/4	3,748.06	3/4	4,078.63	3/4	4,406.86	3/4	4,720.36	3/4	5,016.53	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,424.38	4	3,754.95	4	4,085.52	4	4,413.57	4	4,726.70	4	5,022.51	4	4	4	4	4	4	4	4
1/4	3,431.26	1/4	3,761.83	1/4	4,092.41	1/4	4,420.26	1/4	4,733.02	1/4	5,028.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,438.15	1/2	3,768.72	1/2	4,099.29	1/2	4,426.94	1/2	4,739.34	1/2	5,034.37	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,445.04	3/4	3,775.61	3/4	4,106.18	3/4	4,433.63	3/4	4,745.65	3/4	5,040.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,451.92	5	3,782.49	5	4,113.07	5	4,440.32	5	4,751.97	5	5,046.23	5	5	5	5	5	5	5	5
1/4	3,458.81	1/4	3,789.38	1/4	4,119.95	1/4	4,446.98	1/4	4,758.26	1/4	5,052.14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,465.70	1/2	3,796.27	1/2	4,126.84	1/2	4,453.64	1/2	4,764.55	1/2	5,058.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,472.58	3/4	3,803.16	3/4	4,133.73	3/4	4,460.30	3/4	4,770.84	3/4	5,063.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,479.47	6	3,810.04	6	4,140.61	6	4,466.96	6	4,777.13	6	5,069.86	6	6	6	6	6	6	6	6
1/4	3,486.36	1/4	3,816.93	1/4	4,147.50	1/4	4,473.59	1/4	4,783.39	1/4	5,075.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,493.24	1/2	3,823.82	1/2	4,154.39	1/2	4,480.22	1/2	4,789.66	1/2	5,081.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,500.13	3/4	3,830.70	3/4	4,161.27	3/4	4,486.86	3/4	4,795.92	3/4	5,087.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,507.02	7	3,837.59	7	4,168.16	7	4,493.49	7	4,802.18	7	5,093.37	7	7	7	7	7	7	7	7
1/4	3,513.91	1/4	3,844.48	1/4	4,175.05	1/4	4,500.09	1/4	4,808.42	1/4	5,098.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,520.79	1/2	3,851.36	1/2	4,181.93	1/2	4,506.70	1/2	4,814.65	1/2	5,104.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,527.68	3/4	3,858.25	3/4	4,188.82	3/4	4,513.30	3/4	4,820.89	3/4	5,109.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,534.57	8	3,865.14	8	4,195.71	8	4,519.91	8	4,827.12	8	5,114.71	8	8	8	8	8	8	8	8
1/4	3,541.45	1/4	3,872.02	1/4	4,202.60	1/4	4,526.48	1/4	4,833.33	1/4	5,119.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,548.34	1/2	3,878.91	1/2	4,209.48	1/2	4,533.06	1/2	4,839.53	1/2	5,124.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,555.23	3/4	3,885.80	3/4	4,216.37	3/4	4,539.64	3/4	4,845.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,562.11	9	3,892.69	9	4,223.26	9	4,546.21	9	4,851.95	9		9	9	9	9	9	9	9	9
1/4	3,569.00	1/4	3,899.57	1/4	4,230.13	1/4	4,552.76	1/4	4,858.13	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,575.89	1/2	3,906.46	1/2	4,237.01	1/2	4,559.31	1/2	4,864.31	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,582.77	3/4	3,913.35	3/4	4,243.89	3/4	4,565.86	3/4	4,870.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,589.66	10	3,920.23	10	4,250.76	10	4,572.41	10	4,876.67	10		10	10	10	10	10	10	10	10
1/4	3,596.55	1/4	3,927.12	1/4	4,257.62	1/4	4,578.93	1/4	4,882.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,603.44	1/2	3,934.01	1/2	4,264.47	1/2	4,585.46	1/2	4,888.97	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,610.32	3/4	3,940.89	3/4	4,271.32	3/4	4,591.98	3/4	4,895.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,617.21	11	3,947.78	11	4,278.17	11	4,598.50	11	4,901.28	11		11	11	11	11	11	11	11	11
1/4	3,624.10	1/4	3,954.67	1/4	4,285.00	1/4	4,605.00	1/4	4,907.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,630.98	1/2	3,961.55	1/2	4,291.82	1/2	4,611.49	1/2	4,913.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,637.87	3/4	3,968.44	3/4	4,298.65	3/4	4,617.99	3/4	4,919.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/17/2013 SW
CALCULATED: 05/17/2013 CL
PRINTED: 05/18/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2013

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



BARGE "CTCO 252"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

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	21.40	0	326.01	0	629.42	0	917.94	0	1,245.53	0	1,576.41	0	1,907.28	0	2,238.15	0	2,569.00	0	2,899.65
1/4	25.79	1/4	332.47	1/4	635.56	1/4	924.46	1/4	1,252.42	1/4	1,583.30	1/4	1,914.17	1/4	2,245.05	1/4	2,575.89	1/4	2,906.53
1/2	30.18	1/2	338.94	1/2	641.70	1/2	930.99	1/2	1,259.32	1/2	1,590.19	1/2	1,921.07	1/2	2,251.94	1/2	2,582.78	1/2	2,913.42
3/4	34.57	3/4	345.41	3/4	647.84	3/4	937.52	3/4	1,266.21	3/4	1,597.08	3/4	1,927.96	3/4	2,258.83	3/4	2,589.66	3/4	2,920.31
1	38.96	1	351.88	1	653.99	1	944.04	1	1,273.10	1	1,603.98	1	1,934.85	1	2,265.73	1	2,595.55	1	2,927.20
1/4	44.70	1/4	358.33	1/4	660.10	1/4	950.57	1/4	1,280.00	1/4	1,610.87	1/4	1,941.74	1/4	2,272.62	1/4	2,603.44	1/4	2,934.09
1/2	50.44	1/2	364.77	1/2	666.22	1/2	957.10	1/2	1,286.89	1/2	1,617.76	1/2	1,948.64	1/2	2,279.51	1/2	2,610.33	1/2	2,940.98
3/4	56.18	3/4	371.22	3/4	672.33	3/4	963.63	3/4	1,293.78	3/4	1,624.66	3/4	1,955.53	3/4	2,286.40	3/4	2,617.22	3/4	2,947.87
2	61.92	2	377.66	2	678.45	2	970.16	2	1,300.68	2	1,631.55	2	1,962.42	2	2,293.30	2	2,624.11	2	2,954.75
1/4	68.47	1/4	384.08	1/4	684.26	1/4	976.97	1/4	1,307.57	1/4	1,638.44	1/4	1,969.32	1/4	2,300.19	1/4	2,630.99	1/4	2,961.64
1/2	75.02	1/2	390.50	1/2	690.08	1/2	983.77	1/2	1,314.46	1/2	1,645.34	1/2	1,976.21	1/2	2,307.08	1/2	2,637.88	1/2	2,968.53
3/4	81.57	3/4	396.92	3/4	695.90	3/4	990.57	3/4	1,321.36	3/4	1,652.23	3/4	1,983.10	3/4	2,313.98	3/4	2,644.77	3/4	2,975.42
3	88.12	3	403.33	3	701.71	3	997.38	3	1,328.25	3	1,659.12	3	1,990.00	3	2,320.87	3	2,651.66	3	2,982.31
1/4	94.82	1/4	409.72	1/4	707.41	1/4	1,004.27	1/4	1,335.14	1/4	1,666.02	1/4	1,996.89	1/4	2,327.76	1/4	2,658.55	1/4	2,989.20
1/2	101.52	1/2	416.11	1/2	713.10	1/2	1,011.16	1/2	1,342.04	1/2	1,672.91	1/2	2,003.78	1/2	2,334.66	1/2	2,665.44	1/2	2,996.09
3/4	108.23	3/4	422.50	3/4	718.80	3/4	1,018.06	3/4	1,348.93	3/4	1,679.80	3/4	2,010.68	3/4	2,341.55	3/4	2,672.33	3/4	3,002.97
4	114.93	4	428.89	4	724.49	4	1,024.95	4	1,355.82	4	1,686.70	4	2,017.57	4	2,348.44	4	2,679.21	4	3,009.86
1/4	121.62	1/4	435.26	1/4	730.16	1/4	1,031.84	1/4	1,362.72	1/4	1,693.59	1/4	2,024.46	1/4	2,355.34	1/4	2,686.10	1/4	3,016.75
1/2	128.31	1/2	441.62	1/2	735.82	1/2	1,038.74	1/2	1,369.61	1/2	1,700.48	1/2	2,031.36	1/2	2,362.23	1/2	2,692.99	1/2	3,023.64
3/4	135.00	3/4	447.98	3/4	741.49	3/4	1,045.63	3/4	1,376.50	3/4	1,707.38	3/4	2,038.25	3/4	2,369.12	3/4	2,699.88	3/4	3,030.53
5	141.69	5	454.34	5	747.15	5	1,052.52	5	1,383.40	5	1,714.27	5	2,045.14	5	2,376.02	5	2,706.77	5	3,037.42
1/4	148.36	1/4	460.68	1/4	752.79	1/4	1,059.42	1/4	1,390.29	1/4	1,721.16	1/4	2,052.04	1/4	2,382.91	1/4	2,713.66	1/4	3,044.30
1/2	155.02	1/2	467.02	1/2	758.43	1/2	1,066.31	1/2	1,397.18	1/2	1,728.06	1/2	2,058.93	1/2	2,389.80	1/2	2,720.55	1/2	3,051.19
3/4	161.69	3/4	473.35	3/4	764.06	3/4	1,073.20	3/4	1,404.08	3/4	1,734.95	3/4	2,065.82	3/4	2,396.70	3/4	2,727.43	3/4	3,058.08
6	168.35	6	479.69	6	769.70	6	1,080.09	6	1,410.97	6	1,741.84	6	2,072.72	6	2,403.59	6	2,734.32	6	3,064.97
1/4	174.99	1/4	485.99	1/4	775.31	1/4	1,086.99	1/4	1,417.86	1/4	1,748.74	1/4	2,079.61	1/4	2,410.48	1/4	2,741.21	1/4	3,071.86
1/2	181.63	1/2	492.30	1/2	780.92	1/2	1,093.88	1/2	1,424.75	1/2	1,755.63	1/2	2,086.50	1/2	2,417.38	1/2	2,748.10	1/2	3,078.75
3/4	188.27	3/4	498.61	3/4	786.53	3/4	1,100.77	3/4	1,431.65	3/4	1,762.52	3/4	2,093.40	3/4	2,424.27	3/4	2,754.99	3/4	3,085.64
7	194.90	7	504.92	7	792.14	7	1,107.67	7	1,438.54	7	1,769.41	7	2,100.29	7	2,431.16	7	2,761.88	7	3,092.52
1/4	201.52	1/4	511.20	1/4	797.73	1/4	1,114.56	1/4	1,445.43	1/4	1,776.31	1/4	2,107.18	1/4	2,438.06	1/4	2,768.76	1/4	3,099.41
1/2	208.13	1/2	517.48	1/2	803.31	1/2	1,121.45	1/2	1,452.33	1/2	1,783.20	1/2	2,114.07	1/2	2,444.95	1/2	2,775.65	1/2	3,106.30
3/4	214.74	3/4	523.76	3/4	808.89	3/4	1,128.35	3/4	1,459.22	3/4	1,790.09	3/4	2,120.97	3/4	2,451.84	3/4	2,782.54	3/4	3,113.19
8	221.35	8	530.04	8	814.47	8	1,135.24	8	1,466.11	8	1,796.99	8	2,127.86	8	2,458.73	8	2,789.43	8	3,120.08
1/4	227.93	1/4	536.29	1/4	820.76	1/4	1,142.13	1/4	1,473.01	1/4	1,803.88	1/4	2,134.75	1/4	2,465.63	1/4	2,796.32	1/4	3,126.97
1/2	234.51	1/2	542.54	1/2	827.05	1/2	1,149.03	1/2	1,479.90	1/2	1,810.77	1/2	2,141.65	1/2	2,472.52	1/2	2,803.21	1/2	3,133.86
3/4	241.10	3/4	548.79	3/4	833.34	3/4	1,155.92	3/4	1,486.79	3/4	1,817.67	3/4	2,148.54	3/4	2,479.41	3/4	2,810.10	3/4	3,140.74
9	247.68	9	555.05	9	839.63	9	1,162.81	9	1,493.69	9	1,824.56	9	2,155.43	9	2,486.31	9	2,816.98	9	3,147.63
1/4	254.24	1/4	561.27	1/4	846.15	1/4	1,169.71	1/4	1,500.58	1/4	1,831.45	1/4	2,162.33	1/4	2,493.20	1/4	2,823.87	1/4	3,154.52
1/2	260.79	1/2	567.50	1/2	852.68	1/2	1,176.60	1/2	1,507.47	1/2	1,838.35	1/2	2,169.22	1/2	2,500.09	1/2	2,830.76	1/2	3,161.41
3/4	267.35	3/4	573.72	3/4	859.20	3/4	1,183.49	3/4	1,514.37	3/4	1,845.24	3/4	2,176.11	3/4	2,506.99	3/4	2,837.65	3/4	3,168.30
10	273.90	10	579.95	10	865.73	10	1,190.39	10	1,521.26	10	1,852.13	10	2,183.01	10	2,513.88	10	2,844.54	10	3,175.19
1/4	280.43	1/4	586.15	1/4	872.26	1/4	1,197.28	1/4	1,528.15	1/4	1,859.03	1/4	2,189.90	1/4	2,520.77	1/4	2,851.43	1/4	3,182.07
1/2	286.96	1/2	592.34	1/2	878.78	1/2	1,204.17	1/2	1,535.05	1/2	1,865.92	1/2	2,196.79	1/2	2,527.66	1/2	2,858.32	1/2	3,188.96
3/4	293.49	3/4	598.54	3/4	885.31	3/4	1,211.07	3/4	1,541.94	3/4	1,872.81	3/4	2,203.69	3/4	2,534.55	3/4	2,865.20	3/4	3,195.85
11	300.01	11	604.74	11	891.83	11	1,217.96	11	1,548.83	11	1,879.71	11	2,210.58	11	2,541.44	11	2,872.09	11	3,202.74
1/4	306.51	1/4	610.91	1/4	898.36	1/4	1,224.85	1/4	1,555.73	1/4	1,886.60	1/4	2,217.47	1/4	2,548.33	1/4	2,878.98	1/4	3,209.63
1/2	313.01	1/2	617.08	1/2	904.89	1/2	1,231.75	1/2	1,562.62	1/2	1,893.49	1/2	2,224.37	1/2	2,555.22	1/2	2,885.87	1/2	3,216.52
3/4	319.51	3/4	623.25	3/4	911.41	3/4	1,238.64	3/4	1,569.51	3/4	1,900.39	3/4	2,231.26	3/4	2,562.11	3/4	2,892.76	3/4	3,223.41

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'-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 "CTCO 252"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,230.29	0	3,560.94	0	3,891.59	0	4,222.24	0	4,552.89	0	4,881.71	0		0		0		0	
1/4	3,237.18	1/4	3,567.83	1/4	3,898.48	1/4	4,229.13	1/4	4,559.75	1/4	4,888.56	1/4		1/4		1/4		1/4	
1/2	3,244.07	1/2	3,574.72	1/2	3,905.37	1/2	4,236.02	1/2	4,566.62	1/2	4,895.41	1/2		1/2		1/2		1/2	
3/4	3,250.96	3/4	3,581.61	3/4	3,912.26	3/4	4,242.90	3/4	4,573.48	3/4	4,902.26	3/4		3/4		3/4		3/4	
1	3,257.85	1	3,588.50	1	3,919.14	1	4,249.79	1	4,580.34	1	4,909.11	1		1		1		1	
1/4	3,264.74	1/4	3,595.38	1/4	3,926.03	1/4	4,256.68	1/4	4,587.19	1/4	4,915.95	1/4		1/4		1/4		1/4	
1/2	3,271.63	1/2	3,602.27	1/2	3,932.92	1/2	4,263.57	1/2	4,594.04	1/2	4,922.80	1/2		1/2		1/2		1/2	
3/4	3,278.51	3/4	3,609.16	3/4	3,939.81	3/4	4,270.46	3/4	4,600.89	3/4	4,929.65	3/4		3/4		3/4		3/4	
2	3,285.40	2	3,616.05	2	3,946.70	2	4,277.35	2	4,607.74	2	4,936.50	2		2		2		2	
1/4	3,292.29	1/4	3,622.94	1/4	3,953.59	1/4	4,284.23	1/4	4,614.59	1/4	4,943.35	1/4		1/4		1/4		1/4	
1/2	3,299.18	1/2	3,629.83	1/2	3,960.48	1/2	4,291.12	1/2	4,621.44	1/2	4,950.20	1/2		1/2		1/2		1/2	
3/4	3,306.07	3/4	3,636.72	3/4	3,967.36	3/4	4,298.01	3/4	4,628.29	3/4	4,957.05	3/4		3/4		3/4		3/4	
3	3,312.96	3	3,643.60	3	3,974.25	3	4,304.90	3	4,635.14	3	4,963.90	3		3		3		3	
1/4	3,319.84	1/4	3,650.49	1/4	3,981.14	1/4	4,311.79	1/4	4,641.99	1/4	4,970.71	1/4		1/4		1/4		1/4	
1/2	3,326.73	1/2	3,657.38	1/2	3,988.03	1/2	4,318.68	1/2	4,648.84	1/2	4,977.52	1/2		1/2		1/2		1/2	
3/4	3,333.62	3/4	3,664.27	3/4	3,994.92	3/4	4,325.57	3/4	4,655.69	3/4	4,984.32	3/4		3/4		3/4		3/4	
4	3,340.51	4	3,671.16	4	4,001.81	4	4,332.45	4	4,662.53	4	4,991.13	4		4		4		4	
1/4	3,347.40	1/4	3,678.05	1/4	4,008.69	1/4	4,339.34	1/4	4,669.38	1/4	4,997.93	1/4		1/4		1/4		1/4	
1/2	3,354.29	1/2	3,684.94	1/2	4,015.58	1/2	4,346.23	1/2	4,676.23	1/2	5,004.72	1/2		1/2		1/2		1/2	
3/4	3,361.18	3/4	3,691.82	3/4	4,022.47	3/4	4,353.12	3/4	4,683.08	3/4	5,011.51	3/4		3/4		3/4		3/4	
5	3,368.06	5	3,698.71	5	4,029.36	5	4,360.01	5	4,689.93	5	5,018.31	5		5		5		5	
1/4	3,374.95	1/4	3,705.60	1/4	4,036.25	1/4	4,366.90	1/4	4,696.78	1/4	5,025.10	1/4		1/4		1/4		1/4	
1/2	3,381.84	1/2	3,712.49	1/2	4,043.14	1/2	4,373.79	1/2	4,703.63	1/2	5,031.90	1/2		1/2		1/2		1/2	
3/4	3,388.73	3/4	3,719.38	3/4	4,050.03	3/4	4,380.67	3/4	4,710.48	3/4	5,038.69	3/4		3/4		3/4		3/4	
6	3,395.62	6	3,726.27	6	4,056.91	6	4,387.56	6	4,717.33	6	5,045.49	6		6		6		6	
1/4	3,402.51	1/4	3,733.15	1/4	4,063.80	1/4	4,394.45	1/4	4,724.18	1/4	5,052.28	1/4		1/4		1/4		1/4	
1/2	3,409.40	1/2	3,740.04	1/2	4,070.69	1/2	4,401.34	1/2	4,731.03	1/2	5,059.08	1/2		1/2		1/2		1/2	
3/4	3,416.28	3/4	3,746.93	3/4	4,077.58	3/4	4,408.23	3/4	4,737.88	3/4	5,065.87	3/4		3/4		3/4		3/4	
7	3,423.17	7	3,753.82	7	4,084.47	7	4,415.12	7	4,744.72	7	5,072.67	7		7		7		7	
1/4	3,430.06	1/4	3,760.71	1/4	4,091.36	1/4	4,422.00	1/4	4,751.57	1/4	5,078.95	1/4		1/4		1/4		1/4	
1/2	3,436.95	1/2	3,767.60	1/2	4,098.25	1/2	4,428.89	1/2	4,758.42	1/2	5,085.23	1/2		1/2		1/2		1/2	
3/4	3,443.84	3/4	3,774.49	3/4	4,105.13	3/4	4,435.78	3/4	4,765.27	3/4	5,091.51	3/4		3/4		3/4		3/4	
8	3,450.73	8	3,781.37	8	4,112.02	8	4,442.67	8	4,772.12	8	5,097.79	8		8		8		8	
1/4	3,457.61	1/4	3,788.26	1/4	4,118.91	1/4	4,449.56	1/4	4,778.97	1/4	5,102.89	1/4		1/4		1/4		1/4	
1/2	3,464.50	1/2	3,795.15	1/2	4,125.80	1/2	4,456.45	1/2	4,785.82	1/2	5,108.00	1/2		1/2		1/2		1/2	
3/4	3,471.39	3/4	3,802.04	3/4	4,132.69	3/4	4,463.34	3/4	4,792.67	3/4		3/4		3/4		3/4		3/4	
9	3,478.28	9	3,808.93	9	4,139.58	9	4,470.22	9	4,799.52	9		9		9		9		9	
1/4	3,485.17	1/4	3,815.82	1/4	4,146.46	1/4	4,477.11	1/4	4,806.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,492.06	1/2	3,822.71	1/2	4,153.35	1/2	4,484.00	1/2	4,813.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,498.95	3/4	3,829.59	3/4	4,160.24	3/4	4,490.89	3/4	4,820.07	3/4		3/4		3/4		3/4		3/4	
10	3,505.83	10	3,836.48	10	4,167.13	10	4,497.78	10	4,826.92	10		10		10		10		10	
1/4	3,512.72	1/4	3,843.37	1/4	4,174.02	1/4	4,504.67	1/4	4,833.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,519.61	1/2	3,850.26	1/2	4,180.91	1/2	4,511.56	1/2	4,840.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,526.50	3/4	3,857.15	3/4	4,187.80	3/4	4,518.44	3/4	4,847.46	3/4		3/4		3/4		3/4		3/4	
11	3,533.39	11	3,864.04	11	4,194.68	11	4,525.33	11	4,854.31	11		11		11		11		11	
1/4	3,540.28	1/4	3,870.92	1/4	4,201.57	1/4	4,532.22	1/4	4,861.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,547.17	1/2	3,877.81	1/2	4,208.46	1/2	4,539.11	1/2	4,868.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,554.05	3/4	3,884.70	3/4	4,215.35	3/4	4,546.00	3/4	4,874.86	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/17/2013 SW
CALCULATED: 05/17/2013 CL
PRINTED: 05/18/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CTCO 252"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09"

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	21.74	0	336.62	0	666.11	0	995.21	0	1,324.67	0	1,654.19	0	1,983.66	0	2,313.12	0	2,642.61	0	2,971.91
1/4	26.20	1/4	343.48	1/4	672.97	1/4	1,002.06	1/4	1,331.54	1/4	1,661.06	1/4	1,990.52	1/4	2,319.99	1/4	2,649.47	1/4	2,978.77
1/2	30.66	1/2	350.34	1/2	679.84	1/2	1,008.92	1/2	1,338.40	1/2	1,667.92	1/2	1,997.38	1/2	2,326.85	1/2	2,656.33	1/2	2,985.63
3/4	35.12	3/4	357.20	3/4	686.70	3/4	1,015.77	3/4	1,345.27	3/4	1,674.79	3/4	2,004.25	3/4	2,333.72	3/4	2,663.19	3/4	2,992.49
1	39.59	1	364.07	1	693.57	1	1,022.62	1	1,352.13	1	1,681.65	1	2,011.11	1	2,340.58	1	2,670.05	1	2,999.35
1/4	45.42	1/4	370.93	1/4	700.43	1/4	1,029.49	1/4	1,359.00	1/4	1,688.52	1/4	2,017.97	1/4	2,347.45	1/4	2,676.91	1/4	3,006.21
1/2	51.25	1/2	377.79	1/2	707.30	1/2	1,036.35	1/2	1,365.86	1/2	1,695.38	1/2	2,024.83	1/2	2,354.31	1/2	2,683.77	1/2	3,013.07
3/4	57.09	3/4	384.66	3/4	714.16	3/4	1,043.21	3/4	1,372.73	3/4	1,702.25	3/4	2,031.69	3/4	2,361.18	3/4	2,690.63	3/4	3,019.93
2	62.92	2	391.52	2	721.03	2	1,050.07	2	1,379.59	2	1,709.11	2	2,038.55	2	2,368.04	2	2,697.49	2	3,026.79
1/4	69.58	1/4	398.39	1/4	727.89	1/4	1,056.94	1/4	1,386.46	1/4	1,715.98	1/4	2,045.41	1/4	2,374.91	1/4	2,704.35	1/4	3,033.65
1/2	76.25	1/2	405.25	1/2	734.76	1/2	1,063.80	1/2	1,393.32	1/2	1,722.84	1/2	2,052.27	1/2	2,381.77	1/2	2,711.21	1/2	3,040.51
3/4	82.92	3/4	412.12	3/4	741.62	3/4	1,070.67	3/4	1,400.19	3/4	1,729.71	3/4	2,059.14	3/4	2,388.64	3/4	2,718.08	3/4	3,047.37
3	89.58	3	418.98	3	748.49	3	1,077.53	3	1,407.05	3	1,736.57	3	2,066.00	3	2,395.50	3	2,724.94	3	3,054.23
1/4	96.43	1/4	425.84	1/4	755.34	1/4	1,084.40	1/4	1,413.92	1/4	1,743.44	1/4	2,072.86	1/4	2,402.37	1/4	2,731.80	1/4	3,061.10
1/2	103.28	1/2	432.71	1/2	762.20	1/2	1,091.26	1/2	1,420.78	1/2	1,750.30	1/2	2,079.72	1/2	2,409.23	1/2	2,738.66	1/2	3,067.96
3/4	110.13	3/4	439.57	3/4	769.06	3/4	1,098.13	3/4	1,427.65	3/4	1,757.17	3/4	2,086.58	3/4	2,416.10	3/4	2,745.52	3/4	3,074.82
4	116.97	4	446.44	4	775.91	4	1,104.99	4	1,434.51	4	1,764.03	4	2,093.44	4	2,422.96	4	2,752.38	4	3,081.68
1/4	123.84	1/4	453.30	1/4	782.77	1/4	1,111.86	1/4	1,441.38	1/4	1,770.90	1/4	2,100.31	1/4	2,429.83	1/4	2,759.24	1/4	3,088.54
1/2	130.70	1/2	460.17	1/2	789.62	1/2	1,118.72	1/2	1,448.24	1/2	1,777.76	1/2	2,107.17	1/2	2,436.69	1/2	2,766.10	1/2	3,095.40
3/4	137.56	3/4	467.03	3/4	796.47	3/4	1,125.59	3/4	1,455.11	3/4	1,784.63	3/4	2,114.04	3/4	2,443.56	3/4	2,772.96	3/4	3,102.26
5	144.42	5	473.90	5	803.32	5	1,132.45	5	1,461.97	5	1,791.49	5	2,120.90	5	2,450.42	5	2,779.82	5	3,109.12
1/4	151.28	1/4	480.76	1/4	810.18	1/4	1,139.32	1/4	1,468.84	1/4	1,798.36	1/4	2,127.76	1/4	2,457.29	1/4	2,786.68	1/4	3,115.98
1/2	158.15	1/2	487.63	1/2	817.03	1/2	1,146.18	1/2	1,475.70	1/2	1,805.22	1/2	2,134.63	1/2	2,464.15	1/2	2,793.54	1/2	3,122.84
3/4	165.01	3/4	494.49	3/4	823.88	3/4	1,153.05	3/4	1,482.57	3/4	1,812.09	3/4	2,141.49	3/4	2,471.02	3/4	2,800.40	3/4	3,129.70
6	171.88	6	501.36	6	830.74	6	1,159.91	6	1,489.43	6	1,818.95	6	2,148.36	6	2,477.88	6	2,807.26	6	3,136.56
1/4	178.74	1/4	508.22	1/4	837.59	1/4	1,166.78	1/4	1,496.30	1/4	1,825.82	1/4	2,155.23	1/4	2,484.75	1/4	2,814.12	1/4	3,143.42
1/2	185.61	1/2	515.09	1/2	844.44	1/2	1,173.64	1/2	1,503.16	1/2	1,832.68	1/2	2,162.09	1/2	2,491.62	1/2	2,820.98	1/2	3,150.28
3/4	192.47	3/4	521.95	3/4	851.30	3/4	1,180.51	3/4	1,510.03	3/4	1,839.55	3/4	2,168.96	3/4	2,498.48	3/4	2,827.84	3/4	3,157.14
7	199.34	7	528.82	7	858.15	7	1,187.37	7	1,516.89	7	1,846.41	7	2,175.82	7	2,505.35	7	2,834.70	7	3,164.00
1/4	206.20	1/4	535.68	1/4	865.00	1/4	1,194.24	1/4	1,523.76	1/4	1,853.28	1/4	2,182.69	1/4	2,512.21	1/4	2,841.56	1/4	3,170.86
1/2	213.07	1/2	542.54	1/2	871.86	1/2	1,201.10	1/2	1,530.62	1/2	1,860.14	1/2	2,189.55	1/2	2,519.08	1/2	2,848.42	1/2	3,177.72
3/4	219.93	3/4	549.41	3/4	878.71	3/4	1,207.97	3/4	1,537.49	3/4	1,867.01	3/4	2,196.42	3/4	2,525.94	3/4	2,855.28	3/4	3,184.58
8	226.79	8	556.27	8	885.56	8	1,214.83	8	1,544.35	8	1,873.87	8	2,203.28	8	2,532.81	8	2,862.14	8	3,191.44
1/4	233.66	1/4	563.14	1/4	892.41	1/4	1,221.70	1/4	1,551.22	1/4	1,880.73	1/4	2,210.15	1/4	2,539.67	1/4	2,869.00	1/4	3,198.30
1/2	240.52	1/2	570.00	1/2	899.27	1/2	1,228.56	1/2	1,558.08	1/2	1,887.60	1/2	2,217.01	1/2	2,546.54	1/2	2,875.86	1/2	3,205.16
3/4	247.39	3/4	576.87	3/4	906.12	3/4	1,235.43	3/4	1,564.95	3/4	1,894.46	3/4	2,223.88	3/4	2,553.40	3/4	2,882.72	3/4	3,212.02
9	254.25	9	583.73	9	912.97	9	1,242.29	9	1,571.81	9	1,901.33	9	2,230.74	9	2,560.27	9	2,889.59	9	3,218.88
1/4	261.12	1/4	590.60	1/4	919.83	1/4	1,249.16	1/4	1,578.68	1/4	1,908.19	1/4	2,237.61	1/4	2,567.13	1/4	2,896.45	1/4	3,225.74
1/2	267.98	1/2	597.46	1/2	926.68	1/2	1,256.02	1/2	1,585.54	1/2	1,915.05	1/2	2,244.47	1/2	2,574.00	1/2	2,903.31	1/2	3,232.61
3/4	274.85	3/4	604.33	3/4	933.53	3/4	1,262.89	3/4	1,592.41	3/4	1,921.91	3/4	2,251.34	3/4	2,580.86	3/4	2,910.17	3/4	3,239.47
10	281.71	10	611.19	10	940.39	10	1,269.75	10	1,599.27	10	1,928.77	10	2,258.20	10	2,587.73	10	2,917.03	10	3,246.33
1/4	288.58	1/4	618.06	1/4	947.24	1/4	1,276.62	1/4	1,606.14	1/4	1,935.63	1/4	2,265.07	1/4	2,594.59	1/4	2,923.89	1/4	3,253.19
1/2	295.44	1/2	624.92	1/2	954.09	1/2	1,283.48	1/2	1,613.00	1/2	1,942.49	1/2	2,271.93	1/2	2,601.45	1/2	2,930.75	1/2	3,260.05
3/4	302.31	3/4	631.79	3/4	960.95	3/4	1,290.35	3/4	1,619.87	3/4	1,949.36	3/4	2,278.80	3/4	2,608.31	3/4	2,937.61	3/4	3,266.91
11	309.17	11	638.65	11	967.80	11	1,297.21	11	1,626.73	11	1,956.22	11	2,285.66	11	2,615.17	11	2,944.47	11	3,273.77
1/4	316.03	1/4	645.52	1/4	974.65	1/4	1,304.08	1/4	1,633.60	1/4	1,963.08	1/4	2,292.53	1/4	2,622.03	1/4	2,951.33	1/4	3,280.63
1/2	322.90	1/2	652.38	1/2	981.51	1/2	1,310.94	1/2	1,640.46	1/2	1,969.94	1/2	2,299.39	1/2	2,628.89	1/2	2,958.19	1/2	3,287.49
3/4	329.76	3/4	659.24	3/4	988.36	3/4	1,317.81	3/4	1,647.33	3/4	1,976.80	3/4	2,306.26	3/4	2,635.75	3/4	2,965.05	3/4	3,294.35

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'-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 "CTCO 252"

3 PORT INNAGE 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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,301.21	0	3,611.93	0	3,813.83	0	4,015.44	0	4,209.38	0	4,390.56	0		0		0		0	
1/4	3,308.07	1/4	3,616.14	1/4	3,818.04	1/4	4,019.59	1/4	4,213.27	1/4	4,394.21	1/4		1/4		1/4		1/4	
1/2	3,314.93	1/2	3,620.34	1/2	3,822.25	1/2	4,023.73	1/2	4,217.16	1/2	4,397.86	1/2		1/2		1/2		1/2	
3/4	3,321.79	3/4	3,624.55	3/4	3,826.45	3/4	4,027.87	3/4	4,221.05	3/4	4,401.51	3/4		3/4		3/4		3/4	
1	3,328.65	1	3,628.76	1	3,830.66	1	4,032.02	1	4,224.94	1	4,405.16	1		1		1		1	
1/4	3,335.51	1/4	3,632.96	1/4	3,834.86	1/4	4,036.15	1/4	4,228.79	1/4	4,408.80	1/4		1/4		1/4		1/4	
1/2	3,342.37	1/2	3,637.17	1/2	3,839.07	1/2	4,040.27	1/2	4,232.65	1/2	4,412.43	1/2		1/2		1/2		1/2	
3/4	3,349.23	3/4	3,641.37	3/4	3,843.28	3/4	4,044.40	3/4	4,236.51	3/4	4,416.06	3/4		3/4		3/4		3/4	
2	3,356.09	2	3,645.58	2	3,847.48	2	4,048.52	2	4,240.37	2	4,419.69	2		2		2		2	
1/4	3,362.95	1/4	3,649.79	1/4	3,851.69	1/4	4,052.63	1/4	4,244.21	1/4	4,423.30	1/4		1/4		1/4		1/4	
1/2	3,369.81	1/2	3,653.99	1/2	3,855.90	1/2	4,056.74	1/2	4,248.05	1/2	4,426.92	1/2		1/2		1/2		1/2	
3/4	3,376.67	3/4	3,658.20	3/4	3,860.10	3/4	4,060.84	3/4	4,251.89	3/4	4,430.53	3/4		3/4		3/4		3/4	
3	3,383.53	3	3,662.41	3	3,864.31	3	4,064.95	3	4,255.73	3	4,434.14	3		3		3		3	
1/4	3,390.39	1/4	3,666.61	1/4	3,868.51	1/4	4,069.04	1/4	4,259.55	1/4	4,437.69	1/4		1/4		1/4		1/4	
1/2	3,397.25	1/2	3,670.82	1/2	3,872.72	1/2	4,073.13	1/2	4,263.37	1/2	4,441.25	1/2		1/2		1/2		1/2	
3/4	3,404.12	3/4	3,675.02	3/4	3,876.93	3/4	4,077.21	3/4	4,267.19	3/4	4,444.80	3/4		3/4		3/4		3/4	
4	3,410.98	4	3,679.23	4	3,881.13	4	4,081.30	4	4,271.02	4	4,448.35	4		4		4		4	
1/4	3,417.84	1/4	3,683.44	1/4	3,885.34	1/4	4,085.37	1/4	4,274.82	1/4	4,451.87	1/4		1/4		1/4		1/4	
1/2	3,424.70	1/2	3,687.64	1/2	3,889.55	1/2	4,089.44	1/2	4,278.62	1/2	4,455.39	1/2		1/2		1/2		1/2	
3/4	3,431.56	3/4	3,691.85	3/4	3,893.75	3/4	4,093.51	3/4	4,282.42	3/4	4,458.91	3/4		3/4		3/4		3/4	
5	3,438.42	5	3,696.06	5	3,897.96	5	4,097.58	5	4,286.22	5	4,462.43	5		5		5		5	
1/4	3,445.28	1/4	3,700.26	1/4	3,902.16	1/4	4,101.63	1/4	4,290.01	1/4	4,465.93	1/4		1/4		1/4		1/4	
1/2	3,452.14	1/2	3,704.47	1/2	3,906.37	1/2	4,105.68	1/2	4,293.79	1/2	4,469.43	1/2		1/2		1/2		1/2	
3/4	3,459.00	3/4	3,708.67	3/4	3,910.58	3/4	4,109.73	3/4	4,297.57	3/4	4,472.93	3/4		3/4		3/4		3/4	
6	3,465.86	6	3,712.88	6	3,914.78	6	4,113.78	6	4,301.36	6	4,476.43	6		6		6		6	
1/4	3,472.72	1/4	3,717.09	1/4	3,918.99	1/4	4,117.81	1/4	4,305.12	1/4	4,479.92	1/4		1/4		1/4		1/4	
1/2	3,479.58	1/2	3,721.29	1/2	3,923.20	1/2	4,121.84	1/2	4,308.89	1/2	4,483.40	1/2		1/2		1/2		1/2	
3/4	3,486.44	3/4	3,725.50	3/4	3,927.40	3/4	4,125.87	3/4	4,312.65	3/4	4,486.89	3/4		3/4		3/4		3/4	
7	3,493.30	7	3,729.71	7	3,931.61	7	4,129.90	7	4,316.41	7	4,490.37	7		7		7		7	
1/4	3,500.16	1/4	3,733.91	1/4	3,935.82	1/4	4,133.91	1/4	4,320.16	1/4	4,493.32	1/4		1/4		1/4		1/4	
1/2	3,507.02	1/2	3,738.12	1/2	3,940.02	1/2	4,137.92	1/2	4,323.90	1/2	4,496.27	1/2		1/2		1/2		1/2	
3/4	3,513.88	3/4	3,742.33	3/4	3,944.23	3/4	4,141.94	3/4	4,327.65	3/4	4,499.21	3/4		3/4		3/4		3/4	
8	3,520.74	8	3,746.53	8	3,948.43	8	4,145.95	8	4,331.40	8	4,502.16	8		8		8		8	
1/4	3,527.60	1/4	3,750.74	1/4	3,952.64	1/4	4,149.94	1/4	4,335.12	1/4	4,504.43	1/4		1/4		1/4		1/4	
1/2	3,534.46	1/2	3,754.94	1/2	3,956.85	1/2	4,153.94	1/2	4,338.85	1/2	4,506.69	1/2		1/2		1/2		1/2	
3/4	3,541.32	3/4	3,759.15	3/4	3,961.05	3/4	4,157.93	3/4	4,342.57	3/4		3/4		3/4		3/4		3/4	
9	3,548.18	9	3,763.36	9	3,965.26	9	4,161.92	9	4,346.30	9		9		9		9		9	
1/4	3,555.04	1/4	3,767.56	1/4	3,969.46	1/4	4,165.90	1/4	4,350.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,561.90	1/2	3,771.77	1/2	3,973.66	1/2	4,169.87	1/2	4,353.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,568.76	3/4	3,775.98	3/4	3,977.86	3/4	4,173.84	3/4	4,357.42	3/4		3/4		3/4		3/4		3/4	
10	3,575.63	10	3,780.18	10	3,982.06	10	4,177.82	10	4,361.13	10		10		10		10		10	
1/4	3,580.89	1/4	3,784.39	1/4	3,986.24	1/4	4,181.77	1/4	4,364.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,585.63	1/2	3,788.59	1/2	3,990.42	1/2	4,185.73	1/2	4,368.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,590.37	3/4	3,792.80	3/4	3,994.60	3/4	4,189.68	3/4	4,372.20	3/4		3/4		3/4		3/4		3/4	
11	3,595.10	11	3,797.01	11	3,998.79	11	4,193.64	11	4,375.88	11		11		11		11		11	
1/4	3,599.31	1/4	3,801.21	1/4	4,002.95	1/4	4,197.58	1/4	4,379.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.52	1/2	3,805.42	1/2	4,007.11	1/2	4,201.51	1/2	4,383.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,607.72	3/4	3,809.63	3/4	4,011.28	3/4	4,205.45	3/4	4,386.89	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/17/2013 SW
CALCULATED: 05/17/2013 CL
PRINTED: 05/18/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CTCO 252"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/2"

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	21.75	0	336.64	0	665.76	0	981.03	0	1,306.04	0	1,634.58	0	1,963.12	0	2,291.83	0	2,620.57	0	2,949.12
1/4	26.21	1/4	343.50	1/4	672.61	1/4	987.53	1/4	1,312.89	1/4	1,641.43	1/4	1,969.97	1/4	2,298.68	1/4	2,627.42	1/4	2,955.94
1/2	30.68	1/2	350.36	1/2	679.46	1/2	994.02	1/2	1,319.73	1/2	1,648.27	1/2	1,976.81	1/2	2,305.53	1/2	2,634.26	1/2	2,962.76
3/4	35.14	3/4	357.23	3/4	686.32	3/4	1,000.52	3/4	1,326.58	3/4	1,655.12	3/4	1,983.66	3/4	2,312.38	3/4	2,641.11	3/4	2,969.58
1	39.60	1	364.09	1	693.17	1	1,007.01	1	1,333.42	1	1,661.96	1	1,990.50	1	2,319.23	1	2,647.95	1	2,976.39
1/4	45.43	1/4	370.95	1/4	699.99	1/4	1,013.51	1/4	1,340.27	1/4	1,668.81	1/4	1,997.35	1/4	2,326.08	1/4	2,654.80	1/4	2,983.20
1/2	51.27	1/2	377.82	1/2	706.81	1/2	1,020.01	1/2	1,347.11	1/2	1,675.65	1/2	2,004.19	1/2	2,332.93	1/2	2,661.64	1/2	2,990.01
3/4	57.10	3/4	384.68	3/4	713.63	3/4	1,026.50	3/4	1,353.95	3/4	1,682.50	3/4	2,011.04	3/4	2,339.78	3/4	2,668.49	3/4	2,996.82
2	62.93	2	391.54	2	720.44	2	1,033.00	2	1,360.80	2	1,689.34	2	2,017.88	2	2,346.63	2	2,675.33	2	3,003.63
1/4	69.60	1/4	398.41	1/4	727.03	1/4	1,039.71	1/4	1,367.64	1/4	1,696.18	1/4	2,024.73	1/4	2,353.48	1/4	2,682.18	1/4	3,010.44
1/2	76.27	1/2	405.27	1/2	733.61	1/2	1,046.43	1/2	1,374.49	1/2	1,703.03	1/2	2,031.57	1/2	2,360.33	1/2	2,689.02	1/2	3,017.25
3/4	82.93	3/4	412.14	3/4	740.20	3/4	1,053.14	3/4	1,381.33	3/4	1,709.87	3/4	2,038.41	3/4	2,367.18	3/4	2,695.87	3/4	3,024.05
3	89.60	3	419.00	3	746.78	3	1,059.86	3	1,388.18	3	1,716.72	3	2,045.26	3	2,374.03	3	2,702.71	3	3,030.86
1/4	96.45	1/4	425.86	1/4	753.29	1/4	1,066.68	1/4	1,395.02	1/4	1,723.56	1/4	2,052.11	1/4	2,380.88	1/4	2,709.56	1/4	3,037.67
1/2	103.29	1/2	432.72	1/2	759.80	1/2	1,073.50	1/2	1,401.87	1/2	1,730.41	1/2	2,058.96	1/2	2,387.72	1/2	2,716.40	1/2	3,044.48
3/4	110.14	3/4	439.59	3/4	766.31	3/4	1,080.32	3/4	1,408.71	3/4	1,737.25	3/4	2,065.80	3/4	2,394.57	3/4	2,723.25	3/4	3,051.29
4	116.99	4	446.45	4	772.82	4	1,087.14	4	1,415.56	4	1,744.10	4	2,072.65	4	2,401.42	4	2,730.09	4	3,058.10
1/4	123.85	1/4	453.30	1/4	779.33	1/4	1,093.97	1/4	1,422.40	1/4	1,750.94	1/4	2,079.50	1/4	2,408.27	1/4	2,736.94	1/4	3,064.91
1/2	130.71	1/2	460.16	1/2	785.84	1/2	1,100.80	1/2	1,429.25	1/2	1,757.79	1/2	2,086.35	1/2	2,415.12	1/2	2,743.78	1/2	3,071.71
3/4	137.58	3/4	467.01	3/4	792.35	3/4	1,107.63	3/4	1,436.09	3/4	1,764.63	3/4	2,093.20	3/4	2,421.97	3/4	2,750.62	3/4	3,078.52
5	144.44	5	473.86	5	798.86	5	1,114.46	5	1,442.93	5	1,771.48	5	2,100.05	5	2,428.82	5	2,757.47	5	3,085.33
1/4	151.30	1/4	480.72	1/4	805.37	1/4	1,121.29	1/4	1,449.78	1/4	1,778.32	1/4	2,106.90	1/4	2,435.67	1/4	2,764.31	1/4	3,092.14
1/2	158.17	1/2	487.57	1/2	811.88	1/2	1,128.12	1/2	1,456.62	1/2	1,785.16	1/2	2,113.75	1/2	2,442.52	1/2	2,771.16	1/2	3,098.95
3/4	165.03	3/4	494.42	3/4	818.39	3/4	1,134.96	3/4	1,463.47	3/4	1,792.01	3/4	2,120.60	3/4	2,449.37	3/4	2,778.00	3/4	3,105.76
6	171.90	6	501.28	6	824.90	6	1,141.79	6	1,470.31	6	1,798.85	6	2,127.45	6	2,456.22	6	2,784.85	6	3,112.57
1/4	178.76	1/4	508.13	1/4	831.41	1/4	1,148.63	1/4	1,477.16	1/4	1,805.70	1/4	2,134.30	1/4	2,463.07	1/4	2,791.69	1/4	3,119.40
1/2	185.63	1/2	514.98	1/2	837.92	1/2	1,155.47	1/2	1,484.00	1/2	1,812.54	1/2	2,141.15	1/2	2,469.92	1/2	2,798.54	1/2	3,126.24
3/4	192.49	3/4	521.84	3/4	844.43	3/4	1,162.31	3/4	1,490.85	3/4	1,819.39	3/4	2,148.00	3/4	2,476.77	3/4	2,805.38	3/4	3,133.07
7	199.36	7	528.69	7	850.94	7	1,169.15	7	1,497.69	7	1,826.23	7	2,154.84	7	2,483.62	7	2,812.23	7	3,139.91
1/4	206.22	1/4	535.54	1/4	857.45	1/4	1,176.00	1/4	1,504.54	1/4	1,833.08	1/4	2,161.69	1/4	2,490.47	1/4	2,819.07	1/4	3,146.75
1/2	213.09	1/2	542.40	1/2	863.96	1/2	1,182.84	1/2	1,511.38	1/2	1,839.92	1/2	2,168.54	1/2	2,497.31	1/2	2,825.92	1/2	3,153.60
3/4	219.95	3/4	549.25	3/4	870.47	3/4	1,189.68	3/4	1,518.23	3/4	1,846.77	3/4	2,175.39	3/4	2,504.16	3/4	2,832.76	3/4	3,160.44
8	226.82	8	556.10	8	876.98	8	1,196.53	8	1,525.07	8	1,853.61	8	2,182.24	8	2,511.01	8	2,839.61	8	3,167.29
1/4	233.68	1/4	562.96	1/4	883.49	1/4	1,203.37	1/4	1,531.91	1/4	1,860.46	1/4	2,189.09	1/4	2,517.86	1/4	2,846.45	1/4	3,174.13
1/2	240.55	1/2	569.81	1/2	890.00	1/2	1,210.22	1/2	1,538.76	1/2	1,867.30	1/2	2,195.94	1/2	2,524.71	1/2	2,853.30	1/2	3,180.98
3/4	247.41	3/4	576.66	3/4	896.51	3/4	1,217.06	3/4	1,545.60	3/4	1,874.14	3/4	2,202.79	3/4	2,531.56	3/4	2,860.14	3/4	3,187.82
9	254.28	9	583.52	9	903.02	9	1,223.91	9	1,552.45	9	1,880.99	9	2,209.64	9	2,538.41	9	2,866.99	9	3,194.67
1/4	261.14	1/4	590.37	1/4	909.53	1/4	1,230.75	1/4	1,559.29	1/4	1,887.83	1/4	2,216.49	1/4	2,545.26	1/4	2,873.83	1/4	3,201.51
1/2	268.01	1/2	597.22	1/2	916.04	1/2	1,237.60	1/2	1,566.14	1/2	1,894.68	1/2	2,223.34	1/2	2,552.11	1/2	2,880.68	1/2	3,208.36
3/4	274.87	3/4	604.08	3/4	922.55	3/4	1,244.44	3/4	1,572.98	3/4	1,901.52	3/4	2,230.19	3/4	2,558.96	3/4	2,887.52	3/4	3,215.20
10	281.74	10	610.93	10	929.06	10	1,251.29	10	1,579.83	10	1,908.37	10	2,237.04	10	2,565.81	10	2,894.37	10	3,222.05
1/4	288.60	1/4	617.78	1/4	935.56	1/4	1,258.13	1/4	1,586.67	1/4	1,915.21	1/4	2,243.89	1/4	2,572.66	1/4	2,901.21	1/4	3,228.89
1/2	295.47	1/2	624.64	1/2	942.05	1/2	1,264.97	1/2	1,593.52	1/2	1,922.06	1/2	2,250.74	1/2	2,579.50	1/2	2,908.06	1/2	3,235.74
3/4	302.33	3/4	631.49	3/4	948.55	3/4	1,271.82	3/4	1,600.36	3/4	1,928.90	3/4	2,257.59	3/4	2,586.35	3/4	2,914.90	3/4	3,242.58
11	309.19	11	638.34	11	955.05	11	1,278.66	11	1,607.20	11	1,935.75	11	2,264.44	11	2,593.19	11	2,921.74	11	3,249.43
1/4	316.06	1/4	645.20	1/4	961.55	1/4	1,285.51	1/4	1,614.05	1/4	1,942.59	1/4	2,271.28	1/4	2,600.04	1/4	2,928.59	1/4	3,256.27
1/2	322.92	1/2	652.05	1/2	968.04	1/2	1,292.35	1/2	1,620.89	1/2	1,949.43	1/2	2,278.13	1/2	2,606.88	1/2	2,935.43	1/2	3,263.12
3/4	329.78	3/4	658.90	3/4	974.54	3/4	1,299.20	3/4	1,627.74	3/4	1,956.28	3/4	2,284.98	3/4	2,613.73	3/4	2,942.28	3/4	3,269.96

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'-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 "CTCO 252"

**3 STBD
INNAGE 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.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,276.81	0	3,587.07	0	3,788.97	0	3,990.58	0	4,184.53	0	4,365.71	0		0		0		0	
1/4	3,283.65	1/4	3,591.28	1/4	3,793.18	1/4	3,994.73	1/4	4,188.41	1/4	4,369.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,290.50	1/2	3,595.49	1/2	3,797.39	1/2	3,998.87	1/2	4,192.30	1/2	4,373.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,297.34	3/4	3,599.69	3/4	3,801.59	3/4	4,003.02	3/4	4,196.19	3/4	4,376.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,304.18	1	3,603.90	1	3,805.80	1	4,007.16	1	4,200.08	1	4,380.31	1	1	1	1	1	1	1	1
1/4	3,311.03	1/4	3,608.10	1/4	3,810.01	1/4	4,011.29	1/4	4,203.94	1/4	4,383.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,317.87	1/2	3,612.31	1/2	3,814.21	1/2	4,015.41	1/2	4,207.80	1/2	4,387.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,324.72	3/4	3,616.52	3/4	3,818.42	3/4	4,019.54	3/4	4,211.65	3/4	4,391.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,331.56	2	3,620.72	2	3,822.63	2	4,023.67	2	4,215.51	2	4,394.83	2	2	2	2	2	2	2	2
1/4	3,338.41	1/4	3,624.93	1/4	3,826.83	1/4	4,027.77	1/4	4,219.35	1/4	4,398.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,345.25	1/2	3,629.14	1/2	3,831.04	1/2	4,031.88	1/2	4,223.19	1/2	4,402.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,352.10	3/4	3,633.34	3/4	3,835.24	3/4	4,035.99	3/4	4,227.03	3/4	4,405.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,358.94	3	3,637.55	3	3,839.45	3	4,040.09	3	4,230.87	3	4,409.28	3	3	3	3	3	3	3	3
1/4	3,365.79	1/4	3,641.75	1/4	3,843.66	1/4	4,044.18	1/4	4,234.70	1/4	4,412.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,372.63	1/2	3,645.96	1/2	3,847.86	1/2	4,048.27	1/2	4,238.52	1/2	4,416.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,379.48	3/4	3,650.17	3/4	3,852.07	3/4	4,052.36	3/4	4,242.34	3/4	4,419.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,386.32	4	3,654.37	4	3,856.28	4	4,056.44	4	4,246.16	4	4,423.49	4	4	4	4	4	4	4	4
1/4	3,393.17	1/4	3,658.58	1/4	3,860.48	1/4	4,060.51	1/4	4,249.96	1/4	4,427.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,400.01	1/2	3,662.79	1/2	3,864.69	1/2	4,064.58	1/2	4,253.76	1/2	4,430.53	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,406.86	3/4	3,666.99	3/4	3,868.89	3/4	4,068.65	3/4	4,257.57	3/4	4,434.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,413.70	5	3,671.20	5	3,873.10	5	4,072.72	5	4,261.37	5	4,437.57	5	5	5	5	5	5	5	5
1/4	3,420.55	1/4	3,675.40	1/4	3,877.31	1/4	4,076.77	1/4	4,265.15	1/4	4,441.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,427.39	1/2	3,679.61	1/2	3,881.51	1/2	4,080.82	1/2	4,268.93	1/2	4,444.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,434.24	3/4	3,683.82	3/4	3,885.72	3/4	4,084.87	3/4	4,272.72	3/4	4,448.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,441.08	6	3,688.02	6	3,889.93	6	4,088.92	6	4,276.50	6	4,451.58	6	6	6	6	6	6	6	6
1/4	3,447.93	1/4	3,692.23	1/4	3,894.13	1/4	4,092.95	1/4	4,280.26	1/4	4,455.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,454.77	1/2	3,696.44	1/2	3,898.34	1/2	4,096.98	1/2	4,284.03	1/2	4,458.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,461.62	3/4	3,700.64	3/4	3,902.54	3/4	4,101.01	3/4	4,287.79	3/4	4,462.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,468.46	7	3,704.85	7	3,906.75	7	4,105.04	7	4,291.56	7	4,465.51	7	7	7	7	7	7	7	7
1/4	3,475.32	1/4	3,709.06	1/4	3,910.96	1/4	4,109.06	1/4	4,295.30	1/4	4,468.46	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,482.17	1/2	3,713.26	1/2	3,915.16	1/2	4,113.07	1/2	4,299.05	1/2	4,471.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,489.03	3/4	3,717.47	3/4	3,919.37	3/4	4,117.08	3/4	4,302.79	3/4	4,474.36	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,495.88	8	3,721.67	8	3,923.58	8	4,121.09	8	4,306.54	8	4,477.31	8	8	8	8	8	8	8	8
1/4	3,502.75	1/4	3,725.88	1/4	3,927.78	1/4	4,125.09	1/4	4,310.26	1/4	4,479.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,509.61	1/2	3,730.09	1/2	3,931.99	1/2	4,129.08	1/2	4,313.99	1/2	4,481.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,516.47	3/4	3,734.29	3/4	3,936.20	3/4	4,133.07	3/4	4,317.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,523.33	9	3,738.50	9	3,940.40	9	4,137.06	9	4,321.44	9		9	9	9	9	9	9	9	9
1/4	3,530.19	1/4	3,742.71	1/4	3,944.60	1/4	4,141.04	1/4	4,325.15	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,537.05	1/2	3,746.91	1/2	3,948.80	1/2	4,145.01	1/2	4,328.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,543.91	3/4	3,751.12	3/4	3,953.00	3/4	4,148.99	3/4	4,332.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,550.77	10	3,755.32	10	3,957.20	10	4,152.96	10	4,336.27	10		10	10	10	10	10	10	10	10
1/4	3,556.04	1/4	3,759.53	1/4	3,961.38	1/4	4,156.92	1/4	4,339.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,560.77	1/2	3,763.74	1/2	3,965.56	1/2	4,160.87	1/2	4,343.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,565.51	3/4	3,767.94	3/4	3,969.75	3/4	4,164.83	3/4	4,347.34	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,570.25	11	3,772.15	11	3,973.93	11	4,168.78	11	4,351.03	11		11	11	11	11	11	11	11	11
1/4	3,574.45	1/4	3,776.36	1/4	3,978.09	1/4	4,172.72	1/4	4,354.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,578.66	1/2	3,780.56	1/2	3,982.26	1/2	4,176.65	1/2	4,358.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,582.87	3/4	3,784.77	3/4	3,986.42	3/4	4,180.59	3/4	4,362.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/17/2013 SW
CALCULATED: 05/17/2013 CL
PRINTED: 05/18/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2013

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