



BARGE "CTCO 250"

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	00-3/8	- 00-3/8	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	00-3/8	- 00-3/8	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"

March 14, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCO 250"

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.
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 Pearland, Texas 77588
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BARGE "CTCO 250"

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: 03/14/2013 SW
CALCULATED: 03/17/2013 CL
PRINTED: 03/17/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTCO 250"

1 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	21.90	0	339.22	0	671.25	0	1,001.41	0	1,333.08	0	1,665.15	0	1,997.22	0	2,329.29	0	2,661.32	0	2,993.17
1/4	26.40	1/4	346.13	1/4	678.17	1/4	1,008.28	1/4	1,340.00	1/4	1,672.07	1/4	2,004.14	1/4	2,336.21	1/4	2,668.24	1/4	3,000.09
1/2	30.90	1/2	353.05	1/2	685.09	1/2	1,015.15	1/2	1,346.92	1/2	1,678.99	1/2	2,011.06	1/2	2,343.12	1/2	2,675.15	1/2	3,007.00
3/4	35.39	3/4	359.96	3/4	692.01	3/4	1,022.03	3/4	1,353.84	3/4	1,685.90	3/4	2,017.97	3/4	2,350.04	3/4	2,682.06	3/4	3,013.91
1	39.89	1	366.87	1	698.93	1	1,028.90	1	1,360.75	1	1,692.82	1	2,024.89	1	2,356.96	1	2,688.98	1	3,020.83
1/4	45.77	1/4	373.79	1/4	705.84	1/4	1,035.77	1/4	1,367.67	1/4	1,699.74	1/4	2,031.81	1/4	2,363.88	1/4	2,695.89	1/4	3,027.74
1/2	51.64	1/2	380.71	1/2	712.76	1/2	1,042.65	1/2	1,374.59	1/2	1,706.66	1/2	2,038.73	1/2	2,370.80	1/2	2,702.81	1/2	3,034.65
3/4	57.52	3/4	387.63	3/4	719.68	3/4	1,049.52	3/4	1,381.51	3/4	1,713.58	3/4	2,045.65	3/4	2,377.71	3/4	2,709.72	3/4	3,041.57
2	63.40	2	394.54	2	726.60	2	1,056.40	2	1,388.43	2	1,720.49	2	2,052.56	2	2,384.63	2	2,716.63	2	3,048.48
1/4	70.12	1/4	401.46	1/4	733.48	1/4	1,063.31	1/4	1,395.34	1/4	1,727.41	1/4	2,059.48	1/4	2,391.55	1/4	2,723.55	1/4	3,055.39
1/2	76.84	1/2	408.38	1/2	740.36	1/2	1,070.21	1/2	1,402.26	1/2	1,734.33	1/2	2,066.40	1/2	2,398.47	1/2	2,730.46	1/2	3,062.31
3/4	83.55	3/4	415.30	3/4	747.24	3/4	1,077.12	3/4	1,409.18	3/4	1,741.25	3/4	2,073.32	3/4	2,405.39	3/4	2,737.37	3/4	3,069.22
3	90.27	3	422.21	3	754.12	3	1,084.03	3	1,416.10	3	1,748.17	3	2,080.24	3	2,412.30	3	2,744.29	3	3,076.13
1/4	97.17	1/4	429.13	1/4	760.99	1/4	1,090.95	1/4	1,423.02	1/4	1,755.09	1/4	2,087.15	1/4	2,419.22	1/4	2,751.20	1/4	3,083.05
1/2	104.07	1/2	436.05	1/2	767.86	1/2	1,097.87	1/2	1,429.93	1/2	1,762.00	1/2	2,094.07	1/2	2,426.14	1/2	2,758.11	1/2	3,089.96
3/4	110.97	3/4	442.97	3/4	774.73	3/4	1,104.78	3/4	1,436.85	3/4	1,768.92	3/4	2,100.99	3/4	2,433.06	3/4	2,765.03	3/4	3,096.87
4	117.87	4	449.88	4	781.60	4	1,111.70	4	1,443.77	4	1,775.84	4	2,107.91	4	2,439.98	4	2,771.94	4	3,103.79
1/4	124.79	1/4	456.80	1/4	788.47	1/4	1,118.62	1/4	1,450.69	1/4	1,782.76	1/4	2,114.83	1/4	2,446.90	1/4	2,778.85	1/4	3,110.70
1/2	131.70	1/2	463.72	1/2	795.34	1/2	1,125.54	1/2	1,457.61	1/2	1,789.68	1/2	2,121.74	1/2	2,453.81	1/2	2,785.77	1/2	3,117.62
3/4	138.62	3/4	470.64	3/4	802.20	3/4	1,132.46	3/4	1,464.53	3/4	1,796.59	3/4	2,128.66	3/4	2,460.73	3/4	2,792.68	3/4	3,124.53
5	145.53	5	477.56	5	809.07	5	1,139.37	5	1,471.44	5	1,803.51	5	2,135.58	5	2,467.65	5	2,799.59	5	3,131.44
1/4	152.45	1/4	484.47	1/4	815.94	1/4	1,146.29	1/4	1,478.36	1/4	1,810.43	1/4	2,142.50	1/4	2,474.57	1/4	2,806.51	1/4	3,138.36
1/2	159.37	1/2	491.39	1/2	822.81	1/2	1,153.21	1/2	1,485.28	1/2	1,817.35	1/2	2,149.42	1/2	2,481.49	1/2	2,813.42	1/2	3,145.27
3/4	166.28	3/4	498.31	3/4	829.68	3/4	1,160.13	3/4	1,492.20	3/4	1,824.27	3/4	2,156.34	3/4	2,488.40	3/4	2,820.33	3/4	3,152.18
6	173.20	6	505.23	6	836.55	6	1,167.05	6	1,499.12	6	1,831.18	6	2,163.25	6	2,495.32	6	2,827.25	6	3,159.10
1/4	180.12	1/4	512.15	1/4	843.42	1/4	1,173.96	1/4	1,506.03	1/4	1,838.10	1/4	2,170.17	1/4	2,502.24	1/4	2,834.16	1/4	3,166.01
1/2	187.04	1/2	519.06	1/2	850.29	1/2	1,180.88	1/2	1,512.95	1/2	1,845.02	1/2	2,177.09	1/2	2,509.16	1/2	2,841.08	1/2	3,172.92
3/4	193.95	3/4	525.98	3/4	857.16	3/4	1,187.80	3/4	1,519.87	3/4	1,851.94	3/4	2,184.01	3/4	2,516.08	3/4	2,847.99	3/4	3,179.84
7	200.87	7	532.90	7	864.03	7	1,194.72	7	1,526.79	7	1,858.86	7	2,190.93	7	2,522.99	7	2,854.90	7	3,186.75
1/4	207.79	1/4	539.82	1/4	870.89	1/4	1,201.64	1/4	1,533.71	1/4	1,865.77	1/4	2,197.84	1/4	2,529.91	1/4	2,861.82	1/4	3,193.66
1/2	214.71	1/2	546.73	1/2	877.76	1/2	1,208.56	1/2	1,540.62	1/2	1,872.69	1/2	2,204.76	1/2	2,536.83	1/2	2,868.73	1/2	3,200.58
3/4	221.63	3/4	553.65	3/4	884.63	3/4	1,215.47	3/4	1,547.54	3/4	1,879.61	3/4	2,211.68	3/4	2,543.75	3/4	2,875.64	3/4	3,207.49
8	228.54	8	560.57	8	891.50	8	1,222.39	8	1,554.46	8	1,886.53	8	2,218.60	8	2,550.67	8	2,882.56	8	3,214.40
1/4	235.46	1/4	567.49	1/4	898.37	1/4	1,229.31	1/4	1,561.38	1/4	1,893.45	1/4	2,225.52	1/4	2,557.58	1/4	2,889.47	1/4	3,221.32
1/2	242.38	1/2	574.41	1/2	905.24	1/2	1,236.23	1/2	1,568.30	1/2	1,900.37	1/2	2,232.43	1/2	2,564.50	1/2	2,896.38	1/2	3,228.23
3/4	249.30	3/4	581.32	3/4	912.11	3/4	1,243.15	3/4	1,575.21	3/4	1,907.28	3/4	2,239.35	3/4	2,571.42	3/4	2,903.30	3/4	3,235.14
9	256.21	9	588.24	9	918.98	9	1,250.06	9	1,582.13	9	1,914.20	9	2,246.27	9	2,578.34	9	2,910.21	9	3,242.06
1/4	263.13	1/4	595.16	1/4	925.85	1/4	1,256.98	1/4	1,589.05	1/4	1,921.12	1/4	2,253.19	1/4	2,585.26	1/4	2,917.12	1/4	3,248.97
1/2	270.05	1/2	602.08	1/2	932.72	1/2	1,263.90	1/2	1,595.97	1/2	1,928.04	1/2	2,260.11	1/2	2,592.18	1/2	2,924.04	1/2	3,255.89
3/4	276.97	3/4	608.99	3/4	939.58	3/4	1,270.82	3/4	1,602.89	3/4	1,934.96	3/4	2,267.02	3/4	2,599.09	3/4	2,930.95	3/4	3,262.80
10	283.89	10	615.91	10	946.45	10	1,277.74	10	1,609.81	10	1,941.87	10	2,273.94	10	2,606.01	10	2,937.86	10	3,269.71
1/4	290.80	1/4	622.83	1/4	953.32	1/4	1,284.65	1/4	1,616.72	1/4	1,948.79	1/4	2,280.86	1/4	2,612.93	1/4	2,944.78	1/4	3,276.63
1/2	297.72	1/2	629.75	1/2	960.19	1/2	1,291.57	1/2	1,623.64	1/2	1,955.71	1/2	2,287.78	1/2	2,619.84	1/2	2,951.69	1/2	3,283.54
3/4	304.64	3/4	636.67	3/4	967.06	3/4	1,298.49	3/4	1,630.56	3/4	1,962.63	3/4	2,294.70	3/4	2,626.76	3/4	2,958.60	3/4	3,290.45
11	311.56	11	643.58	11	973.93	11	1,305.41	11	1,637.48	11	1,969.55	11	2,301.62	11	2,633.67	11	2,965.52	11	3,297.37
1/4	318.47	1/4	650.50	1/4	980.80	1/4	1,312.33	1/4	1,644.40	1/4	1,976.46	1/4	2,308.53	1/4	2,640.58	1/4	2,972.43	1/4	3,304.28
1/2	325.39	1/2	657.42	1/2	987.67	1/2	1,319.25	1/2	1,651.31	1/2	1,983.38	1/2	2,315.45	1/2	2,647.50	1/2	2,979.35	1/2	3,311.19
3/4	332.30	3/4	664.34	3/4	994.54	3/4	1,326.16	3/4	1,658.23	3/4	1,990.30	3/4	2,322.37	3/4	2,654.41	3/4	2,986.26	3/4	3,318.11

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 250"

**1 STBD
INNAGE 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	3,325.02	0	3,656.87	0	3,988.72	0	4,320.12	0	4,640.36	0	4,942.82	0		0		0		0	
1/4	3,331.93	1/4	3,663.78	1/4	3,995.63	1/4	4,326.95	1/4	4,646.82	1/4	4,948.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,338.85	1/2	3,670.70	1/2	4,002.54	1/2	4,333.77	1/2	4,653.28	1/2	4,955.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,345.76	3/4	3,677.61	3/4	4,009.46	3/4	4,340.59	3/4	4,659.75	3/4	4,961.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,352.67	1	3,684.52	1	4,016.37	1	4,347.42	1	4,666.21	1	4,967.30	1	1	1	1	1	1	1	1
1/4	3,359.59	1/4	3,691.44	1/4	4,023.28	1/4	4,354.21	1/4	4,672.63	1/4	4,973.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,366.50	1/2	3,698.35	1/2	4,030.20	1/2	4,361.01	1/2	4,679.06	1/2	4,979.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,373.41	3/4	3,705.26	3/4	4,037.11	3/4	4,367.81	3/4	4,685.48	3/4	4,985.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,380.33	2	3,712.18	2	4,044.02	2	4,374.60	2	4,691.91	2	4,991.68	2	2	2	2	2	2	2	2
1/4	3,387.24	1/4	3,719.09	1/4	4,050.94	1/4	4,381.37	1/4	4,698.30	1/4	4,997.74	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,394.16	1/2	3,726.00	1/2	4,057.85	1/2	4,388.14	1/2	4,704.70	1/2	5,003.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,401.07	3/4	3,732.92	3/4	4,064.76	3/4	4,394.91	3/4	4,711.10	3/4	5,009.87	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,407.98	3	3,739.83	3	4,071.68	3	4,401.67	3	4,717.50	3	5,015.94	3	3	3	3	3	3	3	3
1/4	3,414.90	1/4	3,746.74	1/4	4,078.59	1/4	4,408.42	1/4	4,723.87	1/4	5,021.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,421.81	1/2	3,753.66	1/2	4,085.51	1/2	4,415.16	1/2	4,730.24	1/2	5,027.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,428.72	3/4	3,760.57	3/4	4,092.42	3/4	4,421.90	3/4	4,736.61	3/4	5,033.93	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,435.64	4	3,767.48	4	4,099.33	4	4,428.64	4	4,742.98	4	5,039.93	4	4	4	4	4	4	4	4
1/4	3,442.55	1/4	3,774.40	1/4	4,106.25	1/4	4,435.35	1/4	4,749.32	1/4	5,045.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,449.46	1/2	3,781.31	1/2	4,113.16	1/2	4,442.06	1/2	4,755.66	1/2	5,051.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,456.38	3/4	3,788.22	3/4	4,120.07	3/4	4,448.78	3/4	4,762.00	3/4	5,057.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,463.29	5	3,795.14	5	4,126.99	5	4,455.49	5	4,768.34	5	5,063.75	5	5	5	5	5	5	5	5
1/4	3,470.20	1/4	3,802.05	1/4	4,133.90	1/4	4,462.18	1/4	4,774.66	1/4	5,069.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,477.12	1/2	3,808.97	1/2	4,140.81	1/2	4,468.86	1/2	4,780.97	1/2	5,075.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,484.03	3/4	3,815.88	3/4	4,147.73	3/4	4,475.55	3/4	4,787.29	3/4	5,081.53	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,490.94	6	3,822.79	6	4,154.64	6	4,482.23	6	4,793.60	6	5,087.46	6	6	6	6	6	6	6	6
1/4	3,497.86	1/4	3,829.71	1/4	4,161.55	1/4	4,488.89	1/4	4,799.89	1/4	5,093.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,504.77	1/2	3,836.62	1/2	4,168.47	1/2	4,495.55	1/2	4,806.17	1/2	5,099.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,511.68	3/4	3,843.53	3/4	4,175.38	3/4	4,502.20	3/4	4,812.46	3/4	5,105.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,518.60	7	3,850.45	7	4,182.29	7	4,508.86	7	4,818.75	7	5,111.07	7	7	7	7	7	7	7	7
1/4	3,525.51	1/4	3,857.36	1/4	4,189.21	1/4	4,515.49	1/4	4,825.01	1/4	5,116.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,532.43	1/2	3,864.27	1/2	4,196.12	1/2	4,522.12	1/2	4,831.26	1/2	5,121.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,539.34	3/4	3,871.19	3/4	4,203.03	3/4	4,528.75	3/4	4,837.52	3/4	5,127.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,546.25	8	3,878.10	8	4,209.95	8	4,535.38	8	4,843.78	8	5,132.48	8	8	8	8	8	8	8	8
1/4	3,553.17	1/4	3,885.01	1/4	4,216.86	1/4	4,541.99	1/4	4,850.01	1/4	5,137.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,560.08	1/2	3,891.93	1/2	4,223.78	1/2	4,548.59	1/2	4,856.25	1/2	5,142.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,566.99	3/4	3,898.84	3/4	4,230.69	3/4	4,555.19	3/4	4,862.48	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,573.91	9	3,905.75	9	4,237.60	9	4,561.79	9	4,868.71	9		9	9	9	9	9	9	9	9
1/4	3,580.82	1/4	3,912.67	1/4	4,244.50	1/4	4,568.37	1/4	4,874.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,587.73	1/2	3,919.58	1/2	4,251.40	1/2	4,574.94	1/2	4,881.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,594.65	3/4	3,926.49	3/4	4,258.30	3/4	4,581.52	3/4	4,887.32	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,601.56	10	3,933.41	10	4,265.20	10	4,588.09	10	4,893.52	10	10	10	10	10	10	10	10	10	10
1/4	3,608.47	1/4	3,940.32	1/4	4,272.08	1/4	4,594.64	1/4	4,899.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,615.39	1/2	3,947.24	1/2	4,278.96	1/2	4,601.19	1/2	4,905.88	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,622.30	3/4	3,954.15	3/4	4,285.84	3/4	4,607.73	3/4	4,912.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,629.21	11	3,961.06	11	4,292.72	11	4,614.28	11	4,918.23	11	11	11	11	11	11	11	11	11	11
1/4	3,636.13	1/4	3,967.98	1/4	4,299.57	1/4	4,620.80	1/4	4,924.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,643.04	1/2	3,974.89	1/2	4,306.42	1/2	4,627.32	1/2	4,930.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,649.95	3/4	3,981.80	3/4	4,313.27	3/4	4,633.84	3/4	4,936.67	3/4	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: 03/14/2013 SW
CALCULATED: 03/17/2013 CL
PRINTED: 03/17/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CTCO 250"

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	337.96	0	668.76	0	999.27	0	1,330.06	0	1,660.89	0	1,991.73	0	2,322.56	0	2,653.36	0	2,983.97
1/4	26.30	1/4	344.85	1/4	675.65	1/4	1,006.15	1/4	1,336.95	1/4	1,667.79	1/4	1,998.62	1/4	2,329.46	1/4	2,660.25	1/4	2,990.86
1/2	30.78	1/2	351.74	1/2	682.55	1/2	1,013.04	1/2	1,343.84	1/2	1,674.68	1/2	2,005.51	1/2	2,336.35	1/2	2,667.14	1/2	2,997.75
3/4	35.26	3/4	358.62	3/4	689.44	3/4	1,019.92	3/4	1,350.74	3/4	1,681.57	3/4	2,012.41	3/4	2,343.24	3/4	2,674.02	3/4	3,004.63
1	39.74	1	365.51	1	696.33	1	1,026.80	1	1,357.63	1	1,688.46	1	2,019.30	1	2,350.13	1	2,708.91	1	3,011.52
1/4	45.60	1/4	372.40	1/4	703.22	1/4	1,033.69	1/4	1,364.52	1/4	1,695.36	1/4	2,026.19	1/4	2,357.03	1/4	2,687.80	1/4	3,018.41
1/2	51.45	1/2	379.30	1/2	710.11	1/2	1,040.58	1/2	1,371.41	1/2	1,702.25	1/2	2,033.08	1/2	2,363.92	1/2	2,694.69	1/2	3,025.30
3/4	57.31	3/4	386.19	3/4	717.01	3/4	1,047.47	3/4	1,378.31	3/4	1,709.14	3/4	2,039.98	3/4	2,370.81	3/4	2,701.57	3/4	3,032.18
2	63.17	2	393.08	2	723.90	2	1,054.36	2	1,385.20	2	1,716.03	2	2,046.87	2	2,377.70	2	2,708.46	2	3,039.07
1/4	69.86	1/4	399.97	1/4	730.79	1/4	1,061.26	1/4	1,392.09	1/4	1,722.93	1/4	2,053.76	1/4	2,384.60	1/4	2,715.35	1/4	3,045.96
1/2	76.55	1/2	406.86	1/2	737.68	1/2	1,068.15	1/2	1,398.98	1/2	1,729.82	1/2	2,060.65	1/2	2,391.49	1/2	2,722.24	1/2	3,052.85
3/4	83.24	3/4	413.75	3/4	744.57	3/4	1,075.04	3/4	1,405.88	3/4	1,736.71	3/4	2,067.55	3/4	2,398.38	3/4	2,729.13	3/4	3,059.73
3	89.94	3	420.65	3	751.47	3	1,081.93	3	1,412.77	3	1,743.60	3	2,074.44	3	2,405.27	3	2,736.01	3	3,066.62
1/4	96.81	1/4	427.54	1/4	758.35	1/4	1,088.82	1/4	1,419.66	1/4	1,750.50	1/4	2,081.33	1/4	2,412.17	1/4	2,742.90	1/4	3,073.51
1/2	103.69	1/2	434.43	1/2	765.24	1/2	1,095.72	1/2	1,426.55	1/2	1,757.39	1/2	2,088.22	1/2	2,419.06	1/2	2,749.79	1/2	3,080.40
3/4	110.56	3/4	441.32	3/4	772.12	3/4	1,102.61	3/4	1,433.44	3/4	1,764.28	3/4	2,095.12	3/4	2,425.95	3/4	2,756.68	3/4	3,087.29
4	117.44	4	448.21	4	779.01	4	1,109.50	4	1,440.34	4	1,771.17	4	2,102.01	4	2,432.84	4	2,763.56	4	3,094.17
1/4	124.33	1/4	455.11	1/4	785.89	1/4	1,116.39	1/4	1,447.23	1/4	1,778.06	1/4	2,108.90	1/4	2,439.74	1/4	2,770.45	1/4	3,101.06
1/2	131.21	1/2	462.00	1/2	792.77	1/2	1,123.29	1/2	1,454.12	1/2	1,784.96	1/2	2,115.79	1/2	2,446.63	1/2	2,777.34	1/2	3,107.95
3/4	138.10	3/4	468.89	3/4	799.66	3/4	1,130.18	3/4	1,461.01	3/4	1,791.85	3/4	2,122.68	3/4	2,453.52	3/4	2,784.23	3/4	3,114.84
5	144.99	5	475.78	5	806.56	5	1,137.07	5	1,467.91	5	1,798.74	5	2,129.58	5	2,460.41	5	2,791.11	5	3,121.72
1/4	151.88	1/4	482.67	1/4	813.42	1/4	1,143.96	1/4	1,474.80	1/4	1,805.63	1/4	2,136.47	1/4	2,467.30	1/4	2,798.00	1/4	3,128.61
1/2	158.77	1/2	489.57	1/2	820.31	1/2	1,150.86	1/2	1,481.69	1/2	1,812.53	1/2	2,143.36	1/2	2,474.20	1/2	2,804.89	1/2	3,135.50
3/4	165.67	3/4	496.46	3/4	827.19	3/4	1,157.75	3/4	1,488.58	3/4	1,819.42	3/4	2,150.25	3/4	2,481.09	3/4	2,811.78	3/4	3,142.39
6	172.56	6	503.35	6	834.07	6	1,164.64	6	1,495.48	6	1,826.31	6	2,157.15	6	2,487.98	6	2,818.67	6	3,149.28
1/4	179.45	1/4	510.24	1/4	840.96	1/4	1,171.53	1/4	1,502.37	1/4	1,833.20	1/4	2,164.04	1/4	2,494.87	1/4	2,825.55	1/4	3,156.16
1/2	186.34	1/2	517.14	1/2	847.84	1/2	1,178.43	1/2	1,509.26	1/2	1,840.10	1/2	2,170.93	1/2	2,501.77	1/2	2,832.44	1/2	3,163.05
3/4	193.23	3/4	524.03	3/4	854.72	3/4	1,185.32	3/4	1,516.15	3/4	1,846.99	3/4	2,177.82	3/4	2,508.66	3/4	2,839.33	3/4	3,169.94
7	200.13	7	530.92	7	861.61	7	1,192.21	7	1,523.05	7	1,853.88	7	2,184.72	7	2,515.55	7	2,846.22	7	3,176.83
1/4	207.02	1/4	537.81	1/4	868.49	1/4	1,199.10	1/4	1,529.94	1/4	1,860.77	1/4	2,191.61	1/4	2,522.44	1/4	2,853.10	1/4	3,183.71
1/2	213.91	1/2	544.70	1/2	875.37	1/2	1,206.00	1/2	1,536.83	1/2	1,867.67	1/2	2,198.50	1/2	2,529.34	1/2	2,859.99	1/2	3,190.60
3/4	220.80	3/4	551.60	3/4	882.26	3/4	1,212.89	3/4	1,543.72	3/4	1,874.56	3/4	2,205.39	3/4	2,536.23	3/4	2,866.88	3/4	3,197.49
8	227.70	8	558.49	8	889.14	8	1,219.78	8	1,550.62	8	1,881.45	8	2,212.29	8	2,543.12	8	2,873.77	8	3,204.38
1/4	234.59	1/4	565.38	1/4	896.02	1/4	1,226.67	1/4	1,557.51	1/4	1,888.34	1/4	2,219.18	1/4	2,550.01	1/4	2,880.65	1/4	3,211.26
1/2	241.48	1/2	572.27	1/2	902.90	1/2	1,233.57	1/2	1,564.40	1/2	1,895.24	1/2	2,226.07	1/2	2,556.91	1/2	2,887.54	1/2	3,218.15
3/4	248.37	3/4	579.16	3/4	909.79	3/4	1,240.46	3/4	1,571.29	3/4	1,902.13	3/4	2,232.96	3/4	2,563.80	3/4	2,894.43	3/4	3,225.04
9	255.26	9	586.06	9	916.67	9	1,247.35	9	1,578.19	9	1,909.02	9	2,239.86	9	2,570.69	9	2,901.32	9	3,231.93
1/4	262.16	1/4	592.95	1/4	923.55	1/4	1,254.24	1/4	1,585.08	1/4	1,915.91	1/4	2,246.75	1/4	2,577.58	1/4	2,908.21	1/4	3,238.82
1/2	269.05	1/2	599.84	1/2	930.44	1/2	1,261.13	1/2	1,591.97	1/2	1,922.81	1/2	2,253.64	1/2	2,584.48	1/2	2,915.09	1/2	3,245.70
3/4	275.94	3/4	606.73	3/4	937.32	3/4	1,268.03	3/4	1,598.86	3/4	1,929.70	3/4	2,260.53	3/4	2,591.37	3/4	2,921.98	3/4	3,252.59
10	282.83	10	613.62	10	944.20	10	1,274.92	10	1,605.75	10	1,936.59	10	2,267.43	10	2,598.26	10	2,928.87	10	3,259.48
1/4	289.72	1/4	620.52	1/4	951.09	1/4	1,281.81	1/4	1,612.65	1/4	1,943.48	1/4	2,274.32	1/4	2,605.15	1/4	2,935.76	1/4	3,266.37
1/2	296.62	1/2	627.41	1/2	957.97	1/2	1,288.70	1/2	1,619.54	1/2	1,950.37	1/2	2,281.21	1/2	2,612.04	1/2	2,942.64	1/2	3,273.25
3/4	303.51	3/4	634.30	3/4	964.85	3/4	1,295.60	3/4	1,626.43	3/4	1,957.27	3/4	2,288.10	3/4	2,618.92	3/4	2,949.53	3/4	3,280.14
11	310.40	11	641.19	11	971.74	11	1,302.49	11	1,633.32	11	1,964.16	11	2,294.99	11	2,625.81	11	2,956.42	11	3,287.03
1/4	317.29	1/4	648.09	1/4	978.62	1/4	1,309.38	1/4	1,640.22	1/4	1,971.05	1/4	2,301.89	1/4	2,632.70	1/4	2,963.31	1/4	3,293.92
1/2	324.18	1/2	654.98	1/2	985.50	1/2	1,316.27	1/2	1,647.11	1/2	1,977.94	1/2	2,308.78	1/2	2,639.59	1/2	2,970.19	1/2	3,300.80
3/4	331.07	3/4	661.87	3/4	992.39	3/4	1,323.17	3/4	1,654.00	3/4	1,984.84	3/4	2,315.67	3/4	2,646.47	3/4	2,977.08	3/4	3,307.69

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 250"

2 PORT INNAGE 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	3,314.58	0	3,645.19	0	3,975.80	0	4,305.99	0	4,625.03	0	4,926.37	0		0		0		0	
1/4	3,321.47	1/4	3,652.08	1/4	3,982.69	1/4	4,312.79	1/4	4,631.47	1/4	4,932.46	1/4		1/4		1/4		1/4	
1/2	3,328.36	1/2	3,658.96	1/2	3,989.57	1/2	4,319.58	1/2	4,637.91	1/2	4,938.56	1/2		1/2		1/2		1/2	
3/4	3,335.24	3/4	3,665.85	3/4	3,996.46	3/4	4,326.38	3/4	4,644.35	3/4	4,944.66	3/4		3/4		3/4		3/4	
1	3,342.13	1	3,672.74	1	4,003.35	1	4,333.18	1	4,650.79	1	4,950.76	1		1		1		1	
1/4	3,349.02	1/4	3,679.63	1/4	4,010.24	1/4	4,339.95	1/4	4,657.19	1/4	4,956.83	1/4		1/4		1/4		1/4	
1/2	3,355.91	1/2	3,686.52	1/2	4,017.13	1/2	4,346.72	1/2	4,663.59	1/2	4,962.90	1/2		1/2		1/2		1/2	
3/4	3,362.79	3/4	3,693.40	3/4	4,024.01	3/4	4,353.49	3/4	4,669.99	3/4	4,968.97	3/4		3/4		3/4		3/4	
2	3,369.68	2	3,700.29	2	4,030.90	2	4,360.26	2	4,676.39	2	4,975.04	2		2		2		2	
1/4	3,376.57	1/4	3,707.18	1/4	4,037.79	1/4	4,367.01	1/4	4,682.76	1/4	4,981.08	1/4		1/4		1/4		1/4	
1/2	3,383.46	1/2	3,714.07	1/2	4,044.68	1/2	4,373.75	1/2	4,689.14	1/2	4,987.13	1/2		1/2		1/2		1/2	
3/4	3,390.34	3/4	3,720.95	3/4	4,051.56	3/4	4,380.49	3/4	4,695.51	3/4	4,993.17	3/4		3/4		3/4		3/4	
3	3,397.23	3	3,727.84	3	4,058.45	3	4,387.24	3	4,701.88	3	4,999.21	3		3		3		3	
1/4	3,404.12	1/4	3,734.73	1/4	4,065.34	1/4	4,393.95	1/4	4,708.23	1/4	5,005.19	1/4		1/4		1/4		1/4	
1/2	3,411.01	1/2	3,741.62	1/2	4,072.23	1/2	4,400.67	1/2	4,714.57	1/2	5,011.16	1/2		1/2		1/2		1/2	
3/4	3,417.90	3/4	3,748.50	3/4	4,079.11	3/4	4,407.38	3/4	4,720.92	3/4	5,017.13	3/4		3/4		3/4		3/4	
4	3,424.78	4	3,755.39	4	4,086.00	4	4,414.10	4	4,727.27	4	5,023.11	4		4		4		4	
1/4	3,431.67	1/4	3,762.28	1/4	4,092.89	1/4	4,420.79	1/4	4,733.58	1/4	5,029.04	1/4		1/4		1/4		1/4	
1/2	3,438.56	1/2	3,769.17	1/2	4,099.78	1/2	4,427.47	1/2	4,739.90	1/2	5,034.97	1/2		1/2		1/2		1/2	
3/4	3,445.45	3/4	3,776.06	3/4	4,106.67	3/4	4,434.16	3/4	4,746.22	3/4	5,040.91	3/4		3/4		3/4		3/4	
5	3,452.33	5	3,782.94	5	4,113.55	5	4,440.85	5	4,752.54	5	5,046.84	5		5		5		5	
1/4	3,459.22	1/4	3,789.83	1/4	4,120.44	1/4	4,447.51	1/4	4,758.83	1/4	5,052.74	1/4		1/4		1/4		1/4	
1/2	3,466.11	1/2	3,796.72	1/2	4,127.33	1/2	4,454.17	1/2	4,765.12	1/2	5,058.65	1/2		1/2		1/2		1/2	
3/4	3,473.00	3/4	3,803.61	3/4	4,134.22	3/4	4,460.83	3/4	4,771.41	3/4	5,064.56	3/4		3/4		3/4		3/4	
6	3,479.88	6	3,810.49	6	4,141.10	6	4,467.49	6	4,777.70	6	5,070.46	6		6		6		6	
1/4	3,486.77	1/4	3,817.38	1/4	4,147.99	1/4	4,474.13	1/4	4,783.97	1/4	5,076.34	1/4		1/4		1/4		1/4	
1/2	3,493.66	1/2	3,824.27	1/2	4,154.88	1/2	4,480.76	1/2	4,790.23	1/2	5,082.22	1/2		1/2		1/2		1/2	
3/4	3,500.55	3/4	3,831.16	3/4	4,161.77	3/4	4,487.39	3/4	4,796.49	3/4	5,088.10	3/4		3/4		3/4		3/4	
7	3,507.44	7	3,838.05	7	4,168.65	7	4,494.03	7	4,802.76	7	5,093.98	7		7		7		7	
1/4	3,514.32	1/4	3,844.93	1/4	4,175.54	1/4	4,500.63	1/4	4,808.99	1/4	5,099.32	1/4		1/4		1/4		1/4	
1/2	3,521.21	1/2	3,851.82	1/2	4,182.43	1/2	4,507.24	1/2	4,815.23	1/2	5,104.65	1/2		1/2		1/2		1/2	
3/4	3,528.10	3/4	3,858.71	3/4	4,189.32	3/4	4,513.84	3/4	4,821.46	3/4	5,109.99	3/4		3/4		3/4		3/4	
8	3,534.99	8	3,865.60	8	4,196.21	8	4,520.45	8	4,827.70	8	5,115.33	8		8		8		8	
1/4	3,541.87	1/4	3,872.48	1/4	4,203.09	1/4	4,527.02	1/4	4,833.91	1/4	5,120.19	1/4		1/4		1/4		1/4	
1/2	3,548.76	1/2	3,879.37	1/2	4,209.98	1/2	4,533.60	1/2	4,840.11	1/2	5,125.05	1/2		1/2		1/2		1/2	
3/4	3,555.65	3/4	3,886.26	3/4	4,216.87	3/4	4,540.18	3/4	4,846.32	3/4		3/4		3/4		3/4		3/4	
9	3,562.54	9	3,893.15	9	4,223.76	9	4,546.76	9	4,852.53	9		9		9		9		9	
1/4	3,569.42	1/4	3,900.03	1/4	4,230.64	1/4	4,553.31	1/4	4,858.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,576.31	1/2	3,906.92	1/2	4,237.51	1/2	4,559.86	1/2	4,864.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,583.20	3/4	3,913.81	3/4	4,244.39	3/4	4,566.41	3/4	4,871.07	3/4		3/4		3/4		3/4		3/4	
10	3,590.09	10	3,920.70	10	4,251.27	10	4,572.96	10	4,877.25	10		10		10		10		10	
1/4	3,596.98	1/4	3,927.59	1/4	4,258.13	1/4	4,579.48	1/4	4,883.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.86	1/2	3,934.47	1/2	4,264.98	1/2	4,586.01	1/2	4,889.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,610.75	3/4	3,941.36	3/4	4,271.83	3/4	4,592.53	3/4	4,895.71	3/4		3/4		3/4		3/4		3/4	
11	3,617.64	11	3,948.25	11	4,278.69	11	4,599.05	11	4,901.86	11		11		11		11		11	
1/4	3,624.53	1/4	3,955.14	1/4	4,285.51	1/4	4,605.55	1/4	4,907.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,631.41	1/2	3,962.02	1/2	4,292.34	1/2	4,612.04	1/2	4,914.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,638.30	3/4	3,968.91	3/4	4,299.16	3/4	4,618.54	3/4	4,920.24	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/14/2013 SW
CALCULATED: 03/17/2013 CL
PRINTED: 03/17/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "CTCO 250"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/8"

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	325.97	0	629.34	0	917.82	0	1,245.38	0	1,576.22	0	1,907.05	0	2,237.89	0	2,568.68	0	2,899.29
1/4	25.79	1/4	332.43	1/4	635.48	1/4	924.35	1/4	1,252.27	1/4	1,583.11	1/4	1,913.94	1/4	2,244.78	1/4	2,575.57	1/4	2,906.18
1/2	30.18	1/2	338.90	1/2	641.62	1/2	930.87	1/2	1,259.16	1/2	1,590.00	1/2	1,920.83	1/2	2,251.67	1/2	2,582.46	1/2	2,913.07
3/4	34.57	3/4	345.37	3/4	647.76	3/4	937.40	3/4	1,266.06	3/4	1,596.89	3/4	1,927.73	3/4	2,258.56	3/4	2,589.35	3/4	2,919.95
1	38.96	1	351.84	1	653.91	1	943.92	1	1,272.95	1	1,603.78	1	1,934.62	1	2,265.46	1	2,595.23	1	2,926.84
1/4	44.70	1/4	358.28	1/4	660.02	1/4	950.45	1/4	1,279.84	1/4	1,610.68	1/4	1,941.51	1/4	2,272.35	1/4	2,603.12	1/4	2,933.73
1/2	50.43	1/2	364.73	1/2	666.14	1/2	956.98	1/2	1,286.73	1/2	1,617.57	1/2	1,948.40	1/2	2,279.24	1/2	2,610.01	1/2	2,940.62
3/4	56.17	3/4	371.17	3/4	672.25	3/4	963.51	3/4	1,293.63	3/4	1,624.46	3/4	1,955.30	3/4	2,286.13	3/4	2,616.90	3/4	2,947.51
2	61.91	2	377.62	2	678.36	2	970.04	2	1,300.52	2	1,631.35	2	1,962.19	2	2,293.02	2	2,623.78	2	2,954.39
1/4	68.46	1/4	384.03	1/4	684.18	1/4	976.85	1/4	1,307.41	1/4	1,638.25	1/4	1,969.08	1/4	2,299.92	1/4	2,630.67	1/4	2,961.28
1/2	75.01	1/2	390.45	1/2	690.00	1/2	983.65	1/2	1,314.30	1/2	1,645.14	1/2	1,975.97	1/2	2,306.81	1/2	2,637.56	1/2	2,968.17
3/4	81.56	3/4	396.87	3/4	695.81	3/4	990.45	3/4	1,321.20	3/4	1,652.03	3/4	1,982.87	3/4	2,313.70	3/4	2,644.45	3/4	2,975.06
3	88.11	3	403.28	3	701.63	3	997.25	3	1,328.09	3	1,658.92	3	1,989.76	3	2,320.59	3	2,651.33	3	2,981.94
1/4	94.81	1/4	409.67	1/4	707.32	1/4	1,004.15	1/4	1,334.98	1/4	1,665.82	1/4	1,996.65	1/4	2,327.49	1/4	2,658.22	1/4	2,988.83
1/2	101.51	1/2	416.06	1/2	713.01	1/2	1,011.04	1/2	1,341.87	1/2	1,672.71	1/2	2,003.54	1/2	2,334.38	1/2	2,665.11	1/2	2,995.72
3/4	108.21	3/4	422.45	3/4	718.71	3/4	1,017.93	3/4	1,348.77	3/4	1,679.60	3/4	2,010.44	3/4	2,341.27	3/4	2,672.00	3/4	3,002.61
4	114.92	4	428.84	4	724.40	4	1,024.82	4	1,355.66	4	1,686.49	4	2,017.33	4	2,348.16	4	2,678.89	4	3,009.50
1/4	121.61	1/4	435.20	1/4	730.07	1/4	1,031.72	1/4	1,362.55	1/4	1,693.39	1/4	2,024.22	1/4	2,355.06	1/4	2,685.77	1/4	3,016.38
1/2	128.30	1/2	441.57	1/2	735.73	1/2	1,038.61	1/2	1,369.44	1/2	1,700.28	1/2	2,031.11	1/2	2,361.95	1/2	2,692.66	1/2	3,023.27
3/4	134.98	3/4	447.93	3/4	741.39	3/4	1,045.50	3/4	1,376.34	3/4	1,707.17	3/4	2,038.01	3/4	2,368.84	3/4	2,699.55	3/4	3,030.16
5	141.67	5	454.29	5	747.06	5	1,052.39	5	1,383.23	5	1,714.06	5	2,044.90	5	2,375.73	5	2,706.44	5	3,037.05
1/4	148.34	1/4	460.62	1/4	752.70	1/4	1,059.29	1/4	1,390.12	1/4	1,720.96	1/4	2,051.79	1/4	2,382.63	1/4	2,713.32	1/4	3,043.93
1/2	155.00	1/2	466.96	1/2	758.33	1/2	1,066.18	1/2	1,397.01	1/2	1,727.85	1/2	2,058.68	1/2	2,389.52	1/2	2,720.21	1/2	3,050.82
3/4	161.67	3/4	473.29	3/4	763.97	3/4	1,073.07	3/4	1,403.91	3/4	1,734.74	3/4	2,065.58	3/4	2,396.41	3/4	2,727.10	3/4	3,057.71
6	168.33	6	479.63	6	769.61	6	1,079.96	6	1,410.80	6	1,741.63	6	2,072.47	6	2,403.30	6	2,733.99	6	3,064.60
1/4	174.97	1/4	485.93	1/4	775.22	1/4	1,086.85	1/4	1,417.69	1/4	1,748.52	1/4	2,079.36	1/4	2,410.20	1/4	2,740.87	1/4	3,071.48
1/2	181.61	1/2	492.24	1/2	780.83	1/2	1,093.75	1/2	1,424.58	1/2	1,755.42	1/2	2,086.25	1/2	2,417.09	1/2	2,747.76	1/2	3,078.37
3/4	188.24	3/4	498.55	3/4	786.44	3/4	1,100.64	3/4	1,431.47	3/4	1,762.31	3/4	2,093.14	3/4	2,423.98	3/4	2,754.65	3/4	3,085.26
7	194.88	7	504.85	7	792.05	7	1,107.53	7	1,438.37	7	1,769.20	7	2,100.04	7	2,430.87	7	2,761.54	7	3,092.15
1/4	201.49	1/4	511.13	1/4	797.63	1/4	1,114.42	1/4	1,445.26	1/4	1,776.09	1/4	2,106.93	1/4	2,437.77	1/4	2,768.43	1/4	3,099.04
1/2	208.10	1/2	517.41	1/2	803.21	1/2	1,121.32	1/2	1,452.15	1/2	1,782.99	1/2	2,113.82	1/2	2,444.66	1/2	2,775.31	1/2	3,105.92
3/4	214.71	3/4	523.69	3/4	808.79	3/4	1,128.21	3/4	1,459.04	3/4	1,789.88	3/4	2,120.71	3/4	2,451.55	3/4	2,782.20	3/4	3,112.81
8	221.32	8	529.97	8	814.37	8	1,135.10	8	1,465.94	8	1,796.77	8	2,127.61	8	2,458.44	8	2,789.09	8	3,119.70
1/4	227.90	1/4	536.22	1/4	820.66	1/4	1,141.99	1/4	1,472.83	1/4	1,803.66	1/4	2,134.50	1/4	2,465.33	1/4	2,795.98	1/4	3,126.59
1/2	234.48	1/2	542.48	1/2	826.95	1/2	1,148.89	1/2	1,479.72	1/2	1,810.56	1/2	2,141.39	1/2	2,472.23	1/2	2,802.86	1/2	3,133.47
3/4	241.07	3/4	548.73	3/4	833.24	3/4	1,155.78	3/4	1,486.61	3/4	1,817.45	3/4	2,148.28	3/4	2,479.12	3/4	2,809.75	3/4	3,140.36
9	247.65	9	554.98	9	839.52	9	1,162.67	9	1,493.51	9	1,824.34	9	2,155.18	9	2,486.01	9	2,816.64	9	3,147.25
1/4	254.20	1/4	561.20	1/4	846.05	1/4	1,169.56	1/4	1,500.40	1/4	1,831.23	1/4	2,162.07	1/4	2,492.90	1/4	2,823.53	1/4	3,154.14
1/2	260.76	1/2	567.43	1/2	852.57	1/2	1,176.46	1/2	1,507.29	1/2	1,838.13	1/2	2,168.96	1/2	2,499.80	1/2	2,830.41	1/2	3,161.02
3/4	267.31	3/4	573.65	3/4	859.10	3/4	1,183.35	3/4	1,514.18	3/4	1,845.02	3/4	2,175.85	3/4	2,506.69	3/4	2,837.30	3/4	3,167.91
10	273.87	10	579.88	10	865.62	10	1,190.24	10	1,521.08	10	1,851.91	10	2,182.75	10	2,513.58	10	2,844.19	10	3,174.80
1/4	280.40	1/4	586.07	1/4	872.15	1/4	1,197.13	1/4	1,527.97	1/4	1,858.80	1/4	2,189.64	1/4	2,520.47	1/4	2,851.08	1/4	3,181.69
1/2	286.92	1/2	592.27	1/2	878.67	1/2	1,204.03	1/2	1,534.86	1/2	1,865.70	1/2	2,196.53	1/2	2,527.36	1/2	2,857.97	1/2	3,188.58
3/4	293.45	3/4	598.47	3/4	885.20	3/4	1,210.92	3/4	1,541.75	3/4	1,872.59	3/4	2,203.42	3/4	2,534.24	3/4	2,864.85	3/4	3,195.46
11	299.98	11	604.66	11	891.72	11	1,217.81	11	1,548.65	11	1,879.48	11	2,210.32	11	2,541.13	11	2,871.74	11	3,202.35
1/4	306.47	1/4	610.83	1/4	898.25	1/4	1,224.70	1/4	1,555.54	1/4	1,886.37	1/4	2,217.21	1/4	2,548.02	1/4	2,878.63	1/4	3,209.24
1/2	312.97	1/2	617.00	1/2	904.77	1/2	1,231.60	1/2	1,562.43	1/2	1,893.27	1/2	2,224.10	1/2	2,554.91	1/2	2,885.52	1/2	3,216.13
3/4	319.47	3/4	623.17	3/4	911.30	3/4	1,238.49	3/4	1,569.32	3/4	1,900.16	3/4	2,230.99	3/4	2,561.79	3/4	2,892.40	3/4	3,223.01

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 250"

**2 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/8"

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	3,229.90	0	3,560.51	0	3,891.12	0	4,221.73	0	4,552.34	0	4,881.11	0		0		0		0	
1/4	3,236.79	1/4	3,567.40	1/4	3,898.01	1/4	4,228.62	1/4	4,559.20	1/4	4,887.96	1/4		1/4		1/4		1/4	
1/2	3,243.68	1/2	3,574.29	1/2	3,904.90	1/2	4,235.51	1/2	4,566.06	1/2	4,894.81	1/2		1/2		1/2		1/2	
3/4	3,250.56	3/4	3,581.17	3/4	3,911.78	3/4	4,242.39	3/4	4,572.92	3/4	4,901.65	3/4		3/4		3/4		3/4	
1	3,257.45	1	3,588.06	1	3,918.67	1	4,249.28	1	4,579.78	1	4,908.50	1		1		1		1	
1/4	3,264.34	1/4	3,594.95	1/4	3,925.56	1/4	4,256.17	1/4	4,586.63	1/4	4,915.35	1/4		1/4		1/4		1/4	
1/2	3,271.23	1/2	3,601.84	1/2	3,932.45	1/2	4,263.06	1/2	4,593.48	1/2	4,922.20	1/2		1/2		1/2		1/2	
3/4	3,278.12	3/4	3,608.72	3/4	3,939.33	3/4	4,269.94	3/4	4,600.33	3/4	4,929.05	3/4		3/4		3/4		3/4	
2	3,285.00	2	3,615.61	2	3,946.22	2	4,276.83	2	4,607.17	2	4,935.90	2		2		2		2	
1/4	3,291.89	1/4	3,622.50	1/4	3,953.11	1/4	4,283.72	1/4	4,614.02	1/4	4,942.75	1/4		1/4		1/4		1/4	
1/2	3,298.78	1/2	3,629.39	1/2	3,960.00	1/2	4,290.61	1/2	4,620.87	1/2	4,949.59	1/2		1/2		1/2		1/2	
3/4	3,305.67	3/4	3,636.28	3/4	3,966.89	3/4	4,297.49	3/4	4,627.72	3/4	4,956.44	3/4		3/4		3/4		3/4	
3	3,312.55	3	3,643.16	3	3,973.77	3	4,304.38	3	4,634.57	3	4,963.29	3		3		3		3	
1/4	3,319.44	1/4	3,650.05	1/4	3,980.66	1/4	4,311.27	1/4	4,641.42	1/4	4,970.10	1/4		1/4		1/4		1/4	
1/2	3,326.33	1/2	3,656.94	1/2	3,987.55	1/2	4,318.16	1/2	4,648.26	1/2	4,976.90	1/2		1/2		1/2		1/2	
3/4	3,333.22	3/4	3,663.83	3/4	3,994.44	3/4	4,325.05	3/4	4,655.11	3/4	4,983.71	3/4		3/4		3/4		3/4	
4	3,340.10	4	3,670.71	4	4,001.32	4	4,331.93	4	4,661.96	4	4,990.52	4		4		4		4	
1/4	3,346.99	1/4	3,677.60	1/4	4,008.21	1/4	4,338.82	1/4	4,668.81	1/4	4,997.31	1/4		1/4		1/4		1/4	
1/2	3,353.88	1/2	3,684.49	1/2	4,015.10	1/2	4,345.71	1/2	4,675.66	1/2	5,004.10	1/2		1/2		1/2		1/2	
3/4	3,360.77	3/4	3,691.38	3/4	4,021.99	3/4	4,352.60	3/4	4,682.51	3/4	5,010.90	3/4		3/4		3/4		3/4	
5	3,367.66	5	3,698.27	5	4,028.87	5	4,359.48	5	4,689.35	5	5,017.69	5		5		5		5	
1/4	3,374.54	1/4	3,705.15	1/4	4,035.76	1/4	4,366.37	1/4	4,696.20	1/4	5,024.48	1/4		1/4		1/4		1/4	
1/2	3,381.43	1/2	3,712.04	1/2	4,042.65	1/2	4,373.26	1/2	4,703.05	1/2	5,031.28	1/2		1/2		1/2		1/2	
3/4	3,388.32	3/4	3,718.93	3/4	4,049.54	3/4	4,380.15	3/4	4,709.90	3/4	5,038.07	3/4		3/4		3/4		3/4	
6	3,395.21	6	3,725.82	6	4,056.43	6	4,387.04	6	4,716.75	6	5,044.87	6		6		6		6	
1/4	3,402.09	1/4	3,732.70	1/4	4,063.31	1/4	4,393.92	1/4	4,723.60	1/4	5,051.66	1/4		1/4		1/4		1/4	
1/2	3,408.98	1/2	3,739.59	1/2	4,070.20	1/2	4,400.81	1/2	4,730.44	1/2	5,058.46	1/2		1/2		1/2		1/2	
3/4	3,415.87	3/4	3,746.48	3/4	4,077.09	3/4	4,407.70	3/4	4,737.29	3/4	5,065.25	3/4		3/4		3/4		3/4	
7	3,422.76	7	3,753.37	7	4,083.98	7	4,414.59	7	4,744.14	7	5,072.05	7		7		7		7	
1/4	3,429.64	1/4	3,760.25	1/4	4,090.86	1/4	4,421.47	1/4	4,750.99	1/4	5,078.33	1/4		1/4		1/4		1/4	
1/2	3,436.53	1/2	3,767.14	1/2	4,097.75	1/2	4,428.36	1/2	4,757.84	1/2	5,084.61	1/2		1/2		1/2		1/2	
3/4	3,443.42	3/4	3,774.03	3/4	4,104.64	3/4	4,435.25	3/4	4,764.69	3/4	5,090.89	3/4		3/4		3/4		3/4	
8	3,450.31	8	3,780.92	8	4,111.53	8	4,442.14	8	4,771.54	8	5,097.16	8		8		8		8	
1/4	3,457.20	1/4	3,787.81	1/4	4,118.41	1/4	4,449.02	1/4	4,778.38	1/4	5,102.27	1/4		1/4		1/4		1/4	
1/2	3,464.08	1/2	3,794.69	1/2	4,125.30	1/2	4,455.91	1/2	4,785.23	1/2	5,107.37	1/2		1/2		1/2		1/2	
3/4	3,470.97	3/4	3,801.58	3/4	4,132.19	3/4	4,462.80	3/4	4,792.08	3/4		3/4		3/4		3/4		3/4	
9	3,477.86	9	3,808.47	9	4,139.08	9	4,469.69	9	4,798.93	9		9		9		9		9	
1/4	3,484.75	1/4	3,815.36	1/4	4,145.97	1/4	4,476.58	1/4	4,805.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,491.63	1/2	3,822.24	1/2	4,152.85	1/2	4,483.46	1/2	4,812.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,498.52	3/4	3,829.13	3/4	4,159.74	3/4	4,490.35	3/4	4,819.47	3/4		3/4		3/4		3/4		3/4	
10	3,505.41	10	3,836.02	10	4,166.63	10	4,497.24	10	4,826.32	10		10		10		10		10	
1/4	3,512.30	1/4	3,842.91	1/4	4,173.52	1/4	4,504.13	1/4	4,833.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,519.18	1/2	3,849.79	1/2	4,180.40	1/2	4,511.01	1/2	4,840.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,526.07	3/4	3,856.68	3/4	4,187.29	3/4	4,517.90	3/4	4,846.87	3/4		3/4		3/4		3/4		3/4	
11	3,532.96	11	3,863.57	11	4,194.18	11	4,524.79	11	4,853.72	11		11		11		11		11	
1/4	3,539.85	1/4	3,870.46	1/4	4,201.07	1/4	4,531.68	1/4	4,860.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,546.74	1/2	3,877.35	1/2	4,207.95	1/2	4,538.56	1/2	4,867.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,553.62	3/4	3,884.23	3/4	4,214.84	3/4	4,545.45	3/4	4,874.26	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/14/2013 SW
CALCULATED: 03/17/2013 CL
PRINTED: 03/17/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTCO 250"

3 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	21.74	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 250"

3 PORT INNAGE 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.	
0	3,301.21	0	3,615.65	0	3,843.03	0	4,070.12	0	4,289.54	0	4,496.20	0		0		0		0	
1/4	3,308.07	1/4	3,620.38	1/4	3,847.76	1/4	4,074.79	1/4	4,293.96	1/4	4,500.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,314.93	1/2	3,625.12	1/2	3,852.50	1/2	4,079.47	1/2	4,298.38	1/2	4,504.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,321.79	3/4	3,629.86	3/4	3,857.24	3/4	4,084.14	3/4	4,302.79	3/4	4,508.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,328.65	1	3,634.59	1	3,861.97	1	4,088.82	1	4,307.21	1	4,512.92	1	1	1	1	1	1	1	1
1/4	3,335.51	1/4	3,639.33	1/4	3,866.71	1/4	4,093.47	1/4	4,311.60	1/4	4,517.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,342.37	1/2	3,644.07	1/2	3,871.45	1/2	4,098.13	1/2	4,315.99	1/2	4,521.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,349.23	3/4	3,648.81	3/4	3,876.19	3/4	4,102.79	3/4	4,320.38	3/4	4,525.41	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,356.09	2	3,653.54	2	3,880.92	2	4,107.44	2	4,324.77	2	4,529.57	2	2	2	2	2	2	2	2
1/4	3,362.95	1/4	3,658.28	1/4	3,885.66	1/4	4,112.08	1/4	4,329.14	1/4	4,533.72	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,369.81	1/2	3,663.02	1/2	3,890.40	1/2	4,116.72	1/2	4,333.51	1/2	4,537.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,376.67	3/4	3,667.75	3/4	3,895.13	3/4	4,121.36	3/4	4,337.89	3/4	4,542.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,383.53	3	3,672.49	3	3,899.87	3	4,125.99	3	4,342.26	3	4,546.15	3	3	3	3	3	3	3	3
1/4	3,390.39	1/4	3,677.23	1/4	3,904.61	1/4	4,130.61	1/4	4,346.61	1/4	4,550.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,397.25	1/2	3,681.97	1/2	3,909.35	1/2	4,135.23	1/2	4,350.96	1/2	4,554.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,404.12	3/4	3,686.70	3/4	3,914.08	3/4	4,139.85	3/4	4,355.31	3/4	4,558.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,410.98	4	3,691.44	4	3,918.82	4	4,144.47	4	4,359.66	4	4,562.48	4	4	4	4	4	4	4	4
1/4	3,417.84	1/4	3,696.18	1/4	3,923.56	1/4	4,149.07	1/4	4,364.00	1/4	4,566.53	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,424.70	1/2	3,700.91	1/2	3,928.29	1/2	4,153.67	1/2	4,368.33	1/2	4,570.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,431.56	3/4	3,705.65	3/4	3,933.03	3/4	4,158.27	3/4	4,372.66	3/4	4,574.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,438.42	5	3,710.39	5	3,937.77	5	4,162.87	5	4,377.00	5	4,578.68	5	5	5	5	5	5	5	5
1/4	3,445.28	1/4	3,715.12	1/4	3,942.51	1/4	4,167.45	1/4	4,381.31	1/4	4,582.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,452.14	1/2	3,719.86	1/2	3,947.24	1/2	4,172.03	1/2	4,385.62	1/2	4,586.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,459.00	3/4	3,724.60	3/4	3,951.98	3/4	4,176.61	3/4	4,389.94	3/4	4,590.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,465.86	6	3,729.34	6	3,956.72	6	4,181.19	6	4,394.25	6	4,594.81	6	6	6	6	6	6	6	6
1/4	3,472.72	1/4	3,734.07	1/4	3,961.45	1/4	4,185.75	1/4	4,398.55	1/4	4,598.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,479.58	1/2	3,738.81	1/2	3,966.19	1/2	4,190.32	1/2	4,402.84	1/2	4,602.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,486.44	3/4	3,743.55	3/4	3,970.93	3/4	4,194.88	3/4	4,407.14	3/4	4,606.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,493.30	7	3,748.28	7	3,975.67	7	4,199.44	7	4,411.43	7	4,610.87	7	7	7	7	7	7	7	7
1/4	3,500.16	1/4	3,753.02	1/4	3,980.40	1/4	4,203.98	1/4	4,415.71	1/4	4,614.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,507.02	1/2	3,757.76	1/2	3,985.14	1/2	4,208.52	1/2	4,419.98	1/2	4,617.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,513.88	3/4	3,762.50	3/4	3,989.88	3/4	4,213.07	3/4	4,424.26	3/4	4,621.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,520.74	8	3,767.23	8	3,994.61	8	4,217.61	8	4,428.54	8	4,624.78	8	8	8	8	8	8	8	8
1/4	3,527.60	1/4	3,771.97	1/4	3,999.35	1/4	4,222.13	1/4	4,432.79	1/4	4,627.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,534.46	1/2	3,776.71	1/2	4,004.09	1/2	4,226.66	1/2	4,437.05	1/2	4,630.37	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,541.32	3/4	3,781.44	3/4	4,008.82	3/4	4,231.18	3/4	4,441.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,548.18	9	3,786.18	9	4,013.56	9	4,235.71	9	4,445.57	9		9	9	9	9	9	9	9	9
1/4	3,555.04	1/4	3,790.92	1/4	4,018.29	1/4	4,240.21	1/4	4,449.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,561.90	1/2	3,795.66	1/2	4,023.02	1/2	4,244.72	1/2	4,454.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,568.76	3/4	3,800.39	3/4	4,027.75	3/4	4,249.22	3/4	4,458.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,575.63	10	3,805.13	10	4,032.48	10	4,253.73	10	4,462.52	10	10	10	10	10	10	10	10	10	10
1/4	3,580.89	1/4	3,809.87	1/4	4,037.20	1/4	4,258.21	1/4	4,466.74	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,586.16	1/2	3,814.60	1/2	4,041.91	1/2	4,262.70	1/2	4,470.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,591.43	3/4	3,819.34	3/4	4,046.62	3/4	4,267.18	3/4	4,475.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,596.70	11	3,824.08	11	4,051.34	11	4,271.67	11	4,479.40	11	11	11	11	11	11	11	11	11	11
1/4	3,601.43	1/4	3,828.82	1/4	4,056.03	1/4	4,276.14	1/4	4,483.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,606.17	1/2	3,833.55	1/2	4,060.73	1/2	4,280.60	1/2	4,487.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,610.91	3/4	3,838.29	3/4	4,065.42	3/4	4,285.07	3/4	4,492.00	3/4	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: 03/14/2013 SW
CALCULATED: 03/17/2013 CL
PRINTED: 03/17/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "CTCO 250"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	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 250"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,276.81	0	3,590.79	0	3,818.17	0	4,045.26	0	4,264.68	0	4,471.34	0		0		0		0	
1/4	3,283.65	1/4	3,595.53	1/4	3,822.91	1/4	4,049.93	1/4	4,269.10	1/4	4,475.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,290.50	1/2	3,600.26	1/2	3,827.64	1/2	4,054.61	1/2	4,273.52	1/2	4,479.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,297.34	3/4	3,605.00	3/4	3,832.38	3/4	4,059.28	3/4	4,277.94	3/4	4,483.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,304.18	1	3,609.74	1	3,837.12	1	4,063.96	1	4,282.36	1	4,488.06	1	1	1	1	1	1	1	1
1/4	3,311.03	1/4	3,614.47	1/4	3,841.85	1/4	4,068.62	1/4	4,286.75	1/4	4,492.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,317.87	1/2	3,619.21	1/2	3,846.59	1/2	4,073.27	1/2	4,291.14	1/2	4,496.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,324.72	3/4	3,623.95	3/4	3,851.33	3/4	4,077.93	3/4	4,295.53	3/4	4,500.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,331.56	2	3,628.68	2	3,856.07	2	4,082.59	2	4,299.92	2	4,504.71	2	2	2	2	2	2	2	2
1/4	3,338.41	1/4	3,633.42	1/4	3,860.80	1/4	4,087.22	1/4	4,304.29	1/4	4,508.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,345.25	1/2	3,638.16	1/2	3,865.54	1/2	4,091.86	1/2	4,308.66	1/2	4,513.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,352.10	3/4	3,642.90	3/4	3,870.28	3/4	4,096.50	3/4	4,313.03	3/4	4,517.14	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,358.94	3	3,647.63	3	3,875.01	3	4,101.14	3	4,317.40	3	4,521.29	3	3	3	3	3	3	3	3
1/4	3,365.79	1/4	3,652.37	1/4	3,879.75	1/4	4,105.76	1/4	4,321.75	1/4	4,525.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,372.63	1/2	3,657.11	1/2	3,884.49	1/2	4,110.38	1/2	4,326.10	1/2	4,529.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,379.48	3/4	3,661.84	3/4	3,889.23	3/4	4,114.99	3/4	4,330.45	3/4	4,533.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,386.32	4	3,666.58	4	3,893.96	4	4,119.61	4	4,334.81	4	4,537.62	4	4	4	4	4	4	4	4
1/4	3,393.17	1/4	3,671.32	1/4	3,898.70	1/4	4,124.21	1/4	4,339.14	1/4	4,541.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,400.01	1/2	3,676.06	1/2	3,903.44	1/2	4,128.81	1/2	4,343.47	1/2	4,545.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,406.86	3/4	3,680.79	3/4	3,908.17	3/4	4,133.41	3/4	4,347.81	3/4	4,549.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,413.70	5	3,685.53	5	3,912.91	5	4,138.01	5	4,352.14	5	4,553.82	5	5	5	5	5	5	5	5
1/4	3,420.55	1/4	3,690.27	1/4	3,917.65	1/4	4,142.59	1/4	4,356.45	1/4	4,557.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,427.39	1/2	3,695.00	1/2	3,922.39	1/2	4,147.17	1/2	4,360.77	1/2	4,561.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,434.24	3/4	3,699.74	3/4	3,927.12	3/4	4,151.75	3/4	4,365.08	3/4	4,565.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,441.08	6	3,704.48	6	3,931.86	6	4,156.33	6	4,369.39	6	4,569.95	6	6	6	6	6	6	6	6
1/4	3,447.93	1/4	3,709.22	1/4	3,936.60	1/4	4,160.90	1/4	4,373.69	1/4	4,573.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,454.77	1/2	3,713.95	1/2	3,941.33	1/2	4,165.46	1/2	4,377.98	1/2	4,577.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,461.62	3/4	3,718.69	3/4	3,946.07	3/4	4,170.02	3/4	4,382.28	3/4	4,581.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,468.46	7	3,723.43	7	3,950.81	7	4,174.58	7	4,386.57	7	4,586.01	7	7	7	7	7	7	7	7
1/4	3,475.32	1/4	3,728.16	1/4	3,955.54	1/4	4,179.12	1/4	4,390.85	1/4	4,589.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,482.17	1/2	3,732.90	1/2	3,960.28	1/2	4,183.67	1/2	4,395.13	1/2	4,592.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,489.03	3/4	3,737.64	3/4	3,965.02	3/4	4,188.21	3/4	4,399.40	3/4	4,596.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,495.88	8	3,742.38	8	3,969.76	8	4,192.75	8	4,403.68	8	4,599.93	8	8	8	8	8	8	8	8
1/4	3,502.75	1/4	3,747.11	1/4	3,974.49	1/4	4,197.28	1/4	4,407.94	1/4	4,602.72	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,509.61	1/2	3,751.85	1/2	3,979.23	1/2	4,201.80	1/2	4,412.19	1/2	4,605.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,516.47	3/4	3,756.59	3/4	3,983.97	3/4	4,206.32	3/4	4,416.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,523.33	9	3,761.32	9	3,988.70	9	4,210.85	9	4,420.71	9		9	9	9	9	9	9	9	9
1/4	3,530.19	1/4	3,766.06	1/4	3,993.44	1/4	4,215.35	1/4	4,424.95	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	3,770.80	1/2	3,998.17	1/2	4,219.86	1/2	4,429.18	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	3,775.53	3/4	4,002.90	3/4	4,224.36	3/4	4,433.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,550.77	10	3,780.27	10	4,007.63	10	4,228.87	10	4,437.66	10		10	10	10	10	10	10	10	10
1/4	3,556.04	1/4	3,785.01	1/4	4,012.34	1/4	4,233.35	1/4	4,441.88	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,561.30	1/2	3,789.75	1/2	4,017.05	1/2	4,237.84	1/2	4,446.10	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,566.57	3/4	3,794.48	3/4	4,021.77	3/4	4,242.33	3/4	4,450.32	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,571.84	11	3,799.22	11	4,026.48	11	4,246.81	11	4,454.54	11		11	11	11	11	11	11	11	11
1/4	3,576.58	1/4	3,803.96	1/4	4,031.17	1/4	4,251.28	1/4	4,458.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,581.31	1/2	3,808.69	1/2	4,035.87	1/2	4,255.75	1/2	4,462.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,586.05	3/4	3,813.43	3/4	4,040.56	3/4	4,260.21	3/4	4,467.14	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: 03/14/2013 SW
CALCULATED: 03/17/2013 CL
PRINTED: 03/17/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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