



BARGE "CTCO 253"

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	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-1/2	- 00-1/2
3 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-1/2	- 00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 252'-09"

June 3, 2013

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCO 253"

1 PORT 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	21.91	0	339.34	0	671.50	0	1,003.26	0	1,335.39	0	1,667.58	0	1,999.77	0	2,331.95	0	2,664.10	0	2,996.07
1/4	26.41	1/4	346.26	1/4	678.42	1/4	1,010.17	1/4	1,342.31	1/4	1,674.50	1/4	2,006.69	1/4	2,338.87	1/4	2,671.02	1/4	3,002.99
1/2	30.91	1/2	353.17	1/2	685.34	1/2	1,017.08	1/2	1,349.23	1/2	1,681.42	1/2	2,013.61	1/2	2,345.80	1/2	2,677.94	1/2	3,009.90
3/4	35.40	3/4	360.09	3/4	692.26	3/4	1,023.99	3/4	1,356.15	3/4	1,688.34	3/4	2,020.53	3/4	2,352.72	3/4	2,684.85	3/4	3,016.82
1	39.90	1	367.01	1	699.18	1	1,030.89	1	1,363.07	1	1,695.26	1	2,027.45	1	2,359.64	1	2,691.77	1	3,023.74
1/4	45.78	1/4	373.93	1/4	706.10	1/4	1,037.81	1/4	1,369.99	1/4	1,702.18	1/4	2,034.37	1/4	2,366.56	1/4	2,698.68	1/4	3,030.65
1/2	51.66	1/2	380.84	1/2	713.02	1/2	1,044.73	1/2	1,376.91	1/2	1,709.10	1/2	2,041.29	1/2	2,373.48	1/2	2,705.60	1/2	3,037.57
3/4	57.54	3/4	387.76	3/4	719.94	3/4	1,051.65	3/4	1,383.83	3/4	1,716.02	3/4	2,048.21	3/4	2,380.40	3/4	2,712.52	3/4	3,044.48
2	63.42	2	394.68	2	726.86	2	1,058.56	2	1,390.75	2	1,722.94	2	2,055.13	2	2,387.32	2	2,719.43	2	3,051.40
1/4	70.14	1/4	401.60	1/4	733.78	1/4	1,065.48	1/4	1,397.67	1/4	1,729.86	1/4	2,062.05	1/4	2,394.24	1/4	2,726.35	1/4	3,058.32
1/2	76.86	1/2	408.52	1/2	740.70	1/2	1,072.41	1/2	1,404.59	1/2	1,736.78	1/2	2,068.97	1/2	2,401.16	1/2	2,733.26	1/2	3,065.23
3/4	83.58	3/4	415.44	3/4	747.62	3/4	1,079.33	3/4	1,411.51	3/4	1,743.70	3/4	2,075.89	3/4	2,408.08	3/4	2,740.18	3/4	3,072.15
3	90.30	3	422.36	3	754.54	3	1,086.25	3	1,418.44	3	1,750.62	3	2,082.81	3	2,415.00	3	2,747.10	3	3,079.06
1/4	97.21	1/4	429.28	1/4	761.45	1/4	1,093.17	1/4	1,425.36	1/4	1,757.54	1/4	2,089.73	1/4	2,421.92	1/4	2,754.01	1/4	3,085.98
1/2	104.11	1/2	436.21	1/2	768.36	1/2	1,100.09	1/2	1,432.28	1/2	1,764.46	1/2	2,096.65	1/2	2,428.84	1/2	2,760.93	1/2	3,092.90
3/4	111.01	3/4	443.13	3/4	775.27	3/4	1,107.01	3/4	1,439.20	3/4	1,771.39	3/4	2,103.57	3/4	2,435.76	3/4	2,767.84	3/4	3,099.81
4	117.92	4	450.05	4	782.18	4	1,113.93	4	1,446.12	4	1,778.31	4	2,110.49	4	2,442.68	4	2,774.76	4	3,106.73
1/4	124.83	1/4	456.97	1/4	789.09	1/4	1,120.85	1/4	1,453.04	1/4	1,785.23	1/4	2,117.42	1/4	2,449.60	1/4	2,781.68	1/4	3,113.64
1/2	131.75	1/2	463.89	1/2	796.00	1/2	1,127.77	1/2	1,459.96	1/2	1,792.15	1/2	2,124.34	1/2	2,456.52	1/2	2,788.59	1/2	3,120.56
3/4	138.67	3/4	470.81	3/4	802.91	3/4	1,134.69	3/4	1,466.88	3/4	1,799.07	3/4	2,131.26	3/4	2,463.45	3/4	2,795.51	3/4	3,127.48
5	145.58	5	477.73	5	809.82	5	1,141.61	5	1,473.80	5	1,805.99	5	2,138.18	5	2,470.37	5	2,802.42	5	3,134.39
1/4	152.50	1/4	484.65	1/4	816.73	1/4	1,148.53	1/4	1,480.72	1/4	1,812.91	1/4	2,145.10	1/4	2,477.29	1/4	2,809.34	1/4	3,141.31
1/2	159.42	1/2	491.57	1/2	823.64	1/2	1,155.45	1/2	1,487.64	1/2	1,819.83	1/2	2,152.02	1/2	2,484.21	1/2	2,816.26	1/2	3,148.22
3/4	166.34	3/4	498.49	3/4	830.54	3/4	1,162.37	3/4	1,494.56	3/4	1,826.75	3/4	2,158.94	3/4	2,491.13	3/4	2,823.17	3/4	3,155.14
6	173.26	6	505.41	6	837.45	6	1,169.29	6	1,501.48	6	1,833.67	6	2,165.86	6	2,498.05	6	2,830.09	6	3,162.06
1/4	180.18	1/4	512.33	1/4	844.36	1/4	1,176.21	1/4	1,508.40	1/4	1,840.59	1/4	2,172.78	1/4	2,504.97	1/4	2,837.00	1/4	3,168.97
1/2	187.10	1/2	519.25	1/2	851.27	1/2	1,183.13	1/2	1,515.32	1/2	1,847.51	1/2	2,179.70	1/2	2,511.89	1/2	2,843.92	1/2	3,175.89
3/4	194.02	3/4	526.17	3/4	858.18	3/4	1,190.06	3/4	1,522.24	3/4	1,854.43	3/4	2,186.62	3/4	2,518.81	3/4	2,850.84	3/4	3,182.80
7	200.94	7	533.09	7	865.09	7	1,196.98	7	1,529.16	7	1,861.35	7	2,193.54	7	2,525.73	7	2,857.75	7	3,189.72
1/4	207.86	1/4	540.01	1/4	872.00	1/4	1,203.90	1/4	1,536.09	1/4	1,868.27	1/4	2,200.46	1/4	2,532.65	1/4	2,864.67	1/4	3,196.64
1/2	214.78	1/2	546.93	1/2	878.90	1/2	1,210.82	1/2	1,543.01	1/2	1,875.19	1/2	2,207.38	1/2	2,539.57	1/2	2,871.58	1/2	3,203.55
3/4	221.70	3/4	553.85	3/4	885.81	3/4	1,217.74	3/4	1,549.93	3/4	1,882.12	3/4	2,214.30	3/4	2,546.49	3/4	2,878.50	3/4	3,210.47
8	228.62	8	560.77	8	892.72	8	1,224.66	8	1,556.85	8	1,889.04	8	2,221.22	8	2,553.41	8	2,885.42	8	3,217.38
1/4	235.54	1/4	567.69	1/4	899.63	1/4	1,231.58	1/4	1,563.77	1/4	1,895.96	1/4	2,228.15	1/4	2,560.33	1/4	2,892.33	1/4	3,224.30
1/2	242.47	1/2	574.61	1/2	906.54	1/2	1,238.50	1/2	1,570.69	1/2	1,902.88	1/2	2,235.07	1/2	2,567.25	1/2	2,899.25	1/2	3,231.22
3/4	249.39	3/4	581.53	3/4	913.45	3/4	1,245.42	3/4	1,577.61	3/4	1,909.80	3/4	2,241.99	3/4	2,574.18	3/4	2,906.16	3/4	3,238.13
9	256.31	9	588.45	9	920.36	9	1,252.34	9	1,584.53	9	1,916.72	9	2,248.91	9	2,581.10	9	2,913.08	9	3,245.05
1/4	263.23	1/4	595.37	1/4	927.26	1/4	1,259.26	1/4	1,591.45	1/4	1,923.64	1/4	2,255.83	1/4	2,588.02	1/4	2,920.00	1/4	3,251.96
1/2	270.15	1/2	602.29	1/2	934.17	1/2	1,266.18	1/2	1,598.37	1/2	1,930.56	1/2	2,262.75	1/2	2,594.94	1/2	2,926.91	1/2	3,258.88
3/4	277.07	3/4	609.21	3/4	941.08	3/4	1,273.10	3/4	1,605.29	3/4	1,937.48	3/4	2,269.67	3/4	2,601.86	3/4	2,933.83	3/4	3,265.80
10	283.99	10	616.13	10	947.99	10	1,280.02	10	1,612.21	10	1,944.40	10	2,276.59	10	2,608.78	10	2,940.74	10	3,272.71
1/4	290.91	1/4	623.05	1/4	954.90	1/4	1,286.94	1/4	1,619.13	1/4	1,951.32	1/4	2,283.51	1/4	2,615.69	1/4	2,947.66	1/4	3,279.63
1/2	297.83	1/2	629.97	1/2	961.81	1/2	1,293.86	1/2	1,626.05	1/2	1,958.24	1/2	2,290.43	1/2	2,622.61	1/2	2,954.58	1/2	3,286.54
3/4	304.75	3/4	636.89	3/4	968.72	3/4	1,300.78	3/4	1,632.97	3/4	1,965.16	3/4	2,297.35	3/4	2,629.52	3/4	2,961.49	3/4	3,293.46
11	311.67	11	643.81	11	975.62	11	1,307.71	11	1,639.89	11	1,972.08	11	2,304.27	11	2,636.44	11	2,968.41	11	3,300.38
1/4	318.59	1/4	650.73	1/4	982.53	1/4	1,314.63	1/4	1,646.81	1/4	1,979.00	1/4	2,311.19	1/4	2,643.36	1/4	2,975.32	1/4	3,307.29
1/2	325.50	1/2	657.65	1/2	989.44	1/2	1,321.55	1/2	1,653.74	1/2	1,985.92	1/2	2,318.11	1/2	2,650.27	1/2	2,982.24	1/2	3,314.21
3/4	332.42	3/4	664.58	3/4	996.35	3/4	1,328.47	3/4	1,660.66	3/4	1,992.84	3/4	2,325.03	3/4	2,657.19	3/4	2,989.16	3/4	3,321.12

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCO 253"

1 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	3,328.04	0	3,660.01	0	3,991.98	0	4,323.50	0	4,643.85	0	4,946.42	0		0		0		0	
1/4	3,334.96	1/4	3,666.92	1/4	3,998.89	1/4	4,330.32	1/4	4,650.31	1/4	4,952.54	1/4		1/4		1/4		1/4	
1/2	3,341.87	1/2	3,673.84	1/2	4,005.81	1/2	4,337.15	1/2	4,656.78	1/2	4,958.66	1/2		1/2		1/2		1/2	
3/4	3,348.79	3/4	3,680.76	3/4	4,012.72	3/4	4,343.98	3/4	4,663.24	3/4	4,964.79	3/4		3/4		3/4		3/4	
1	3,355.70	1	3,687.67	1	4,019.64	1	4,350.80	1	4,669.71	1	4,970.91	1		1		1		1	
1/4	3,362.62	1/4	3,694.59	1/4	4,026.56	1/4	4,357.60	1/4	4,676.13	1/4	4,977.01	1/4		1/4		1/4		1/4	
1/2	3,369.54	1/2	3,701.50	1/2	4,033.47	1/2	4,364.40	1/2	4,682.56	1/2	4,983.10	1/2		1/2		1/2		1/2	
3/4	3,376.45	3/4	3,708.42	3/4	4,040.39	3/4	4,371.20	3/4	4,688.99	3/4	4,989.20	3/4		3/4		3/4		3/4	
2	3,383.37	2	3,715.34	2	4,047.30	2	4,378.00	2	4,695.41	2	4,995.29	2		2		2		2	
1/4	3,390.28	1/4	3,722.25	1/4	4,054.22	1/4	4,384.77	1/4	4,701.81	1/4	5,001.36	1/4		1/4		1/4		1/4	
1/2	3,397.20	1/2	3,729.17	1/2	4,061.14	1/2	4,391.54	1/2	4,708.21	1/2	5,007.43	1/2		1/2		1/2		1/2	
3/4	3,404.12	3/4	3,736.08	3/4	4,068.05	3/4	4,398.31	3/4	4,714.61	3/4	5,013.49	3/4		3/4		3/4		3/4	
3	3,411.03	3	3,743.00	3	4,074.97	3	4,405.08	3	4,721.01	3	5,019.56	3		3		3		3	
1/4	3,417.95	1/4	3,749.92	1/4	4,081.88	1/4	4,411.82	1/4	4,727.38	1/4	5,025.56	1/4		1/4		1/4		1/4	
1/2	3,424.86	1/2	3,756.83	1/2	4,088.80	1/2	4,418.56	1/2	4,733.76	1/2	5,031.56	1/2		1/2		1/2		1/2	
3/4	3,431.78	3/4	3,763.75	3/4	4,095.72	3/4	4,425.31	3/4	4,740.13	3/4	5,037.56	3/4		3/4		3/4		3/4	
4	3,438.70	4	3,770.66	4	4,102.63	4	4,432.05	4	4,746.50	4	5,043.56	4		4		4		4	
1/4	3,445.61	1/4	3,777.58	1/4	4,109.55	1/4	4,438.77	1/4	4,752.84	1/4	5,049.51	1/4		1/4		1/4		1/4	
1/2	3,452.53	1/2	3,784.50	1/2	4,116.46	1/2	4,445.48	1/2	4,759.19	1/2	5,055.47	1/2		1/2		1/2		1/2	
3/4	3,459.44	3/4	3,791.41	3/4	4,123.38	3/4	4,452.20	3/4	4,765.53	3/4	5,061.43	3/4		3/4		3/4		3/4	
5	3,466.36	5	3,798.33	5	4,130.30	5	4,458.91	5	4,771.88	5	5,067.39	5		5		5		5	
1/4	3,473.28	1/4	3,805.24	1/4	4,137.21	1/4	4,465.60	1/4	4,778.19	1/4	5,073.32	1/4		1/4		1/4		1/4	
1/2	3,480.19	1/2	3,812.16	1/2	4,144.13	1/2	4,472.29	1/2	4,784.51	1/2	5,079.25	1/2		1/2		1/2		1/2	
3/4	3,487.11	3/4	3,819.08	3/4	4,151.04	3/4	4,478.98	3/4	4,790.83	3/4	5,085.18	3/4		3/4		3/4		3/4	
6	3,494.02	6	3,825.99	6	4,157.96	6	4,485.66	6	4,797.14	6	5,091.11	6		6		6		6	
1/4	3,500.94	1/4	3,832.91	1/4	4,164.88	1/4	4,492.32	1/4	4,803.43	1/4	5,097.01	1/4		1/4		1/4		1/4	
1/2	3,507.86	1/2	3,839.82	1/2	4,171.79	1/2	4,498.98	1/2	4,809.72	1/2	5,102.91	1/2		1/2		1/2		1/2	
3/4	3,514.77	3/4	3,846.74	3/4	4,178.71	3/4	4,505.64	3/4	4,816.01	3/4	5,108.82	3/4		3/4		3/4		3/4	
7	3,521.69	7	3,853.66	7	4,185.62	7	4,512.30	7	4,822.30	7	5,114.72	7		7		7		7	
1/4	3,528.60	1/4	3,860.57	1/4	4,192.54	1/4	4,518.94	1/4	4,828.56	1/4	5,120.08	1/4		1/4		1/4		1/4	
1/2	3,535.52	1/2	3,867.49	1/2	4,199.46	1/2	4,525.57	1/2	4,834.82	1/2	5,125.44	1/2		1/2		1/2		1/2	
3/4	3,542.44	3/4	3,874.40	3/4	4,206.37	3/4	4,532.20	3/4	4,841.08	3/4	5,130.79	3/4		3/4		3/4		3/4	
8	3,549.35	8	3,881.32	8	4,213.29	8	4,538.83	8	4,847.34	8	5,136.15	8		8		8		8	
1/4	3,556.27	1/4	3,888.24	1/4	4,220.20	1/4	4,545.44	1/4	4,853.58	1/4	5,141.03	1/4		1/4		1/4		1/4	
1/2	3,563.18	1/2	3,895.15	1/2	4,227.12	1/2	4,552.04	1/2	4,859.81	1/2	5,145.92	1/2		1/2		1/2		1/2	
3/4	3,570.10	3/4	3,902.07	3/4	4,234.04	3/4	4,558.65	3/4	4,866.05	3/4		3/4		3/4		3/4		3/4	
9	3,577.02	9	3,908.98	9	4,240.95	9	4,565.25	9	4,872.28	9		9		9		9		9	
1/4	3,583.93	1/4	3,915.90	1/4	4,247.85	1/4	4,571.83	1/4	4,878.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,590.85	1/2	3,922.82	1/2	4,254.75	1/2	4,578.41	1/2	4,884.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,597.76	3/4	3,929.73	3/4	4,261.66	3/4	4,584.98	3/4	4,890.90	3/4		3/4		3/4		3/4		3/4	
10	3,604.68	10	3,936.65	10	4,268.56	10	4,591.56	10	4,897.10	10		10		10		10		10	
1/4	3,611.60	1/4	3,943.56	1/4	4,275.44	1/4	4,598.11	1/4	4,903.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,618.51	1/2	3,950.48	1/2	4,282.32	1/2	4,604.66	1/2	4,909.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,625.43	3/4	3,957.40	3/4	4,289.20	3/4	4,611.21	3/4	4,915.64	3/4		3/4		3/4		3/4		3/4	
11	3,632.34	11	3,964.31	11	4,296.08	11	4,617.76	11	4,921.82	11		11		11		11		11	
1/4	3,639.26	1/4	3,971.23	1/4	4,302.94	1/4	4,624.28	1/4	4,927.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,646.18	1/2	3,978.14	1/2	4,309.79	1/2	4,630.80	1/2	4,934.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,653.09	3/4	3,985.06	3/4	4,316.64	3/4	4,637.33	3/4	4,940.27	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013



BARGE "CTCO 253"

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'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCO 253"

**1 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.	
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: 06/03/2013 SW - CL
CALCULATED: 06/03/2013 CL
PRINTED: 06/04/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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



BARGE "CTCO 253"

2 PORT 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	21.83	0	338.08	0	669.00	0	999.63	0	1,330.54	0	1,661.50	0	1,992.45	0	2,323.41	0	2,654.32	0	2,985.05
1/4	26.31	1/4	344.97	1/4	675.90	1/4	1,006.52	1/4	1,337.44	1/4	1,668.39	1/4	1,999.35	1/4	2,330.30	1/4	2,661.21	1/4	2,991.94
1/2	30.79	1/2	351.86	1/2	682.79	1/2	1,013.40	1/2	1,344.33	1/2	1,675.29	1/2	2,006.24	1/2	2,337.20	1/2	2,668.10	1/2	2,998.83
3/4	35.27	3/4	358.75	3/4	689.69	3/4	1,020.29	3/4	1,351.23	3/4	1,682.18	3/4	2,013.14	3/4	2,344.09	3/4	2,674.99	3/4	3,005.72
1	39.75	1	365.65	1	696.58	1	1,027.17	1	1,358.12	1	1,689.08	1	2,020.03	1	2,350.99	1	2,681.88	1	3,012.61
1/4	45.61	1/4	372.54	1/4	703.48	1/4	1,034.07	1/4	1,365.02	1/4	1,695.97	1/4	2,026.93	1/4	2,357.88	1/4	2,688.77	1/4	3,019.50
1/2	51.47	1/2	379.43	1/2	710.37	1/2	1,040.96	1/2	1,371.91	1/2	1,702.87	1/2	2,033.82	1/2	2,364.78	1/2	2,695.66	1/2	3,026.39
3/4	57.33	3/4	386.33	3/4	717.27	3/4	1,047.85	3/4	1,378.81	3/4	1,709.76	3/4	2,040.72	3/4	2,371.67	3/4	2,702.55	3/4	3,033.28
2	63.19	2	393.22	2	724.16	2	1,054.74	2	1,385.70	2	1,716.66	2	2,047.61	2	2,378.57	2	2,709.44	2	3,040.17
1/4	69.88	1/4	400.11	1/4	731.06	1/4	1,061.64	1/4	1,392.60	1/4	1,723.55	1/4	2,054.51	1/4	2,385.46	1/4	2,716.33	1/4	3,047.06
1/2	76.58	1/2	407.01	1/2	737.95	1/2	1,068.53	1/2	1,399.49	1/2	1,730.45	1/2	2,061.40	1/2	2,392.36	1/2	2,723.22	1/2	3,053.95
3/4	83.27	3/4	413.90	3/4	744.84	3/4	1,075.43	3/4	1,406.38	3/4	1,737.34	3/4	2,068.30	3/4	2,399.25	3/4	2,730.11	3/4	3,060.84
3	89.97	3	420.80	3	751.74	3	1,082.32	3	1,413.28	3	1,744.23	3	2,075.19	3	2,406.15	3	2,737.00	3	3,067.73
1/4	96.85	1/4	427.69	1/4	758.63	1/4	1,089.22	1/4	1,420.17	1/4	1,751.13	1/4	2,082.09	1/4	2,413.04	1/4	2,743.90	1/4	3,074.62
1/2	103.72	1/2	434.59	1/2	765.51	1/2	1,096.11	1/2	1,427.07	1/2	1,758.02	1/2	2,088.98	1/2	2,419.94	1/2	2,750.79	1/2	3,081.51
3/4	110.60	3/4	441.48	3/4	772.40	3/4	1,103.01	3/4	1,433.96	3/4	1,764.92	3/4	2,095.87	3/4	2,426.83	3/4	2,757.68	3/4	3,088.41
4	117.48	4	448.38	4	779.29	4	1,109.90	4	1,440.86	4	1,771.81	4	2,102.77	4	2,433.72	4	2,764.57	4	3,095.30
1/4	124.37	1/4	455.27	1/4	786.18	1/4	1,116.80	1/4	1,447.75	1/4	1,778.71	1/4	2,109.66	1/4	2,440.62	1/4	2,771.46	1/4	3,102.19
1/2	131.26	1/2	462.17	1/2	793.06	1/2	1,123.69	1/2	1,454.65	1/2	1,785.60	1/2	2,116.56	1/2	2,447.51	1/2	2,778.35	1/2	3,109.08
3/4	138.15	3/4	469.06	3/4	799.95	3/4	1,130.59	3/4	1,461.54	3/4	1,792.50	3/4	2,123.45	3/4	2,454.41	3/4	2,785.24	3/4	3,115.97
5	145.04	5	475.96	5	806.83	5	1,137.48	5	1,468.44	5	1,799.39	5	2,130.35	5	2,461.30	5	2,792.13	5	3,122.86
1/4	151.94	1/4	482.85	1/4	813.72	1/4	1,144.38	1/4	1,475.33	1/4	1,806.29	1/4	2,137.24	1/4	2,468.20	1/4	2,799.02	1/4	3,129.75
1/2	158.83	1/2	489.74	1/2	820.60	1/2	1,151.27	1/2	1,482.23	1/2	1,813.18	1/2	2,144.14	1/2	2,475.09	1/2	2,805.91	1/2	3,136.64
3/4	165.73	3/4	496.64	3/4	827.49	3/4	1,158.17	3/4	1,489.12	3/4	1,820.08	3/4	2,151.03	3/4	2,481.99	3/4	2,812.80	3/4	3,143.53
6	172.62	6	503.53	6	834.37	6	1,165.06	6	1,496.02	6	1,826.97	6	2,157.93	6	2,488.88	6	2,819.69	6	3,150.42
1/4	179.52	1/4	510.43	1/4	841.26	1/4	1,171.96	1/4	1,502.91	1/4	1,833.87	1/4	2,164.82	1/4	2,495.78	1/4	2,826.58	1/4	3,157.31
1/2	186.41	1/2	517.32	1/2	848.15	1/2	1,178.85	1/2	1,509.81	1/2	1,840.76	1/2	2,171.72	1/2	2,502.67	1/2	2,833.47	1/2	3,164.20
3/4	193.30	3/4	524.22	3/4	855.03	3/4	1,185.75	3/4	1,516.70	3/4	1,847.66	3/4	2,178.61	3/4	2,509.57	3/4	2,840.36	3/4	3,171.09
7	200.20	7	531.11	7	861.92	7	1,192.64	7	1,523.60	7	1,854.55	7	2,185.51	7	2,516.46	7	2,847.25	7	3,177.98
1/4	207.09	1/4	538.01	1/4	868.80	1/4	1,199.54	1/4	1,530.49	1/4	1,861.45	1/4	2,192.40	1/4	2,523.36	1/4	2,854.14	1/4	3,184.87
1/2	213.99	1/2	544.90	1/2	875.69	1/2	1,206.43	1/2	1,537.39	1/2	1,868.34	1/2	2,199.30	1/2	2,530.25	1/2	2,861.03	1/2	3,191.76
3/4	220.88	3/4	551.80	3/4	882.57	3/4	1,213.33	3/4	1,544.28	3/4	1,875.24	3/4	2,206.19	3/4	2,537.15	3/4	2,867.92	3/4	3,198.65
8	227.78	8	558.69	8	889.46	8	1,220.22	8	1,551.18	8	1,882.13	8	2,213.09	8	2,544.04	8	2,874.81	8	3,205.54
1/4	234.67	1/4	565.59	1/4	896.35	1/4	1,227.12	1/4	1,558.07	1/4	1,889.03	1/4	2,219.98	1/4	2,550.94	1/4	2,881.70	1/4	3,212.43
1/2	241.57	1/2	572.48	1/2	903.23	1/2	1,234.01	1/2	1,564.97	1/2	1,895.92	1/2	2,226.88	1/2	2,557.83	1/2	2,888.59	1/2	3,219.32
3/4	248.46	3/4	579.37	3/4	910.12	3/4	1,240.91	3/4	1,571.86	3/4	1,902.82	3/4	2,233.77	3/4	2,564.73	3/4	2,895.48	3/4	3,226.21
9	255.36	9	586.27	9	917.00	9	1,247.80	9	1,578.76	9	1,909.71	9	2,240.67	9	2,571.62	9	2,902.37	9	3,233.10
1/4	262.25	1/4	593.16	1/4	923.89	1/4	1,254.70	1/4	1,585.65	1/4	1,916.61	1/4	2,247.56	1/4	2,578.52	1/4	2,909.26	1/4	3,239.99
1/2	269.15	1/2	600.06	1/2	930.77	1/2	1,261.59	1/2	1,592.55	1/2	1,923.50	1/2	2,254.46	1/2	2,585.41	1/2	2,916.15	1/2	3,246.88
3/4	276.04	3/4	606.95	3/4	937.66	3/4	1,268.49	3/4	1,599.44	3/4	1,930.40	3/4	2,261.35	3/4	2,592.31	3/4	2,923.04	3/4	3,253.77
10	282.93	10	613.85	10	944.55	10	1,275.38	10	1,606.34	10	1,937.29	10	2,268.25	10	2,599.20	10	2,929.93	10	3,260.66
1/4	289.83	1/4	620.74	1/4	951.43	1/4	1,282.28	1/4	1,613.23	1/4	1,944.19	1/4	2,275.14	1/4	2,606.09	1/4	2,936.82	1/4	3,267.55
1/2	296.72	1/2	627.64	1/2	958.32	1/2	1,289.17	1/2	1,620.13	1/2	1,951.08	1/2	2,282.04	1/2	2,612.98	1/2	2,943.71	1/2	3,274.44
3/4	303.62	3/4	634.53	3/4	965.20	3/4	1,296.07	3/4	1,627.02	3/4	1,957.98	3/4	2,288.93	3/4	2,619.87	3/4	2,950.60	3/4	3,281.33
11	310.51	11	641.43	11	972.09	11	1,302.96	11	1,633.92	11	1,964.87	11	2,295.83	11	2,626.76	11	2,957.49	11	3,288.22
1/4	317.40	1/4	648.32	1/4	978.97	1/4	1,309.86	1/4	1,640.81	1/4	1,971.77	1/4	2,302.72	1/4	2,633.65	1/4	2,964.38	1/4	3,295.11
1/2	324.30	1/2	655.21	1/2	985.86	1/2	1,316.75	1/2	1,647.71	1/2	1,978.66	1/2	2,309.62	1/2	2,640.54	1/2	2,971.27	1/2	3,302.00
3/4	331.19	3/4	662.11	3/4	992.75	3/4	1,323.65	3/4	1,654.60	3/4	1,985.56	3/4	2,316.51	3/4	2,647.43	3/4	2,978.16	3/4	3,308.89

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCO 253"

2 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.	
0	3,315.78	0	3,646.51	0	3,977.24	0	4,307.55	0	4,626.71	0	4,928.15	0		0		0		0	
1/4	3,322.67	1/4	3,653.40	1/4	3,984.13	1/4	4,314.35	1/4	4,633.15	1/4	4,934.25	1/4	1/4	1/4		1/4		1/4	
1/2	3,329.56	1/2	3,660.29	1/2	3,991.02	1/2	4,321.15	1/2	4,639.59	1/2	4,940.35	1/2	1/2	1/2		1/2		1/2	
3/4	3,336.45	3/4	3,667.18	3/4	3,997.91	3/4	4,327.95	3/4	4,646.03	3/4	4,946.45	3/4	3/4	3/4		3/4		3/4	
1	3,343.34	1	3,674.07	1	4,004.80	1	4,334.75	1	4,652.47	1	4,952.55	1	1	1		1		1	
1/4	3,350.23	1/4	3,680.96	1/4	4,011.69	1/4	4,341.53	1/4	4,658.88	1/4	4,958.63	1/4	1/4	1/4		1/4		1/4	
1/2	3,357.12	1/2	3,687.85	1/2	4,018.58	1/2	4,348.30	1/2	4,665.28	1/2	4,964.70	1/2	1/2	1/2		1/2		1/2	
3/4	3,364.01	3/4	3,694.74	3/4	4,025.47	3/4	4,355.07	3/4	4,671.68	3/4	4,970.77	3/4	3/4	3/4		3/4		3/4	
2	3,370.90	2	3,701.63	2	4,032.36	2	4,361.84	2	4,678.08	2	4,976.84	2	2	2		2		2	
1/4	3,377.79	1/4	3,708.52	1/4	4,039.25	1/4	4,368.59	1/4	4,684.46	1/4	4,982.89	1/4	1/4	1/4		1/4		1/4	
1/2	3,384.68	1/2	3,715.41	1/2	4,046.14	1/2	4,375.34	1/2	4,690.84	1/2	4,988.93	1/2	1/2	1/2		1/2		1/2	
3/4	3,391.57	3/4	3,722.30	3/4	4,053.03	3/4	4,382.08	3/4	4,697.21	3/4	4,994.98	3/4	3/4	3/4		3/4		3/4	
3	3,398.46	3	3,729.19	3	4,059.92	3	4,388.83	3	4,703.59	3	5,001.02	3	3	3		3		3	
1/4	3,405.35	1/4	3,736.08	1/4	4,066.81	1/4	4,395.54	1/4	4,709.94	1/4	5,007.00	1/4	1/4	1/4		1/4		1/4	
1/2	3,412.24	1/2	3,742.97	1/2	4,073.70	1/2	4,402.26	1/2	4,716.28	1/2	5,012.98	1/2	1/2	1/2		1/2		1/2	
3/4	3,419.13	3/4	3,749.86	3/4	4,080.59	3/4	4,408.98	3/4	4,722.63	3/4	5,018.95	3/4	3/4	3/4		3/4		3/4	
4	3,426.02	4	3,756.75	4	4,087.48	4	4,415.70	4	4,728.98	4	5,024.93	4	4	4		4		4	
1/4	3,432.92	1/4	3,763.64	1/4	4,094.37	1/4	4,422.39	1/4	4,735.30	1/4	5,030.86	1/4	1/4	1/4		1/4		1/4	
1/2	3,439.81	1/2	3,770.53	1/2	4,101.26	1/2	4,429.08	1/2	4,741.62	1/2	5,036.80	1/2	1/2	1/2		1/2		1/2	
3/4	3,446.70	3/4	3,777.43	3/4	4,108.15	3/4	4,435.77	3/4	4,747.94	3/4	5,042.73	3/4	3/4	3/4		3/4		3/4	
5	3,453.59	5	3,784.32	5	4,115.04	5	4,442.46	5	4,754.26	5	5,048.67	5	5	5		5		5	
1/4	3,460.48	1/4	3,791.21	1/4	4,121.94	1/4	4,449.12	1/4	4,760.56	1/4	5,054.58	1/4	1/4	1/4		1/4		1/4	
1/2	3,467.37	1/2	3,798.10	1/2	4,128.83	1/2	4,455.79	1/2	4,766.85	1/2	5,060.48	1/2	1/2	1/2		1/2		1/2	
3/4	3,474.26	3/4	3,804.99	3/4	4,135.72	3/4	4,462.45	3/4	4,773.14	3/4	5,066.39	3/4	3/4	3/4		3/4		3/4	
6	3,481.15	6	3,811.88	6	4,142.61	6	4,469.11	6	4,779.43	6	5,072.30	6	6	6		6		6	
1/4	3,488.04	1/4	3,818.77	1/4	4,149.50	1/4	4,475.75	1/4	4,785.70	1/4	5,078.18	1/4	1/4	1/4		1/4		1/4	
1/2	3,494.93	1/2	3,825.66	1/2	4,156.39	1/2	4,482.38	1/2	4,791.97	1/2	5,084.06	1/2	1/2	1/2		1/2		1/2	
3/4	3,501.82	3/4	3,832.55	3/4	4,163.28	3/4	4,489.02	3/4	4,798.23	3/4	5,089.95	3/4	3/4	3/4		3/4		3/4	
7	3,508.71	7	3,839.44	7	4,170.17	7	4,495.65	7	4,804.50	7	5,095.83	7	7	7		7		7	
1/4	3,515.60	1/4	3,846.33	1/4	4,177.06	1/4	4,502.26	1/4	4,810.73	1/4	5,101.17	1/4	1/4	1/4		1/4		1/4	
1/2	3,522.49	1/2	3,853.22	1/2	4,183.95	1/2	4,508.87	1/2	4,816.97	1/2	5,106.50	1/2	1/2	1/2		1/2		1/2	
3/4	3,529.38	3/4	3,860.11	3/4	4,190.84	3/4	4,515.48	3/4	4,823.21	3/4	5,111.84	3/4	3/4	3/4		3/4		3/4	
8	3,536.27	8	3,867.00	8	4,197.73	8	4,522.09	8	4,829.45	8	5,117.18	8	8	8		8		8	
1/4	3,543.16	1/4	3,873.89	1/4	4,204.62	1/4	4,528.67	1/4	4,835.66	1/4	5,122.05	1/4	1/4	1/4		1/4		1/4	
1/2	3,550.05	1/2	3,880.78	1/2	4,211.51	1/2	4,535.25	1/2	4,841.87	1/2	5,126.91	1/2	1/2	1/2		1/2		1/2	
3/4	3,556.94	3/4	3,887.67	3/4	4,218.40	3/4	4,541.83	3/4	4,848.08	3/4		3/4	3/4	3/4		3/4		3/4	
9	3,563.83	9	3,894.56	9	4,225.29	9	4,548.41	9	4,854.29	9		9	9	9		9		9	
1/4	3,570.72	1/4	3,901.45	1/4	4,232.17	1/4	4,554.96	1/4	4,860.47	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,577.61	1/2	3,908.34	1/2	4,239.05	1/2	4,561.51	1/2	4,866.66	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,584.50	3/4	3,915.23	3/4	4,245.93	3/4	4,568.07	3/4	4,872.84	3/4		3/4	3/4	3/4		3/4		3/4	
10	3,591.39	10	3,922.12	10	4,252.81	10	4,574.62	10	4,879.02	10		10	10	10		10		10	
1/4	3,598.28	1/4	3,929.01	1/4	4,259.67	1/4	4,581.14	1/4	4,885.18	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,605.17	1/2	3,935.90	1/2	4,266.52	1/2	4,587.67	1/2	4,891.33	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,612.06	3/4	3,942.79	3/4	4,273.38	3/4	4,594.19	3/4	4,897.49	3/4		3/4	3/4	3/4		3/4		3/4	
11	3,618.95	11	3,949.68	11	4,280.24	11	4,600.72	11	4,903.64	11		11	11	11		11		11	
1/4	3,625.84	1/4	3,956.57	1/4	4,287.06	1/4	4,607.22	1/4	4,909.77	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,632.73	1/2	3,963.46	1/2	4,293.89	1/2	4,613.71	1/2	4,915.90	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,639.62	3/4	3,970.35	3/4	4,300.72	3/4	4,620.21	3/4	4,922.02	3/4		3/4	3/4	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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



BARGE "CTCO 253"

2 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	21.40	0	326.08	0	629.57	0	918.16	0	1,245.83	0	1,576.79	0	1,907.74	0	2,238.70	0	2,569.61	0	2,900.34
1/4	25.80	1/4	332.55	1/4	635.71	1/4	924.69	1/4	1,252.73	1/4	1,583.68	1/4	1,914.64	1/4	2,245.59	1/4	2,576.50	1/4	2,907.23
1/2	30.19	1/2	339.03	1/2	641.86	1/2	931.21	1/2	1,259.62	1/2	1,590.58	1/2	1,921.53	1/2	2,252.49	1/2	2,583.39	1/2	2,914.12
3/4	34.58	3/4	345.50	3/4	648.00	3/4	937.74	3/4	1,266.52	3/4	1,597.47	3/4	1,928.43	3/4	2,259.38	3/4	2,590.28	3/4	2,921.01
1	38.97	1	351.97	1	654.14	1	944.27	1	1,273.41	1	1,604.37	1	1,935.32	1	2,266.28	1	2,597.17	1	2,927.90
1/4	44.71	1/4	358.41	1/4	660.26	1/4	950.80	1/4	1,280.31	1/4	1,611.26	1/4	1,942.22	1/4	2,273.17	1/4	2,604.06	1/4	2,934.79
1/2	50.45	1/2	364.86	1/2	666.38	1/2	957.33	1/2	1,287.20	1/2	1,618.16	1/2	1,949.11	1/2	2,280.07	1/2	2,610.95	1/2	2,941.68
3/4	56.19	3/4	371.31	3/4	672.49	3/4	963.86	3/4	1,294.10	3/4	1,625.05	3/4	1,956.01	3/4	2,286.96	3/4	2,617.84	3/4	2,948.57
2	61.94	2	377.75	2	678.61	2	970.40	2	1,300.99	2	1,631.95	2	1,962.90	2	2,293.86	2	2,624.74	2	2,955.46
1/4	68.49	1/4	384.17	1/4	684.43	1/4	977.20	1/4	1,307.89	1/4	1,638.84	1/4	1,969.80	1/4	2,300.75	1/4	2,631.63	1/4	2,962.35
1/2	75.04	1/2	390.59	1/2	690.25	1/2	984.01	1/2	1,314.78	1/2	1,645.74	1/2	1,976.69	1/2	2,307.65	1/2	2,638.52	1/2	2,969.25
3/4	81.59	3/4	397.01	3/4	696.06	3/4	990.81	3/4	1,321.68	3/4	1,652.63	3/4	1,983.59	3/4	2,314.54	3/4	2,645.41	3/4	2,976.14
3	88.14	3	403.43	3	701.88	3	997.61	3	1,328.57	3	1,659.53	3	1,990.48	3	2,321.44	3	2,652.30	3	2,983.03
1/4	94.84	1/4	409.82	1/4	707.58	1/4	1,004.51	1/4	1,335.46	1/4	1,666.42	1/4	1,997.38	1/4	2,328.33	1/4	2,659.19	1/4	2,989.92
1/2	101.55	1/2	416.21	1/2	713.27	1/2	1,011.40	1/2	1,342.36	1/2	1,673.32	1/2	2,004.27	1/2	2,335.23	1/2	2,666.08	1/2	2,996.81
3/4	108.25	3/4	422.60	3/4	718.97	3/4	1,018.30	3/4	1,349.25	3/4	1,680.21	3/4	2,011.17	3/4	2,342.12	3/4	2,672.97	3/4	3,003.70
4	114.96	4	429.00	4	724.66	4	1,025.19	4	1,356.15	4	1,687.10	4	2,018.06	4	2,349.02	4	2,679.86	4	3,010.59
1/4	121.65	1/4	435.36	1/4	730.33	1/4	1,032.09	1/4	1,363.04	1/4	1,694.00	1/4	2,024.95	1/4	2,355.91	1/4	2,686.75	1/4	3,017.48
1/2	128.34	1/2	441.73	1/2	736.00	1/2	1,038.98	1/2	1,369.94	1/2	1,700.89	1/2	2,031.85	1/2	2,362.80	1/2	2,693.64	1/2	3,024.37
3/4	135.03	3/4	448.09	3/4	741.66	3/4	1,045.88	3/4	1,376.83	3/4	1,707.79	3/4	2,038.74	3/4	2,369.70	3/4	2,700.53	3/4	3,031.26
5	141.72	5	454.45	5	747.33	5	1,052.77	5	1,383.73	5	1,714.68	5	2,045.64	5	2,376.59	5	2,707.42	5	3,038.15
1/4	148.39	1/4	460.79	1/4	752.97	1/4	1,059.67	1/4	1,390.62	1/4	1,721.58	1/4	2,052.53	1/4	2,383.49	1/4	2,714.31	1/4	3,045.04
1/2	155.06	1/2	467.13	1/2	758.61	1/2	1,066.56	1/2	1,397.52	1/2	1,728.47	1/2	2,059.43	1/2	2,390.38	1/2	2,721.20	1/2	3,051.93
3/4	161.73	3/4	473.46	3/4	764.25	3/4	1,073.46	3/4	1,404.41	3/4	1,735.37	3/4	2,066.32	3/4	2,397.28	3/4	2,728.09	3/4	3,058.82
6	168.39	6	479.80	6	769.89	6	1,080.35	6	1,411.31	6	1,742.26	6	2,073.22	6	2,404.17	6	2,734.98	6	3,065.71
1/4	175.03	1/4	486.11	1/4	775.50	1/4	1,087.25	1/4	1,418.20	1/4	1,749.16	1/4	2,080.11	1/4	2,411.07	1/4	2,741.87	1/4	3,072.60
1/2	181.67	1/2	492.42	1/2	781.11	1/2	1,094.14	1/2	1,425.10	1/2	1,756.05	1/2	2,087.01	1/2	2,417.96	1/2	2,748.76	1/2	3,079.49
3/4	188.31	3/4	498.73	3/4	786.72	3/4	1,101.04	3/4	1,431.99	3/4	1,762.95	3/4	2,093.90	3/4	2,424.86	3/4	2,755.65	3/4	3,086.38
7	194.95	7	505.04	7	792.33	7	1,107.93	7	1,438.89	7	1,769.84	7	2,100.80	7	2,431.75	7	2,762.54	7	3,093.27
1/4	201.56	1/4	511.32	1/4	797.92	1/4	1,114.83	1/4	1,445.78	1/4	1,776.74	1/4	2,107.69	1/4	2,438.65	1/4	2,769.43	1/4	3,100.16
1/2	208.18	1/2	517.60	1/2	803.50	1/2	1,121.72	1/2	1,452.68	1/2	1,783.63	1/2	2,114.59	1/2	2,445.54	1/2	2,776.32	1/2	3,107.05
3/4	214.79	3/4	523.88	3/4	809.08	3/4	1,128.62	3/4	1,459.57	3/4	1,790.53	3/4	2,121.48	3/4	2,452.44	3/4	2,783.21	3/4	3,113.94
8	221.40	8	530.16	8	814.67	8	1,135.51	8	1,466.47	8	1,797.42	8	2,128.38	8	2,459.33	8	2,790.10	8	3,120.83
1/4	227.98	1/4	536.42	1/4	820.96	1/4	1,142.41	1/4	1,473.36	1/4	1,804.32	1/4	2,135.27	1/4	2,466.23	1/4	2,796.99	1/4	3,127.72
1/2	234.57	1/2	542.67	1/2	827.25	1/2	1,149.30	1/2	1,480.26	1/2	1,811.21	1/2	2,142.17	1/2	2,473.12	1/2	2,803.88	1/2	3,134.61
3/4	241.15	3/4	548.93	3/4	833.54	3/4	1,156.20	3/4	1,487.15	3/4	1,818.11	3/4	2,149.06	3/4	2,480.02	3/4	2,810.77	3/4	3,141.50
9	247.74	9	555.18	9	839.83	9	1,163.09	9	1,494.05	9	1,825.00	9	2,155.96	9	2,486.91	9	2,817.66	9	3,148.39
1/4	254.30	1/4	561.41	1/4	846.36	1/4	1,169.99	1/4	1,500.94	1/4	1,831.90	1/4	2,162.85	1/4	2,493.81	1/4	2,824.55	1/4	3,155.28
1/2	260.85	1/2	567.63	1/2	852.88	1/2	1,176.88	1/2	1,507.84	1/2	1,838.79	1/2	2,169.75	1/2	2,500.70	1/2	2,831.44	1/2	3,162.17
3/4	267.41	3/4	573.86	3/4	859.41	3/4	1,183.78	3/4	1,514.73	3/4	1,845.69	3/4	2,176.64	3/4	2,507.60	3/4	2,838.33	3/4	3,169.06
10	273.97	10	580.09	10	865.94	10	1,190.67	10	1,521.63	10	1,852.58	10	2,183.54	10	2,514.49	10	2,845.22	10	3,175.95
1/4	280.50	1/4	586.29	1/4	872.47	1/4	1,197.57	1/4	1,528.52	1/4	1,859.48	1/4	2,190.43	1/4	2,521.38	1/4	2,852.11	1/4	3,182.84
1/2	287.03	1/2	592.48	1/2	878.99	1/2	1,204.46	1/2	1,535.42	1/2	1,866.37	1/2	2,197.33	1/2	2,528.27	1/2	2,859.00	1/2	3,189.73
3/4	293.56	3/4	598.68	3/4	885.52	3/4	1,211.36	3/4	1,542.31	3/4	1,873.27	3/4	2,204.22	3/4	2,535.16	3/4	2,865.89	3/4	3,196.62
11	300.09	11	604.88	11	892.05	11	1,218.25	11	1,549.21	11	1,880.16	11	2,211.12	11	2,542.05	11	2,872.78	11	3,203.51
1/4	306.58	1/4	611.05	1/4	898.58	1/4	1,225.15	1/4	1,556.10	1/4	1,887.06	1/4	2,218.01	1/4	2,548.94	1/4	2,879.67	1/4	3,210.40
1/2	313.08	1/2	617.23	1/2	905.10	1/2	1,232.04	1/2	1,563.00	1/2	1,893.95	1/2	2,224.91	1/2	2,555.83	1/2	2,886.56	1/2	3,217.29
3/4	319.58	3/4	623.40	3/4	911.63	3/4	1,238.94	3/4	1,569.89	3/4	1,900.85	3/4	2,231.80	3/4	2,562.72	3/4	2,893.45	3/4	3,224.18

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCO 253"

2 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	3,231.07	0	3,561.80	0	3,892.53	0	4,223.26	0	4,553.99	0	4,882.88	0		0		0		0	
1/4	3,237.96	1/4	3,568.69	1/4	3,899.42	1/4	4,230.15	1/4	4,560.85	1/4	4,889.73	1/4		1/4		1/4		1/4	
1/2	3,244.85	1/2	3,575.58	1/2	3,906.31	1/2	4,237.04	1/2	4,567.72	1/2	4,896.58	1/2		1/2		1/2		1/2	
3/4	3,251.74	3/4	3,582.47	3/4	3,913.20	3/4	4,243.93	3/4	4,574.58	3/4	4,903.43	3/4		3/4		3/4		3/4	
1	3,258.63	1	3,589.36	1	3,920.09	1	4,250.82	1	4,581.44	1	4,910.28	1		1		1		1	
1/4	3,265.52	1/4	3,596.25	1/4	3,926.98	1/4	4,257.71	1/4	4,588.29	1/4	4,917.13	1/4		1/4		1/4		1/4	
1/2	3,272.41	1/2	3,603.14	1/2	3,933.87	1/2	4,264.60	1/2	4,595.14	1/2	4,923.98	1/2		1/2		1/2		1/2	
3/4	3,279.30	3/4	3,610.03	3/4	3,940.76	3/4	4,271.49	3/4	4,601.99	3/4	4,930.84	3/4		3/4		3/4		3/4	
2	3,286.19	2	3,616.92	2	3,947.65	2	4,278.38	2	4,608.84	2	4,937.69	2		2		2		2	
1/4	3,293.08	1/4	3,623.81	1/4	3,954.54	1/4	4,285.27	1/4	4,615.69	1/4	4,944.54	1/4		1/4		1/4		1/4	
1/2	3,299.97	1/2	3,630.70	1/2	3,961.43	1/2	4,292.16	1/2	4,622.55	1/2	4,951.39	1/2		1/2		1/2		1/2	
3/4	3,306.86	3/4	3,637.59	3/4	3,968.32	3/4	4,299.05	3/4	4,629.40	3/4	4,958.24	3/4		3/4		3/4		3/4	
3	3,313.76	3	3,644.48	3	3,975.21	3	4,305.94	3	4,636.25	3	4,965.09	3		3		3		3	
1/4	3,320.65	1/4	3,651.37	1/4	3,982.10	1/4	4,312.83	1/4	4,643.10	1/4	4,971.90	1/4		1/4		1/4		1/4	
1/2	3,327.54	1/2	3,658.27	1/2	3,988.99	1/2	4,319.72	1/2	4,649.95	1/2	4,978.71	1/2		1/2		1/2		1/2	
3/4	3,334.43	3/4	3,665.16	3/4	3,995.88	3/4	4,326.61	3/4	4,656.80	3/4	4,985.52	3/4		3/4		3/4		3/4	
4	3,341.32	4	3,672.05	4	4,002.78	4	4,333.50	4	4,663.65	4	4,992.33	4		4		4		4	
1/4	3,348.21	1/4	3,678.94	1/4	4,009.67	1/4	4,340.39	1/4	4,670.50	1/4	4,999.12	1/4		1/4		1/4		1/4	
1/2	3,355.10	1/2	3,685.83	1/2	4,016.56	1/2	4,347.29	1/2	4,677.35	1/2	5,005.92	1/2		1/2		1/2		1/2	
3/4	3,361.99	3/4	3,692.72	3/4	4,023.45	3/4	4,354.18	3/4	4,684.20	3/4	5,012.71	3/4		3/4		3/4		3/4	
5	3,368.88	5	3,699.61	5	4,030.34	5	4,361.07	5	4,691.05	5	5,019.51	5		5		5		5	
1/4	3,375.77	1/4	3,706.50	1/4	4,037.23	1/4	4,367.96	1/4	4,697.91	1/4	5,026.30	1/4		1/4		1/4		1/4	
1/2	3,382.66	1/2	3,713.39	1/2	4,044.12	1/2	4,374.85	1/2	4,704.76	1/2	5,033.10	1/2		1/2		1/2		1/2	
3/4	3,389.55	3/4	3,720.28	3/4	4,051.01	3/4	4,381.74	3/4	4,711.61	3/4	5,039.90	3/4		3/4		3/4		3/4	
6	3,396.44	6	3,727.17	6	4,057.90	6	4,388.63	6	4,718.46	6	5,046.69	6		6		6		6	
1/4	3,403.33	1/4	3,734.06	1/4	4,064.79	1/4	4,395.52	1/4	4,725.31	1/4	5,053.49	1/4		1/4		1/4		1/4	
1/2	3,410.22	1/2	3,740.95	1/2	4,071.68	1/2	4,402.41	1/2	4,732.16	1/2	5,060.29	1/2		1/2		1/2		1/2	
3/4	3,417.11	3/4	3,747.84	3/4	4,078.57	3/4	4,409.30	3/4	4,739.01	3/4	5,067.09	3/4		3/4		3/4		3/4	
7	3,424.00	7	3,754.73	7	4,085.46	7	4,416.19	7	4,745.86	7	5,073.89	7		7		7		7	
1/4	3,430.89	1/4	3,761.62	1/4	4,092.35	1/4	4,423.08	1/4	4,752.71	1/4	5,080.17	1/4		1/4		1/4		1/4	
1/2	3,437.78	1/2	3,768.51	1/2	4,099.24	1/2	4,429.97	1/2	4,759.56	1/2	5,086.45	1/2		1/2		1/2		1/2	
3/4	3,444.67	3/4	3,775.40	3/4	4,106.13	3/4	4,436.86	3/4	4,766.41	3/4	5,092.73	3/4		3/4		3/4		3/4	
8	3,451.56	8	3,782.29	8	4,113.02	8	4,443.75	8	4,773.27	8	5,099.01	8		8		8		8	
1/4	3,458.45	1/4	3,789.18	1/4	4,119.91	1/4	4,450.64	1/4	4,780.12	1/4	5,104.12	1/4		1/4		1/4		1/4	
1/2	3,465.34	1/2	3,796.07	1/2	4,126.80	1/2	4,457.53	1/2	4,786.97	1/2	5,109.22	1/2		1/2		1/2		1/2	
3/4	3,472.23	3/4	3,802.96	3/4	4,133.69	3/4	4,464.42	3/4	4,793.82	3/4		3/4		3/4		3/4		3/4	
9	3,479.12	9	3,809.85	9	4,140.58	9	4,471.31	9	4,800.67	9		9		9		9		9	
1/4	3,486.01	1/4	3,816.74	1/4	4,147.47	1/4	4,478.20	1/4	4,807.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,492.90	1/2	3,823.63	1/2	4,154.36	1/2	4,485.09	1/2	4,814.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,499.79	3/4	3,830.52	3/4	4,161.25	3/4	4,491.98	3/4	4,821.22	3/4		3/4		3/4		3/4		3/4	
10	3,506.68	10	3,837.41	10	4,168.14	10	4,498.87	10	4,828.07	10		10		10		10		10	
1/4	3,513.57	1/4	3,844.30	1/4	4,175.03	1/4	4,505.76	1/4	4,834.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,520.46	1/2	3,851.19	1/2	4,181.92	1/2	4,512.65	1/2	4,841.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,527.35	3/4	3,858.08	3/4	4,188.81	3/4	4,519.54	3/4	4,848.63	3/4		3/4		3/4		3/4		3/4	
11	3,534.24	11	3,864.97	11	4,195.70	11	4,526.43	11	4,855.48	11		11		11		11		11	
1/4	3,541.13	1/4	3,871.86	1/4	4,202.59	1/4	4,533.32	1/4	4,862.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,548.02	1/2	3,878.75	1/2	4,209.48	1/2	4,540.21	1/2	4,869.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,554.91	3/4	3,885.64	3/4	4,216.37	3/4	4,547.10	3/4	4,876.03	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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



BARGE "CTCO 253"

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	21.73	0	336.54	0	665.95	0	994.97	0	1,324.35	0	1,653.79	0	1,983.18	0	2,312.56	0	2,641.97	0	2,971.18
1/4	26.20	1/4	343.40	1/4	672.81	1/4	1,001.82	1/4	1,331.21	1/4	1,660.65	1/4	1,990.04	1/4	2,319.42	1/4	2,648.83	1/4	2,978.04
1/2	30.66	1/2	350.26	1/2	679.67	1/2	1,008.67	1/2	1,338.07	1/2	1,667.51	1/2	1,996.90	1/2	2,326.28	1/2	2,655.68	1/2	2,984.90
3/4	35.12	3/4	357.12	3/4	686.53	3/4	1,015.52	3/4	1,344.94	3/4	1,674.38	3/4	2,003.76	3/4	2,333.15	3/4	2,662.54	3/4	2,991.76
1	39.58	1	363.98	1	693.40	1	1,022.37	1	1,351.80	1	1,681.24	1	2,010.62	1	2,340.01	1	2,669.40	1	2,998.62
1/4	45.41	1/4	370.84	1/4	700.26	1/4	1,029.23	1/4	1,358.66	1/4	1,688.10	1/4	2,017.48	1/4	2,346.87	1/4	2,676.26	1/4	3,005.48
1/2	51.24	1/2	377.70	1/2	707.12	1/2	1,036.09	1/2	1,365.53	1/2	1,694.97	1/2	2,024.34	1/2	2,353.74	1/2	2,683.12	1/2	3,012.34
3/4	57.07	3/4	384.56	3/4	713.99	3/4	1,042.95	3/4	1,372.39	3/4	1,701.83	3/4	2,031.19	3/4	2,360.60	3/4	2,689.98	3/4	3,019.19
2	62.90	2	391.43	2	720.85	2	1,049.82	2	1,379.25	2	1,708.69	2	2,038.05	2	2,367.46	2	2,696.84	2	3,026.05
1/4	69.57	1/4	398.29	1/4	727.71	1/4	1,056.68	1/4	1,386.12	1/4	1,715.56	1/4	2,044.91	1/4	2,374.33	1/4	2,703.69	1/4	3,032.91
1/2	76.23	1/2	405.15	1/2	734.58	1/2	1,063.54	1/2	1,392.98	1/2	1,722.42	1/2	2,051.77	1/2	2,381.19	1/2	2,710.55	1/2	3,039.77
3/4	82.90	3/4	412.01	3/4	741.44	3/4	1,070.41	3/4	1,399.84	3/4	1,729.28	3/4	2,058.63	3/4	2,388.05	3/4	2,717.41	3/4	3,046.63
3	89.56	3	418.88	3	748.30	3	1,077.27	3	1,406.71	3	1,736.15	3	2,065.49	3	2,394.92	3	2,724.27	3	3,053.49
1/4	96.41	1/4	425.74	1/4	755.16	1/4	1,084.13	1/4	1,413.57	1/4	1,743.01	1/4	2,072.35	1/4	2,401.78	1/4	2,731.13	1/4	3,060.35
1/2	103.25	1/2	432.60	1/2	762.01	1/2	1,090.99	1/2	1,420.43	1/2	1,749.87	1/2	2,079.21	1/2	2,408.65	1/2	2,737.99	1/2	3,067.21
3/4	110.10	3/4	439.47	3/4	768.87	3/4	1,097.86	3/4	1,427.30	3/4	1,756.74	3/4	2,086.07	3/4	2,415.51	3/4	2,744.85	3/4	3,074.06
4	116.95	4	446.33	4	775.72	4	1,104.72	4	1,434.16	4	1,763.60	4	2,092.93	4	2,422.37	4	2,751.71	4	3,080.92
1/4	123.81	1/4	453.19	1/4	782.57	1/4	1,111.58	1/4	1,441.02	1/4	1,770.46	1/4	2,099.79	1/4	2,429.24	1/4	2,758.56	1/4	3,087.78
1/2	130.66	1/2	460.06	1/2	789.43	1/2	1,118.45	1/2	1,447.89	1/2	1,777.32	1/2	2,106.66	1/2	2,436.10	1/2	2,765.42	1/2	3,094.64
3/4	137.52	3/4	466.92	3/4	796.28	3/4	1,125.31	3/4	1,454.75	3/4	1,784.19	3/4	2,113.52	3/4	2,442.96	3/4	2,772.28	3/4	3,101.50
5	144.38	5	473.78	5	803.13	5	1,132.17	5	1,461.61	5	1,791.05	5	2,120.38	5	2,449.83	5	2,779.14	5	3,108.36
1/4	151.25	1/4	480.64	1/4	809.98	1/4	1,139.04	1/4	1,468.48	1/4	1,797.91	1/4	2,127.25	1/4	2,456.69	1/4	2,786.00	1/4	3,115.22
1/2	158.11	1/2	487.51	1/2	816.83	1/2	1,145.90	1/2	1,475.34	1/2	1,804.78	1/2	2,134.11	1/2	2,463.55	1/2	2,792.86	1/2	3,122.08
3/4	164.97	3/4	494.37	3/4	823.68	3/4	1,152.76	3/4	1,482.20	3/4	1,811.64	3/4	2,140.97	3/4	2,470.42	3/4	2,799.72	3/4	3,128.93
6	171.83	6	501.23	6	830.53	6	1,159.63	6	1,489.07	6	1,818.50	6	2,147.84	6	2,477.28	6	2,806.58	6	3,135.79
1/4	178.70	1/4	508.10	1/4	837.39	1/4	1,166.49	1/4	1,495.93	1/4	1,825.37	1/4	2,154.70	1/4	2,484.14	1/4	2,813.43	1/4	3,142.65
1/2	185.56	1/2	514.96	1/2	844.24	1/2	1,173.35	1/2	1,502.79	1/2	1,832.23	1/2	2,161.56	1/2	2,491.01	1/2	2,820.29	1/2	3,149.51
3/4	192.42	3/4	521.82	3/4	851.09	3/4	1,180.22	3/4	1,509.66	3/4	1,839.09	3/4	2,168.43	3/4	2,497.87	3/4	2,827.15	3/4	3,156.37
7	199.29	7	528.69	7	857.94	7	1,187.08	7	1,516.52	7	1,845.96	7	2,175.29	7	2,504.73	7	2,834.01	7	3,163.23
1/4	206.15	1/4	535.55	1/4	864.79	1/4	1,193.94	1/4	1,523.38	1/4	1,852.82	1/4	2,182.15	1/4	2,511.60	1/4	2,840.87	1/4	3,170.09
1/2	213.01	1/2	542.41	1/2	871.64	1/2	1,200.81	1/2	1,530.25	1/2	1,859.68	1/2	2,189.02	1/2	2,518.46	1/2	2,847.73	1/2	3,176.94
3/4	219.88	3/4	549.27	3/4	878.49	3/4	1,207.67	3/4	1,537.11	3/4	1,866.55	3/4	2,195.88	3/4	2,525.32	3/4	2,854.59	3/4	3,183.80
8	226.74	8	556.14	8	885.35	8	1,214.53	8	1,543.97	8	1,873.41	8	2,202.74	8	2,532.19	8	2,861.44	8	3,190.66
1/4	233.60	1/4	563.00	1/4	892.20	1/4	1,221.40	1/4	1,550.84	1/4	1,880.27	1/4	2,209.61	1/4	2,539.05	1/4	2,868.30	1/4	3,197.52
1/2	240.47	1/2	569.86	1/2	899.05	1/2	1,228.26	1/2	1,557.70	1/2	1,887.14	1/2	2,216.47	1/2	2,545.91	1/2	2,875.16	1/2	3,204.38
3/4	247.33	3/4	576.73	3/4	905.90	3/4	1,235.12	3/4	1,564.56	3/4	1,894.00	3/4	2,223.33	3/4	2,552.78	3/4	2,882.02	3/4	3,211.24
9	254.19	9	583.59	9	912.75	9	1,241.99	9	1,571.43	9	1,900.86	9	2,230.20	9	2,559.64	9	2,888.88	9	3,218.10
1/4	261.05	1/4	590.45	1/4	919.60	1/4	1,248.85	1/4	1,578.29	1/4	1,907.72	1/4	2,237.06	1/4	2,566.50	1/4	2,895.74	1/4	3,224.96
1/2	267.92	1/2	597.32	1/2	926.45	1/2	1,255.71	1/2	1,585.15	1/2	1,914.58	1/2	2,243.92	1/2	2,573.37	1/2	2,902.60	1/2	3,231.81
3/4	274.78	3/4	604.18	3/4	933.30	3/4	1,262.58	3/4	1,592.02	3/4	1,921.44	3/4	2,250.79	3/4	2,580.23	3/4	2,909.46	3/4	3,238.67
10	281.64	10	611.04	10	940.16	10	1,269.44	10	1,598.88	10	1,928.30	10	2,257.65	10	2,587.09	10	2,916.31	10	3,245.53
1/4	288.51	1/4	617.90	1/4	947.01	1/4	1,276.30	1/4	1,605.74	1/4	1,935.16	1/4	2,264.51	1/4	2,593.95	1/4	2,923.17	1/4	3,252.39
1/2	295.37	1/2	624.77	1/2	953.86	1/2	1,283.17	1/2	1,612.61	1/2	1,942.02	1/2	2,271.38	1/2	2,600.81	1/2	2,930.03	1/2	3,259.25
3/4	302.23	3/4	631.63	3/4	960.71	3/4	1,290.03	3/4	1,619.47	3/4	1,948.88	3/4	2,278.24	3/4	2,607.67	3/4	2,936.89	3/4	3,266.11
11	309.10	11	638.49	11	967.56	11	1,296.89	11	1,626.33	11	1,955.74	11	2,285.10	11	2,614.53	11	2,943.75	11	3,272.97
1/4	315.96	1/4	645.36	1/4	974.41	1/4	1,303.76	1/4	1,633.20	1/4	1,962.60	1/4	2,291.97	1/4	2,621.39	1/4	2,950.61	1/4	3,279.83
1/2	322.82	1/2	652.22	1/2	981.26	1/2	1,310.62	1/2	1,640.06	1/2	1,969.46	1/2	2,298.83	1/2	2,628.25	1/2	2,957.47	1/2	3,286.68
3/4	329.68	3/4	659.08	3/4	988.12	3/4	1,317.48	3/4	1,646.92	3/4	1,976.32	3/4	2,305.69	3/4	2,635.11	3/4	2,964.33	3/4	3,293.54

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCO 253"

3 PORT 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	3,300.40	0	3,611.05	0	3,812.90	0	4,014.46	0	4,208.36	0	4,389.49	0		0		0		0	
1/4	3,307.26	1/4	3,615.25	1/4	3,817.11	1/4	4,018.61	1/4	4,212.24	1/4	4,393.14	1/4		1/4		1/4		1/4	
1/2	3,314.12	1/2	3,619.46	1/2	3,821.31	1/2	4,022.75	1/2	4,216.13	1/2	4,396.79	1/2		1/2		1/2		1/2	
3/4	3,320.98	3/4	3,623.67	3/4	3,825.52	3/4	4,026.89	3/4	4,220.02	3/4	4,400.44	3/4		3/4		3/4		3/4	
1	3,327.84	1	3,627.87	1	3,829.72	1	4,031.04	1	4,223.91	1	4,404.09	1		1		1		1	
1/4	3,334.70	1/4	3,632.08	1/4	3,833.93	1/4	4,035.16	1/4	4,227.76	1/4	4,407.72	1/4		1/4		1/4		1/4	
1/2	3,341.55	1/2	3,636.28	1/2	3,838.14	1/2	4,039.29	1/2	4,231.62	1/2	4,411.35	1/2		1/2		1/2		1/2	
3/4	3,348.41	3/4	3,640.49	3/4	3,842.34	3/4	4,043.41	3/4	4,235.48	3/4	4,414.98	3/4		3/4		3/4		3/4	
2	3,355.27	2	3,644.69	2	3,846.55	2	4,047.54	2	4,239.34	2	4,418.61	2		2		2		2	
1/4	3,362.13	1/4	3,648.90	1/4	3,850.75	1/4	4,051.64	1/4	4,243.18	1/4	4,422.23	1/4		1/4		1/4		1/4	
1/2	3,368.99	1/2	3,653.10	1/2	3,854.96	1/2	4,055.75	1/2	4,247.02	1/2	4,425.84	1/2		1/2		1/2		1/2	
3/4	3,375.85	3/4	3,657.31	3/4	3,859.16	3/4	4,059.85	3/4	4,250.85	3/4	4,429.45	3/4		3/4		3/4		3/4	
3	3,382.71	3	3,661.51	3	3,863.37	3	4,063.96	3	4,254.69	3	4,433.06	3		3		3		3	
1/4	3,389.56	1/4	3,665.72	1/4	3,867.57	1/4	4,068.05	1/4	4,258.51	1/4	4,436.61	1/4		1/4		1/4		1/4	
1/2	3,396.42	1/2	3,669.92	1/2	3,871.78	1/2	4,072.13	1/2	4,262.33	1/2	4,440.16	1/2		1/2		1/2		1/2	
3/4	3,403.28	3/4	3,674.13	3/4	3,875.98	3/4	4,076.22	3/4	4,266.15	3/4	4,443.71	3/4		3/4		3/4		3/4	
4	3,410.14	4	3,678.33	4	3,880.19	4	4,080.31	4	4,269.97	4	4,447.27	4		4		4		4	
1/4	3,417.00	1/4	3,682.54	1/4	3,884.39	1/4	4,084.37	1/4	4,273.78	1/4	4,450.78	1/4		1/4		1/4		1/4	
1/2	3,423.86	1/2	3,686.74	1/2	3,888.60	1/2	4,088.44	1/2	4,277.58	1/2	4,454.30	1/2		1/2		1/2		1/2	
3/4	3,430.72	3/4	3,690.95	3/4	3,892.80	3/4	4,092.51	3/4	4,281.38	3/4	4,457.82	3/4		3/4		3/4		3/4	
5	3,437.58	5	3,695.16	5	3,897.01	5	4,096.58	5	4,285.18	5	4,461.34	5		5		5		5	
1/4	3,444.43	1/4	3,699.36	1/4	3,901.21	1/4	4,100.63	1/4	4,288.96	1/4	4,464.84	1/4		1/4		1/4		1/4	
1/2	3,451.29	1/2	3,703.57	1/2	3,905.42	1/2	4,104.68	1/2	4,292.74	1/2	4,468.34	1/2		1/2		1/2		1/2	
3/4	3,458.15	3/4	3,707.77	3/4	3,909.63	3/4	4,108.72	3/4	4,296.53	3/4	4,471.84	3/4		3/4		3/4		3/4	
6	3,465.01	6	3,711.98	6	3,913.83	6	4,112.77	6	4,300.31	6	4,475.34	6		6		6		6	
1/4	3,471.87	1/4	3,716.18	1/4	3,918.04	1/4	4,116.80	1/4	4,304.07	1/4	4,478.83	1/4		1/4		1/4		1/4	
1/2	3,478.73	1/2	3,720.39	1/2	3,922.24	1/2	4,120.83	1/2	4,307.84	1/2	4,482.31	1/2		1/2		1/2		1/2	
3/4	3,485.59	3/4	3,724.59	3/4	3,926.45	3/4	4,124.86	3/4	4,311.60	3/4	4,485.79	3/4		3/4		3/4		3/4	
7	3,492.45	7	3,728.80	7	3,930.65	7	4,128.89	7	4,315.36	7	4,489.27	7		7		7		7	
1/4	3,499.30	1/4	3,733.00	1/4	3,934.86	1/4	4,132.90	1/4	4,319.11	1/4	4,492.22	1/4		1/4		1/4		1/4	
1/2	3,506.16	1/2	3,737.21	1/2	3,939.06	1/2	4,136.92	1/2	4,322.85	1/2	4,495.17	1/2		1/2		1/2		1/2	
3/4	3,513.02	3/4	3,741.41	3/4	3,943.27	3/4	4,140.93	3/4	4,326.59	3/4	4,498.12	3/4		3/4		3/4		3/4	
8	3,519.88	8	3,745.62	8	3,947.47	8	4,144.94	8	4,330.34	8	4,501.06	8		8		8		8	
1/4	3,526.74	1/4	3,749.82	1/4	3,951.68	1/4	4,148.93	1/4	4,334.06	1/4	4,503.33	1/4		1/4		1/4		1/4	
1/2	3,533.60	1/2	3,754.03	1/2	3,955.88	1/2	4,152.92	1/2	4,337.79	1/2	4,505.59	1/2		1/2		1/2		1/2	
3/4	3,540.46	3/4	3,758.23	3/4	3,960.09	3/4	4,156.91	3/4	4,341.52	3/4		3/4		3/4		3/4		3/4	
9	3,547.31	9	3,762.44	9	3,964.29	9	4,160.91	9	4,345.24	9		9		9		9		9	
1/4	3,554.17	1/4	3,766.65	1/4	3,968.49	1/4	4,164.88	1/4	4,348.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,561.03	1/2	3,770.85	1/2	3,972.69	1/2	4,168.85	1/2	4,352.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,567.89	3/4	3,775.06	3/4	3,976.89	3/4	4,172.83	3/4	4,356.36	3/4		3/4		3/4		3/4		3/4	
10	3,574.75	10	3,779.26	10	3,981.08	10	4,176.80	10	4,360.07	10		10		10		10		10	
1/4	3,580.02	1/4	3,783.47	1/4	3,985.27	1/4	4,180.75	1/4	4,363.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,584.76	1/2	3,787.67	1/2	3,989.45	1/2	4,184.71	1/2	4,367.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,589.49	3/4	3,791.88	3/4	3,993.63	3/4	4,188.66	3/4	4,371.13	3/4		3/4		3/4		3/4		3/4	
11	3,594.23	11	3,796.08	11	3,997.81	11	4,192.62	11	4,374.82	11		11		11		11		11	
1/4	3,598.43	1/4	3,800.29	1/4	4,001.97	1/4	4,196.55	1/4	4,378.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,602.64	1/2	3,804.49	1/2	4,006.14	1/2	4,200.49	1/2	4,382.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,606.84	3/4	3,808.70	3/4	4,010.30	3/4	4,204.42	3/4	4,385.82	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

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



BARGE "CTCO 253"

3 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	21.75	0	336.68	0	665.84	0	981.15	0	1,306.20	0	1,634.78	0	1,963.36	0	2,292.11	0	2,620.89	0	2,949.48
1/4	26.22	1/4	343.54	1/4	672.69	1/4	987.65	1/4	1,313.04	1/4	1,641.62	1/4	1,970.20	1/4	2,298.96	1/4	2,627.73	1/4	2,956.30
1/2	30.68	1/2	350.41	1/2	679.54	1/2	994.14	1/2	1,319.89	1/2	1,648.47	1/2	1,977.05	1/2	2,305.81	1/2	2,634.58	1/2	2,963.11
3/4	35.14	3/4	357.27	3/4	686.40	3/4	1,000.64	3/4	1,326.74	3/4	1,655.31	3/4	1,983.89	3/4	2,312.66	3/4	2,641.43	3/4	2,969.93
1	39.60	1	364.13	1	693.25	1	1,007.14	1	1,333.58	1	1,662.16	1	1,990.74	1	2,319.51	1	2,648.27	1	2,976.75
1/4	45.44	1/4	371.00	1/4	700.07	1/4	1,013.63	1/4	1,340.43	1/4	1,669.01	1/4	1,997.58	1/4	2,326.36	1/4	2,655.12	1/4	2,983.56
1/2	51.27	1/2	377.86	1/2	706.89	1/2	1,020.13	1/2	1,347.27	1/2	1,675.85	1/2	2,004.43	1/2	2,333.21	1/2	2,661.96	1/2	2,990.37
3/4	57.11	3/4	384.73	3/4	713.71	3/4	1,026.63	3/4	1,354.12	3/4	1,682.70	3/4	2,011.28	3/4	2,340.06	3/4	2,668.81	3/4	2,997.18
2	62.94	2	391.59	2	720.53	2	1,033.12	2	1,360.96	2	1,689.54	2	2,018.12	2	2,346.91	2	2,675.65	2	3,003.99
1/4	69.61	1/4	398.46	1/4	727.12	1/4	1,039.84	1/4	1,367.81	1/4	1,696.39	1/4	2,024.97	1/4	2,353.76	1/4	2,682.50	1/4	3,010.80
1/2	76.27	1/2	405.32	1/2	733.70	1/2	1,046.55	1/2	1,374.65	1/2	1,703.23	1/2	2,031.81	1/2	2,360.61	1/2	2,689.34	1/2	3,017.61
3/4	82.94	3/4	412.19	3/4	740.29	3/4	1,053.27	3/4	1,381.50	3/4	1,710.08	3/4	2,038.66	3/4	2,367.46	3/4	2,696.19	3/4	3,024.42
3	89.61	3	419.05	3	746.87	3	1,059.98	3	1,388.34	3	1,716.92	3	2,045.50	3	2,374.31	3	2,703.04	3	3,031.23
1/4	96.46	1/4	425.92	1/4	753.38	1/4	1,066.81	1/4	1,395.19	1/4	1,723.77	1/4	2,052.35	1/4	2,381.16	1/4	2,709.88	1/4	3,038.04
1/2	103.31	1/2	432.78	1/2	759.89	1/2	1,073.63	1/2	1,402.03	1/2	1,730.61	1/2	2,059.20	1/2	2,388.01	1/2	2,716.73	1/2	3,044.85
3/4	110.16	3/4	439.64	3/4	766.40	3/4	1,080.45	3/4	1,408.88	3/4	1,737.46	3/4	2,066.05	3/4	2,394.86	3/4	2,723.57	3/4	3,051.65
4	117.00	4	446.50	4	772.91	4	1,087.27	4	1,415.73	4	1,744.30	4	2,072.90	4	2,401.71	4	2,730.42	4	3,058.46
1/4	123.87	1/4	453.36	1/4	779.42	1/4	1,094.10	1/4	1,422.57	1/4	1,751.15	1/4	2,079.75	1/4	2,408.56	1/4	2,737.26	1/4	3,065.27
1/2	130.73	1/2	460.21	1/2	785.93	1/2	1,100.93	1/2	1,429.42	1/2	1,758.00	1/2	2,086.60	1/2	2,415.41	1/2	2,744.11	1/2	3,072.08
3/4	137.59	3/4	467.07	3/4	792.45	3/4	1,107.76	3/4	1,436.26	3/4	1,764.84	3/4	2,093.45	3/4	2,422.26	3/4	2,750.95	3/4	3,078.89
5	144.45	5	473.92	5	798.96	5	1,114.60	5	1,443.11	5	1,771.69	5	2,100.30	5	2,429.11	5	2,757.80	5	3,085.70
1/4	151.32	1/4	480.78	1/4	805.47	1/4	1,121.43	1/4	1,449.95	1/4	1,778.53	1/4	2,107.15	1/4	2,435.96	1/4	2,764.65	1/4	3,092.51
1/2	158.18	1/2	487.63	1/2	811.98	1/2	1,128.26	1/2	1,456.80	1/2	1,785.38	1/2	2,114.00	1/2	2,442.81	1/2	2,771.49	1/2	3,099.32
3/4	165.05	3/4	494.48	3/4	818.49	3/4	1,135.09	3/4	1,463.64	3/4	1,792.22	3/4	2,120.85	3/4	2,449.66	3/4	2,778.34	3/4	3,106.13
6	171.92	6	501.34	6	825.00	6	1,141.92	6	1,470.49	6	1,799.07	6	2,127.70	6	2,456.51	6	2,785.18	6	3,112.94
1/4	178.78	1/4	508.19	1/4	831.51	1/4	1,148.77	1/4	1,477.33	1/4	1,805.91	1/4	2,134.55	1/4	2,463.36	1/4	2,792.03	1/4	3,119.78
1/2	185.65	1/2	515.05	1/2	838.02	1/2	1,155.61	1/2	1,484.18	1/2	1,812.76	1/2	2,141.40	1/2	2,470.21	1/2	2,798.87	1/2	3,126.61
3/4	192.51	3/4	521.90	3/4	844.53	3/4	1,162.45	3/4	1,491.02	3/4	1,819.60	3/4	2,148.25	3/4	2,477.06	3/4	2,805.72	3/4	3,133.45
7	199.38	7	528.75	7	851.04	7	1,169.29	7	1,497.87	7	1,826.45	7	2,155.10	7	2,483.91	7	2,812.57	7	3,140.29
1/4	206.25	1/4	535.61	1/4	857.55	1/4	1,176.14	1/4	1,504.72	1/4	1,833.29	1/4	2,161.95	1/4	2,490.76	1/4	2,819.41	1/4	3,147.13
1/2	213.11	1/2	542.46	1/2	864.06	1/2	1,182.98	1/2	1,511.56	1/2	1,840.14	1/2	2,168.80	1/2	2,497.61	1/2	2,826.26	1/2	3,153.98
3/4	219.98	3/4	549.32	3/4	870.57	3/4	1,189.83	3/4	1,518.41	3/4	1,846.99	3/4	2,175.65	3/4	2,504.46	3/4	2,833.10	3/4	3,160.82
8	226.84	8	556.17	8	877.08	8	1,196.67	8	1,525.25	8	1,853.83	8	2,182.50	8	2,511.31	8	2,839.95	8	3,167.67
1/4	233.71	1/4	563.02	1/4	883.60	1/4	1,203.52	1/4	1,532.10	1/4	1,860.68	1/4	2,189.35	1/4	2,518.16	1/4	2,846.79	1/4	3,174.52
1/2	240.57	1/2	569.88	1/2	890.11	1/2	1,210.36	1/2	1,538.94	1/2	1,867.52	1/2	2,196.20	1/2	2,525.01	1/2	2,853.64	1/2	3,181.36
3/4	247.44	3/4	576.73	3/4	896.62	3/4	1,217.21	3/4	1,545.79	3/4	1,874.37	3/4	2,203.05	3/4	2,531.86	3/4	2,860.48	3/4	3,188.21
9	254.31	9	583.59	9	903.13	9	1,224.05	9	1,552.63	9	1,881.21	9	2,209.91	9	2,538.71	9	2,867.33	9	3,195.05
1/4	261.17	1/4	590.44	1/4	909.64	1/4	1,230.90	1/4	1,559.48	1/4	1,888.06	1/4	2,216.76	1/4	2,545.56	1/4	2,874.18	1/4	3,201.90
1/2	268.04	1/2	597.30	1/2	916.15	1/2	1,237.75	1/2	1,566.32	1/2	1,894.90	1/2	2,223.61	1/2	2,552.42	1/2	2,881.02	1/2	3,208.74
3/4	274.90	3/4	604.15	3/4	922.66	3/4	1,244.59	3/4	1,573.17	3/4	1,901.75	3/4	2,230.46	3/4	2,559.27	3/4	2,887.87	3/4	3,215.59
10	281.77	10	611.00	10	929.17	10	1,251.44	10	1,580.02	10	1,908.59	10	2,237.31	10	2,566.12	10	2,894.71	10	3,222.43
1/4	288.64	1/4	617.86	1/4	935.67	1/4	1,258.28	1/4	1,586.86	1/4	1,915.44	1/4	2,244.16	1/4	2,572.96	1/4	2,901.56	1/4	3,229.28
1/2	295.50	1/2	624.71	1/2	942.17	1/2	1,265.13	1/2	1,593.71	1/2	1,922.29	1/2	2,251.01	1/2	2,579.81	1/2	2,908.40	1/2	3,236.13
3/4	302.37	3/4	631.57	3/4	948.67	3/4	1,271.97	3/4	1,600.55	3/4	1,929.13	3/4	2,257.86	3/4	2,586.66	3/4	2,915.25	3/4	3,242.97
11	309.23	11	638.42	11	955.17	11	1,278.82	11	1,607.40	11	1,935.98	11	2,264.71	11	2,593.51	11	2,922.09	11	3,249.82
1/4	316.09	1/4	645.27	1/4	961.66	1/4	1,285.66	1/4	1,614.24	1/4	1,942.82	1/4	2,271.56	1/4	2,600.35	1/4	2,928.94	1/4	3,256.66
1/2	322.96	1/2	652.13	1/2	968.16	1/2	1,292.51	1/2	1,621.09	1/2	1,949.67	1/2	2,278.41	1/2	2,607.20	1/2	2,935.79	1/2	3,263.51
3/4	329.82	3/4	658.98	3/4	974.65	3/4	1,299.35	3/4	1,627.93	3/4	1,956.51	3/4	2,285.26	3/4	2,614.04	3/4	2,942.63	3/4	3,270.35

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'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCO 253"

3 STBD 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	3,277.20	0	3,587.50	0	3,789.43	0	3,991.06	0	4,185.03	0	4,366.23	0		0		0		0	
1/4	3,284.04	1/4	3,591.71	1/4	3,793.64	1/4	3,995.21	1/4	4,188.92	1/4	4,369.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,290.89	1/2	3,595.92	1/2	3,797.84	1/2	3,999.35	1/2	4,192.81	1/2	4,373.53	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,297.74	3/4	3,600.12	3/4	3,802.05	3/4	4,003.50	3/4	4,196.69	3/4	4,377.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,304.58	1	3,604.33	1	3,806.26	1	4,007.64	1	4,200.58	1	4,380.83	1	1	1	1	1	1	1	1
1/4	3,311.43	1/4	3,608.54	1/4	3,810.46	1/4	4,011.77	1/4	4,204.44	1/4	4,384.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,318.27	1/2	3,612.74	1/2	3,814.67	1/2	4,015.90	1/2	4,208.30	1/2	4,388.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,325.12	3/4	3,616.95	3/4	3,818.88	3/4	4,020.02	3/4	4,212.16	3/4	4,391.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,331.96	2	3,621.16	2	3,823.08	2	4,024.15	2	4,216.02	2	4,395.36	2	2	2	2	2	2	2	2
1/4	3,338.81	1/4	3,625.36	1/4	3,827.29	1/4	4,028.26	1/4	4,219.86	1/4	4,398.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,345.66	1/2	3,629.57	1/2	3,831.50	1/2	4,032.36	1/2	4,223.70	1/2	4,402.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,352.50	3/4	3,633.78	3/4	3,835.70	3/4	4,036.47	3/4	4,227.54	3/4	4,406.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,359.35	3	3,637.99	3	3,839.91	3	4,040.58	3	4,231.38	3	4,409.81	3	3	3	3	3	3	3	3
1/4	3,366.19	1/4	3,642.19	1/4	3,844.12	1/4	4,044.67	1/4	4,235.20	1/4	4,413.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,373.04	1/2	3,646.40	1/2	3,848.33	1/2	4,048.75	1/2	4,239.03	1/2	4,416.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,379.88	3/4	3,650.61	3/4	3,852.53	3/4	4,052.84	3/4	4,242.85	3/4	4,420.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,386.73	4	3,654.81	4	3,856.74	4	4,056.93	4	4,246.67	4	4,424.03	4	4	4	4	4	4	4	4
1/4	3,393.57	1/4	3,659.02	1/4	3,860.95	1/4	4,061.00	1/4	4,250.47	1/4	4,427.54	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,400.42	1/2	3,663.23	1/2	3,865.15	1/2	4,065.07	1/2	4,254.27	1/2	4,431.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,407.27	3/4	3,667.43	3/4	3,869.36	3/4	4,069.14	3/4	4,258.08	3/4	4,434.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,414.11	5	3,671.64	5	3,873.57	5	4,073.21	5	4,261.88	5	4,438.10	5	5	5	5	5	5	5	5
1/4	3,420.96	1/4	3,675.85	1/4	3,877.77	1/4	4,077.26	1/4	4,265.66	1/4	4,441.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,427.80	1/2	3,680.05	1/2	3,881.98	1/2	4,081.31	1/2	4,269.45	1/2	4,445.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,434.65	3/4	3,684.26	3/4	3,886.19	3/4	4,085.36	3/4	4,273.23	3/4	4,448.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,441.49	6	3,688.47	6	3,890.39	6	4,089.41	6	4,277.01	6	4,452.11	6	6	6	6	6	6	6	6
1/4	3,448.34	1/4	3,692.67	1/4	3,894.60	1/4	4,093.44	1/4	4,280.78	1/4	4,455.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,455.18	1/2	3,696.88	1/2	3,898.81	1/2	4,097.47	1/2	4,284.54	1/2	4,459.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,462.03	3/4	3,701.09	3/4	3,903.01	3/4	4,101.51	3/4	4,288.31	3/4	4,462.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,468.88	7	3,705.29	7	3,907.22	7	4,105.54	7	4,292.07	7	4,466.05	7	7	7	7	7	7	7	7
1/4	3,475.73	1/4	3,709.50	1/4	3,911.43	1/4	4,109.55	1/4	4,295.82	1/4	4,469.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,482.59	1/2	3,713.71	1/2	3,915.63	1/2	4,113.56	1/2	4,299.56	1/2	4,471.95	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,489.45	3/4	3,717.91	3/4	3,919.84	3/4	4,117.57	3/4	4,303.31	3/4	4,474.89	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,496.30	8	3,722.12	8	3,924.05	8	4,121.59	8	4,307.06	8	4,477.84	8	8	8	8	8	8	8	8
1/4	3,503.17	1/4	3,726.33	1/4	3,928.25	1/4	4,125.58	1/4	4,310.78	1/4	4,480.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,510.03	1/2	3,730.53	1/2	3,932.46	1/2	4,129.57	1/2	4,314.51	1/2	4,482.37	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,516.89	3/4	3,734.74	3/4	3,936.67	3/4	4,133.57	3/4	4,318.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,523.75	9	3,738.95	9	3,940.87	9	4,137.56	9	4,321.96	9		9	9	9	9	9	9	9	9
1/4	3,530.61	1/4	3,743.16	1/4	3,945.07	1/4	4,141.54	1/4	4,325.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,537.47	1/2	3,747.36	1/2	3,949.27	1/2	4,145.51	1/2	4,329.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,544.33	3/4	3,751.57	3/4	3,953.47	3/4	4,149.49	3/4	4,333.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,551.19	10	3,755.78	10	3,957.67	10	4,153.46	10	4,336.79	10	10	10	10	10	10	10	10	10	10
1/4	3,556.46	1/4	3,759.98	1/4	3,961.86	1/4	4,157.42	1/4	4,340.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,561.20	1/2	3,764.19	1/2	3,966.04	1/2	4,161.37	1/2	4,344.17	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,565.94	3/4	3,768.40	3/4	3,970.22	3/4	4,165.33	3/4	4,347.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,570.68	11	3,772.60	11	3,974.41	11	4,169.28	11	4,351.55	11	11	11	11	11	11	11	11	11	11
1/4	3,574.88	1/4	3,776.81	1/4	3,978.57	1/4	4,173.22	1/4	4,355.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,579.09	1/2	3,781.02	1/2	3,982.73	1/2	4,177.16	1/2	4,358.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,583.30	3/4	3,785.22	3/4	3,986.90	3/4	4,181.09	3/4	4,362.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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