



BARGE "CTCO 324"

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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
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	00-3/8	- 00-3/8
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	00-3/8	- 00-3/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8

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

LENGTH BETWEEN DRAFT MARKS: 236'-09"

January 18, 2014

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCO 324"

1 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	23.00	0	322.87	0	678.88	0	1,043.69	0	1,409.73	0	1,776.26	0	2,136.57	0	2,503.03	0	2,869.50	0	3,235.82
1/4	26.88	1/4	329.85	1/4	686.52	1/4	1,051.29	1/4	1,417.36	1/4	1,783.90	1/4	2,144.20	1/4	2,510.67	1/4	2,877.13	1/4	3,243.45
1/2	30.76	1/2	336.84	1/2	694.15	1/2	1,058.88	1/2	1,425.00	1/2	1,791.53	1/2	2,151.84	1/2	2,518.30	1/2	2,884.77	1/2	3,251.08
3/4	34.65	3/4	343.82	3/4	701.79	3/4	1,066.47	3/4	1,432.64	3/4	1,799.17	3/4	2,159.47	3/4	2,525.94	3/4	2,892.40	3/4	3,258.72
1	39.94	1	350.90	1	709.42	1	1,074.07	1	1,440.27	1	1,806.81	1	2,167.11	1	2,533.57	1	2,900.04	1	3,266.35
1/4	45.24	1/4	357.97	1/4	717.06	1/4	1,081.66	1/4	1,447.91	1/4	1,814.44	1/4	2,174.74	1/4	2,541.21	1/4	2,907.67	1/4	3,273.98
1/2	50.54	1/2	365.04	1/2	724.70	1/2	1,089.26	1/2	1,455.54	1/2	1,822.08	1/2	2,182.38	1/2	2,548.84	1/2	2,915.31	1/2	3,281.61
3/4	55.83	3/4	372.11	3/4	732.33	3/4	1,096.85	3/4	1,463.18	3/4	1,829.71	3/4	2,190.01	3/4	2,556.48	3/4	2,922.94	3/4	3,289.24
2	61.91	2	379.27	2	739.97	2	1,104.46	2	1,470.82	2	1,837.35	2	2,197.65	2	2,564.11	2	2,930.58	2	3,296.87
1/4	67.98	1/4	386.43	1/4	747.60	1/4	1,112.07	1/4	1,478.45	1/4	1,844.99	1/4	2,205.28	1/4	2,571.75	1/4	2,938.21	1/4	3,304.50
1/2	74.06	1/2	393.59	1/2	755.24	1/2	1,119.67	1/2	1,486.09	1/2	1,852.62	1/2	2,212.92	1/2	2,579.38	1/2	2,945.85	1/2	3,312.13
3/4	80.14	3/4	400.75	3/4	762.87	3/4	1,127.28	3/4	1,493.73	3/4	1,860.26	3/4	2,220.55	3/4	2,587.02	3/4	2,953.48	3/4	3,319.76
3	86.32	3	408.00	3	770.50	3	1,134.89	3	1,501.36	3	1,867.89	3	2,228.19	3	2,594.65	3	2,961.11	3	3,327.39
1/4	92.51	1/4	415.24	1/4	778.12	1/4	1,142.51	1/4	1,509.00	1/4	1,875.51	1/4	2,235.82	1/4	2,602.29	1/4	2,968.75	1/4	3,335.02
1/2	98.69	1/2	422.49	1/2	785.74	1/2	1,150.12	1/2	1,516.63	1/2	1,883.14	1/2	2,243.45	1/2	2,609.92	1/2	2,976.38	1/2	3,342.65
3/4	104.88	3/4	429.73	3/4	793.37	3/4	1,157.74	3/4	1,524.27	3/4	1,890.77	3/4	2,251.09	3/4	2,617.56	3/4	2,984.01	3/4	3,350.28
4	111.16	4	437.07	4	800.95	4	1,165.37	4	1,531.91	4	1,898.37	4	2,258.72	4	2,625.19	4	2,991.64	4	3,357.91
1/4	117.44	1/4	444.40	1/4	808.54	1/4	1,173.01	1/4	1,539.54	1/4	1,905.97	1/4	2,266.36	1/4	2,632.82	1/4	2,999.28	1/4	3,365.54
1/2	123.72	1/2	451.73	1/2	816.12	1/2	1,180.64	1/2	1,547.18	1/2	1,913.57	1/2	2,273.99	1/2	2,640.46	1/2	3,006.91	1/2	3,373.17
3/4	130.00	3/4	459.06	3/4	823.71	3/4	1,188.28	3/4	1,554.81	3/4	1,921.17	3/4	2,281.63	3/4	2,648.09	3/4	3,014.54	3/4	3,380.81
5	136.38	5	466.48	5	831.29	5	1,195.92	5	1,562.45	5	1,928.77	5	2,289.26	5	2,655.73	5	3,022.17	5	3,388.44
1/4	142.75	1/4	473.90	1/4	838.88	1/4	1,203.55	1/4	1,570.09	1/4	1,936.37	1/4	2,296.90	1/4	2,663.36	1/4	3,029.80	1/4	3,396.07
1/2	149.13	1/2	481.32	1/2	846.46	1/2	1,211.19	1/2	1,577.72	1/2	1,943.97	1/2	2,304.53	1/2	2,671.00	1/2	3,037.43	1/2	3,403.70
3/4	155.50	3/4	488.74	3/4	854.05	3/4	1,218.83	3/4	1,585.36	3/4	1,951.57	3/4	2,312.17	3/4	2,678.63	3/4	3,045.06	3/4	3,411.33
6	161.97	6	496.25	6	861.63	6	1,226.46	6	1,592.99	6	1,959.00	6	2,319.80	6	2,686.27	6	3,052.69	6	3,418.96
1/4	168.43	1/4	503.75	1/4	869.22	1/4	1,234.10	1/4	1,600.63	1/4	1,966.43	1/4	2,327.44	1/4	2,693.90	1/4	3,060.32	1/4	3,426.59
1/2	174.90	1/2	511.26	1/2	876.81	1/2	1,241.73	1/2	1,608.27	1/2	1,973.86	1/2	2,335.07	1/2	2,701.54	1/2	3,067.95	1/2	3,434.22
3/4	181.37	3/4	518.76	3/4	884.39	3/4	1,249.37	3/4	1,615.90	3/4	1,981.29	3/4	2,342.71	3/4	2,709.17	3/4	3,075.58	3/4	3,441.85
7	187.92	7	526.35	7	891.98	7	1,257.01	7	1,623.54	7	1,988.20	7	2,350.34	7	2,716.81	7	3,083.21	7	3,449.48
1/4	194.47	1/4	533.93	1/4	899.56	1/4	1,264.64	1/4	1,631.17	1/4	1,995.12	1/4	2,357.98	1/4	2,724.44	1/4	3,090.84	1/4	3,457.11
1/2	201.02	1/2	541.52	1/2	907.15	1/2	1,272.28	1/2	1,638.81	1/2	2,002.03	1/2	2,365.61	1/2	2,732.08	1/2	3,098.47	1/2	3,464.74
3/4	207.58	3/4	549.10	3/4	914.73	3/4	1,279.91	3/4	1,646.45	3/4	2,008.94	3/4	2,373.24	3/4	2,739.71	3/4	3,106.10	3/4	3,472.37
8	214.21	8	556.73	8	922.32	8	1,287.55	8	1,654.08	8	2,016.04	8	2,380.88	8	2,747.34	8	3,113.73	8	3,480.00
1/4	220.85	1/4	564.36	1/4	929.90	1/4	1,295.19	1/4	1,661.72	1/4	2,023.13	1/4	2,388.51	1/4	2,754.98	1/4	3,121.36	1/4	3,487.63
1/2	227.49	1/2	571.99	1/2	937.49	1/2	1,302.82	1/2	1,669.36	1/2	2,030.22	1/2	2,396.15	1/2	2,762.61	1/2	3,129.00	1/2	3,495.26
3/4	234.13	3/4	579.61	3/4	945.07	3/4	1,310.46	3/4	1,676.99	3/4	2,037.32	3/4	2,403.78	3/4	2,770.25	3/4	3,136.63	3/4	3,502.89
9	240.86	9	587.25	9	952.66	9	1,318.09	9	1,684.63	9	2,044.95	9	2,411.42	9	2,777.88	9	3,144.26	9	3,510.52
1/4	247.58	1/4	594.88	1/4	960.24	1/4	1,325.73	1/4	1,692.26	1/4	2,052.59	1/4	2,419.05	1/4	2,785.52	1/4	3,151.89	1/4	3,518.15
1/2	254.31	1/2	602.52	1/2	967.83	1/2	1,333.37	1/2	1,699.90	1/2	2,060.22	1/2	2,426.69	1/2	2,793.15	1/2	3,159.52	1/2	3,525.78
3/4	261.04	3/4	610.16	3/4	975.41	3/4	1,341.00	3/4	1,707.54	3/4	2,067.86	3/4	2,434.32	3/4	2,800.79	3/4	3,167.15	3/4	3,533.41
10	267.85	10	617.79	10	983.00	10	1,348.64	10	1,715.17	10	2,075.49	10	2,441.96	10	2,808.42	10	3,174.78	10	3,541.03
1/4	274.66	1/4	625.43	1/4	990.58	1/4	1,356.28	1/4	1,722.81	1/4	2,083.13	1/4	2,449.59	1/4	2,816.06	1/4	3,182.41	1/4	3,548.65
1/2	281.47	1/2	633.06	1/2	998.17	1/2	1,363.91	1/2	1,730.44	1/2	2,090.76	1/2	2,457.23	1/2	2,823.69	1/2	3,190.04	1/2	3,556.27
3/4	288.28	3/4	640.70	3/4	1,005.75	3/4	1,371.55	3/4	1,738.08	3/4	2,098.40	3/4	2,464.86	3/4	2,831.33	3/4	3,197.67	3/4	3,563.88
11	295.18	11	648.34	11	1,013.34	11	1,379.18	11	1,745.72	11	2,106.03	11	2,472.50	11	2,838.96	11	3,205.30	11	3,571.50
1/4	302.08	1/4	655.97	1/4	1,020.93	1/4	1,386.82	1/4	1,753.35	1/4	2,113.66	1/4	2,480.13	1/4	2,846.60	1/4	3,212.93	1/4	3,579.12
1/2	308.98	1/2	663.61	1/2	1,028.51	1/2	1,394.46	1/2	1,760.99	1/2	2,121.30	1/2	2,487.77	1/2	2,854.23	1/2	3,220.56	1/2	3,586.74
3/4	315.88	3/4	671.24	3/4	1,036.10	3/4	1,402.09	3/4	1,768.62	3/4	2,128.93	3/4	2,495.40	3/4	2,861.87	3/4	3,228.19	3/4	3,594.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTCO 324"

1 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,601.98	0	3,967.69	0	4,330.56	0	4,674.74	0	5,007.18	0		0		0		0		0	
1/4	3,609.60	1/4	3,975.31	1/4	4,337.95	1/4	4,681.69	1/4	5,014.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,617.22	1/2	3,982.93	1/2	4,345.34	1/2	4,688.63	1/2	5,022.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,624.84	3/4	3,990.55	3/4	4,352.72	3/4	4,695.58	3/4	5,029.87	3/4		3/4		3/4		3/4		3/4	
1	3,632.46	1	3,998.17	1	4,360.08	1	4,702.48	1	5,037.24	1		1		1		1		1	
1/4	3,640.07	1/4	4,005.79	1/4	4,367.43	1/4	4,709.38	1/4	5,044.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,647.69	1/2	4,013.41	1/2	4,374.79	1/2	4,716.28	1/2	5,051.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,655.31	3/4	4,021.02	3/4	4,382.14	3/4	4,723.18	3/4	5,059.36	3/4		3/4		3/4		3/4		3/4	
2	3,662.93	2	4,028.64	2	4,389.45	2	4,730.02	2	5,065.78	2		2		2		2		2	
1/4	3,670.55	1/4	4,036.26	1/4	4,396.77	1/4	4,736.86	1/4	5,072.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,678.17	1/2	4,043.88	1/2	4,404.08	1/2	4,743.69	1/2	5,078.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,685.79	3/4	4,051.50	3/4	4,411.40	3/4	4,750.53	3/4	5,085.04	3/4		3/4		3/4		3/4		3/4	
3	3,693.41	3	4,059.12	3	4,418.66	3	4,757.34	3		3		3		3		3		3	
1/4	3,701.03	1/4	4,066.74	1/4	4,425.92	1/4	4,764.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,708.65	1/2	4,074.36	1/2	4,433.19	1/2	4,770.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,716.26	3/4	4,081.98	3/4	4,440.45	3/4	4,777.75	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,723.88	4	4,089.60	4	4,447.67	4	4,784.52	4		4		4		4		4		4	
1/4	3,731.50	1/4	4,097.21	1/4	4,454.90	1/4	4,791.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,739.12	1/2	4,104.83	1/2	4,462.12	1/2	4,798.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,746.74	3/4	4,112.45	3/4	4,469.34	3/4	4,804.83	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,754.36	5	4,120.07	5	4,476.53	5	4,811.57	5		5		5		5		5		5	
1/4	3,761.98	1/4	4,127.68	1/4	4,483.72	1/4	4,818.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,769.60	1/2	4,135.30	1/2	4,490.91	1/2	4,825.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,777.22	3/4	4,142.92	3/4	4,498.10	3/4	4,831.78	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,784.84	6	4,150.51	6	4,505.25	6	4,838.48	6		6		6		6		6		6	
1/4	3,792.45	1/4	4,158.11	1/4	4,512.41	1/4	4,845.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,800.07	1/2	4,165.71	1/2	4,519.56	1/2	4,851.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,807.69	3/4	4,173.31	3/4	4,526.72	3/4	4,858.58	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,815.31	7	4,180.87	7	4,533.84	7	4,865.24	7		7		7		7		7		7	
1/4	3,822.93	1/4	4,188.44	1/4	4,540.96	1/4	4,871.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,830.55	1/2	4,196.00	1/2	4,548.08	1/2	4,878.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,838.17	3/4	4,203.57	3/4	4,555.21	3/4	4,885.23	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,845.79	8	4,211.10	8	4,562.29	8	4,891.86	8		8		8		8		8		8	
1/4	3,853.41	1/4	4,218.63	1/4	4,569.38	1/4	4,898.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,861.03	1/2	4,226.16	1/2	4,576.47	1/2	4,905.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,868.64	3/4	4,233.69	3/4	4,583.56	3/4	4,911.75	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,876.26	9	4,241.18	9	4,590.61	9	4,918.60	9		9		9		9		9		9	
1/4	3,883.88	1/4	4,248.68	1/4	4,597.67	1/4	4,925.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,891.50	1/2	4,256.17	1/2	4,604.72	1/2	4,932.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,899.12	3/4	4,263.67	3/4	4,611.78	3/4	4,939.13	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,906.74	10	4,271.12	10	4,618.80	10	4,946.69	10		10		10		10		10		10	
1/4	3,914.36	1/4	4,278.58	1/4	4,625.82	1/4	4,954.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,921.98	1/2	4,286.03	1/2	4,632.84	1/2	4,961.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,929.60	3/4	4,293.49	3/4	4,639.86	3/4	4,969.38	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,937.22	11	4,300.91	11	4,646.84	11	4,976.94	11		11		11		11		11		11	
1/4	3,944.83	1/4	4,308.33	1/4	4,653.83	1/4	4,984.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,952.45	1/2	4,315.75	1/2	4,660.81	1/2	4,992.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,960.07	3/4	4,323.17	3/4	4,667.80	3/4	4,999.62	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/16/2014 CL
RECALCULATED: 02/07/2014 CL
PRINTED: 02/07/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2014

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



BARGE "CTCO 324"

1 STBD

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	23.00	0	322.59	0	678.02	0	1,043.57	0	1,409.55	0	1,775.56	0	2,135.35	0	2,501.29	0	2,867.23	0	3,233.04
1/4	26.88	1/4	329.56	1/4	685.65	1/4	1,051.19	1/4	1,417.17	1/4	1,783.19	1/4	2,142.97	1/4	2,508.91	1/4	2,874.86	1/4	3,240.66
1/2	30.77	1/2	336.54	1/2	693.27	1/2	1,058.81	1/2	1,424.80	1/2	1,790.81	1/2	2,150.59	1/2	2,516.54	1/2	2,882.48	1/2	3,248.28
3/4	34.65	3/4	343.51	3/4	700.90	3/4	1,066.43	3/4	1,432.43	3/4	1,798.44	3/4	2,158.22	3/4	2,524.16	3/4	2,890.10	3/4	3,255.90
1	39.95	1	350.57	1	708.52	1	1,074.05	1	1,440.05	1	1,806.07	1	2,165.84	1	2,531.78	1	2,897.73	1	3,263.52
1/4	45.25	1/4	357.64	1/4	716.15	1/4	1,081.67	1/4	1,447.68	1/4	1,813.69	1/4	2,173.47	1/4	2,539.41	1/4	2,905.35	1/4	3,271.14
1/2	50.54	1/2	364.70	1/2	723.77	1/2	1,089.29	1/2	1,455.30	1/2	1,821.32	1/2	2,181.09	1/2	2,547.03	1/2	2,912.97	1/2	3,278.76
3/4	55.84	3/4	371.76	3/4	731.40	3/4	1,096.91	3/4	1,462.93	3/4	1,828.94	3/4	2,188.71	3/4	2,554.66	3/4	2,920.60	3/4	3,286.38
2	61.92	2	378.91	2	739.02	2	1,104.54	2	1,470.55	2	1,836.57	2	2,196.34	2	2,562.28	2	2,928.22	2	3,294.00
1/4	67.99	1/4	386.06	1/4	746.65	1/4	1,112.16	1/4	1,478.18	1/4	1,844.19	1/4	2,203.96	1/4	2,569.90	1/4	2,935.85	1/4	3,301.62
1/2	74.07	1/2	393.20	1/2	754.27	1/2	1,119.79	1/2	1,485.80	1/2	1,851.82	1/2	2,211.58	1/2	2,577.53	1/2	2,943.47	1/2	3,309.24
3/4	80.15	3/4	400.35	3/4	761.90	3/4	1,127.41	3/4	1,493.43	3/4	1,859.44	3/4	2,219.21	3/4	2,585.15	3/4	2,951.09	3/4	3,316.86
3	86.34	3	407.59	3	769.52	3	1,135.04	3	1,501.05	3	1,867.06	3	2,226.83	3	2,592.77	3	2,958.72	3	3,324.48
1/4	92.52	1/4	414.82	1/4	777.14	1/4	1,142.66	1/4	1,508.68	1/4	1,874.67	1/4	2,234.46	1/4	2,600.40	1/4	2,966.34	1/4	3,332.10
1/2	98.71	1/2	422.06	1/2	784.76	1/2	1,150.29	1/2	1,516.30	1/2	1,882.29	1/2	2,242.08	1/2	2,608.02	1/2	2,973.96	1/2	3,339.72
3/4	104.90	3/4	429.29	3/4	792.38	3/4	1,157.91	3/4	1,523.93	3/4	1,889.91	3/4	2,249.70	3/4	2,615.65	3/4	2,981.59	3/4	3,347.34
4	111.18	4	436.61	4	800.00	4	1,165.54	4	1,531.55	4	1,897.50	4	2,257.33	4	2,623.27	4	2,989.21	4	3,354.96
1/4	117.46	1/4	443.94	1/4	807.61	1/4	1,173.17	1/4	1,539.18	1/4	1,905.08	1/4	2,264.95	1/4	2,630.89	1/4	2,996.83	1/4	3,362.58
1/2	123.74	1/2	451.26	1/2	815.22	1/2	1,180.79	1/2	1,546.80	1/2	1,912.67	1/2	2,272.58	1/2	2,638.52	1/2	3,004.45	1/2	3,370.20
3/4	130.02	3/4	458.58	3/4	822.83	3/4	1,188.42	3/4	1,554.43	3/4	1,920.26	3/4	2,280.20	3/4	2,646.14	3/4	3,012.07	3/4	3,377.82
5	136.39	5	465.99	5	830.44	5	1,196.04	5	1,562.06	5	1,927.85	5	2,287.82	5	2,653.77	5	3,019.69	5	3,385.44
1/4	142.75	1/4	473.40	1/4	838.05	1/4	1,203.67	1/4	1,569.68	1/4	1,935.44	1/4	2,295.45	1/4	2,661.39	1/4	3,027.31	1/4	3,393.06
1/2	149.12	1/2	480.81	1/2	845.66	1/2	1,211.29	1/2	1,577.31	1/2	1,943.03	1/2	2,303.07	1/2	2,669.01	1/2	3,034.93	1/2	3,400.68
3/4	155.49	3/4	488.21	3/4	853.28	3/4	1,218.92	3/4	1,584.93	3/4	1,950.62	3/4	2,310.69	3/4	2,676.64	3/4	3,042.55	3/4	3,408.30
6	161.95	6	495.71	6	860.89	6	1,226.54	6	1,592.56	6	1,958.04	6	2,318.32	6	2,684.26	6	3,050.17	6	3,415.92
1/4	168.40	1/4	503.20	1/4	868.50	1/4	1,234.17	1/4	1,600.18	1/4	1,965.46	1/4	2,325.94	1/4	2,691.88	1/4	3,057.79	1/4	3,423.54
1/2	174.86	1/2	510.69	1/2	876.11	1/2	1,241.79	1/2	1,607.81	1/2	1,972.88	1/2	2,333.57	1/2	2,699.51	1/2	3,065.41	1/2	3,431.16
3/4	181.31	3/4	518.19	3/4	883.72	3/4	1,249.42	3/4	1,615.43	3/4	1,980.30	3/4	2,341.19	3/4	2,707.13	3/4	3,073.03	3/4	3,438.78
7	187.85	7	525.75	7	891.33	7	1,257.04	7	1,623.06	7	1,987.20	7	2,348.81	7	2,714.76	7	3,080.65	7	3,446.40
1/4	194.39	1/4	533.32	1/4	898.94	1/4	1,264.67	1/4	1,630.68	1/4	1,994.10	1/4	2,356.44	1/4	2,722.38	1/4	3,088.26	1/4	3,454.02
1/2	200.94	1/2	540.88	1/2	906.55	1/2	1,272.29	1/2	1,638.31	1/2	2,001.00	1/2	2,364.06	1/2	2,730.00	1/2	3,095.88	1/2	3,461.64
3/4	207.48	3/4	548.45	3/4	914.17	3/4	1,279.92	3/4	1,645.93	3/4	2,007.91	3/4	2,371.68	3/4	2,737.63	3/4	3,103.50	3/4	3,469.25
8	214.11	8	556.06	8	921.78	8	1,287.54	8	1,653.56	8	2,014.99	8	2,379.31	8	2,745.25	8	3,111.12	8	3,476.87
1/4	220.73	1/4	563.67	1/4	929.39	1/4	1,295.17	1/4	1,661.18	1/4	2,022.07	1/4	2,386.93	1/4	2,752.87	1/4	3,118.74	1/4	3,484.49
1/2	227.36	1/2	571.28	1/2	937.00	1/2	1,302.80	1/2	1,668.81	1/2	2,029.15	1/2	2,394.56	1/2	2,760.50	1/2	3,126.36	1/2	3,492.11
3/4	233.99	3/4	578.90	3/4	944.61	3/4	1,310.42	3/4	1,676.43	3/4	2,036.24	3/4	2,402.18	3/4	2,768.12	3/4	3,133.98	3/4	3,499.73
9	240.71	9	586.52	9	952.22	9	1,318.05	9	1,684.06	9	2,043.86	9	2,409.80	9	2,775.75	9	3,141.60	9	3,507.35
1/4	247.42	1/4	594.15	1/4	959.83	1/4	1,325.67	1/4	1,691.69	1/4	2,051.48	1/4	2,417.43	1/4	2,783.37	1/4	3,149.22	1/4	3,514.97
1/2	254.14	1/2	601.77	1/2	967.45	1/2	1,333.30	1/2	1,699.31	1/2	2,059.11	1/2	2,425.05	1/2	2,790.99	1/2	3,156.84	1/2	3,522.59
3/4	260.85	3/4	609.40	3/4	975.06	3/4	1,340.92	3/4	1,706.94	3/4	2,066.73	3/4	2,432.67	3/4	2,798.62	3/4	3,164.46	3/4	3,530.21
10	267.65	10	617.02	10	982.67	10	1,348.55	10	1,714.56	10	2,074.36	10	2,440.30	10	2,806.24	10	3,172.08	10	3,537.83
1/4	274.45	1/4	624.65	1/4	990.28	1/4	1,356.17	1/4	1,722.19	1/4	2,081.98	1/4	2,447.92	1/4	2,813.86	1/4	3,179.70	1/4	3,545.45
1/2	281.26	1/2	632.27	1/2	997.89	1/2	1,363.80	1/2	1,729.81	1/2	2,089.60	1/2	2,455.55	1/2	2,821.49	1/2	3,187.32	1/2	3,553.07
3/4	288.06	3/4	639.90	3/4	1,005.50	3/4	1,371.42	3/4	1,737.44	3/4	2,097.23	3/4	2,463.17	3/4	2,829.11	3/4	3,194.94	3/4	3,560.69
11	294.95	11	647.52	11	1,013.12	11	1,379.05	11	1,745.06	11	2,104.85	11	2,470.79	11	2,836.74	11	3,202.56	11	3,568.31
1/4	301.83	1/4	655.15	1/4	1,020.73	1/4	1,386.67	1/4	1,752.69	1/4	2,112.48	1/4	2,478.42	1/4	2,844.36	1/4	3,210.18	1/4	3,575.93
1/2	308.72	1/2	662.77	1/2	1,028.34	1/2	1,394.30	1/2	1,760.31	1/2	2,120.10	1/2	2,486.04	1/2	2,851.98	1/2	3,217.80	1/2	3,583.55
3/4	315.61	3/4	670.40	3/4	1,035.96	3/4	1,401.92	3/4	1,767.94	3/4	2,127.72	3/4	2,493.67	3/4	2,859.61	3/4	3,225.42	3/4	3,591.17

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" 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 324"

1 STBD INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,598.79	0	3,964.54	0	4,327.45	0	4,671.67	0	5,004.15	0		0		0		0		0	
1/4	3,606.41	1/4	3,972.16	1/4	4,334.84	1/4	4,678.61	1/4	5,011.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,614.03	1/2	3,979.78	1/2	4,342.23	1/2	4,685.56	1/2	5,019.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,621.65	3/4	3,987.40	3/4	4,349.61	3/4	4,692.51	3/4	5,026.84	3/4		3/4		3/4		3/4		3/4	
1	3,629.27	1	3,995.02	1	4,356.97	1	4,699.41	1	5,034.21	1		1		1		1		1	
1/4	3,636.89	1/4	4,002.64	1/4	4,364.32	1/4	4,706.31	1/4	5,041.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,644.51	1/2	4,010.26	1/2	4,371.68	1/2	4,713.21	1/2	5,048.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,652.13	3/4	4,017.88	3/4	4,379.03	3/4	4,720.11	3/4	5,056.33	3/4		3/4		3/4		3/4		3/4	
2	3,659.75	2	4,025.50	2	4,386.35	2	4,726.95	2	5,062.75	2		2		2		2		2	
1/4	3,667.37	1/4	4,033.12	1/4	4,393.66	1/4	4,733.79	1/4	5,069.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,674.99	1/2	4,040.74	1/2	4,400.98	1/2	4,740.63	1/2	5,075.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,682.61	3/4	4,048.36	3/4	4,408.30	3/4	4,747.47	3/4	5,082.00	3/4		3/4		3/4		3/4		3/4	
3	3,690.23	3	4,055.98	3	4,415.56	3	4,754.27	3		3		3		3		3		3	
1/4	3,697.85	1/4	4,063.60	1/4	4,422.82	1/4	4,761.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,705.47	1/2	4,071.22	1/2	4,430.09	1/2	4,767.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,713.09	3/4	4,078.84	3/4	4,437.35	3/4	4,774.69	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,720.71	4	4,086.46	4	4,444.57	4	4,781.46	4		4		4		4		4		4	
1/4	3,728.33	1/4	4,094.08	1/4	4,451.80	1/4	4,788.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,735.95	1/2	4,101.70	1/2	4,459.02	1/2	4,795.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.57	3/4	4,109.32	3/4	4,466.25	3/4	4,801.77	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,751.19	5	4,116.93	5	4,473.44	5	4,808.51	5		5		5		5		5		5	
1/4	3,758.81	1/4	4,124.55	1/4	4,480.63	1/4	4,815.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,766.43	1/2	4,132.17	1/2	4,487.82	1/2	4,821.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,774.05	3/4	4,139.78	3/4	4,495.00	3/4	4,828.72	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,781.67	6	4,147.38	6	4,502.16	6	4,835.42	6		6		6		6		6		6	
1/4	3,789.29	1/4	4,154.98	1/4	4,509.32	1/4	4,842.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,796.91	1/2	4,162.58	1/2	4,516.47	1/2	4,848.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,804.53	3/4	4,170.18	3/4	4,523.63	3/4	4,855.53	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,812.15	7	4,177.75	7	4,530.75	7	4,862.19	7		7		7		7		7		7	
1/4	3,819.77	1/4	4,185.31	1/4	4,537.87	1/4	4,868.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,827.39	1/2	4,192.88	1/2	4,545.00	1/2	4,875.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,835.01	3/4	4,200.44	3/4	4,552.12	3/4	4,882.18	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,842.63	8	4,207.97	8	4,559.21	8	4,888.81	8		8		8		8		8		8	
1/4	3,850.24	1/4	4,215.50	1/4	4,566.30	1/4	4,895.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,857.86	1/2	4,223.04	1/2	4,573.39	1/2	4,902.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,865.48	3/4	4,230.57	3/4	4,580.47	3/4	4,908.71	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,873.10	9	4,238.06	9	4,587.53	9	4,915.55	9		9		9		9		9		9	
1/4	3,880.72	1/4	4,245.56	1/4	4,594.58	1/4	4,922.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,888.34	1/2	4,253.06	1/2	4,601.64	1/2	4,929.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,895.96	3/4	4,260.55	3/4	4,608.69	3/4	4,936.09	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,903.58	10	4,268.01	10	4,615.72	10	4,943.65	10		10		10		10		10		10	
1/4	3,911.20	1/4	4,275.46	1/4	4,622.74	1/4	4,951.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,918.82	1/2	4,282.92	1/2	4,629.76	1/2	4,958.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,926.44	3/4	4,290.37	3/4	4,636.78	3/4	4,966.34	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,934.06	11	4,297.80	11	4,643.77	11	4,973.90	11		11		11		11		11		11	
1/4	3,941.68	1/4	4,305.22	1/4	4,650.75	1/4	4,981.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,949.30	1/2	4,312.64	1/2	4,657.74	1/2	4,989.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,956.92	3/4	4,320.06	3/4	4,664.72	3/4	4,996.59	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/16/2014 CL
RECALCULATED: 02/07/2014 CL
PRINTED: 02/07/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2014

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



BARGE "CTCO 324"

2 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	24.10	0	358.44	0	702.38	0	1,036.00	0	1,375.90	0	1,719.85	0	2,057.91	0	2,401.80	0	2,745.68	0	3,089.41
1/4	29.03	1/4	365.61	1/4	709.55	1/4	1,042.86	1/4	1,383.06	1/4	1,727.01	1/4	2,065.08	1/4	2,408.96	1/4	2,752.84	1/4	3,096.57
1/2	33.95	1/2	372.78	1/2	716.71	1/2	1,049.73	1/2	1,390.23	1/2	1,734.18	1/2	2,072.24	1/2	2,416.12	1/2	2,760.01	1/2	3,103.73
3/4	38.88	3/4	379.94	3/4	723.88	3/4	1,056.60	3/4	1,397.40	3/4	1,741.34	3/4	2,079.41	3/4	2,423.29	3/4	2,767.17	3/4	3,110.89
1	45.36	1	387.11	1	731.05	1	1,063.47	1	1,404.56	1	1,748.51	1	2,086.57	1	2,430.45	1	2,774.33	1	3,118.05
1/4	51.85	1/4	394.27	1/4	738.21	1/4	1,070.35	1/4	1,411.73	1/4	1,755.68	1/4	2,093.74	1/4	2,437.62	1/4	2,781.50	1/4	3,125.21
1/2	58.33	1/2	401.44	1/2	745.38	1/2	1,077.22	1/2	1,418.89	1/2	1,762.84	1/2	2,100.90	1/2	2,444.78	1/2	2,788.66	1/2	3,132.37
3/4	64.81	3/4	408.60	3/4	752.54	3/4	1,084.09	3/4	1,426.06	3/4	1,770.01	3/4	2,108.06	3/4	2,451.95	3/4	2,795.83	3/4	3,139.53
2	71.95	2	415.77	2	759.71	2	1,090.97	2	1,433.22	2	1,777.17	2	2,115.23	2	2,459.11	2	2,802.99	2	3,146.70
1/4	79.09	1/4	422.93	1/4	766.87	1/4	1,097.86	1/4	1,440.39	1/4	1,784.34	1/4	2,122.39	1/4	2,466.27	1/4	2,810.16	1/4	3,153.86
1/2	86.22	1/2	430.10	1/2	774.04	1/2	1,104.74	1/2	1,447.56	1/2	1,791.50	1/2	2,129.56	1/2	2,473.44	1/2	2,817.32	1/2	3,161.02
3/4	93.36	3/4	437.26	3/4	781.20	3/4	1,111.62	3/4	1,454.72	3/4	1,798.67	3/4	2,136.72	3/4	2,480.60	3/4	2,824.48	3/4	3,168.18
3	100.52	3	444.43	3	788.29	3	1,118.57	3	1,461.89	3	1,805.83	3	2,143.89	3	2,487.77	3	2,831.65	3	3,175.34
1/4	107.68	1/4	451.59	1/4	795.38	1/4	1,125.53	1/4	1,469.05	1/4	1,812.98	1/4	2,151.05	1/4	2,494.93	1/4	2,838.81	1/4	3,182.50
1/2	114.83	1/2	458.76	1/2	802.47	1/2	1,132.48	1/2	1,476.22	1/2	1,820.14	1/2	2,158.21	1/2	2,502.10	1/2	2,845.97	1/2	3,189.66
3/4	121.99	3/4	465.93	3/4	809.56	3/4	1,139.43	3/4	1,483.38	3/4	1,827.30	3/4	2,165.38	3/4	2,509.26	3/4	2,853.13	3/4	3,196.82
4	129.15	4	473.09	4	816.42	4	1,146.60	4	1,490.55	4	1,834.43	4	2,172.54	4	2,516.42	4	2,860.29	4	3,203.98
1/4	136.32	1/4	480.26	1/4	823.28	1/4	1,153.77	1/4	1,497.71	1/4	1,841.56	1/4	2,179.71	1/4	2,523.59	1/4	2,867.45	1/4	3,211.14
1/2	143.48	1/2	487.42	1/2	830.14	1/2	1,160.93	1/2	1,504.88	1/2	1,848.69	1/2	2,186.87	1/2	2,530.75	1/2	2,874.61	1/2	3,218.30
3/4	150.65	3/4	494.59	3/4	837.00	3/4	1,168.10	3/4	1,512.05	3/4	1,855.82	3/4	2,194.03	3/4	2,537.92	3/4	2,881.77	3/4	3,225.46
5	157.81	5	501.75	5	843.86	5	1,175.26	5	1,519.21	5	1,862.95	5	2,201.20	5	2,545.08	5	2,888.93	5	3,232.62
1/4	164.98	1/4	508.92	1/4	850.73	1/4	1,182.43	1/4	1,526.38	1/4	1,870.08	1/4	2,208.36	1/4	2,552.24	1/4	2,896.09	1/4	3,239.78
1/2	172.14	1/2	516.08	1/2	857.59	1/2	1,189.59	1/2	1,533.54	1/2	1,877.21	1/2	2,215.53	1/2	2,559.41	1/2	2,903.25	1/2	3,246.94
3/4	179.31	3/4	523.25	3/4	864.45	3/4	1,196.76	3/4	1,540.71	3/4	1,884.34	3/4	2,222.69	3/4	2,566.57	3/4	2,910.41	3/4	3,254.10
6	186.47	6	530.41	6	871.31	6	1,203.92	6	1,547.87	6	1,891.31	6	2,229.86	6	2,573.74	6	2,917.57	6	3,261.26
1/4	193.64	1/4	537.58	1/4	878.17	1/4	1,211.09	1/4	1,555.04	1/4	1,898.28	1/4	2,237.02	1/4	2,580.90	1/4	2,924.73	1/4	3,268.42
1/2	200.81	1/2	544.74	1/2	885.03	1/2	1,218.26	1/2	1,562.20	1/2	1,905.24	1/2	2,244.18	1/2	2,588.07	1/2	2,931.89	1/2	3,275.58
3/4	207.97	3/4	551.91	3/4	891.89	3/4	1,225.42	3/4	1,569.37	3/4	1,912.21	3/4	2,251.35	3/4	2,595.23	3/4	2,939.05	3/4	3,282.74
7	215.14	7	559.08	7	898.75	7	1,232.59	7	1,576.54	7	1,918.70	7	2,258.51	7	2,602.39	7	2,946.21	7	3,289.90
1/4	222.30	1/4	566.24	1/4	905.62	1/4	1,239.75	1/4	1,583.70	1/4	1,925.19	1/4	2,265.68	1/4	2,609.56	1/4	2,953.37	1/4	3,297.06
1/2	229.47	1/2	573.41	1/2	912.48	1/2	1,246.92	1/2	1,590.87	1/2	1,931.67	1/2	2,272.84	1/2	2,616.72	1/2	2,960.53	1/2	3,304.22
3/4	236.63	3/4	580.57	3/4	919.34	3/4	1,254.08	3/4	1,598.03	3/4	1,938.16	3/4	2,280.00	3/4	2,623.89	3/4	2,967.69	3/4	3,311.38
8	243.80	8	587.74	8	926.20	8	1,261.25	8	1,605.20	8	1,944.81	8	2,287.17	8	2,631.05	8	2,974.85	8	3,318.54
1/4	250.96	1/4	594.90	1/4	933.06	1/4	1,268.42	1/4	1,612.36	1/4	1,951.47	1/4	2,294.33	1/4	2,638.21	1/4	2,982.01	1/4	3,325.70
1/2	258.13	1/2	602.07	1/2	939.92	1/2	1,275.58	1/2	1,619.53	1/2	1,958.12	1/2	2,301.50	1/2	2,645.38	1/2	2,989.17	1/2	3,332.86
3/4	265.29	3/4	609.23	3/4	946.78	3/4	1,282.75	3/4	1,626.70	3/4	1,964.78	3/4	2,308.66	3/4	2,652.54	3/4	2,996.33	3/4	3,340.02
9	272.46	9	616.40	9	953.65	9	1,289.91	9	1,633.86	9	1,971.94	9	2,315.83	9	2,659.71	9	3,003.49	9	3,347.18
1/4	279.62	1/4	623.56	1/4	960.51	1/4	1,297.08	1/4	1,641.03	1/4	1,979.11	1/4	2,322.99	1/4	2,666.87	1/4	3,010.65	1/4	3,354.34
1/2	286.79	1/2	630.73	1/2	967.37	1/2	1,304.24	1/2	1,648.19	1/2	1,986.27	1/2	2,330.15	1/2	2,674.04	1/2	3,017.81	1/2	3,361.50
3/4	293.96	3/4	637.89	3/4	974.23	3/4	1,311.41	3/4	1,655.36	3/4	1,993.44	3/4	2,337.32	3/4	2,681.20	3/4	3,024.97	3/4	3,368.66
10	301.12	10	645.06	10	981.09	10	1,318.57	10	1,662.52	10	2,000.60	10	2,344.48	10	2,688.36	10	3,032.13	10	3,375.82
1/4	308.29	1/4	652.23	1/4	987.95	1/4	1,325.74	1/4	1,669.69	1/4	2,007.77	1/4	2,351.65	1/4	2,695.53	1/4	3,039.29	1/4	3,382.98
1/2	315.45	1/2	659.39	1/2	994.81	1/2	1,332.91	1/2	1,676.85	1/2	2,014.93	1/2	2,358.81	1/2	2,702.69	1/2	3,046.45	1/2	3,390.14
3/4	322.62	3/4	666.56	3/4	1,001.67	3/4	1,340.07	3/4	1,684.02	3/4	2,022.09	3/4	2,365.98	3/4	2,709.86	3/4	3,053.61	3/4	3,397.30
11	329.78	11	673.72	11	1,008.54	11	1,347.24	11	1,691.19	11	2,029.26	11	2,373.14	11	2,717.02	11	3,060.77	11	3,404.46
1/4	336.95	1/4	680.89	1/4	1,015.40	1/4	1,354.40	1/4	1,698.35	1/4	2,036.42	1/4	2,380.30	1/4	2,724.19	1/4	3,067.93	1/4	3,411.62
1/2	344.11	1/2	688.05	1/2	1,022.26	1/2	1,361.57	1/2	1,705.52	1/2	2,043.59	1/2	2,387.47	1/2	2,731.35	1/2	3,075.09	1/2	3,418.78
3/4	351.28	3/4	695.22	3/4	1,029.13	3/4	1,368.73	3/4	1,712.68	3/4	2,050.75	3/4	2,394.63	3/4	2,738.51	3/4	3,082.25	3/4	3,425.94

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTCO 324"

2 PORT INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,433.10	0	3,776.78	0	4,117.80	0	4,441.19	0	4,753.44	0		0		0		0		0	
1/4	3,440.26	1/4	3,783.94	1/4	4,124.74	1/4	4,447.72	1/4	4,760.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,447.42	1/2	3,791.10	1/2	4,131.69	1/2	4,454.24	1/2	4,767.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,454.58	3/4	3,798.26	3/4	4,138.63	3/4	4,460.77	3/4	4,774.75	3/4		3/4		3/4		3/4		3/4	
1	3,461.74	1	3,805.42	1	4,145.54	1	4,467.25	1	4,781.68	1		1		1		1		1	
1/4	3,468.90	1/4	3,812.58	1/4	4,152.45	1/4	4,473.74	1/4	4,788.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,476.06	1/2	3,819.74	1/2	4,159.36	1/2	4,480.22	1/2	4,795.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,483.22	3/4	3,826.90	3/4	4,166.27	3/4	4,486.70	3/4	4,802.45	3/4		3/4		3/4		3/4		3/4	
2	3,490.38	2	3,834.06	2	4,173.15	2	4,493.12	2	4,808.48	2		2		2		2		2	
1/4	3,497.54	1/4	3,841.22	1/4	4,180.02	1/4	4,499.55	1/4	4,814.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,504.70	1/2	3,848.38	1/2	4,186.89	1/2	4,505.97	1/2	4,820.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,511.86	3/4	3,855.54	3/4	4,193.77	3/4	4,512.39	3/4	4,826.57	3/4		3/4		3/4		3/4		3/4	
3	3,519.02	3	3,862.71	3	4,200.59	3	4,518.78	3		3		3		3		3		3	
1/4	3,526.18	1/4	3,869.87	1/4	4,207.42	1/4	4,525.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,533.34	1/2	3,877.03	1/2	4,214.24	1/2	4,531.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,540.50	3/4	3,884.19	3/4	4,221.06	3/4	4,537.95	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,547.66	4	3,891.35	4	4,227.85	4	4,544.31	4		4		4		4		4		4	
1/4	3,554.82	1/4	3,898.51	1/4	4,234.64	1/4	4,550.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,561.98	1/2	3,905.67	1/2	4,241.42	1/2	4,557.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,569.14	3/4	3,912.83	3/4	4,248.21	3/4	4,563.38	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,576.30	5	3,919.98	5	4,254.96	5	4,569.71	5		5		5		5		5		5	
1/4	3,583.46	1/4	3,927.14	1/4	4,261.72	1/4	4,576.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,590.62	1/2	3,934.30	1/2	4,268.47	1/2	4,582.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,597.78	3/4	3,941.46	3/4	4,275.23	3/4	4,588.69	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,604.94	6	3,948.60	6	4,281.95	6	4,594.99	6		6		6		6		6		6	
1/4	3,612.10	1/4	3,955.74	1/4	4,288.67	1/4	4,601.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,619.26	1/2	3,962.88	1/2	4,295.40	1/2	4,607.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,626.42	3/4	3,970.02	3/4	4,302.12	3/4	4,613.87	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,633.58	7	3,977.13	7	4,308.81	7	4,620.12	7		7		7		7		7		7	
1/4	3,640.74	1/4	3,984.24	1/4	4,315.50	1/4	4,626.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,647.90	1/2	3,991.35	1/2	4,322.19	1/2	4,632.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,655.06	3/4	3,998.46	3/4	4,328.88	3/4	4,638.89	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,662.22	8	4,005.53	8	4,335.54	8	4,645.12	8		8		8		8		8		8	
1/4	3,669.38	1/4	4,012.61	1/4	4,342.20	1/4	4,651.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,676.54	1/2	4,019.69	1/2	4,348.86	1/2	4,657.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,683.70	3/4	4,026.76	3/4	4,355.52	3/4	4,663.80	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,690.86	9	4,033.81	9	4,362.15	9	4,670.23	9		9		9		9		9		9	
1/4	3,698.02	1/4	4,040.85	1/4	4,368.78	1/4	4,676.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,705.18	1/2	4,047.89	1/2	4,375.41	1/2	4,683.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,712.34	3/4	4,054.94	3/4	4,382.03	3/4	4,689.52	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,719.50	10	4,061.94	10	4,388.63	10	4,696.62	10		10		10		10		10		10	
1/4	3,726.66	1/4	4,068.95	1/4	4,395.23	1/4	4,703.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,733.82	1/2	4,075.96	1/2	4,401.82	1/2	4,710.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,740.98	3/4	4,082.96	3/4	4,408.42	3/4	4,717.93	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,748.14	11	4,089.94	11	4,414.98	11	4,725.03	11		11		11		11		11		11	
1/4	3,755.30	1/4	4,096.91	1/4	4,421.54	1/4	4,732.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,762.46	1/2	4,103.88	1/2	4,428.11	1/2	4,739.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,769.62	3/4	4,110.86	3/4	4,434.67	3/4	4,746.34	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/16/2014 CL
RECALCULATED: 02/07/2014 CL
PRINTED: 02/07/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2014

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



BARGE "CTCO 324"

2 STBD

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	24.12	0	358.76	0	703.00	0	1,046.83	0	1,391.05	0	1,735.30	0	2,073.67	0	2,417.86	0	2,762.04	0	3,106.09
1/4	29.05	1/4	365.93	1/4	710.17	1/4	1,053.99	1/4	1,398.22	1/4	1,742.47	1/4	2,080.84	1/4	2,425.03	1/4	2,769.21	1/4	3,113.26
1/2	33.98	1/2	373.10	1/2	717.35	1/2	1,061.16	1/2	1,405.39	1/2	1,749.64	1/2	2,088.01	1/2	2,432.20	1/2	2,776.38	1/2	3,120.42
3/4	38.91	3/4	380.28	3/4	724.52	3/4	1,068.33	3/4	1,412.56	3/4	1,756.81	3/4	2,095.18	3/4	2,439.37	3/4	2,783.55	3/4	3,127.59
1	45.40	1	387.45	1	731.69	1	1,075.50	1	1,419.73	1	1,763.99	1	2,102.35	1	2,446.54	1	2,790.72	1	3,134.75
1/4	51.89	1/4	394.62	1/4	738.86	1/4	1,082.66	1/4	1,426.91	1/4	1,771.16	1/4	2,109.53	1/4	2,453.71	1/4	2,797.89	1/4	3,141.92
1/2	58.38	1/2	401.79	1/2	746.03	1/2	1,089.83	1/2	1,434.08	1/2	1,778.33	1/2	2,116.70	1/2	2,460.88	1/2	2,805.06	1/2	3,149.09
3/4	64.87	3/4	408.96	3/4	753.20	3/4	1,097.00	3/4	1,441.25	3/4	1,785.50	3/4	2,123.87	3/4	2,468.05	3/4	2,812.23	3/4	3,156.25
2	72.01	2	416.13	2	760.38	2	1,104.17	2	1,448.42	2	1,792.67	2	2,131.04	2	2,475.22	2	2,819.40	2	3,163.42
1/4	79.16	1/4	423.31	1/4	767.55	1/4	1,111.34	1/4	1,455.59	1/4	1,799.84	1/4	2,138.21	1/4	2,482.39	1/4	2,826.58	1/4	3,170.59
1/2	86.30	1/2	430.48	1/2	774.72	1/2	1,118.51	1/2	1,462.77	1/2	1,807.02	1/2	2,145.38	1/2	2,489.56	1/2	2,833.75	1/2	3,177.75
3/4	93.44	3/4	437.65	3/4	781.89	3/4	1,125.69	3/4	1,469.94	3/4	1,814.19	3/4	2,152.55	3/4	2,496.73	3/4	2,840.92	3/4	3,184.92
3	100.61	3	444.82	3	789.06	3	1,132.86	3	1,477.11	3	1,821.35	3	2,159.72	3	2,503.90	3	2,848.09	3	3,192.09
1/4	107.77	1/4	451.99	1/4	796.23	1/4	1,140.03	1/4	1,484.28	1/4	1,828.52	1/4	2,166.89	1/4	2,511.07	1/4	2,855.26	1/4	3,199.25
1/2	114.93	1/2	459.16	1/2	803.40	1/2	1,147.20	1/2	1,491.45	1/2	1,835.68	1/2	2,174.06	1/2	2,518.24	1/2	2,862.42	1/2	3,206.42
3/4	122.10	3/4	466.34	3/4	810.57	3/4	1,154.37	3/4	1,498.62	3/4	1,842.85	3/4	2,181.23	3/4	2,525.41	3/4	2,869.59	3/4	3,213.59
4	129.27	4	473.51	4	817.73	4	1,161.55	4	1,505.80	4	1,849.98	4	2,188.40	4	2,532.58	4	2,876.76	4	3,220.75
1/4	136.44	1/4	480.68	1/4	824.88	1/4	1,168.72	1/4	1,512.97	1/4	1,857.12	1/4	2,195.57	1/4	2,539.76	1/4	2,883.93	1/4	3,227.92
1/2	143.61	1/2	487.85	1/2	832.04	1/2	1,175.89	1/2	1,520.14	1/2	1,864.25	1/2	2,202.74	1/2	2,546.93	1/2	2,891.09	1/2	3,235.09
3/4	150.78	3/4	495.02	3/4	839.20	3/4	1,183.06	3/4	1,527.31	3/4	1,871.39	3/4	2,209.91	3/4	2,554.10	3/4	2,898.26	3/4	3,242.25
5	157.95	5	502.19	5	846.36	5	1,190.23	5	1,534.48	5	1,878.53	5	2,217.08	5	2,561.27	5	2,905.43	5	3,249.42
1/4	165.12	1/4	509.37	1/4	853.52	1/4	1,197.41	1/4	1,541.66	1/4	1,885.66	1/4	2,224.25	1/4	2,568.44	1/4	2,912.59	1/4	3,256.59
1/2	172.30	1/2	516.54	1/2	860.68	1/2	1,204.58	1/2	1,548.83	1/2	1,892.80	1/2	2,231.42	1/2	2,575.61	1/2	2,919.76	1/2	3,263.75
3/4	179.47	3/4	523.71	3/4	867.84	3/4	1,211.75	3/4	1,556.00	3/4	1,899.94	3/4	2,238.59	3/4	2,582.78	3/4	2,926.93	3/4	3,270.92
6	186.64	6	530.88	6	875.00	6	1,218.92	6	1,563.17	6	1,906.91	6	2,245.76	6	2,589.95	6	2,934.09	6	3,278.08
1/4	193.81	1/4	538.05	1/4	882.16	1/4	1,226.09	1/4	1,570.34	1/4	1,913.89	1/4	2,252.94	1/4	2,597.12	1/4	2,941.26	1/4	3,285.25
1/2	200.98	1/2	545.22	1/2	889.32	1/2	1,233.26	1/2	1,577.52	1/2	1,920.86	1/2	2,260.11	1/2	2,604.29	1/2	2,948.43	1/2	3,292.42
3/4	208.15	3/4	552.40	3/4	896.47	3/4	1,240.44	3/4	1,584.69	3/4	1,927.84	3/4	2,267.28	3/4	2,611.46	3/4	2,955.59	3/4	3,299.58
7	215.33	7	559.57	7	903.63	7	1,247.61	7	1,591.86	7	1,934.33	7	2,274.45	7	2,618.63	7	2,962.76	7	3,306.75
1/4	222.50	1/4	566.74	1/4	910.79	1/4	1,254.78	1/4	1,599.03	1/4	1,940.82	1/4	2,281.62	1/4	2,625.80	1/4	2,969.93	1/4	3,313.92
1/2	229.67	1/2	573.91	1/2	917.95	1/2	1,261.95	1/2	1,606.20	1/2	1,947.32	1/2	2,288.79	1/2	2,632.97	1/2	2,977.09	1/2	3,321.08
3/4	236.84	3/4	581.08	3/4	925.11	3/4	1,269.12	3/4	1,613.38	3/4	1,953.81	3/4	2,295.96	3/4	2,640.14	3/4	2,984.26	3/4	3,328.25
8	244.01	8	588.25	8	932.27	8	1,276.30	8	1,620.55	8	1,960.47	8	2,303.13	8	2,647.31	8	2,991.42	8	3,335.42
1/4	251.18	1/4	595.43	1/4	939.43	1/4	1,283.47	1/4	1,627.72	1/4	1,967.13	1/4	2,310.30	1/4	2,654.48	1/4	2,998.59	1/4	3,342.58
1/2	258.36	1/2	602.60	1/2	946.59	1/2	1,290.64	1/2	1,634.89	1/2	1,973.79	1/2	2,317.47	1/2	2,661.65	1/2	3,005.76	1/2	3,349.75
3/4	265.53	3/4	609.77	3/4	953.75	3/4	1,297.81	3/4	1,642.06	3/4	1,980.46	3/4	2,324.64	3/4	2,668.82	3/4	3,012.92	3/4	3,356.92
9	272.70	9	616.94	9	960.91	9	1,304.98	9	1,649.23	9	1,987.63	9	2,331.81	9	2,675.99	9	3,020.09	9	3,364.08
1/4	279.87	1/4	624.11	1/4	968.06	1/4	1,312.16	1/4	1,656.41	1/4	1,994.80	1/4	2,338.98	1/4	2,683.17	1/4	3,027.26	1/4	3,371.25
1/2	287.04	1/2	631.28	1/2	975.22	1/2	1,319.33	1/2	1,663.58	1/2	2,001.97	1/2	2,346.15	1/2	2,690.34	1/2	3,034.42	1/2	3,378.42
3/4	294.21	3/4	638.46	3/4	982.38	3/4	1,326.50	3/4	1,670.75	3/4	2,009.14	3/4	2,353.32	3/4	2,697.51	3/4	3,041.59	3/4	3,385.58
10	301.39	10	645.63	10	989.54	10	1,333.67	10	1,677.92	10	2,016.31	10	2,360.49	10	2,704.68	10	3,048.76	10	3,392.75
1/4	308.56	1/4	652.80	1/4	996.70	1/4	1,340.84	1/4	1,685.09	1/4	2,023.48	1/4	2,367.66	1/4	2,711.85	1/4	3,055.92	1/4	3,399.92
1/2	315.73	1/2	659.97	1/2	1,003.86	1/2	1,348.01	1/2	1,692.27	1/2	2,030.65	1/2	2,374.83	1/2	2,719.02	1/2	3,063.09	1/2	3,407.08
3/4	322.90	3/4	667.14	3/4	1,011.02	3/4	1,355.19	3/4	1,699.44	3/4	2,037.82	3/4	2,382.00	3/4	2,726.19	3/4	3,070.26	3/4	3,414.25
11	330.07	11	674.31	11	1,018.18	11	1,362.36	11	1,706.61	11	2,044.99	11	2,389.17	11	2,733.36	11	3,077.42	11	3,421.41
1/4	337.25	1/4	681.49	1/4	1,025.34	1/4	1,369.53	1/4	1,713.78	1/4	2,052.16	1/4	2,396.35	1/4	2,740.53	1/4	3,084.59	1/4	3,428.58
1/2	344.42	1/2	688.66	1/2	1,032.50	1/2	1,376.70	1/2	1,720.95	1/2	2,059.33	1/2	2,403.52	1/2	2,747.70	1/2	3,091.76	1/2	3,435.75
3/4	351.59	3/4	695.83	3/4	1,039.66	3/4	1,383.87	3/4	1,728.13	3/4	2,066.50	3/4	2,410.69	3/4	2,754.87	3/4	3,098.92	3/4	3,442.91

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCO 324"

2 STBD INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,450.08	0	3,794.07	0	4,135.39	0	4,459.09	0	4,771.64	0		0		0		0		0	
1/4	3,457.25	1/4	3,801.24	1/4	4,142.34	1/4	4,465.62	1/4	4,778.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,464.41	1/2	3,808.41	1/2	4,149.29	1/2	4,472.15	1/2	4,785.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,471.58	3/4	3,815.57	3/4	4,156.23	3/4	4,478.68	3/4	4,792.97	3/4		3/4		3/4		3/4		3/4	
1	3,478.75	1	3,822.74	1	4,163.15	1	4,485.17	1	4,799.90	1		1		1		1		1	
1/4	3,485.91	1/4	3,829.91	1/4	4,170.07	1/4	4,491.66	1/4	4,806.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,493.08	1/2	3,837.07	1/2	4,176.99	1/2	4,498.15	1/2	4,813.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,500.25	3/4	3,844.24	3/4	4,183.90	3/4	4,504.64	3/4	4,820.69	3/4		3/4		3/4		3/4		3/4	
2	3,507.41	2	3,851.40	2	4,190.78	2	4,511.07	2	4,826.72	2		2		2		2		2	
1/4	3,514.58	1/4	3,858.57	1/4	4,197.66	1/4	4,517.49	1/4	4,832.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,521.75	1/2	3,865.74	1/2	4,204.54	1/2	4,523.92	1/2	4,838.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,528.91	3/4	3,872.90	3/4	4,211.42	3/4	4,530.35	3/4	4,844.82	3/4		3/4		3/4		3/4		3/4	
3	3,536.08	3	3,880.07	3	4,218.25	3	4,536.75	3		3		3		3		3		3	
1/4	3,543.25	1/4	3,887.24	1/4	4,225.08	1/4	4,543.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,550.41	1/2	3,894.40	1/2	4,231.92	1/2	4,549.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,557.58	3/4	3,901.57	3/4	4,238.75	3/4	4,555.94	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,564.74	4	3,908.74	4	4,245.54	4	4,562.30	4		4		4		4		4		4	
1/4	3,571.91	1/4	3,915.90	1/4	4,252.33	1/4	4,568.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,579.08	1/2	3,923.07	1/2	4,259.12	1/2	4,575.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,586.24	3/4	3,930.24	3/4	4,265.92	3/4	4,581.40	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,593.41	5	3,937.40	5	4,272.68	5	4,587.73	5		5		5		5		5		5	
1/4	3,600.58	1/4	3,944.56	1/4	4,279.44	1/4	4,594.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,607.74	1/2	3,951.72	1/2	4,286.20	1/2	4,600.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,614.91	3/4	3,958.89	3/4	4,292.96	3/4	4,606.73	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,622.08	6	3,966.03	6	4,299.69	6	4,613.03	6		6		6		6		6		6	
1/4	3,629.24	1/4	3,973.18	1/4	4,306.42	1/4	4,619.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,636.41	1/2	3,980.33	1/2	4,313.15	1/2	4,625.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,643.58	3/4	3,987.47	3/4	4,319.88	3/4	4,631.93	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,650.74	7	3,994.59	7	4,326.57	7	4,638.19	7		7		7		7		7		7	
1/4	3,657.91	1/4	4,001.70	1/4	4,333.27	1/4	4,644.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,665.08	1/2	4,008.82	1/2	4,339.97	1/2	4,650.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,672.24	3/4	4,015.93	3/4	4,346.67	3/4	4,656.98	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,679.41	8	4,023.02	8	4,353.33	8	4,663.22	8		8		8		8		8		8	
1/4	3,686.58	1/4	4,030.10	1/4	4,360.00	1/4	4,669.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.74	1/2	4,037.19	1/2	4,366.67	1/2	4,675.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,700.91	3/4	4,044.27	3/4	4,373.33	3/4	4,681.92	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,708.07	9	4,051.32	9	4,379.97	9	4,688.35	9		9		9		9		9		9	
1/4	3,715.24	1/4	4,058.37	1/4	4,386.60	1/4	4,694.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.41	1/2	4,065.42	1/2	4,393.23	1/2	4,701.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,729.57	3/4	4,072.47	3/4	4,399.87	3/4	4,707.66	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,736.74	10	4,079.48	10	4,406.47	10	4,714.77	10		10		10		10		10		10	
1/4	3,743.91	1/4	4,086.49	1/4	4,413.07	1/4	4,721.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,751.07	1/2	4,093.51	1/2	4,419.68	1/2	4,728.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,758.24	3/4	4,100.52	3/4	4,426.28	3/4	4,736.09	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,765.41	11	4,107.50	11	4,432.85	11	4,743.20	11		11		11		11		11		11	
1/4	3,772.57	1/4	4,114.48	1/4	4,439.42	1/4	4,750.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,779.74	1/2	4,121.46	1/2	4,445.99	1/2	4,757.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,786.91	3/4	4,128.44	3/4	4,452.55	3/4	4,764.53	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/16/2014 CL
RECALCULATED: 02/07/2014 CL
PRINTED: 02/07/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2014

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



BARGE "CTCO 324"

3 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	25.54	0	379.77	0	744.02	0	1,100.35	0	1,461.40	0	1,825.47	0	2,181.19	0	2,543.08	0	2,906.83	0	3,270.38
1/4	30.77	1/4	387.35	1/4	751.61	1/4	1,107.71	1/4	1,468.98	1/4	1,833.05	1/4	2,188.71	1/4	2,550.66	1/4	2,914.40	1/4	3,277.96
1/2	35.99	1/2	394.94	1/2	759.20	1/2	1,115.07	1/2	1,476.57	1/2	1,840.64	1/2	2,196.23	1/2	2,558.25	1/2	2,921.98	1/2	3,285.53
3/4	41.22	3/4	402.53	3/4	766.79	3/4	1,122.43	3/4	1,484.15	3/4	1,848.22	3/4	2,203.75	3/4	2,565.83	3/4	2,929.56	3/4	3,293.10
1	48.10	1	410.12	1	774.37	1	1,129.80	1	1,491.74	1	1,855.81	1	2,211.27	1	2,573.41	1	2,937.13	1	3,300.67
1/4	54.97	1/4	417.70	1/4	781.96	1/4	1,137.16	1/4	1,499.32	1/4	1,863.39	1/4	2,218.79	1/4	2,581.00	1/4	2,944.71	1/4	3,308.24
1/2	61.85	1/2	425.29	1/2	789.55	1/2	1,144.53	1/2	1,506.91	1/2	1,870.98	1/2	2,226.31	1/2	2,588.58	1/2	2,952.28	1/2	3,315.81
3/4	68.73	3/4	432.88	3/4	797.14	3/4	1,151.90	3/4	1,514.49	3/4	1,878.56	3/4	2,233.84	3/4	2,596.16	3/4	2,959.86	3/4	3,323.38
2	76.30	2	440.47	2	804.73	2	1,159.27	2	1,522.08	2	1,886.15	2	2,241.36	2	2,603.75	2	2,967.44	2	3,330.93
1/4	83.87	1/4	448.05	1/4	812.32	1/4	1,166.64	1/4	1,529.66	1/4	1,893.73	1/4	2,248.88	1/4	2,611.33	1/4	2,975.01	1/4	3,338.48
1/2	91.44	1/2	455.64	1/2	819.91	1/2	1,174.02	1/2	1,537.25	1/2	1,901.32	1/2	2,256.40	1/2	2,618.91	1/2	2,982.59	1/2	3,346.03
3/4	99.01	3/4	463.23	3/4	827.50	3/4	1,181.39	3/4	1,544.83	3/4	1,908.90	3/4	2,263.92	3/4	2,626.49	3/4	2,990.16	3/4	3,353.59
3	106.59	3	470.82	3	835.03	3	1,188.82	3	1,552.42	3	1,916.46	3	2,271.44	3	2,634.08	3	2,997.74	3	3,361.14
1/4	114.18	1/4	478.41	1/4	842.56	1/4	1,196.25	1/4	1,560.00	1/4	1,924.02	1/4	2,278.97	1/4	2,641.66	1/4	3,005.31	1/4	3,368.69
1/2	121.76	1/2	485.99	1/2	850.09	1/2	1,203.67	1/2	1,567.59	1/2	1,931.58	1/2	2,286.50	1/2	2,649.24	1/2	3,012.89	1/2	3,376.24
3/4	129.35	3/4	493.58	3/4	857.62	3/4	1,211.10	3/4	1,575.17	3/4	1,939.14	3/4	2,294.02	3/4	2,656.82	3/4	3,020.46	3/4	3,383.80
4	136.94	4	501.17	4	864.97	4	1,218.69	4	1,582.76	4	1,946.63	4	2,301.57	4	2,664.40	4	3,028.04	4	3,391.35
1/4	144.53	1/4	508.76	1/4	872.33	1/4	1,226.27	1/4	1,590.34	1/4	1,954.11	1/4	2,309.11	1/4	2,671.97	1/4	3,035.61	1/4	3,398.90
1/2	152.12	1/2	516.35	1/2	879.68	1/2	1,233.86	1/2	1,597.93	1/2	1,961.60	1/2	2,316.66	1/2	2,679.55	1/2	3,043.18	1/2	3,406.45
3/4	159.71	3/4	523.94	3/4	887.04	3/4	1,241.44	3/4	1,605.51	3/4	1,969.09	3/4	2,324.20	3/4	2,687.12	3/4	3,050.76	3/4	3,414.01
5	167.30	5	531.53	5	894.39	5	1,249.03	5	1,613.10	5	1,976.57	5	2,331.75	5	2,694.70	5	3,058.33	5	3,421.56
1/4	174.89	1/4	539.12	1/4	901.75	1/4	1,256.61	1/4	1,620.68	1/4	1,984.06	1/4	2,339.29	1/4	2,702.28	1/4	3,065.90	1/4	3,429.11
1/2	182.48	1/2	546.70	1/2	909.10	1/2	1,264.19	1/2	1,628.27	1/2	1,991.55	1/2	2,346.84	1/2	2,709.85	1/2	3,073.48	1/2	3,436.67
3/4	190.07	3/4	554.29	3/4	916.46	3/4	1,271.78	3/4	1,635.85	3/4	1,999.03	3/4	2,354.38	3/4	2,717.43	3/4	3,081.05	3/4	3,444.22
6	197.65	6	561.88	6	923.81	6	1,279.36	6	1,643.43	6	2,006.35	6	2,361.93	6	2,725.00	6	3,088.62	6	3,451.77
1/4	205.24	1/4	569.47	1/4	931.17	1/4	1,286.95	1/4	1,651.02	1/4	2,013.66	1/4	2,369.47	1/4	2,732.58	1/4	3,096.20	1/4	3,459.32
1/2	212.83	1/2	577.06	1/2	938.52	1/2	1,294.53	1/2	1,658.60	1/2	2,020.98	1/2	2,377.02	1/2	2,740.16	1/2	3,103.77	1/2	3,466.88
3/4	220.42	3/4	584.65	3/4	945.88	3/4	1,302.12	3/4	1,666.19	3/4	2,028.29	3/4	2,384.56	3/4	2,747.73	3/4	3,111.34	3/4	3,474.43
7	228.01	7	592.24	7	953.23	7	1,309.70	7	1,673.77	7	2,035.10	7	2,392.11	7	2,755.31	7	3,118.92	7	3,481.98
1/4	235.60	1/4	599.83	1/4	960.59	1/4	1,317.29	1/4	1,681.36	1/4	2,041.90	1/4	2,399.65	1/4	2,762.88	1/4	3,126.49	1/4	3,489.53
1/2	243.19	1/2	607.42	1/2	967.94	1/2	1,324.87	1/2	1,688.94	1/2	2,048.70	1/2	2,407.20	1/2	2,770.46	1/2	3,134.06	1/2	3,497.09
3/4	250.78	3/4	615.01	3/4	975.30	3/4	1,332.46	3/4	1,696.53	3/4	2,055.50	3/4	2,414.74	3/4	2,778.04	3/4	3,141.64	3/4	3,504.64
8	258.36	8	622.59	8	982.65	8	1,340.04	8	1,704.11	8	2,062.48	8	2,422.29	8	2,785.61	8	3,149.21	8	3,512.19
1/4	265.95	1/4	630.18	1/4	990.01	1/4	1,347.63	1/4	1,711.70	1/4	2,069.46	1/4	2,429.83	1/4	2,793.19	1/4	3,156.78	1/4	3,519.74
1/2	273.54	1/2	637.77	1/2	997.36	1/2	1,355.21	1/2	1,719.28	1/2	2,076.45	1/2	2,437.37	1/2	2,800.76	1/2	3,164.36	1/2	3,527.30
3/4	281.13	3/4	645.36	3/4	1,004.72	3/4	1,362.80	3/4	1,726.87	3/4	2,083.43	3/4	2,444.92	3/4	2,808.34	3/4	3,171.93	3/4	3,534.85
9	288.71	9	652.95	9	1,012.07	9	1,370.38	9	1,734.45	9	2,090.95	9	2,452.46	9	2,815.92	9	3,179.50	9	3,542.40
1/4	296.30	1/4	660.54	1/4	1,019.43	1/4	1,377.97	1/4	1,742.04	1/4	2,098.47	1/4	2,460.01	1/4	2,823.49	1/4	3,187.08	1/4	3,549.96
1/2	303.89	1/2	668.13	1/2	1,026.78	1/2	1,385.55	1/2	1,749.62	1/2	2,105.99	1/2	2,467.55	1/2	2,831.07	1/2	3,194.65	1/2	3,557.51
3/4	311.48	3/4	675.72	3/4	1,034.14	3/4	1,393.14	3/4	1,757.21	3/4	2,113.51	3/4	2,475.10	3/4	2,838.64	3/4	3,202.22	3/4	3,565.07
10	319.06	10	683.31	10	1,041.49	10	1,400.72	10	1,764.79	10	2,121.03	10	2,482.64	10	2,846.22	10	3,209.80	10	3,572.63
1/4	326.65	1/4	690.90	1/4	1,048.85	1/4	1,408.31	1/4	1,772.38	1/4	2,128.55	1/4	2,490.19	1/4	2,853.80	1/4	3,217.37	1/4	3,580.20
1/2	334.24	1/2	698.48	1/2	1,056.20	1/2	1,415.89	1/2	1,779.96	1/2	2,136.07	1/2	2,497.73	1/2	2,861.37	1/2	3,224.94	1/2	3,587.76
3/4	341.83	3/4	706.07	3/4	1,063.56	3/4	1,423.48	3/4	1,787.55	3/4	2,143.59	3/4	2,505.28	3/4	2,868.95	3/4	3,232.52	3/4	3,595.33
11	349.41	11	713.66	11	1,070.91	11	1,431.06	11	1,795.13	11	2,151.11	11	2,512.83	11	2,876.52	11	3,240.09	11	3,602.46
1/4	357.00	1/4	721.25	1/4	1,078.27	1/4	1,438.65	1/4	1,802.72	1/4	2,158.63	1/4	2,520.39	1/4	2,884.10	1/4	3,247.66	1/4	3,609.59
1/2	364.59	1/2	728.84	1/2	1,085.63	1/2	1,446.23	1/2	1,810.30	1/2	2,166.15	1/2	2,527.94	1/2	2,891.68	1/2	3,255.24	1/2	3,616.72
3/4	372.18	3/4	736.43	3/4	1,092.98	3/4	1,453.81	3/4	1,817.89	3/4	2,173.67	3/4	2,535.50	3/4	2,899.25	3/4	3,262.81	3/4	3,623.85

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" 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 324"

3 PORT INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,629.25	0	3,826.86	0	4,011.58	0	4,186.20	0	4,354.27	0		0		0		0		0	
1/4	3,634.64	1/4	3,830.74	1/4	4,015.34	1/4	4,189.72	1/4	4,358.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,640.04	1/2	3,834.62	1/2	4,019.09	1/2	4,193.24	1/2	4,361.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.43	3/4	3,838.50	3/4	4,022.85	3/4	4,196.75	3/4	4,365.80	3/4		3/4		3/4		3/4		3/4	
1	3,649.51	1	3,842.38	1	4,026.59	1	4,200.25	1	4,369.45	1		1		1		1		1	
1/4	3,653.58	1/4	3,846.26	1/4	4,030.33	1/4	4,203.74	1/4	4,373.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,657.66	1/2	3,850.14	1/2	4,034.06	1/2	4,207.23	1/2	4,376.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,661.73	3/4	3,854.02	3/4	4,037.80	3/4	4,210.72	3/4	4,380.41	3/4		3/4		3/4		3/4		3/4	
2	3,665.81	2	3,857.90	2	4,041.52	2	4,214.17	2	4,383.11	2		2		2		2		2	
1/4	3,669.88	1/4	3,861.78	1/4	4,045.24	1/4	4,217.63	1/4	4,385.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.96	1/2	3,865.66	1/2	4,048.95	1/2	4,221.08	1/2	4,388.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.03	3/4	3,869.54	3/4	4,052.67	3/4	4,224.53	3/4	4,391.22	3/4		3/4		3/4		3/4		3/4	
3	3,682.11	3	3,873.42	3	4,056.36	3	4,227.97	3		3		3		3		3		3	
1/4	3,686.18	1/4	3,877.30	1/4	4,060.04	1/4	4,231.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,690.26	1/2	3,881.18	1/2	4,063.73	1/2	4,234.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,694.33	3/4	3,885.06	3/4	4,067.42	3/4	4,238.28	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,698.41	4	3,888.94	4	4,071.08	4	4,241.69	4		4		4		4		4		4	
1/4	3,702.48	1/4	3,892.82	1/4	4,074.75	1/4	4,245.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,706.56	1/2	3,896.70	1/2	4,078.41	1/2	4,248.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,710.63	3/4	3,900.58	3/4	4,082.08	3/4	4,251.95	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,714.71	5	3,904.46	5	4,085.73	5	4,255.35	5		5		5		5		5		5	
1/4	3,718.78	1/4	3,908.34	1/4	4,089.37	1/4	4,258.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.86	1/2	3,912.21	1/2	4,093.02	1/2	4,262.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,726.93	3/4	3,916.09	3/4	4,096.67	3/4	4,265.54	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,731.01	6	3,919.96	6	4,100.30	6	4,268.92	6		6		6		6		6		6	
1/4	3,735.08	1/4	3,923.83	1/4	4,103.93	1/4	4,272.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,739.16	1/2	3,927.70	1/2	4,107.56	1/2	4,275.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.23	3/4	3,931.57	3/4	4,111.19	3/4	4,279.06	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,747.31	7	3,935.42	7	4,114.80	7	4,282.42	7		7		7		7		7		7	
1/4	3,751.38	1/4	3,939.27	1/4	4,118.41	1/4	4,285.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,755.46	1/2	3,943.12	1/2	4,122.02	1/2	4,289.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,759.53	3/4	3,946.97	3/4	4,125.63	3/4	4,292.50	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,763.61	8	3,950.80	8	4,129.22	8	4,295.85	8		8		8		8		8		8	
1/4	3,767.68	1/4	3,954.64	1/4	4,132.82	1/4	4,299.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,771.76	1/2	3,958.47	1/2	4,136.41	1/2	4,302.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,775.83	3/4	3,962.30	3/4	4,140.00	3/4	4,305.88	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,779.91	9	3,966.12	9	4,143.58	9	4,309.33	9		9		9		9		9		9	
1/4	3,783.98	1/4	3,969.93	1/4	4,147.15	1/4	4,312.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,788.06	1/2	3,973.74	1/2	4,150.73	1/2	4,316.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,791.94	3/4	3,977.56	3/4	4,154.31	3/4	4,319.71	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,795.82	10	3,981.35	10	4,157.86	10	4,323.55	10		10		10		10		10		10	
1/4	3,799.70	1/4	3,985.14	1/4	4,161.42	1/4	4,327.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,803.58	1/2	3,988.93	1/2	4,164.98	1/2	4,331.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,807.46	3/4	3,992.73	3/4	4,168.53	3/4	4,335.07	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,811.34	11	3,996.50	11	4,172.07	11	4,338.91	11		11		11		11		11		11	
1/4	3,815.22	1/4	4,000.28	1/4	4,175.61	1/4	4,342.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,819.10	1/2	4,004.05	1/2	4,179.15	1/2	4,346.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,822.98	3/4	4,007.82	3/4	4,182.69	3/4	4,350.43	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/16/2014 CL
RECALCULATED: 02/07/2014 CL
PRINTED: 02/07/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2014

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



BARGE "CTCO 324"

3 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	25.52	0	379.84	0	744.33	0	1,108.32	0	1,472.77	0	1,837.26	0	2,195.56	0	2,559.99	0	2,924.17	0	3,288.16
1/4	30.74	1/4	387.43	1/4	751.92	1/4	1,115.90	1/4	1,480.36	1/4	1,844.86	1/4	2,203.15	1/4	2,567.58	1/4	2,931.76	1/4	3,295.74
1/2	35.96	1/2	395.03	1/2	759.51	1/2	1,123.49	1/2	1,487.95	1/2	1,852.45	1/2	2,210.74	1/2	2,575.18	1/2	2,939.34	1/2	3,303.33
3/4	41.18	3/4	402.62	3/4	767.11	3/4	1,131.07	3/4	1,495.55	3/4	1,860.05	3/4	2,218.34	3/4	2,582.77	3/4	2,946.93	3/4	3,310.91
1	48.05	1	410.21	1	774.70	1	1,138.66	1	1,503.14	1	1,867.64	1	2,225.93	1	2,590.36	1	2,954.51	1	3,318.49
1/4	54.92	1/4	417.81	1/4	782.29	1/4	1,146.25	1/4	1,510.74	1/4	1,875.23	1/4	2,233.52	1/4	2,597.95	1/4	2,962.10	1/4	3,326.06
1/2	61.79	1/2	425.40	1/2	789.89	1/2	1,153.84	1/2	1,518.33	1/2	1,882.83	1/2	2,241.11	1/2	2,605.54	1/2	2,969.68	1/2	3,333.64
3/4	68.66	3/4	432.99	3/4	797.48	3/4	1,161.43	3/4	1,525.92	3/4	1,890.42	3/4	2,248.71	3/4	2,613.14	3/4	2,977.27	3/4	3,341.22
2	76.23	2	440.59	2	805.07	2	1,169.02	2	1,533.52	2	1,898.01	2	2,256.30	2	2,620.73	2	2,984.85	2	3,348.78
1/4	83.79	1/4	448.18	1/4	812.67	1/4	1,176.61	1/4	1,541.11	1/4	1,905.61	1/4	2,263.89	1/4	2,628.32	1/4	2,992.44	1/4	3,356.34
1/2	91.35	1/2	455.77	1/2	820.26	1/2	1,184.21	1/2	1,548.70	1/2	1,913.20	1/2	2,271.48	1/2	2,635.91	1/2	3,000.02	1/2	3,363.90
3/4	98.92	3/4	463.37	3/4	827.85	3/4	1,191.80	3/4	1,556.30	3/4	1,920.80	3/4	2,279.08	3/4	2,643.51	3/4	3,007.61	3/4	3,371.46
3	106.50	3	470.96	3	835.44	3	1,199.39	3	1,563.89	3	1,928.38	3	2,286.67	3	2,651.10	3	3,015.19	3	3,379.03
1/4	114.09	1/4	478.55	1/4	843.03	1/4	1,206.99	1/4	1,571.49	1/4	1,935.97	1/4	2,294.26	1/4	2,658.69	1/4	3,022.78	1/4	3,386.59
1/2	121.67	1/2	486.15	1/2	850.62	1/2	1,214.58	1/2	1,579.08	1/2	1,943.55	1/2	2,301.85	1/2	2,666.28	1/2	3,030.36	1/2	3,394.15
3/4	129.26	3/4	493.74	3/4	858.21	3/4	1,222.18	3/4	1,586.67	3/4	1,951.14	3/4	2,309.44	3/4	2,673.87	3/4	3,037.94	3/4	3,401.71
4	136.85	4	501.33	4	865.79	4	1,229.77	4	1,594.27	4	1,958.70	4	2,317.04	4	2,681.45	4	3,045.53	4	3,409.27
1/4	144.44	1/4	508.93	1/4	873.37	1/4	1,237.36	1/4	1,601.86	1/4	1,966.25	1/4	2,324.63	1/4	2,689.04	1/4	3,053.11	1/4	3,416.83
1/2	152.03	1/2	516.52	1/2	880.95	1/2	1,244.96	1/2	1,609.45	1/2	1,973.81	1/2	2,332.22	1/2	2,696.62	1/2	3,060.69	1/2	3,424.40
3/4	159.63	3/4	524.11	3/4	888.53	3/4	1,252.55	3/4	1,617.05	3/4	1,981.37	3/4	2,339.81	3/4	2,704.21	3/4	3,068.27	3/4	3,431.96
5	167.22	5	531.71	5	896.11	5	1,260.14	5	1,624.64	5	1,988.93	5	2,347.41	5	2,711.79	5	3,075.86	5	3,439.52
1/4	174.81	1/4	539.30	1/4	903.68	1/4	1,267.74	1/4	1,632.23	1/4	1,996.49	1/4	2,355.00	1/4	2,719.38	1/4	3,083.44	1/4	3,447.08
1/2	182.41	1/2	546.90	1/2	911.26	1/2	1,275.33	1/2	1,639.83	1/2	2,004.04	1/2	2,362.59	1/2	2,726.96	1/2	3,091.02	1/2	3,454.64
3/4	190.00	3/4	554.49	3/4	918.84	3/4	1,282.92	3/4	1,647.42	3/4	2,011.60	3/4	2,370.18	3/4	2,734.55	3/4	3,098.60	3/4	3,462.20
6	197.59	6	562.08	6	926.42	6	1,290.52	6	1,655.02	6	2,018.99	6	2,377.78	6	2,742.13	6	3,106.19	6	3,469.77
1/4	205.19	1/4	569.68	1/4	934.00	1/4	1,298.11	1/4	1,662.61	1/4	2,026.38	1/4	2,385.37	1/4	2,749.72	1/4	3,113.77	1/4	3,477.33
1/2	212.78	1/2	577.27	1/2	941.58	1/2	1,305.71	1/2	1,670.20	1/2	2,033.76	1/2	2,392.96	1/2	2,757.30	1/2	3,121.35	1/2	3,484.89
3/4	220.37	3/4	584.86	3/4	949.15	3/4	1,313.30	3/4	1,677.80	3/4	2,041.15	3/4	2,400.55	3/4	2,764.89	3/4	3,128.93	3/4	3,492.45
7	227.97	7	592.46	7	956.73	7	1,320.89	7	1,685.39	7	2,048.03	7	2,408.14	7	2,772.47	7	3,136.51	7	3,500.01
1/4	235.56	1/4	600.05	1/4	964.31	1/4	1,328.49	1/4	1,692.98	1/4	2,054.90	1/4	2,415.74	1/4	2,780.06	1/4	3,144.10	1/4	3,507.57
1/2	243.16	1/2	607.64	1/2	971.89	1/2	1,336.08	1/2	1,700.58	1/2	2,061.77	1/2	2,423.33	1/2	2,787.64	1/2	3,151.68	1/2	3,515.13
3/4	250.75	3/4	615.24	3/4	979.47	3/4	1,343.67	3/4	1,708.17	3/4	2,068.65	3/4	2,430.92	3/4	2,795.23	3/4	3,159.26	3/4	3,522.70
8	258.34	8	622.83	8	987.05	8	1,351.27	8	1,715.77	8	2,075.70	8	2,438.51	8	2,802.81	8	3,166.84	8	3,530.26
1/4	265.94	1/4	630.42	1/4	994.63	1/4	1,358.86	1/4	1,723.36	1/4	2,082.75	1/4	2,446.11	1/4	2,810.40	1/4	3,174.43	1/4	3,537.82
1/2	273.53	1/2	638.02	1/2	1,002.20	1/2	1,366.46	1/2	1,730.95	1/2	2,089.81	1/2	2,453.70	1/2	2,817.98	1/2	3,182.01	1/2	3,545.38
3/4	281.12	3/4	645.61	3/4	1,009.78	3/4	1,374.05	3/4	1,738.55	3/4	2,096.86	3/4	2,461.29	3/4	2,825.57	3/4	3,189.59	3/4	3,552.94
9	288.72	9	653.20	9	1,017.36	9	1,381.64	9	1,746.14	9	2,104.45	9	2,468.88	9	2,833.15	9	3,197.17	9	3,560.50
1/4	296.31	1/4	660.80	1/4	1,024.94	1/4	1,389.24	1/4	1,753.73	1/4	2,112.04	1/4	2,476.48	1/4	2,840.74	1/4	3,204.76	1/4	3,568.07
1/2	303.90	1/2	668.39	1/2	1,032.52	1/2	1,396.83	1/2	1,761.33	1/2	2,119.64	1/2	2,484.07	1/2	2,848.32	1/2	3,212.34	1/2	3,575.63
3/4	311.50	3/4	675.98	3/4	1,040.10	3/4	1,404.42	3/4	1,768.92	3/4	2,127.23	3/4	2,491.66	3/4	2,855.91	3/4	3,219.92	3/4	3,583.19
10	319.09	10	683.58	10	1,047.67	10	1,412.02	10	1,776.52	10	2,134.82	10	2,499.25	10	2,863.49	10	3,227.50	10	3,590.75
1/4	326.68	1/4	691.17	1/4	1,055.25	1/4	1,419.61	1/4	1,784.11	1/4	2,142.41	1/4	2,506.84	1/4	2,871.08	1/4	3,235.08	1/4	3,598.31
1/2	334.28	1/2	698.77	1/2	1,062.83	1/2	1,427.21	1/2	1,791.70	1/2	2,150.01	1/2	2,514.44	1/2	2,878.66	1/2	3,242.67	1/2	3,605.87
3/4	341.87	3/4	706.36	3/4	1,070.41	3/4	1,434.80	3/4	1,799.30	3/4	2,157.60	3/4	2,522.03	3/4	2,886.25	3/4	3,250.25	3/4	3,613.44
11	349.46	11	713.95	11	1,077.99	11	1,442.39	11	1,806.89	11	2,165.19	11	2,529.62	11	2,893.83	11	3,257.83	11	3,620.56
1/4	357.06	1/4	721.55	1/4	1,085.57	1/4	1,449.99	1/4	1,814.48	1/4	2,172.78	1/4	2,537.21	1/4	2,901.42	1/4	3,265.41	1/4	3,627.69
1/2	364.65	1/2	729.14	1/2	1,093.15	1/2	1,457.58	1/2	1,822.08	1/2	2,180.38	1/2	2,544.81	1/2	2,909.00	1/2	3,273.00	1/2	3,634.82
3/4	372.24	3/4	736.73	3/4	1,100.73	3/4	1,465.17	3/4	1,829.67	3/4	2,187.97	3/4	2,552.40	3/4	2,916.59	3/4	3,280.58	3/4	3,641.95

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTCO 324"

3 STBD INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,647.33	0	3,844.59	0	4,028.97	0	4,203.25	0	4,370.97	0		0		0		0		0	
1/4	3,652.72	1/4	3,848.47	1/4	4,032.72	1/4	4,206.76	1/4	4,374.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,658.11	1/2	3,852.34	1/2	4,036.47	1/2	4,210.27	1/2	4,378.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,663.50	3/4	3,856.21	3/4	4,040.22	3/4	4,213.78	3/4	4,382.48	3/4		3/4		3/4		3/4		3/4	
1	3,667.56	1	3,860.09	1	4,043.95	1	4,217.26	1	4,386.12	1		1		1		1		1	
1/4	3,671.63	1/4	3,863.96	1/4	4,047.68	1/4	4,220.75	1/4	4,389.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,675.70	1/2	3,867.83	1/2	4,051.41	1/2	4,224.23	1/2	4,393.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,679.77	3/4	3,871.70	3/4	4,055.15	3/4	4,227.72	3/4	4,397.06	3/4		3/4		3/4		3/4		3/4	
2	3,683.84	2	3,875.58	2	4,058.86	2	4,231.16	2	4,399.75	2		2		2		2		2	
1/4	3,687.90	1/4	3,879.45	1/4	4,062.56	1/4	4,234.61	1/4	4,402.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,691.97	1/2	3,883.32	1/2	4,066.27	1/2	4,238.06	1/2	4,405.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,696.04	3/4	3,887.20	3/4	4,069.98	3/4	4,241.50	3/4	4,407.83	3/4		3/4		3/4		3/4		3/4	
3	3,700.11	3	3,891.07	3	4,073.66	3	4,244.93	3		3		3		3		3		3	
1/4	3,704.17	1/4	3,894.94	1/4	4,077.34	1/4	4,248.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,708.24	1/2	3,898.81	1/2	4,081.02	1/2	4,251.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,712.31	3/4	3,902.69	3/4	4,084.70	3/4	4,255.21	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,716.38	4	3,906.56	4	4,088.36	4	4,258.62	4		4		4		4		4		4	
1/4	3,720.44	1/4	3,910.43	1/4	4,092.02	1/4	4,262.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,724.51	1/2	3,914.30	1/2	4,095.68	1/2	4,265.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,728.58	3/4	3,918.18	3/4	4,099.34	3/4	4,268.85	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,732.65	5	3,922.05	5	4,102.98	5	4,272.25	5		5		5		5		5		5	
1/4	3,736.72	1/4	3,925.92	1/4	4,106.62	1/4	4,275.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,740.78	1/2	3,929.79	1/2	4,110.26	1/2	4,279.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,744.85	3/4	3,933.67	3/4	4,113.90	3/4	4,282.42	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,748.92	6	3,937.53	6	4,117.52	6	4,285.80	6		6		6		6		6		6	
1/4	3,752.99	1/4	3,941.39	1/4	4,121.14	1/4	4,289.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,757.05	1/2	3,945.25	1/2	4,124.76	1/2	4,292.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,761.12	3/4	3,949.11	3/4	4,128.38	3/4	4,295.92	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,765.19	7	3,952.96	7	4,131.99	7	4,299.27	7		7		7		7		7		7	
1/4	3,769.26	1/4	3,956.80	1/4	4,135.59	1/4	4,302.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,773.32	1/2	3,960.64	1/2	4,139.20	1/2	4,305.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,777.39	3/4	3,964.49	3/4	4,142.80	3/4	4,309.32	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,781.46	8	3,968.31	8	4,146.39	8	4,312.66	8		8		8		8		8		8	
1/4	3,785.53	1/4	3,972.14	1/4	4,149.97	1/4	4,316.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,789.60	1/2	3,975.96	1/2	4,153.56	1/2	4,319.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,793.66	3/4	3,979.79	3/4	4,157.14	3/4	4,322.67	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,797.73	9	3,983.60	9	4,160.71	9	4,326.12	9		9		9		9		9		9	
1/4	3,801.80	1/4	3,987.40	1/4	4,164.28	1/4	4,329.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,805.87	1/2	3,991.21	1/2	4,167.85	1/2	4,333.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,809.74	3/4	3,995.02	3/4	4,171.42	3/4	4,336.47	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,813.61	10	3,998.80	10	4,174.97	10	4,340.30	10		10		10		10		10		10	
1/4	3,817.48	1/4	4,002.59	1/4	4,178.52	1/4	4,344.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,821.36	1/2	4,006.37	1/2	4,182.07	1/2	4,347.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,825.23	3/4	4,010.16	3/4	4,185.62	3/4	4,351.81	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,829.10	11	4,013.92	11	4,189.15	11	4,355.64	11		11		11		11		11		11	
1/4	3,832.98	1/4	4,017.69	1/4	4,192.68	1/4	4,359.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,836.85	1/2	4,021.46	1/2	4,196.21	1/2	4,363.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,840.72	3/4	4,025.22	3/4	4,199.74	3/4	4,367.14	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/16/2014 CL
RECALCULATED: 02/07/2014 CL
PRINTED: 02/07/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2014

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



BARGE "CTCO 324"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-11"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,625	0	3,250	0	4,875	0	6,501	0	8,126	0	9,751	0		0		0	
1/4	34	1/4	1,659	1/4	3,284	1/4	4,909	1/4	6,534	1/4	8,160	1/4	9,785	1/4		1/4		1/4	
1/2	68	1/2	1,693	1/2	3,318	1/2	4,943	1/2	6,568	1/2	8,193	1/2	9,819	1/2		1/2		1/2	
3/4	102	3/4	1,727	3/4	3,352	3/4	4,977	3/4	6,602	3/4	8,227	3/4	9,852	3/4		3/4		3/4	
1	135	1	1,761	1	3,386	1	5,011	1	6,636	1	8,261	1	9,886	1		1		1	
1/4	169	1/4	1,794	1/4	3,420	1/4	5,045	1/4	6,670	1/4	8,295	1/4	9,920	1/4		1/4		1/4	
1/2	203	1/2	1,828	1/2	3,453	1/2	5,079	1/2	6,704	1/2	8,329	1/2	9,954	1/2		1/2		1/2	
3/4	237	3/4	1,862	3/4	3,487	3/4	5,112	3/4	6,738	3/4	8,363	3/4	9,988	3/4		3/4		3/4	
2	271	2	1,896	2	3,521	2	5,146	2	6,771	2	8,397	2	10,022	2		2		2	
1/4	305	1/4	1,930	1/4	3,555	1/4	5,180	1/4	6,805	1/4	8,430	1/4	10,056	1/4		1/4		1/4	
1/2	339	1/2	1,964	1/2	3,589	1/2	5,214	1/2	6,839	1/2	8,464	1/2	10,089	1/2		1/2		1/2	
3/4	372	3/4	1,998	3/4	3,623	3/4	5,248	3/4	6,873	3/4	8,498	3/4		3/4		3/4		3/4	
3	406	3	2,031	3	3,657	3	5,282	3	6,907	3	8,532	3		3		3		3	
1/4	440	1/4	2,065	1/4	3,690	1/4	5,316	1/4	6,941	1/4	8,566	1/4		1/4		1/4		1/4	
1/2	474	1/2	2,099	1/2	3,724	1/2	5,349	1/2	6,975	1/2	8,600	1/2		1/2		1/2		1/2	
3/4	508	3/4	2,133	3/4	3,758	3/4	5,383	3/4	7,008	3/4	8,634	3/4		3/4		3/4		3/4	
4	542	4	2,167	4	3,792	4	5,417	4	7,042	4	8,667	4		4		4		4	
1/4	576	1/4	2,201	1/4	3,826	1/4	5,451	1/4	7,076	1/4	8,701	1/4		1/4		1/4		1/4	
1/2	609	1/2	2,235	1/2	3,860	1/2	5,485	1/2	7,110	1/2	8,735	1/2		1/2		1/2		1/2	
3/4	643	3/4	2,268	3/4	3,894	3/4	5,519	3/4	7,144	3/4	8,769	3/4		3/4		3/4		3/4	
5	677	5	2,302	5	3,927	5	5,553	5	7,178	5	8,803	5		5		5		5	
1/4	711	1/4	2,336	1/4	3,961	1/4	5,586	1/4	7,212	1/4	8,837	1/4		1/4		1/4		1/4	
1/2	745	1/2	2,370	1/2	3,995	1/2	5,620	1/2	7,245	1/2	8,871	1/2		1/2		1/2		1/2	
3/4	779	3/4	2,404	3/4	4,029	3/4	5,654	3/4	7,279	3/4	8,904	3/4		3/4		3/4		3/4	
6	813	6	2,438	6	4,063	6	5,688	6	7,313	6	8,938	6		6		6		6	
1/4	846	1/4	2,472	1/4	4,097	1/4	5,722	1/4	7,347	1/4	8,972	1/4		1/4		1/4		1/4	
1/2	880	1/2	2,505	1/2	4,131	1/2	5,756	1/2	7,381	1/2	9,006	1/2		1/2		1/2		1/2	
3/4	914	3/4	2,539	3/4	4,164	3/4	5,790	3/4	7,415	3/4	9,040	3/4		3/4		3/4		3/4	
7	948	7	2,573	7	4,198	7	5,823	7	7,449	7	9,074	7		7		7		7	
1/4	982	1/4	2,607	1/4	4,232	1/4	5,857	1/4	7,482	1/4	9,108	1/4		1/4		1/4		1/4	
1/2	1,016	1/2	2,641	1/2	4,266	1/2	5,891	1/2	7,516	1/2	9,141	1/2		1/2		1/2		1/2	
3/4	1,050	3/4	2,675	3/4	4,300	3/4	5,925	3/4	7,550	3/4	9,175	3/4		3/4		3/4		3/4	
8	1,083	8	2,709	8	4,334	8	5,959	8	7,584	8	9,209	8		8		8		8	
1/4	1,117	1/4	2,742	1/4	4,368	1/4	5,993	1/4	7,618	1/4	9,243	1/4		1/4		1/4		1/4	
1/2	1,151	1/2	2,776	1/2	4,401	1/2	6,027	1/2	7,652	1/2	9,277	1/2		1/2		1/2		1/2	
3/4	1,185	3/4	2,810	3/4	4,435	3/4	6,060	3/4	7,686	3/4	9,311	3/4		3/4		3/4		3/4	
9	1,219	9	2,844	9	4,469	9	6,094	9	7,719	9	9,345	9		9		9		9	
1/4	1,253	1/4	2,878	1/4	4,503	1/4	6,128	1/4	7,753	1/4	9,378	1/4		1/4		1/4		1/4	
1/2	1,287	1/2	2,912	1/2	4,537	1/2	6,162	1/2	7,787	1/2	9,412	1/2		1/2		1/2		1/2	
3/4	1,320	3/4	2,946	3/4	4,571	3/4	6,196	3/4	7,821	3/4	9,446	3/4		3/4		3/4		3/4	
10	1,354	10	2,979	10	4,605	10	6,230	10	7,855	10	9,480	10		10		10		10	
1/4	1,388	1/4	3,013	1/4	4,638	1/4	6,264	1/4	7,889	1/4	9,514	1/4		1/4		1/4		1/4	
1/2	1,422	1/2	3,047	1/2	4,672	1/2	6,297	1/2	7,923	1/2	9,548	1/2		1/2		1/2		1/2	
3/4	1,456	3/4	3,081	3/4	4,706	3/4	6,331	3/4	7,956	3/4	9,582	3/4		3/4		3/4		3/4	
11	1,490	11	3,115	11	4,740	11	6,365	11	7,990	11	9,615	11		11		11		11	
1/4	1,524	1/4	3,149	1/4	4,774	1/4	6,399	1/4	8,024	1/4	9,649	1/4		1/4		1/4		1/4	
1/2	1,557	1/2	3,183	1/2	4,808	1/2	6,433	1/2	8,058	1/2	9,683	1/2		1/2		1/2		1/2	
3/4	1,591	3/4	3,216	3/4	4,842	3/4	6,467	3/4	8,092	3/4	9,717	3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER PIPE.

STRAPPED: 01/16/2014 CL
CALCULATED: 01/18/2014 CL
PRINTED: 01/18/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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