



BARGE "CBR 2024"

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	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/2	- 00-1/2
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/2	- 00-1/2
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
3 PORT	- 00-1/2	00-1/2	- 01-1/8	01-1/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-3/4	02-3/4	- 03-1/2	03-1/2
3 STBD	- 00-5/8	00-5/8	- 01-1/8	01-1/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-7/8	02-7/8	- 03-1/2	03-1/2

(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: 253'-03"

January 2, 2014

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBR 2024"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-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	3,620.96	0	3,983.36	0	4,345.76	0	4,708.16	0	5,069.08	0		0		0		0		0	
1/4	3,628.51	1/4	3,990.91	1/4	4,353.31	1/4	4,715.71	1/4	5,076.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,636.06	1/2	3,998.46	1/2	4,360.86	1/2	4,723.26	1/2	5,083.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,643.61	3/4	4,006.01	3/4	4,368.41	3/4	4,730.81	3/4	5,091.44	3/4		3/4		3/4		3/4		3/4	
1	3,651.16	1	4,013.56	1	4,375.96	1	4,738.36	1	5,098.89	1		1		1		1		1	
1/4	3,658.71	1/4	4,021.11	1/4	4,383.51	1/4	4,745.89	1/4	5,106.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,666.26	1/2	4,028.66	1/2	4,391.06	1/2	4,753.41	1/2	5,113.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,673.81	3/4	4,036.21	3/4	4,398.61	3/4	4,760.94	3/4	5,121.24	3/4		3/4		3/4		3/4		3/4	
2	3,681.36	2	4,043.76	2	4,406.16	2	4,768.47	2	5,128.70	2		2		2		2		2	
1/4	3,688.91	1/4	4,051.31	1/4	4,413.71	1/4	4,775.99	1/4	5,136.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,696.46	1/2	4,058.86	1/2	4,421.26	1/2	4,783.51	1/2	5,143.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,704.01	3/4	4,066.41	3/4	4,428.81	3/4	4,791.03	3/4	5,151.05	3/4		3/4		3/4		3/4		3/4	
3	3,711.56	3	4,073.96	3	4,436.36	3	4,798.55	3	5,158.50	3		3		3		3		3	
1/4	3,719.11	1/4	4,081.51	1/4	4,443.91	1/4	4,806.07	1/4	5,165.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,726.66	1/2	4,089.06	1/2	4,451.46	1/2	4,813.59	1/2	5,173.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,734.21	3/4	4,096.61	3/4	4,459.01	3/4	4,821.11	3/4	5,180.86	3/4		3/4		3/4		3/4		3/4	
4	3,741.76	4	4,104.16	4	4,466.56	4	4,828.63	4	5,188.31	4		4		4		4		4	
1/4	3,749.31	1/4	4,111.71	1/4	4,474.11	1/4	4,836.16	1/4	5,195.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,756.86	1/2	4,119.26	1/2	4,481.66	1/2	4,843.68	1/2	5,203.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,764.41	3/4	4,126.81	3/4	4,489.21	3/4	4,851.20	3/4	5,210.66	3/4		3/4		3/4		3/4		3/4	
5	3,771.96	5	4,134.36	5	4,496.76	5	4,858.72	5	5,218.12	5		5		5		5		5	
1/4	3,779.51	1/4	4,141.91	1/4	4,504.31	1/4	4,866.24	1/4	5,225.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,787.06	1/2	4,149.46	1/2	4,511.86	1/2	4,873.76	1/2	5,231.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,794.61	3/4	4,157.01	3/4	4,519.41	3/4	4,881.28	3/4	5,238.82	3/4		3/4		3/4		3/4		3/4	
6	3,802.16	6	4,164.56	6	4,526.96	6	4,888.80	6	5,245.72	6		6		6		6		6	
1/4	3,809.71	1/4	4,172.11	1/4	4,534.51	1/4	4,896.32	1/4	5,251.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,817.26	1/2	4,179.66	1/2	4,542.06	1/2	4,903.84	1/2	5,257.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,824.81	3/4	4,187.21	3/4	4,549.61	3/4	4,911.36	3/4	5,262.88	3/4		3/4		3/4		3/4		3/4	
7	3,832.36	7	4,194.76	7	4,557.16	7	4,918.89	7	5,268.60	7		7		7		7		7	
1/4	3,839.91	1/4	4,202.31	1/4	4,564.71	1/4	4,926.41	1/4	5,273.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,847.46	1/2	4,209.86	1/2	4,572.26	1/2	4,933.93	1/2	5,277.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,855.01	3/4	4,217.41	3/4	4,579.81	3/4	4,941.45	3/4	5,282.06	3/4		3/4		3/4		3/4		3/4	
8	3,862.56	8	4,224.96	8	4,587.36	8	4,948.97	8	5,286.55	8		8		8		8		8	
1/4	3,870.11	1/4	4,232.51	1/4	4,594.91	1/4	4,956.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,877.66	1/2	4,240.06	1/2	4,602.46	1/2	4,964.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,885.21	3/4	4,247.61	3/4	4,610.01	3/4	4,971.53	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,892.76	9	4,255.16	9	4,617.56	9	4,979.05	9		9		9		9		9		9	
1/4	3,900.31	1/4	4,262.71	1/4	4,625.11	1/4	4,986.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,907.86	1/2	4,270.26	1/2	4,632.66	1/2	4,994.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,915.41	3/4	4,277.81	3/4	4,640.21	3/4	5,001.62	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,922.96	10	4,285.36	10	4,647.76	10	5,009.15	10		10		10		10		10		10	
1/4	3,930.51	1/4	4,292.91	1/4	4,655.31	1/4	5,016.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,938.06	1/2	4,300.46	1/2	4,662.86	1/2	5,024.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,945.61	3/4	4,308.01	3/4	4,670.41	3/4	5,031.72	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,953.16	11	4,315.56	11	4,677.96	11	5,039.24	11		11		11		11		11		11	
1/4	3,960.71	1/4	4,323.11	1/4	4,685.51	1/4	5,046.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,968.26	1/2	4,330.66	1/2	4,693.06	1/2	5,054.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,975.81	3/4	4,338.21	3/4	4,700.61	3/4	5,061.62	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2014 SW
CALCULATED: 01/04/2014 CL
PRINTED: 01/06/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CBR 2024"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-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	3,619.07	0	3,981.47	0	4,343.87	0	4,706.27	0	5,067.19	0		0		0		0		0	
1/4	3,626.62	1/4	3,989.02	1/4	4,351.42	1/4	4,713.82	1/4	5,074.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,634.17	1/2	3,996.57	1/2	4,358.97	1/2	4,721.37	1/2	5,082.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,641.72	3/4	4,004.12	3/4	4,366.52	3/4	4,728.92	3/4	5,089.54	3/4		3/4		3/4		3/4		3/4	
1	3,649.27	1	4,011.67	1	4,374.07	1	4,736.47	1	5,096.99	1		1		1		1		1	
1/4	3,656.82	1/4	4,019.22	1/4	4,381.62	1/4	4,743.99	1/4	5,104.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,664.37	1/2	4,026.77	1/2	4,389.17	1/2	4,751.52	1/2	5,111.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.92	3/4	4,034.32	3/4	4,396.72	3/4	4,759.05	3/4	5,119.35	3/4		3/4		3/4		3/4		3/4	
2	3,679.47	2	4,041.87	2	4,404.27	2	4,766.57	2	5,126.80	2		2		2		2		2	
1/4	3,687.02	1/4	4,049.42	1/4	4,411.82	1/4	4,774.09	1/4	5,134.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,694.57	1/2	4,056.97	1/2	4,419.37	1/2	4,781.61	1/2	5,141.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,702.12	3/4	4,064.52	3/4	4,426.92	3/4	4,789.14	3/4	5,149.16	3/4		3/4		3/4		3/4		3/4	
3	3,709.67	3	4,072.07	3	4,434.47	3	4,796.66	3	5,156.61	3		3		3		3		3	
1/4	3,717.22	1/4	4,079.62	1/4	4,442.02	1/4	4,804.18	1/4	5,164.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,724.77	1/2	4,087.17	1/2	4,449.57	1/2	4,811.70	1/2	5,171.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,732.32	3/4	4,094.72	3/4	4,457.12	3/4	4,819.22	3/4	5,178.96	3/4		3/4		3/4		3/4		3/4	
4	3,739.87	4	4,102.27	4	4,464.67	4	4,826.74	4	5,186.41	4		4		4		4		4	
1/4	3,747.42	1/4	4,109.82	1/4	4,472.22	1/4	4,834.26	1/4	5,193.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,754.97	1/2	4,117.37	1/2	4,479.77	1/2	4,841.78	1/2	5,201.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,762.52	3/4	4,124.92	3/4	4,487.32	3/4	4,849.30	3/4	5,208.77	3/4		3/4		3/4		3/4		3/4	
5	3,770.07	5	4,132.47	5	4,494.87	5	4,856.82	5	5,216.22	5		5		5		5		5	
1/4	3,777.62	1/4	4,140.02	1/4	4,502.42	1/4	4,864.34	1/4	5,223.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,785.17	1/2	4,147.57	1/2	4,509.97	1/2	4,871.87	1/2	5,230.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,792.72	3/4	4,155.12	3/4	4,517.52	3/4	4,879.39	3/4	5,236.92	3/4		3/4		3/4		3/4		3/4	
6	3,800.27	6	4,162.67	6	4,525.07	6	4,886.91	6	5,243.82	6		6		6		6		6	
1/4	3,807.82	1/4	4,170.22	1/4	4,532.62	1/4	4,894.43	1/4	5,249.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,815.37	1/2	4,177.77	1/2	4,540.17	1/2	4,901.95	1/2	5,255.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,822.92	3/4	4,185.32	3/4	4,547.72	3/4	4,909.47	3/4	5,260.98	3/4		3/4		3/4		3/4		3/4	
7	3,830.47	7	4,192.87	7	4,555.27	7	4,916.99	7	5,266.70	7		7		7		7		7	
1/4	3,838.02	1/4	4,200.42	1/4	4,562.82	1/4	4,924.51	1/4	5,271.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,845.57	1/2	4,207.97	1/2	4,570.37	1/2	4,932.03	1/2	5,275.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,853.12	3/4	4,215.52	3/4	4,577.92	3/4	4,939.55	3/4	5,280.16	3/4		3/4		3/4		3/4		3/4	
8	3,860.67	8	4,223.07	8	4,585.47	8	4,947.07	8	5,284.65	8		8		8		8		8	
1/4	3,868.22	1/4	4,230.62	1/4	4,593.02	1/4	4,954.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,875.77	1/2	4,238.17	1/2	4,600.57	1/2	4,962.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,883.32	3/4	4,245.72	3/4	4,608.12	3/4	4,969.64	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,890.87	9	4,253.27	9	4,615.67	9	4,977.16	9		9		9		9		9		9	
1/4	3,898.42	1/4	4,260.82	1/4	4,623.22	1/4	4,984.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,905.97	1/2	4,268.37	1/2	4,630.77	1/2	4,992.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,913.52	3/4	4,275.92	3/4	4,638.32	3/4	4,999.73	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,921.07	10	4,283.47	10	4,645.87	10	5,007.25	10		10		10		10		10		10	
1/4	3,928.62	1/4	4,291.02	1/4	4,653.42	1/4	5,014.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,936.17	1/2	4,298.57	1/2	4,660.97	1/2	5,022.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,943.72	3/4	4,306.12	3/4	4,668.52	3/4	5,029.82	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,951.27	11	4,313.67	11	4,676.07	11	5,037.34	11		11		11		11		11		11	
1/4	3,958.82	1/4	4,321.22	1/4	4,683.62	1/4	5,044.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,966.37	1/2	4,328.77	1/2	4,691.17	1/2	5,052.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,973.92	3/4	4,336.32	3/4	4,698.72	3/4	5,059.73	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2014 SW
CALCULATED: 01/04/2014 CL
PRINTED: 01/06/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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<http://www.pmacorp.net>



BARGE "CBR 2024"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	3,608.80	0	3,969.99	0	4,331.18	0	4,692.36	0	5,052.04	0		0		0		0		0	
1/4	3,616.33	1/4	3,977.51	1/4	4,338.70	1/4	4,699.89	1/4	5,059.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,623.85	1/2	3,985.04	1/2	4,346.23	1/2	4,707.41	1/2	5,066.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,631.38	3/4	3,992.56	3/4	4,353.75	3/4	4,714.94	3/4	5,074.32	3/4		3/4		3/4		3/4		3/4	
1	3,638.90	1	4,000.09	1	4,361.27	1	4,722.46	1	5,081.75	1		1		1		1		1	
1/4	3,646.43	1/4	4,007.61	1/4	4,368.80	1/4	4,729.96	1/4	5,089.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,653.95	1/2	4,015.14	1/2	4,376.32	1/2	4,737.45	1/2	5,096.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,661.48	3/4	4,022.66	3/4	4,383.85	3/4	4,744.95	3/4	5,104.03	3/4		3/4		3/4		3/4		3/4	
2	3,669.00	2	4,030.19	2	4,391.37	2	4,752.44	2	5,111.45	2		2		2		2		2	
1/4	3,676.53	1/4	4,037.71	1/4	4,398.90	1/4	4,759.94	1/4	5,118.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,684.05	1/2	4,045.24	1/2	4,406.42	1/2	4,767.43	1/2	5,126.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,691.58	3/4	4,052.76	3/4	4,413.95	3/4	4,774.93	3/4	5,133.73	3/4		3/4		3/4		3/4		3/4	
3	3,699.10	3	4,060.29	3	4,421.47	3	4,782.43	3	5,141.16	3		3		3		3		3	
1/4	3,706.63	1/4	4,067.81	1/4	4,429.00	1/4	4,789.92	1/4	5,148.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,714.15	1/2	4,075.34	1/2	4,436.52	1/2	4,797.42	1/2	5,156.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,721.67	3/4	4,082.86	3/4	4,444.05	3/4	4,804.91	3/4	5,163.44	3/4		3/4		3/4		3/4		3/4	
4	3,729.20	4	4,090.39	4	4,451.57	4	4,812.41	4	5,170.87	4		4		4		4		4	
1/4	3,736.72	1/4	4,097.91	1/4	4,459.10	1/4	4,819.90	1/4	5,178.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,744.25	1/2	4,105.43	1/2	4,466.62	1/2	4,827.40	1/2	5,185.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,751.77	3/4	4,112.96	3/4	4,474.14	3/4	4,834.90	3/4	5,193.14	3/4		3/4		3/4		3/4		3/4	
5	3,759.30	5	4,120.48	5	4,481.67	5	4,842.39	5	5,200.57	5		5		5		5		5	
1/4	3,766.82	1/4	4,128.01	1/4	4,489.19	1/4	4,849.89	1/4	5,207.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,774.35	1/2	4,135.53	1/2	4,496.72	1/2	4,857.38	1/2	5,214.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,781.87	3/4	4,143.06	3/4	4,504.24	3/4	4,864.88	3/4	5,221.20	3/4		3/4		3/4		3/4		3/4	
6	3,789.40	6	4,150.58	6	4,511.77	6	4,872.37	6	5,228.08	6		6		6		6		6	
1/4	3,796.92	1/4	4,158.11	1/4	4,519.29	1/4	4,879.87	1/4	5,233.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,804.45	1/2	4,165.63	1/2	4,526.82	1/2	4,887.36	1/2	5,239.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,811.97	3/4	4,173.16	3/4	4,534.34	3/4	4,894.86	3/4	5,245.18	3/4		3/4		3/4		3/4		3/4	
7	3,819.50	7	4,180.68	7	4,541.87	7	4,902.36	7	5,250.88	7		7		7		7		7	
1/4	3,827.02	1/4	4,188.21	1/4	4,549.39	1/4	4,909.85	1/4	5,255.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,834.55	1/2	4,195.73	1/2	4,556.92	1/2	4,917.35	1/2	5,259.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,842.07	3/4	4,203.26	3/4	4,564.44	3/4	4,924.84	3/4	5,264.29	3/4		3/4		3/4		3/4		3/4	
8	3,849.59	8	4,210.78	8	4,571.97	8	4,932.34	8	5,268.76	8		8		8		8		8	
1/4	3,857.12	1/4	4,218.31	1/4	4,579.49	1/4	4,939.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,864.64	1/2	4,225.83	1/2	4,587.02	1/2	4,947.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,872.17	3/4	4,233.35	3/4	4,594.54	3/4	4,954.82	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,879.69	9	4,240.88	9	4,602.06	9	4,962.32	9		9		9		9		9		9	
1/4	3,887.22	1/4	4,248.40	1/4	4,609.59	1/4	4,969.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,894.74	1/2	4,255.93	1/2	4,617.11	1/2	4,977.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,902.27	3/4	4,263.45	3/4	4,624.64	3/4	4,984.81	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,909.79	10	4,270.98	10	4,632.16	10	4,992.31	10		10		10		10		10		10	
1/4	3,917.32	1/4	4,278.50	1/4	4,639.69	1/4	4,999.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,924.84	1/2	4,286.03	1/2	4,647.21	1/2	5,007.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,932.37	3/4	4,293.55	3/4	4,654.74	3/4	5,014.80	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,939.89	11	4,301.08	11	4,662.26	11	5,022.30	11		11		11		11		11		11	
1/4	3,947.42	1/4	4,308.60	1/4	4,669.79	1/4	5,029.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,954.94	1/2	4,316.13	1/2	4,677.31	1/2	5,037.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,962.47	3/4	4,323.65	3/4	4,684.84	3/4	5,044.61	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2014 SW
CALCULATED: 01/04/2014 CL
PRINTED: 01/06/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

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



BARGE "CBR 2024"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-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	21.31	0	357.83	0	719.14	0	1,072.42	0	1,425.37	0	1,786.69	0	2,148.00	0	2,509.32	0	2,870.54	0	3,231.73
1/4	25.55	1/4	365.36	1/4	726.66	1/4	1,079.60	1/4	1,432.90	1/4	1,794.21	1/4	2,155.53	1/4	2,516.84	1/4	2,878.06	1/4	3,239.25
1/2	29.78	1/2	372.89	1/2	734.19	1/2	1,086.79	1/2	1,440.43	1/2	1,801.74	1/2	2,163.06	1/2	2,524.37	1/2	2,885.59	1/2	3,246.77
3/4	34.01	3/4	380.41	3/4	741.72	3/4	1,093.97	3/4	1,447.95	3/4	1,809.27	3/4	2,170.58	3/4	2,531.90	3/4	2,893.11	3/4	3,254.30
1	38.24	1	387.94	1	749.25	1	1,101.16	1	1,455.48	1	1,816.80	1	2,178.11	1	2,539.43	1	2,900.64	1	3,261.82
1/4	43.73	1/4	395.47	1/4	756.77	1/4	1,108.34	1/4	1,463.01	1/4	1,824.32	1/4	2,185.64	1/4	2,546.95	1/4	2,908.16	1/4	3,269.35
1/2	49.22	1/2	402.99	1/2	764.30	1/2	1,115.52	1/2	1,470.53	1/2	1,831.85	1/2	2,193.17	1/2	2,554.48	1/2	2,915.69	1/2	3,276.87
3/4	54.71	3/4	410.52	3/4	771.83	3/4	1,122.71	3/4	1,478.06	3/4	1,839.38	3/4	2,200.69	3/4	2,562.01	3/4	2,923.21	3/4	3,284.40
2	60.20	2	418.05	2	779.35	2	1,129.89	2	1,485.59	2	1,846.90	2	2,208.22	2	2,569.54	2	2,930.74	2	3,291.92
1/4	66.94	1/4	425.58	1/4	786.88	1/4	1,137.08	1/4	1,493.12	1/4	1,854.43	1/4	2,215.75	1/4	2,577.06	1/4	2,938.26	1/4	3,299.45
1/2	73.68	1/2	433.10	1/2	794.41	1/2	1,144.26	1/2	1,500.64	1/2	1,861.96	1/2	2,223.27	1/2	2,584.59	1/2	2,945.79	1/2	3,306.97
3/4	80.42	3/4	440.63	3/4	801.94	3/4	1,151.44	3/4	1,508.17	3/4	1,869.49	3/4	2,230.80	3/4	2,592.12	3/4	2,953.31	3/4	3,314.50
3	87.17	3	448.16	3	809.46	3	1,158.63	3	1,515.70	3	1,877.01	3	2,238.33	3	2,599.64	3	2,960.84	3	3,322.02
1/4	94.61	1/4	455.68	1/4	816.99	1/4	1,165.81	1/4	1,523.23	1/4	1,884.54	1/4	2,245.86	1/4	2,607.17	1/4	2,968.36	1/4	3,329.55
1/2	102.06	1/2	463.21	1/2	824.52	1/2	1,173.00	1/2	1,530.75	1/2	1,892.07	1/2	2,253.38	1/2	2,614.70	1/2	2,975.89	1/2	3,337.07
3/4	109.51	3/4	470.74	3/4	832.04	3/4	1,180.18	3/4	1,538.28	3/4	1,899.60	3/4	2,260.91	3/4	2,622.22	3/4	2,983.41	3/4	3,344.60
4	116.96	4	478.27	4	839.57	4	1,187.37	4	1,545.81	4	1,907.12	4	2,268.44	4	2,629.75	4	2,990.93	4	3,352.12
1/4	124.49	1/4	485.79	1/4	847.10	1/4	1,194.55	1/4	1,553.34	1/4	1,914.65	1/4	2,275.97	1/4	2,637.27	1/4	2,998.46	1/4	3,359.65
1/2	132.02	1/2	493.32	1/2	854.63	1/2	1,201.73	1/2	1,560.86	1/2	1,922.18	1/2	2,283.49	1/2	2,644.80	1/2	3,005.98	1/2	3,367.17
3/4	139.54	3/4	500.85	3/4	862.15	3/4	1,208.92	3/4	1,568.39	3/4	1,929.71	3/4	2,291.02	3/4	2,652.32	3/4	3,013.51	3/4	3,374.69
5	147.07	5	508.38	5	869.68	5	1,216.10	5	1,575.92	5	1,937.23	5	2,298.55	5	2,659.85	5	3,021.03	5	3,382.22
1/4	154.60	1/4	515.90	1/4	877.21	1/4	1,223.30	1/4	1,583.45	1/4	1,944.76	1/4	2,306.08	1/4	2,667.37	1/4	3,028.56	1/4	3,389.74
1/2	162.12	1/2	523.43	1/2	884.74	1/2	1,230.49	1/2	1,590.97	1/2	1,952.29	1/2	2,313.60	1/2	2,674.90	1/2	3,036.08	1/2	3,397.27
3/4	169.65	3/4	530.96	3/4	892.26	3/4	1,237.68	3/4	1,598.50	3/4	1,959.82	3/4	2,321.13	3/4	2,682.42	3/4	3,043.61	3/4	3,404.79
6	177.18	6	538.48	6	899.79	6	1,244.88	6	1,606.03	6	1,967.34	6	2,328.66	6	2,689.95	6	3,051.13	6	3,412.32
1/4	184.71	1/4	546.01	1/4	907.03	1/4	1,252.36	1/4	1,613.56	1/4	1,974.87	1/4	2,336.19	1/4	2,697.47	1/4	3,058.66	1/4	3,419.84
1/2	192.23	1/2	553.54	1/2	914.26	1/2	1,259.85	1/2	1,621.08	1/2	1,982.40	1/2	2,343.71	1/2	2,705.00	1/2	3,066.18	1/2	3,427.37
3/4	199.76	3/4	561.07	3/4	921.50	3/4	1,267.34	3/4	1,628.61	3/4	1,989.93	3/4	2,351.24	3/4	2,712.52	3/4	3,073.71	3/4	3,434.89
7	207.29	7	568.59	7	928.73	7	1,274.82	7	1,636.14	7	1,997.45	7	2,358.77	7	2,720.05	7	3,081.23	7	3,442.42
1/4	214.81	1/4	576.12	1/4	935.92	1/4	1,282.35	1/4	1,643.67	1/4	2,004.98	1/4	2,366.30	1/4	2,727.57	1/4	3,088.76	1/4	3,449.94
1/2	222.34	1/2	583.65	1/2	943.10	1/2	1,289.88	1/2	1,651.19	1/2	2,012.51	1/2	2,373.82	1/2	2,735.10	1/2	3,096.28	1/2	3,457.47
3/4	229.87	3/4	591.17	3/4	950.29	3/4	1,297.40	3/4	1,658.72	3/4	2,020.04	3/4	2,381.35	3/4	2,742.62	3/4	3,103.81	3/4	3,464.99
8	237.40	8	598.70	8	957.47	8	1,304.93	8	1,666.25	8	2,027.56	8	2,388.88	8	2,750.14	8	3,111.33	8	3,472.52
1/4	244.92	1/4	606.23	1/4	964.66	1/4	1,312.46	1/4	1,673.77	1/4	2,035.09	1/4	2,396.41	1/4	2,757.67	1/4	3,118.85	1/4	3,480.04
1/2	252.45	1/2	613.76	1/2	971.84	1/2	1,319.99	1/2	1,681.30	1/2	2,042.62	1/2	2,403.93	1/2	2,765.19	1/2	3,126.38	1/2	3,487.57
3/4	259.98	3/4	621.28	3/4	979.03	3/4	1,327.51	3/4	1,688.83	3/4	2,050.14	3/4	2,411.46	3/4	2,772.72	3/4	3,133.90	3/4	3,495.09
9	267.50	9	628.81	9	986.21	9	1,335.04	9	1,696.36	9	2,057.67	9	2,418.99	9	2,780.24	9	3,141.43	9	3,502.61
1/4	275.03	1/4	636.34	1/4	993.39	1/4	1,342.57	1/4	1,703.88	1/4	2,065.20	1/4	2,426.51	1/4	2,787.77	1/4	3,148.95	1/4	3,510.14
1/2	282.56	1/2	643.86	1/2	1,000.58	1/2	1,350.10	1/2	1,711.41	1/2	2,072.73	1/2	2,434.04	1/2	2,795.29	1/2	3,156.48	1/2	3,517.66
3/4	290.09	3/4	651.39	3/4	1,007.76	3/4	1,357.62	3/4	1,718.94	3/4	2,080.25	3/4	2,441.57	3/4	2,802.82	3/4	3,164.00	3/4	3,525.19
10	297.61	10	658.92	10	1,014.95	10	1,365.15	10	1,726.47	10	2,087.78	10	2,449.10	10	2,810.34	10	3,171.53	10	3,532.71
1/4	305.14	1/4	666.45	1/4	1,022.13	1/4	1,372.68	1/4	1,733.99	1/4	2,095.31	1/4	2,456.62	1/4	2,817.87	1/4	3,179.05	1/4	3,540.24
1/2	312.67	1/2	673.97	1/2	1,029.32	1/2	1,380.21	1/2	1,741.52	1/2	2,102.84	1/2	2,464.15	1/2	2,825.39	1/2	3,186.58	1/2	3,547.76
3/4	320.20	3/4	681.50	3/4	1,036.50	3/4	1,387.73	3/4	1,749.05	3/4	2,110.36	3/4	2,471.68	3/4	2,832.92	3/4	3,194.10	3/4	3,555.29
11	327.72	11	689.03	11	1,043.68	11	1,395.26	11	1,756.58	11	2,117.89	11	2,479.21	11	2,840.44	11	3,201.63	11	3,562.81
1/4	335.25	1/4	696.56	1/4	1,050.87	1/4	1,402.79	1/4	1,764.10	1/4	2,125.42	1/4	2,486.73	1/4	2,847.97	1/4	3,209.15	1/4	3,570.34
1/2	342.78	1/2	704.08	1/2	1,058.05	1/2	1,410.32	1/2	1,771.63	1/2	2,132.95	1/2	2,494.26	1/2	2,855.49	1/2	3,216.68	1/2	3,577.86
3/4	350.30	3/4	711.61	3/4	1,065.24	3/4	1,417.84	3/4	1,779.16	3/4	2,140.47	3/4	2,501.79	3/4	2,863.01	3/4	3,224.20	3/4	3,585.39

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 OF 2" DIAMETER "HERMETIC" CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





BARGE "CBR 2024"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-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	3,592.91	0	3,954.10	0	4,315.28	0	4,676.47	0	5,036.15	0		0		0		0		0	
1/4	3,600.44	1/4	3,961.62	1/4	4,322.81	1/4	4,683.99	1/4	5,043.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,607.96	1/2	3,969.15	1/2	4,330.33	1/2	4,691.52	1/2	5,051.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,615.48	3/4	3,976.67	3/4	4,337.86	3/4	4,699.04	3/4	5,058.43	3/4		3/4		3/4		3/4		3/4	
1	3,623.01	1	3,984.20	1	4,345.38	1	4,706.57	1	5,065.85	1		1		1		1		1	
1/4	3,630.53	1/4	3,991.72	1/4	4,352.91	1/4	4,714.06	1/4	5,073.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,638.06	1/2	3,999.24	1/2	4,360.43	1/2	4,721.56	1/2	5,080.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.58	3/4	4,006.77	3/4	4,367.95	3/4	4,729.05	3/4	5,088.13	3/4		3/4		3/4		3/4		3/4	
2	3,653.11	2	4,014.29	2	4,375.48	2	4,736.55	2	5,095.56	2		2		2		2		2	
1/4	3,660.63	1/4	4,021.82	1/4	4,383.00	1/4	4,744.05	1/4	5,102.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.16	1/2	4,029.34	1/2	4,390.53	1/2	4,751.54	1/2	5,110.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,675.68	3/4	4,036.87	3/4	4,398.05	3/4	4,759.04	3/4	5,117.84	3/4		3/4		3/4		3/4		3/4	
3	3,683.21	3	4,044.39	3	4,405.58	3	4,766.53	3	5,125.27	3		3		3		3		3	
1/4	3,690.73	1/4	4,051.92	1/4	4,413.10	1/4	4,774.03	1/4	5,132.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,698.26	1/2	4,059.44	1/2	4,420.63	1/2	4,781.52	1/2	5,140.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,705.78	3/4	4,066.97	3/4	4,428.15	3/4	4,789.02	3/4	5,147.55	3/4		3/4		3/4		3/4		3/4	
4	3,713.31	4	4,074.49	4	4,435.68	4	4,796.51	4	5,154.97	4		4		4		4		4	
1/4	3,720.83	1/4	4,082.02	1/4	4,443.20	1/4	4,804.01	1/4	5,162.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,728.36	1/2	4,089.54	1/2	4,450.73	1/2	4,811.51	1/2	5,169.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,735.88	3/4	4,097.07	3/4	4,458.25	3/4	4,819.00	3/4	5,177.25	3/4		3/4		3/4		3/4		3/4	
5	3,743.40	5	4,104.59	5	4,465.78	5	4,826.50	5	5,184.68	5		5		5		5		5	
1/4	3,750.93	1/4	4,112.12	1/4	4,473.30	1/4	4,833.99	1/4	5,191.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,758.45	1/2	4,119.64	1/2	4,480.83	1/2	4,841.49	1/2	5,198.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,765.98	3/4	4,127.16	3/4	4,488.35	3/4	4,848.98	3/4	5,205.31	3/4		3/4		3/4		3/4		3/4	
6	3,773.50	6	4,134.69	6	4,495.87	6	4,856.48	6	5,212.18	6		6		6		6		6	
1/4	3,781.03	1/4	4,142.21	1/4	4,503.40	1/4	4,863.97	1/4	5,217.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,788.55	1/2	4,149.74	1/2	4,510.92	1/2	4,871.47	1/2	5,223.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,796.08	3/4	4,157.26	3/4	4,518.45	3/4	4,878.97	3/4	5,229.29	3/4		3/4		3/4		3/4		3/4	
7	3,803.60	7	4,164.79	7	4,525.97	7	4,886.46	7	5,234.99	7		7		7		7		7	
1/4	3,811.13	1/4	4,172.31	1/4	4,533.50	1/4	4,893.96	1/4	5,239.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,818.65	1/2	4,179.84	1/2	4,541.02	1/2	4,901.45	1/2	5,243.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,826.18	3/4	4,187.36	3/4	4,548.55	3/4	4,908.95	3/4	5,248.40	3/4		3/4		3/4		3/4		3/4	
8	3,833.70	8	4,194.89	8	4,556.07	8	4,916.44	8	5,252.87	8		8		8		8		8	
1/4	3,841.23	1/4	4,202.41	1/4	4,563.60	1/4	4,923.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,848.75	1/2	4,209.94	1/2	4,571.12	1/2	4,931.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,856.28	3/4	4,217.46	3/4	4,578.65	3/4	4,938.93	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,863.80	9	4,224.99	9	4,586.17	9	4,946.43	9		9		9		9		9		9	
1/4	3,871.32	1/4	4,232.51	1/4	4,593.70	1/4	4,953.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,878.85	1/2	4,240.04	1/2	4,601.22	1/2	4,961.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,886.37	3/4	4,247.56	3/4	4,608.75	3/4	4,968.92	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,893.90	10	4,255.08	10	4,616.27	10	4,976.42	10		10		10		10		10		10	
1/4	3,901.42	1/4	4,262.61	1/4	4,623.79	1/4	4,983.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,908.95	1/2	4,270.13	1/2	4,631.32	1/2	4,991.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,916.47	3/4	4,277.66	3/4	4,638.84	3/4	4,998.91	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,924.00	11	4,285.18	11	4,646.37	11	5,006.41	11		11		11		11		11		11	
1/4	3,931.52	1/4	4,292.71	1/4	4,653.89	1/4	5,013.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,939.05	1/2	4,300.23	1/2	4,661.42	1/2	5,021.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,946.57	3/4	4,307.76	3/4	4,668.94	3/4	5,028.71	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2014 SW
CALCULATED: 01/04/2014 CL
PRINTED: 01/06/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBR 2024"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-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	21.24	0	356.55	0	716.55	0	1,076.36	0	1,436.21	0	1,796.23	0	2,156.23	0	2,516.16	0	2,875.91	0	3,234.77
1/4	25.46	1/4	364.05	1/4	724.05	1/4	1,083.85	1/4	1,443.71	1/4	1,803.73	1/4	2,163.73	1/4	2,523.66	1/4	2,883.40	1/4	3,242.22
1/2	29.67	1/2	371.55	1/2	731.55	1/2	1,091.34	1/2	1,451.21	1/2	1,811.23	1/2	2,171.23	1/2	2,531.16	1/2	2,890.88	1/2	3,249.67
3/4	33.89	3/4	379.05	3/4	739.05	3/4	1,098.83	3/4	1,458.71	3/4	1,818.73	3/4	2,178.72	3/4	2,538.66	3/4	2,898.36	3/4	3,257.12
1	38.11	1	386.55	1	746.55	1	1,106.33	1	1,466.21	1	1,826.23	1	2,186.22	1	2,546.16	1	2,905.85	1	3,264.57
1/4	43.58	1/4	394.05	1/4	754.05	1/4	1,113.82	1/4	1,473.72	1/4	1,833.73	1/4	2,193.72	1/4	2,553.65	1/4	2,913.33	1/4	3,272.02
1/2	49.05	1/2	401.55	1/2	761.55	1/2	1,121.31	1/2	1,481.22	1/2	1,841.23	1/2	2,201.22	1/2	2,561.15	1/2	2,920.82	1/2	3,279.48
3/4	54.52	3/4	409.05	3/4	769.05	3/4	1,128.80	3/4	1,488.72	3/4	1,848.74	3/4	2,208.72	3/4	2,568.65	3/4	2,928.30	3/4	3,286.93
2	59.98	2	416.55	2	776.55	2	1,136.29	2	1,496.22	2	1,856.24	2	2,216.22	2	2,576.15	2	2,935.79	2	3,294.38
1/4	66.70	1/4	424.05	1/4	784.05	1/4	1,143.78	1/4	1,503.72	1/4	1,863.74	1/4	2,223.72	1/4	2,583.65	1/4	2,943.27	1/4	3,301.83
1/2	73.42	1/2	431.55	1/2	791.55	1/2	1,151.27	1/2	1,511.22	1/2	1,871.24	1/2	2,231.21	1/2	2,591.15	1/2	2,950.76	1/2	3,309.28
3/4	80.14	3/4	439.05	3/4	799.05	3/4	1,158.76	3/4	1,518.72	3/4	1,878.74	3/4	2,238.71	3/4	2,598.65	3/4	2,958.24	3/4	3,316.73
3	86.86	3	446.55	3	806.55	3	1,166.25	3	1,526.22	3	1,886.24	3	2,246.21	3	2,606.14	3	2,965.72	3	3,324.18
1/4	94.28	1/4	454.05	1/4	814.06	1/4	1,173.74	1/4	1,533.72	1/4	1,893.74	1/4	2,253.71	1/4	2,613.64	1/4	2,973.21	1/4	3,331.64
1/2	101.70	1/2	461.55	1/2	821.56	1/2	1,181.24	1/2	1,541.22	1/2	1,901.24	1/2	2,261.21	1/2	2,621.14	1/2	2,980.69	1/2	3,339.10
3/4	109.12	3/4	469.05	3/4	829.06	3/4	1,188.73	3/4	1,548.72	3/4	1,908.74	3/4	2,268.71	3/4	2,628.64	3/4	2,988.18	3/4	3,346.57
4	116.55	4	476.55	4	836.56	4	1,196.22	4	1,556.22	4	1,916.24	4	2,276.21	4	2,636.14	4	2,995.66	4	3,354.03
1/4	124.05	1/4	484.05	1/4	844.06	1/4	1,203.71	1/4	1,563.72	1/4	1,923.74	1/4	2,283.71	1/4	2,643.64	1/4	3,003.15	1/4	3,361.50
1/2	131.55	1/2	491.55	1/2	851.56	1/2	1,211.21	1/2	1,571.22	1/2	1,931.24	1/2	2,291.20	1/2	2,651.13	1/2	3,010.63	1/2	3,368.96
3/4	139.05	3/4	499.05	3/4	859.06	3/4	1,218.71	3/4	1,578.72	3/4	1,938.74	3/4	2,298.70	3/4	2,658.63	3/4	3,018.12	3/4	3,376.43
5	146.55	5	506.55	5	866.56	5	1,226.20	5	1,586.22	5	1,946.24	5	2,306.20	5	2,666.13	5	3,025.60	5	3,383.90
1/4	154.05	1/4	514.05	1/4	874.06	1/4	1,233.70	1/4	1,593.72	1/4	1,953.74	1/4	2,313.70	1/4	2,673.62	1/4	3,033.09	1/4	3,391.36
1/2	161.55	1/2	521.55	1/2	881.56	1/2	1,241.20	1/2	1,601.22	1/2	1,961.24	1/2	2,321.20	1/2	2,681.12	1/2	3,040.57	1/2	3,398.83
3/4	169.05	3/4	529.05	3/4	889.06	3/4	1,248.70	3/4	1,608.72	3/4	1,968.74	3/4	2,328.70	3/4	2,688.62	3/4	3,048.05	3/4	3,406.29
6	176.55	6	536.55	6	896.56	6	1,256.20	6	1,616.22	6	1,976.24	6	2,336.20	6	2,696.12	6	3,055.54	6	3,413.76
1/4	184.05	1/4	544.05	1/4	904.05	1/4	1,263.70	1/4	1,623.72	1/4	1,983.74	1/4	2,343.69	1/4	2,703.61	1/4	3,063.02	1/4	3,421.23
1/2	191.55	1/2	551.55	1/2	911.55	1/2	1,271.20	1/2	1,631.22	1/2	1,991.24	1/2	2,351.19	1/2	2,711.11	1/2	3,070.51	1/2	3,428.69
3/4	199.05	3/4	559.05	3/4	919.04	3/4	1,278.71	3/4	1,638.72	3/4	1,998.74	3/4	2,358.69	3/4	2,718.61	3/4	3,077.99	3/4	3,436.16
7	206.55	7	566.55	7	926.54	7	1,286.21	7	1,646.22	7	2,006.24	7	2,366.19	7	2,726.10	7	3,085.48	7	3,443.62
1/4	214.05	1/4	574.05	1/4	934.03	1/4	1,293.71	1/4	1,653.72	1/4	2,013.74	1/4	2,373.69	1/4	2,733.60	1/4	3,092.96	1/4	3,451.09
1/2	221.55	1/2	581.55	1/2	941.52	1/2	1,301.21	1/2	1,661.23	1/2	2,021.24	1/2	2,381.19	1/2	2,741.10	1/2	3,100.45	1/2	3,458.56
3/4	229.05	3/4	589.05	3/4	949.01	3/4	1,308.71	3/4	1,668.73	3/4	2,028.74	3/4	2,388.69	3/4	2,748.60	3/4	3,107.93	3/4	3,466.02
8	236.55	8	596.55	8	956.50	8	1,316.21	8	1,676.23	8	2,036.25	8	2,396.18	8	2,756.09	8	3,115.41	8	3,473.49
1/4	244.05	1/4	604.05	1/4	964.00	1/4	1,323.71	1/4	1,683.73	1/4	2,043.75	1/4	2,403.68	1/4	2,763.59	1/4	3,122.90	1/4	3,480.95
1/2	251.55	1/2	611.55	1/2	971.49	1/2	1,331.21	1/2	1,691.23	1/2	2,051.25	1/2	2,411.18	1/2	2,771.09	1/2	3,130.38	1/2	3,488.42
3/4	259.05	3/4	619.05	3/4	978.98	3/4	1,338.71	3/4	1,698.73	3/4	2,058.75	3/4	2,418.68	3/4	2,778.59	3/4	3,137.87	3/4	3,495.88
9	266.55	9	626.55	9	986.47	9	1,346.21	9	1,706.23	9	2,066.25	9	2,426.18	9	2,786.09	9	3,145.35	9	3,503.35
1/4	274.05	1/4	634.05	1/4	993.96	1/4	1,353.71	1/4	1,713.73	1/4	2,073.74	1/4	2,433.68	1/4	2,793.58	1/4	3,152.81	1/4	3,507.81
1/2	281.55	1/2	641.55	1/2	1,001.45	1/2	1,361.21	1/2	1,721.23	1/2	2,081.24	1/2	2,441.18	1/2	2,801.06	1/2	3,160.26	1/2	3,512.28
3/4	289.05	3/4	649.05	3/4	1,008.94	3/4	1,368.71	3/4	1,728.73	3/4	2,088.74	3/4	2,448.67	3/4	2,808.55	3/4	3,167.72	3/4	3,516.74
10	296.55	10	656.55	10	1,016.43	10	1,376.21	10	1,736.23	10	2,096.24	10	2,456.17	10	2,816.03	10	3,175.17	10	3,521.21
1/4	304.05	1/4	664.05	1/4	1,023.92	1/4	1,383.71	1/4	1,743.73	1/4	2,103.74	1/4	2,463.67	1/4	2,823.52	1/4	3,182.62	1/4	3,525.24
1/2	311.55	1/2	671.55	1/2	1,031.42	1/2	1,391.21	1/2	1,751.23	1/2	2,111.24	1/2	2,471.17	1/2	2,831.00	1/2	3,190.07	1/2	3,529.28
3/4	319.05	3/4	679.05	3/4	1,038.91	3/4	1,398.71	3/4	1,758.73	3/4	2,118.74	3/4	2,478.67	3/4	2,838.49	3/4	3,197.52	3/4	3,533.31
11	326.55	11	686.55	11	1,046.40	11	1,406.21	11	1,766.23	11	2,126.23	11	2,486.17	11	2,845.97	11	3,204.97	11	3,537.35
1/4	334.05	1/4	694.05	1/4	1,053.89	1/4	1,413.71	1/4	1,773.73	1/4	2,133.73	1/4	2,493.67	1/4	2,853.46	1/4	3,212.42	1/4	3,541.38
1/2	341.55	1/2	701.55	1/2	1,061.38	1/2	1,421.21	1/2	1,781.23	1/2	2,141.23	1/2	2,501.16	1/2	2,860.94	1/2	3,219.87	1/2	3,545.42
3/4	349.05	3/4	709.05	3/4	1,068.87	3/4	1,428.71	3/4	1,788.73	3/4	2,148.73	3/4	2,508.66	3/4	2,868.43	3/4	3,227.32	3/4	3,549.46

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 OF 2" DIAMETER "HERMETIC" CLOSED GAUGING VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBR 2024"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-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	3,553.49	0	3,747.19	0	3,940.90	0	4,134.60	0	4,327.53	0		0		0		0		0	
1/4	3,557.53	1/4	3,751.23	1/4	3,944.93	1/4	4,138.64	1/4	4,331.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,561.56	1/2	3,755.27	1/2	3,948.97	1/2	4,142.67	1/2	4,335.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,565.60	3/4	3,759.30	3/4	3,953.01	3/4	4,146.71	3/4	4,339.48	3/4		3/4		3/4		3/4		3/4	
1	3,569.63	1	3,763.34	1	3,957.04	1	4,150.74	1	4,343.46	1		1		1		1		1	
1/4	3,573.67	1/4	3,767.37	1/4	3,961.08	1/4	4,154.77	1/4	4,347.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,577.70	1/2	3,771.41	1/2	3,965.11	1/2	4,158.79	1/2	4,351.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,581.74	3/4	3,775.44	3/4	3,969.15	3/4	4,162.81	3/4	4,355.41	3/4		3/4		3/4		3/4		3/4	
2	3,585.77	2	3,779.48	2	3,973.18	2	4,166.83	2	4,359.39	2		2		2		2		2	
1/4	3,589.81	1/4	3,783.51	1/4	3,977.22	1/4	4,170.85	1/4	4,363.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,593.85	1/2	3,787.55	1/2	3,981.25	1/2	4,174.87	1/2	4,367.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,597.88	3/4	3,791.59	3/4	3,985.29	3/4	4,178.89	3/4	4,371.34	3/4		3/4		3/4		3/4		3/4	
3	3,601.92	3	3,795.62	3	3,989.32	3	4,182.91	3	4,375.32	3		3		3		3		3	
1/4	3,605.95	1/4	3,799.66	1/4	3,993.36	1/4	4,186.93	1/4	4,379.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,609.99	1/2	3,803.69	1/2	3,997.40	1/2	4,190.95	1/2	4,383.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,614.02	3/4	3,807.73	3/4	4,001.43	3/4	4,194.98	3/4	4,387.27	3/4		3/4		3/4		3/4		3/4	
4	3,618.06	4	3,811.76	4	4,005.47	4	4,199.00	4	4,391.25	4		4		4		4		4	
1/4	3,622.09	1/4	3,815.80	1/4	4,009.50	1/4	4,203.02	1/4	4,395.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,626.13	1/2	3,819.83	1/2	4,013.54	1/2	4,207.04	1/2	4,399.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,630.17	3/4	3,823.87	3/4	4,017.57	3/4	4,211.06	3/4	4,403.20	3/4		3/4		3/4		3/4		3/4	
5	3,634.20	5	3,827.90	5	4,021.61	5	4,215.08	5	4,407.18	5		5		5		5		5	
1/4	3,638.24	1/4	3,831.94	1/4	4,025.64	1/4	4,219.10	1/4	4,410.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.27	1/2	3,835.98	1/2	4,029.68	1/2	4,223.12	1/2	4,414.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,646.31	3/4	3,840.01	3/4	4,033.72	3/4	4,227.14	3/4	4,417.49	3/4		3/4		3/4		3/4		3/4	
6	3,650.34	6	3,844.05	6	4,037.75	6	4,231.16	6	4,420.93	6		6		6		6		6	
1/4	3,654.38	1/4	3,848.08	1/4	4,041.79	1/4	4,235.18	1/4	4,423.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,658.41	1/2	3,852.12	1/2	4,045.82	1/2	4,239.21	1/2	4,425.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,662.45	3/4	3,856.15	3/4	4,049.86	3/4	4,243.23	3/4	4,427.72	3/4		3/4		3/4		3/4		3/4	
7	3,666.48	7	3,860.19	7	4,053.89	7	4,247.25	7	4,429.98	7		7		7		7		7	
1/4	3,670.52	1/4	3,864.22	1/4	4,057.93	1/4	4,251.27	1/4	4,431.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,674.56	1/2	3,868.26	1/2	4,061.96	1/2	4,255.29	1/2	4,432.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.59	3/4	3,872.30	3/4	4,066.00	3/4	4,259.31	3/4	4,433.06	3/4		3/4		3/4		3/4		3/4	
8	3,682.63	8	3,876.33	8	4,070.03	8	4,263.33	8	4,434.09	8		8		8		8		8	
1/4	3,686.66	1/4	3,880.37	1/4	4,074.07	1/4	4,267.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,690.70	1/2	3,884.40	1/2	4,078.11	1/2	4,271.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,694.73	3/4	3,888.44	3/4	4,082.14	3/4	4,275.39	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,698.77	9	3,892.47	9	4,086.18	9	4,279.41	9		9		9		9		9		9	
1/4	3,702.80	1/4	3,896.51	1/4	4,090.21	1/4	4,283.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,706.84	1/2	3,900.54	1/2	4,094.25	1/2	4,287.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,710.88	3/4	3,904.58	3/4	4,098.28	3/4	4,291.48	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,714.91	10	3,908.61	10	4,102.32	10	4,295.50	10		10		10		10		10		10	
1/4	3,718.95	1/4	3,912.65	1/4	4,106.35	1/4	4,299.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.98	1/2	3,916.69	1/2	4,110.39	1/2	4,303.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,727.02	3/4	3,920.72	3/4	4,114.43	3/4	4,307.56	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,731.05	11	3,924.76	11	4,118.46	11	4,311.58	11		11		11		11		11		11	
1/4	3,735.09	1/4	3,928.79	1/4	4,122.50	1/4	4,315.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,739.12	1/2	3,932.83	1/2	4,126.53	1/2	4,319.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.16	3/4	3,936.86	3/4	4,130.57	3/4	4,323.54	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2014 SW
CALCULATED: 01/04/2014 CL
PRINTED: 01/06/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

PRECISION MEASUREMENT
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BARGE "CBR 2024"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.24	0	356.03	0	715.48	0	1,063.38	0	1,416.24	0	1,775.06	0	2,134.38	0	2,493.65	0	2,852.72	0	3,210.73
1/4	25.46	1/4	363.52	1/4	722.97	1/4	1,070.53	1/4	1,423.66	1/4	1,782.55	1/4	2,141.87	1/4	2,501.13	1/4	2,860.19	1/4	3,218.17
1/2	29.67	1/2	371.01	1/2	730.46	1/2	1,077.68	1/2	1,431.09	1/2	1,790.03	1/2	2,149.35	1/2	2,508.61	1/2	2,867.66	1/2	3,225.60
3/4	33.89	3/4	378.50	3/4	737.94	3/4	1,084.83	3/4	1,438.51	3/4	1,797.52	3/4	2,156.84	3/4	2,516.10	3/4	2,875.13	3/4	3,233.04
1	38.11	1	385.99	1	745.43	1	1,091.98	1	1,445.94	1	1,805.01	1	2,164.32	1	2,523.58	1	2,882.60	1	3,240.48
1/4	43.57	1/4	393.47	1/4	752.92	1/4	1,099.13	1/4	1,453.36	1/4	1,812.49	1/4	2,171.81	1/4	2,531.07	1/4	2,890.07	1/4	3,247.91
1/2	49.03	1/2	400.96	1/2	760.41	1/2	1,106.28	1/2	1,460.79	1/2	1,819.98	1/2	2,179.29	1/2	2,538.55	1/2	2,897.53	1/2	3,255.35
3/4	54.49	3/4	408.45	3/4	767.90	3/4	1,113.43	3/4	1,468.21	3/4	1,827.47	3/4	2,186.78	3/4	2,546.04	3/4	2,905.00	3/4	3,262.79
2	59.95	2	415.94	2	775.39	2	1,120.59	2	1,475.64	2	1,834.95	2	2,194.26	2	2,553.52	2	2,912.46	2	3,270.22
1/4	66.64	1/4	423.43	1/4	782.88	1/4	1,127.74	1/4	1,483.12	1/4	1,842.44	1/4	2,201.75	1/4	2,561.01	1/4	2,919.92	1/4	3,277.66
1/2	73.34	1/2	430.92	1/2	790.36	1/2	1,134.89	1/2	1,490.59	1/2	1,849.93	1/2	2,209.23	1/2	2,568.49	1/2	2,927.39	1/2	3,285.10
3/4	80.04	3/4	438.40	3/4	797.85	3/4	1,142.04	3/4	1,498.07	3/4	1,857.41	3/4	2,217.72	3/4	2,575.98	3/4	2,934.85	3/4	3,292.53
3	86.74	3	445.89	3	805.34	3	1,149.19	3	1,505.55	3	1,864.90	3	2,224.20	3	2,583.46	3	2,942.31	3	3,299.97
1/4	94.15	1/4	453.38	1/4	812.58	1/4	1,156.59	1/4	1,513.04	1/4	1,872.39	1/4	2,231.68	1/4	2,590.94	1/4	2,949.77	1/4	3,307.42
1/2	101.56	1/2	460.87	1/2	819.82	1/2	1,163.99	1/2	1,520.52	1/2	1,879.87	1/2	2,239.17	1/2	2,598.43	1/2	2,957.24	1/2	3,314.87
3/4	108.97	3/4	468.36	3/4	827.06	3/4	1,171.39	3/4	1,528.01	3/4	1,887.36	3/4	2,246.65	3/4	2,605.91	3/4	2,964.70	3/4	3,322.32
4	116.38	4	475.85	4	834.30	4	1,178.79	4	1,535.50	4	1,894.84	4	2,254.14	4	2,613.40	4	2,972.16	4	3,329.77
1/4	123.87	1/4	483.34	1/4	841.48	1/4	1,186.20	1/4	1,542.98	1/4	1,902.33	1/4	2,261.62	1/4	2,620.88	1/4	2,979.63	1/4	3,337.22
1/2	131.36	1/2	490.82	1/2	848.66	1/2	1,193.60	1/2	1,550.47	1/2	1,909.82	1/2	2,269.11	1/2	2,628.36	1/2	2,987.09	1/2	3,344.67
3/4	138.86	3/4	498.31	3/4	855.84	3/4	1,201.01	3/4	1,557.96	3/4	1,917.30	3/4	2,276.59	3/4	2,635.85	3/4	2,994.55	3/4	3,352.12
5	146.35	5	505.80	5	863.02	5	1,208.42	5	1,565.44	5	1,924.79	5	2,284.08	5	2,643.33	5	3,002.02	5	3,359.57
1/4	153.84	1/4	513.29	1/4	870.20	1/4	1,215.83	1/4	1,572.93	1/4	1,932.28	1/4	2,291.56	1/4	2,650.81	1/4	3,009.48	1/4	3,367.03
1/2	161.33	1/2	520.78	1/2	877.38	1/2	1,223.24	1/2	1,580.42	1/2	1,939.76	1/2	2,299.05	1/2	2,658.30	1/2	3,016.94	1/2	3,374.48
3/4	168.82	3/4	528.27	3/4	884.55	3/4	1,230.65	3/4	1,587.90	3/4	1,947.25	3/4	2,306.53	3/4	2,665.78	3/4	3,024.40	3/4	3,381.93
6	176.31	6	535.76	6	891.73	6	1,238.05	6	1,595.39	6	1,954.74	6	2,314.01	6	2,673.26	6	3,031.87	6	3,389.38
1/4	183.80	1/4	543.24	1/4	898.89	1/4	1,245.48	1/4	1,602.87	1/4	1,962.22	1/4	2,321.50	1/4	2,680.75	1/4	3,039.33	1/4	3,396.83
1/2	191.28	1/2	550.73	1/2	906.04	1/2	1,252.90	1/2	1,610.36	1/2	1,969.71	1/2	2,328.98	1/2	2,688.23	1/2	3,046.79	1/2	3,404.28
3/4	198.77	3/4	558.22	3/4	913.20	3/4	1,260.32	3/4	1,617.85	3/4	1,977.19	3/4	2,336.47	3/4	2,695.71	3/4	3,054.26	3/4	3,411.74
7	206.26	7	565.71	7	920.36	7	1,267.75	7	1,625.33	7	1,984.68	7	2,343.95	7	2,703.20	7	3,061.72	7	3,419.19
1/4	213.75	1/4	573.20	1/4	927.51	1/4	1,275.17	1/4	1,632.82	1/4	1,992.17	1/4	2,351.44	1/4	2,710.68	1/4	3,069.19	1/4	3,426.64
1/2	221.24	1/2	580.69	1/2	934.66	1/2	1,282.59	1/2	1,640.31	1/2	1,999.65	1/2	2,358.92	1/2	2,718.16	1/2	3,076.66	1/2	3,434.09
3/4	228.73	3/4	588.17	3/4	941.81	3/4	1,290.02	3/4	1,647.79	3/4	2,007.14	3/4	2,366.41	3/4	2,725.65	3/4	3,084.13	3/4	3,441.54
8	236.22	8	595.66	8	948.96	8	1,297.44	8	1,655.28	8	2,014.63	8	2,373.89	8	2,733.13	8	3,091.60	8	3,449.00
1/4	243.70	1/4	603.15	1/4	956.11	1/4	1,304.87	1/4	1,662.77	1/4	2,022.11	1/4	2,381.38	1/4	2,740.62	1/4	3,099.07	1/4	3,456.45
1/2	251.19	1/2	610.64	1/2	963.26	1/2	1,312.29	1/2	1,670.25	1/2	2,029.60	1/2	2,388.86	1/2	2,748.10	1/2	3,106.54	1/2	3,463.90
3/4	258.68	3/4	618.13	3/4	970.41	3/4	1,319.72	3/4	1,677.74	3/4	2,037.08	3/4	2,396.35	3/4	2,755.58	3/4	3,114.01	3/4	3,471.35
9	266.17	9	625.62	9	977.57	9	1,327.14	9	1,685.23	9	2,044.57	9	2,403.83	9	2,763.07	9	3,121.48	9	3,478.80
1/4	273.66	1/4	633.11	1/4	984.72	1/4	1,334.57	1/4	1,692.71	1/4	2,052.05	1/4	2,411.31	1/4	2,770.54	1/4	3,128.92	1/4	3,486.25
1/2	281.15	1/2	640.59	1/2	991.87	1/2	1,341.99	1/2	1,700.20	1/2	2,059.54	1/2	2,418.80	1/2	2,778.01	1/2	3,136.36	1/2	3,487.70
3/4	288.63	3/4	648.08	3/4	999.02	3/4	1,349.42	3/4	1,707.68	3/4	2,067.02	3/4	2,426.28	3/4	2,785.49	3/4	3,143.80	3/4	3,492.15
10	296.12	10	655.57	10	1,006.17	10	1,356.84	10	1,715.17	10	2,074.51	10	2,433.77	10	2,792.96	10	3,151.24	10	3,496.61
1/4	303.61	1/4	663.06	1/4	1,013.32	1/4	1,364.27	1/4	1,722.66	1/4	2,081.99	1/4	2,441.25	1/4	2,800.43	1/4	3,158.68	1/4	3,500.63
1/2	311.10	1/2	670.55	1/2	1,020.47	1/2	1,371.69	1/2	1,730.14	1/2	2,089.48	1/2	2,448.74	1/2	2,807.90	1/2	3,166.11	1/2	3,504.65
3/4	318.59	3/4	678.04	3/4	1,027.62	3/4	1,379.12	3/4	1,737.63	3/4	2,096.96	3/4	2,456.22	3/4	2,815.37	3/4	3,173.55	3/4	3,508.67
11	326.08	11	685.53	11	1,034.77	11	1,386.54	11	1,745.12	11	2,104.45	11	2,463.71	11	2,822.84	11	3,180.99	11	3,512.69
1/4	333.57	1/4	693.01	1/4	1,041.92	1/4	1,393.96	1/4	1,752.60	1/4	2,111.93	1/4	2,471.19	1/4	2,830.31	1/4	3,188.42	1/4	3,516.71
1/2	341.05	1/2	700.50	1/2	1,049.08	1/2	1,401.39	1/2	1,760.09	1/2	2,119.42	1/2	2,478.68	1/2	2,837.78	1/2	3,195.86	1/2	3,520.73
3/4	348.54	3/4	707.99	3/4	1,056.23	3/4	1,408.81	3/4	1,767.58	3/4	2,126.90	3/4	2,486.16	3/4	2,845.25	3/4	3,203.30	3/4	3,524.76

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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BARGE "CBR 2024"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,528.78	0	3,721.81	0	3,914.84	0	4,107.87	0	4,300.13	0		0		0		0		0	
1/4	3,532.80	1/4	3,725.83	1/4	3,918.86	1/4	4,111.89	1/4	4,304.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,536.82	1/2	3,729.85	1/2	3,922.88	1/2	4,115.92	1/2	4,308.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,540.84	3/4	3,733.87	3/4	3,926.91	3/4	4,119.94	3/4	4,312.03	3/4		3/4		3/4		3/4		3/4	
1	3,544.86	1	3,737.90	1	3,930.93	1	4,123.96	1	4,316.00	1		1		1		1		1	
1/4	3,548.88	1/4	3,741.92	1/4	3,934.95	1/4	4,127.97	1/4	4,319.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,552.91	1/2	3,745.94	1/2	3,938.97	1/2	4,131.97	1/2	4,323.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,556.93	3/4	3,749.96	3/4	3,942.99	3/4	4,135.98	3/4	4,327.91	3/4		3/4		3/4		3/4		3/4	
2	3,560.95	2	3,753.98	2	3,947.01	2	4,139.99	2	4,331.88	2		2		2		2		2	
1/4	3,564.97	1/4	3,758.00	1/4	3,951.03	1/4	4,143.99	1/4	4,335.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,568.99	1/2	3,762.02	1/2	3,955.06	1/2	4,148.00	1/2	4,339.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,573.01	3/4	3,766.05	3/4	3,959.08	3/4	4,152.01	3/4	4,343.78	3/4		3/4		3/4		3/4		3/4	
3	3,577.04	3	3,770.07	3	3,963.10	3	4,156.01	3	4,347.75	3		3		3		3		3	
1/4	3,581.06	1/4	3,774.09	1/4	3,967.12	1/4	4,160.02	1/4	4,351.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,585.08	1/2	3,778.11	1/2	3,971.14	1/2	4,164.03	1/2	4,355.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,589.10	3/4	3,782.13	3/4	3,975.16	3/4	4,168.04	3/4	4,359.66	3/4		3/4		3/4		3/4		3/4	
4	3,593.12	4	3,786.15	4	3,979.19	4	4,172.04	4	4,363.62	4		4		4		4		4	
1/4	3,597.14	1/4	3,790.17	1/4	3,983.21	1/4	4,176.05	1/4	4,367.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,601.16	1/2	3,794.20	1/2	3,987.23	1/2	4,180.06	1/2	4,371.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,605.19	3/4	3,798.22	3/4	3,991.25	3/4	4,184.06	3/4	4,375.53	3/4		3/4		3/4		3/4		3/4	
5	3,609.21	5	3,802.24	5	3,995.27	5	4,188.07	5	4,379.50	5		5		5		5		5	
1/4	3,613.23	1/4	3,806.26	1/4	3,999.29	1/4	4,192.08	1/4	4,382.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,617.25	1/2	3,810.28	1/2	4,003.31	1/2	4,196.08	1/2	4,386.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,621.27	3/4	3,814.30	3/4	4,007.34	3/4	4,200.09	3/4	4,389.76	3/4		3/4		3/4		3/4		3/4	
6	3,625.29	6	3,818.33	6	4,011.36	6	4,204.10	6	4,393.19	6		6		6		6		6	
1/4	3,629.31	1/4	3,822.35	1/4	4,015.38	1/4	4,208.10	1/4	4,395.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,633.34	1/2	3,826.37	1/2	4,019.40	1/2	4,212.11	1/2	4,397.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,637.36	3/4	3,830.39	3/4	4,023.42	3/4	4,216.12	3/4	4,399.94	3/4		3/4		3/4		3/4		3/4	
7	3,641.38	7	3,834.41	7	4,027.44	7	4,220.12	7	4,402.19	7		7		7		7		7	
1/4	3,645.40	1/4	3,838.43	1/4	4,031.46	1/4	4,224.13	1/4	4,403.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,649.42	1/2	3,842.45	1/2	4,035.49	1/2	4,228.14	1/2	4,404.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,653.44	3/4	3,846.48	3/4	4,039.51	3/4	4,232.15	3/4	4,405.23	3/4		3/4		3/4		3/4		3/4	
8	3,657.47	8	3,850.50	8	4,043.53	8	4,236.15	8	4,406.24	8		8		8		8		8	
1/4	3,661.49	1/4	3,854.52	1/4	4,047.55	1/4	4,240.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,665.51	1/2	3,858.54	1/2	4,051.57	1/2	4,244.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,669.53	3/4	3,862.56	3/4	4,055.59	3/4	4,248.17	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,673.55	9	3,866.58	9	4,059.62	9	4,252.18	9		9		9		9		9		9	
1/4	3,677.57	1/4	3,870.60	1/4	4,063.64	1/4	4,256.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,681.59	1/2	3,874.63	1/2	4,067.66	1/2	4,260.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.62	3/4	3,878.65	3/4	4,071.68	3/4	4,264.20	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,689.64	10	3,882.67	10	4,075.70	10	4,268.21	10		10		10		10		10		10	
1/4	3,693.66	1/4	3,886.69	1/4	4,079.72	1/4	4,272.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.68	1/2	3,890.71	1/2	4,083.74	1/2	4,276.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,701.70	3/4	3,894.73	3/4	4,087.77	3/4	4,280.23	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,705.72	11	3,898.76	11	4,091.79	11	4,284.24	11		11		11		11		11		11	
1/4	3,709.74	1/4	3,902.78	1/4	4,095.81	1/4	4,288.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,713.77	1/2	3,906.80	1/2	4,099.83	1/2	4,292.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,717.79	3/4	3,910.82	3/4	4,103.85	3/4	4,296.16	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2014 SW
CALCULATED: 01/04/2014 CL
PRINTED: 01/06/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

PRECISION MEASUREMENT
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BARGE "CBR 2024"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/2	00-1/2
1 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/2	00-1/2
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-1/2	- 03-1/2
3 STBD	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-1/2	- 03-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-03"

January 2, 2014

PRECISION MEASUREMENT
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BARGE "CBR 2024"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4	4,956.49	1/4	4,594.92	1/4	4,232.52	1/4	3,870.12	1/4	3,507.72	1/4	3,145.32	1/4	2,782.92	1/4	2,420.44		
1/2		1/2	5,286.55	1/2	4,948.97	1/2	4,587.37	1/2	4,224.97	1/2	3,862.57	1/2	3,500.17	1/2	3,137.77	1/2	2,775.37	1/2	2,412.89		
3/4		3/4	5,282.06	3/4	4,941.45	3/4	4,579.82	3/4	4,217.42	3/4	3,855.02	3/4	3,492.62	3/4	3,130.22	3/4	2,767.82	3/4	2,405.33		
1	1	1	5,277.58	1	4,933.93	1	4,572.27	1	4,209.87	1	3,847.47	1	3,485.07	1	3,122.67	1	2,760.27	1	2,397.78		
1/4		1/4	5,273.09	1/4	4,926.41	1/4	4,564.72	1/4	4,202.32	1/4	3,839.92	1/4	3,477.52	1/4	3,115.12	1/4	2,752.72	1/4	2,390.23		
1/2		1/2	5,268.60	1/2	4,918.89	1/2	4,557.17	1/2	4,194.77	1/2	3,832.37	1/2	3,469.97	1/2	3,107.57	1/2	2,745.17	1/2	2,382.68		
3/4		3/4	5,262.88	3/4	4,911.37	3/4	4,549.62	3/4	4,187.22	3/4	3,824.82	3/4	3,462.42	3/4	3,100.02	3/4	2,737.62	3/4	2,375.12		
2	2	2	5,257.16	2	4,903.85	2	4,542.07	2	4,179.67	2	3,817.27	2	3,454.87	2	3,092.47	2	2,730.07	2	2,367.57		
1/4		1/4	5,251.44	1/4	4,896.33	1/4	4,534.52	1/4	4,172.12	1/4	3,809.72	1/4	3,447.32	1/4	3,084.92	1/4	2,722.52	1/4	2,360.02		
1/2		1/2	5,245.72	1/2	4,888.81	1/2	4,526.97	1/2	4,164.57	1/2	3,802.17	1/2	3,439.77	1/2	3,077.37	1/2	2,714.97	1/2	2,352.46		
3/4		3/4	5,238.82	3/4	4,881.29	3/4	4,519.42	3/4	4,157.02	3/4	3,794.62	3/4	3,432.22	3/4	3,069.82	3/4	2,707.42	3/4	2,344.91		
3	3	3	5,231.92	3	4,873.76	3	4,511.87	3	4,149.47	3	3,787.07	3	3,424.67	3	3,062.27	3	2,699.87	3	2,337.36		
1/4		1/4	5,225.02	1/4	4,866.24	1/4	4,504.32	1/4	4,141.92	1/4	3,779.52	1/4	3,417.12	1/4	3,054.72	1/4	2,692.32	1/4	2,329.81		
1/2		1/2	5,218.12	1/2	4,858.72	1/2	4,496.77	1/2	4,134.37	1/2	3,771.97	1/2	3,409.57	1/2	3,047.17	1/2	2,684.77	1/2	2,322.25		
3/4		3/4	5,210.67	3/4	4,851.20	3/4	4,489.22	3/4	4,126.82	3/4	3,764.42	3/4	3,402.02	3/4	3,039.62	3/4	2,677.22	3/4	2,314.70		
4	4	4	5,203.22	4	4,843.68	4	4,481.67	4	4,119.27	4	3,756.87	4	3,394.47	4	3,032.07	4	2,669.67	4	2,307.15		
1/4		1/4	5,195.76	1/4	4,836.16	1/4	4,474.12	1/4	4,111.72	1/4	3,749.32	1/4	3,386.92	1/4	3,024.52	1/4	2,662.12	1/4	2,299.59		
1/2		1/2	5,188.31	1/2	4,828.64	1/2	4,466.57	1/2	4,104.17	1/2	3,741.77	1/2	3,379.37	1/2	3,016.97	1/2	2,654.57	1/2	2,292.04		
3/4		3/4	5,180.86	3/4	4,821.12	3/4	4,459.02	3/4	4,096.62	3/4	3,734.22	3/4	3,371.82	3/4	3,009.42	3/4	2,647.02	3/4	2,284.49		
5	5	5	5,173.41	5	4,813.60	5	4,451.47	5	4,089.07	5	3,726.67	5	3,364.27	5	3,001.87	5	2,639.47	5	2,276.94		
1/4		1/4	5,165.96	1/4	4,806.08	1/4	4,443.92	1/4	4,081.52	1/4	3,719.12	1/4	3,356.72	1/4	2,994.32	1/4	2,631.92	1/4	2,269.38		
1/2		1/2	5,158.51	1/2	4,798.56	1/2	4,436.37	1/2	4,073.97	1/2	3,711.57	1/2	3,349.17	1/2	2,986.77	1/2	2,624.36	1/2	2,261.83		
3/4		3/4	5,151.05	3/4	4,791.03	3/4	4,428.82	3/4	4,066.42	3/4	3,704.02	3/4	3,341.62	3/4	2,979.22	3/4	2,616.81	3/4	2,254.28		
6	6	6	5,143.60	6	4,783.51	6	4,421.27	6	4,058.87	6	3,696.47	6	3,334.07	6	2,971.67	6	2,609.26	6	2,246.72		
1/4		1/4	5,136.15	1/4	4,775.99	1/4	4,413.72	1/4	4,051.32	1/4	3,688.92	1/4	3,326.52	1/4	2,964.12	1/4	2,601.71	1/4	2,239.17		
1/2		1/2	5,128.70	1/2	4,768.47	1/2	4,406.17	1/2	4,043.77	1/2	3,681.37	1/2	3,318.97	1/2	2,956.57	1/2	2,594.15	1/2	2,231.62		
3/4		3/4	5,121.25	3/4	4,760.95	3/4	4,398.62	3/4	4,036.22	3/4	3,673.82	3/4	3,311.42	3/4	2,949.02	3/4	2,586.60	3/4	2,224.07		
7	7	7	5,113.80	7	4,753.42	7	4,391.07	7	4,028.67	7	3,666.27	7	3,303.87	7	2,941.47	7	2,579.05	7	2,216.51		
1/4		1/4	5,106.34	1/4	4,745.89	1/4	4,383.52	1/4	4,021.12	1/4	3,658.72	1/4	3,296.32	1/4	2,933.92	1/4	2,571.50	1/4	2,208.96		
1/2		1/2	5,098.89	1/2	4,738.37	1/2	4,375.97	1/2	4,013.57	1/2	3,651.17	1/2	3,288.77	1/2	2,926.37	1/2	2,563.94	1/2	2,201.41		
3/4		3/4	5,091.44	3/4	4,730.82	3/4	4,368.42	3/4	4,006.02	3/4	3,643.62	3/4	3,281.22	3/4	2,918.82	3/4	2,556.39	3/4	2,193.86		
8	8	8	5,083.99	8	4,723.27	8	4,360.87	8	3,998.47	8	3,636.07	8	3,273.67	8	2,911.27	8	2,548.84	8	2,186.30		
1/4		1/4	5,076.54	1/4	4,715.72	1/4	4,353.32	1/4	3,990.92	1/4	3,628.52	1/4	3,266.12	1/4	2,903.72	1/4	2,541.28	1/4	2,178.75		
1/2		1/2	5,069.09	1/2	4,708.17	1/2	4,345.77	1/2	3,983.37	1/2	3,620.97	1/2	3,258.57	1/2	2,896.17	1/2	2,533.73	1/2	2,171.20		
3/4		3/4	5,061.62	3/4	4,700.62	3/4	4,338.22	3/4	3,975.82	3/4	3,613.42	3/4	3,251.02	3/4	2,888.62	3/4	2,526.18	3/4	2,163.64		
9	9	9	5,054.16	9	4,693.07	9	4,330.67	9	3,968.27	9	3,605.87	9	3,243.47	9	2,881.07	9	2,518.63	9	2,156.09		
1/4		1/4	5,046.70	1/4	4,685.52	1/4	4,323.12	1/4	3,960.72	1/4	3,598.32	1/4	3,235.92	1/4	2,873.52	1/4	2,511.07	1/4	2,148.54		
1/2		1/2	5,039.24	1/2	4,677.97	1/2	4,315.57	1/2	3,953.17	1/2	3,590.77	1/2	3,228.37	1/2	2,865.97	1/2	2,503.52	1/2	2,140.99		
3/4		3/4	5,031.72	3/4	4,670.42	3/4	4,308.02	3/4	3,945.62	3/4	3,583.22	3/4	3,220.82	3/4	2,858.42	3/4	2,495.97	3/4	2,133.43		
10	10	10	5,024.20	10	4,662.87	10	4,300.47	10	3,938.07	10	3,575.67	10	3,213.27	10	2,850.87	10	2,488.41	10	2,125.88		
1/4		1/4	5,016.67	1/4	4,655.32	1/4	4,292.92	1/4	3,930.52	1/4	3,568.12	1/4	3,205.72	1/4	2,843.32	1/4	2,480.86	1/4	2,118.33		
1/2		1/2	5,009.15	1/2	4,647.77	1/2	4,285.37	1/2	3,922.97	1/2	3,560.57	1/2	3,198.17	1/2	2,835.77	1/2	2,473.31	1/2	2,110.77		
3/4		3/4	5,001.63	3/4	4,640.22	3/4	4,277.82	3/4	3,915.42	3/4	3,553.02	3/4	3,190.62	3/4	2,828.22	3/4	2,465.76	3/4	2,103.22		
11	11	11	4,994.10	11	4,632.67	11	4,270.27	11	3,907.87	11	3,545.47	11	3,183.07	11	2,820.67	11	2,458.20	11	2,095.67		
1/4		1/4	4,986.58	1/4	4,625.12	1/4	4,262.72	1/4	3,900.32	1/4	3,537.92	1/4	3,175.52	1/4	2,813.12	1/4	2,450.65	1/4	2,088.12		
1/2		1/2	4,979.06	1/2	4,617.57	1/2	4,255.17	1/2	3,892.77	1/2	3,530.37	1/2	3,167.97	1/2	2,805.57	1/2	2,443.10	1/2	2,080.56		
3/4		3/4	4,971.54	3/4	4,610.02	3/4	4,247.62	3/4	3,885.22	3/4	3,522.82	3/4	3,160.42	3/4	2,798.02	3/4	2,435.54	3/4	2,073.01		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBR 2024"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,065.46	0	1,702.92	0	1,340.39	0	978.28	0	615.82	0	253.30	0		0		0		0	
1/4	2,057.90	1/4	1,695.37	1/4	1,332.84	1/4	970.74	1/4	608.27	1/4	245.75	1/4		1/4		1/4		1/4	
1/2	2,050.35	1/2	1,687.82	1/2	1,325.28	1/2	963.20	1/2	600.72	1/2	238.20	1/2		1/2		1/2		1/2	
3/4	2,042.80	3/4	1,680.26	3/4	1,317.73	3/4	955.65	3/4	593.17	3/4	230.65	3/4		3/4		3/4		3/4	
1	2,035.25	1	1,672.71	1	1,310.18	1	948.11	1	585.61	1	223.09	1		1		1		1	
1/4	2,027.69	1/4	1,665.16	1/4	1,302.62	1/4	940.57	1/4	578.06	1/4	215.54	1/4		1/4		1/4		1/4	
1/2	2,020.14	1/2	1,657.61	1/2	1,295.07	1/2	933.03	1/2	570.51	1/2	207.99	1/2		1/2		1/2		1/2	
3/4	2,012.59	3/4	1,650.05	3/4	1,287.52	3/4	925.48	3/4	562.96	3/4	200.44	3/4		3/4		3/4		3/4	
2	2,005.04	2	1,642.50	2	1,279.97	2	917.92	2	555.40	2	192.88	2		2		2		2	
1/4	1,997.48	1/4	1,634.95	1/4	1,272.41	1/4	910.37	1/4	547.85	1/4	185.33	1/4		1/4		1/4		1/4	
1/2	1,989.93	1/2	1,627.40	1/2	1,264.86	1/2	902.82	1/2	540.30	1/2	177.78	1/2		1/2		1/2		1/2	
3/4	1,982.38	3/4	1,619.84	3/4	1,257.31	3/4	895.27	3/4	532.75	3/4	170.23	3/4		3/4		3/4		3/4	
3	1,974.82	3	1,612.29	3	1,249.76	3	887.71	3	525.19	3	162.67	3		3		3		3	
1/4	1,967.27	1/4	1,604.74	1/4	1,242.21	1/4	880.16	1/4	517.64	1/4	155.12	1/4		1/4		1/4		1/4	
1/2	1,959.72	1/2	1,597.18	1/2	1,234.65	1/2	872.61	1/2	510.09	1/2	147.57	1/2		1/2		1/2		1/2	
3/4	1,952.17	3/4	1,589.63	3/4	1,227.11	3/4	865.06	3/4	502.54	3/4	140.02	3/4		3/4		3/4		3/4	
4	1,944.61	4	1,582.08	4	1,219.57	4	857.50	4	494.98	4	132.46	4		4		4		4	
1/4	1,937.06	1/4	1,574.53	1/4	1,212.03	1/4	849.95	1/4	487.43	1/4	124.91	1/4		1/4		1/4		1/4	
1/2	1,929.51	1/2	1,566.97	1/2	1,204.49	1/2	842.40	1/2	479.88	1/2	117.36	1/2		1/2		1/2		1/2	
3/4	1,921.95	3/4	1,559.42	3/4	1,196.95	3/4	834.85	3/4	472.33	3/4	109.88	3/4		3/4		3/4		3/4	
5	1,914.40	5	1,551.87	5	1,189.41	5	827.29	5	464.77	5	102.41	5		5		5		5	
1/4	1,906.85	1/4	1,544.31	1/4	1,181.87	1/4	819.74	1/4	457.22	1/4	94.94	1/4		1/4		1/4		1/4	
1/2	1,899.30	1/2	1,536.76	1/2	1,174.33	1/2	812.19	1/2	449.67	1/2	87.46	1/2		1/2		1/2		1/2	
3/4	1,891.74	3/4	1,529.21	3/4	1,166.79	3/4	804.64	3/4	442.12	3/4	80.70	3/4		3/4		3/4		3/4	
6	1,884.19	6	1,521.66	6	1,159.25	6	797.08	6	434.56	6	73.93	6		6		6		6	
1/4	1,876.64	1/4	1,514.10	1/4	1,151.71	1/4	789.53	1/4	427.01	1/4	67.17	1/4		1/4		1/4		1/4	
1/2	1,869.08	1/2	1,506.55	1/2	1,144.17	1/2	781.98	1/2	419.46	1/2	60.40	1/2		1/2		1/2		1/2	
3/4	1,861.53	3/4	1,499.00	3/4	1,136.63	3/4	774.43	3/4	411.91	3/4	54.90	3/4		3/4		3/4		3/4	
7	1,853.98	7	1,491.44	7	1,129.09	7	766.87	7	404.35	7	49.39	7		7		7		7	
1/4	1,846.43	1/4	1,483.89	1/4	1,121.55	1/4	759.32	1/4	396.80	1/4	43.88	1/4		1/4		1/4		1/4	
1/2	1,838.87	1/2	1,476.34	1/2	1,114.01	1/2	751.77	1/2	389.25	1/2	38.38	1/2		1/2		1/2		1/2	
3/4	1,831.32	3/4	1,468.79	3/4	1,106.47	3/4	744.22	3/4	381.70	3/4	34.13	3/4		3/4		3/4		3/4	
8	1,823.77	8	1,461.23	8	1,098.93	8	736.66	8	374.14	8	29.88	8		8		8		8	
1/4	1,816.22	1/4	1,453.68	1/4	1,091.39	1/4	729.11	1/4	366.59	1/4	25.64	1/4		1/4		1/4		1/4	
1/2	1,808.66	1/2	1,446.13	1/2	1,083.84	1/2	721.56	1/2	359.04	1/2	21.38	1/2		1/2		1/2		1/2	
3/4	1,801.11	3/4	1,438.58	3/4	1,076.30	3/4	714.01	3/4	351.49	3/4		3/4		3/4		3/4		3/4	
9	1,793.56	9	1,431.02	9	1,068.76	9	706.45	9	343.93	9		9		9		9		9	
1/4	1,786.00	1/4	1,423.47	1/4	1,061.22	1/4	698.90	1/4	336.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,778.45	1/2	1,415.92	1/2	1,053.68	1/2	691.35	1/2	328.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,770.90	3/4	1,408.36	3/4	1,046.14	3/4	683.80	3/4	321.28	3/4		3/4		3/4		3/4		3/4	
10	1,763.35	10	1,400.81	10	1,038.60	10	676.24	10	313.72	10		10		10		10		10	
1/4	1,755.79	1/4	1,393.26	1/4	1,031.06	1/4	668.69	1/4	306.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,748.24	1/2	1,385.71	1/2	1,023.52	1/2	661.14	1/2	298.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,740.69	3/4	1,378.15	3/4	1,015.98	3/4	653.59	3/4	291.07	3/4		3/4		3/4		3/4		3/4	
11	1,733.13	11	1,370.60	11	1,008.44	11	646.03	11	283.51	11		11		11		11		11	
1/4	1,725.58	1/4	1,363.05	1/4	1,000.90	1/4	638.48	1/4	275.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,718.03	1/2	1,355.49	1/2	993.36	1/2	630.93	1/2	268.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,710.48	3/4	1,347.94	3/4	985.82	3/4	623.38	3/4	260.86	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2014 SW
CALCULATED: 01/04/2014 CL
PRINTED: 01/06/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

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



BARGE "CBR 2024"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,969.64	0	4,608.12	0	4,245.72	0	3,883.32	0	3,520.92	0	3,158.52	0	2,796.12	0	2,433.64
1/4		1/4		1/4	4,962.12	1/4	4,600.57	1/4	4,238.17	1/4	3,875.77	1/4	3,513.37	1/4	3,150.97	1/4	2,788.57	1/4	2,426.09
1/2		1/2		1/2	4,954.59	1/2	4,593.02	1/2	4,230.62	1/2	3,868.22	1/2	3,505.82	1/2	3,143.42	1/2	2,781.02	1/2	2,418.54
3/4		3/4	5,284.65	3/4	4,947.07	3/4	4,585.47	3/4	4,223.07	3/4	3,860.67	3/4	3,498.27	3/4	3,135.87	3/4	2,773.47	3/4	2,410.99
1		1	5,280.16	1	4,939.55	1	4,577.92	1	4,215.52	1	3,853.12	1	3,490.72	1	3,128.32	1	2,765.92	1	2,403.43
1/4		1/4	5,275.68	1/4	4,932.03	1/4	4,570.37	1/4	4,207.97	1/4	3,845.57	1/4	3,483.17	1/4	3,120.77	1/4	2,758.37	1/4	2,395.88
1/2		1/2	5,271.19	1/2	4,924.51	1/2	4,562.82	1/2	4,200.42	1/2	3,838.02	1/2	3,475.62	1/2	3,113.22	1/2	2,750.82	1/2	2,388.33
3/4		3/4	5,266.70	3/4	4,916.99	3/4	4,555.27	3/4	4,192.87	3/4	3,830.47	3/4	3,468.07	3/4	3,105.67	3/4	2,743.27	3/4	2,380.78
2		2	5,260.98	2	4,909.47	2	4,547.72	2	4,185.32	2	3,822.92	2	3,460.52	2	3,098.12	2	2,735.72	2	2,373.22
1/4		1/4	5,255.26	1/4	4,901.95	1/4	4,540.17	1/4	4,177.77	1/4	3,815.37	1/4	3,452.97	1/4	3,090.57	1/4	2,728.17	1/4	2,365.67
1/2		1/2	5,249.54	1/2	4,894.43	1/2	4,532.62	1/2	4,170.22	1/2	3,807.82	1/2	3,445.42	1/2	3,083.02	1/2	2,720.62	1/2	2,358.12
3/4		3/4	5,243.82	3/4	4,886.91	3/4	4,525.07	3/4	4,162.67	3/4	3,800.27	3/4	3,437.87	3/4	3,075.47	3/4	2,713.07	3/4	2,350.56
3		3	5,236.92	3	4,879.39	3	4,517.52	3	4,155.12	3	3,792.72	3	3,430.32	3	3,067.92	3	2,705.52	3	2,343.01
1/4		1/4	5,230.02	1/4	4,871.86	1/4	4,509.97	1/4	4,147.57	1/4	3,785.17	1/4	3,422.77	1/4	3,060.37	1/4	2,697.97	1/4	2,335.46
1/2		1/2	5,223.12	1/2	4,864.34	1/2	4,502.42	1/2	4,140.02	1/2	3,777.62	1/2	3,415.22	1/2	3,052.82	1/2	2,690.42	1/2	2,327.91
3/4		3/4	5,216.22	3/4	4,856.82	3/4	4,494.87	3/4	4,132.47	3/4	3,770.07	3/4	3,407.67	3/4	3,045.27	3/4	2,682.87	3/4	2,320.35
4		4	5,208.77	4	4,849.30	4	4,487.32	4	4,124.92	4	3,762.52	4	3,400.12	4	3,037.72	4	2,675.32	4	2,312.80
1/4		1/4	5,201.32	1/4	4,841.78	1/4	4,479.77	1/4	4,117.37	1/4	3,754.97	1/4	3,392.57	1/4	3,030.17	1/4	2,667.77	1/4	2,305.25
1/2		1/2	5,193.86	1/2	4,834.26	1/2	4,472.22	1/2	4,109.82	1/2	3,747.42	1/2	3,385.02	1/2	3,022.62	1/2	2,660.22	1/2	2,297.69
3/4		3/4	5,186.41	3/4	4,826.74	3/4	4,464.67	3/4	4,102.27	3/4	3,739.87	3/4	3,377.47	3/4	3,015.07	3/4	2,652.67	3/4	2,290.14
5		5	5,178.96	5	4,819.22	5	4,457.12	5	4,094.72	5	3,732.32	5	3,369.92	5	3,007.52	5	2,645.12	5	2,282.59
1/4		1/4	5,171.51	1/4	4,811.70	1/4	4,449.57	1/4	4,087.17	1/4	3,724.77	1/4	3,362.37	1/4	2,999.97	1/4	2,637.57	1/4	2,275.04
1/2		1/2	5,164.06	1/2	4,804.18	1/2	4,442.02	1/2	4,079.62	1/2	3,717.22	1/2	3,354.82	1/2	2,992.42	1/2	2,630.02	1/2	2,267.48
3/4		3/4	5,156.61	3/4	4,796.66	3/4	4,434.47	3/4	4,072.07	3/4	3,709.67	3/4	3,347.27	3/4	2,984.87	3/4	2,622.46	3/4	2,259.93
6		6	5,149.15	6	4,789.13	6	4,426.92	6	4,064.52	6	3,702.12	6	3,339.72	6	2,977.32	6	2,614.91	6	2,252.38
1/4		1/4	5,141.70	1/4	4,781.61	1/4	4,419.37	1/4	4,056.97	1/4	3,694.57	1/4	3,332.17	1/4	2,969.77	1/4	2,607.36	1/4	2,244.82
1/2		1/2	5,134.25	1/2	4,774.09	1/2	4,411.82	1/2	4,049.42	1/2	3,687.02	1/2	3,324.62	1/2	2,962.22	1/2	2,599.81	1/2	2,237.27
3/4		3/4	5,126.80	3/4	4,766.57	3/4	4,404.27	3/4	4,041.87	3/4	3,679.47	3/4	3,317.07	3/4	2,954.67	3/4	2,592.25	3/4	2,229.72
7		7	5,119.35	7	4,759.05	7	4,396.72	7	4,034.32	7	3,671.92	7	3,309.52	7	2,947.12	7	2,584.70	7	2,222.17
1/4		1/4	5,111.90	1/4	4,751.52	1/4	4,389.17	1/4	4,026.77	1/4	3,664.37	1/4	3,301.97	1/4	2,939.57	1/4	2,577.15	1/4	2,214.61
1/2		1/2	5,104.44	1/2	4,743.99	1/2	4,381.62	1/2	4,019.22	1/2	3,656.82	1/2	3,294.42	1/2	2,932.02	1/2	2,569.60	1/2	2,207.06
3/4		3/4	5,096.99	3/4	4,736.47	3/4	4,374.07	3/4	4,011.67	3/4	3,649.27	3/4	3,286.87	3/4	2,924.47	3/4	2,562.04	3/4	2,199.51
8		8	5,089.54	8	4,728.92	8	4,366.52	8	4,004.12	8	3,641.72	8	3,279.32	8	2,916.92	8	2,554.49	8	2,191.96
1/4		1/4	5,082.09	1/4	4,721.37	1/4	4,358.97	1/4	3,996.57	1/4	3,634.17	1/4	3,271.77	1/4	2,909.37	1/4	2,546.94	1/4	2,184.40
1/2		1/2	5,074.64	1/2	4,713.82	1/2	4,351.42	1/2	3,989.02	1/2	3,626.62	1/2	3,264.22	1/2	2,901.82	1/2	2,539.38	1/2	2,176.85
3/4		3/4	5,067.19	3/4	4,706.27	3/4	4,343.87	3/4	3,981.47	3/4	3,619.07	3/4	3,256.67	3/4	2,894.27	3/4	2,531.83	3/4	2,169.30
9		9	5,059.72	9	4,698.72	9	4,336.32	9	3,973.92	9	3,611.52	9	3,249.12	9	2,886.72	9	2,524.28	9	2,161.74
1/4		1/4	5,052.26	1/4	4,691.17	1/4	4,328.77	1/4	3,966.37	1/4	3,603.97	1/4	3,241.57	1/4	2,879.17	1/4	2,516.73	1/4	2,154.19
1/2		1/2	5,044.80	1/2	4,683.62	1/2	4,321.22	1/2	3,958.82	1/2	3,596.42	1/2	3,234.02	1/2	2,871.62	1/2	2,509.17	1/2	2,146.64
3/4		3/4	5,037.34	3/4	4,676.07	3/4	4,313.67	3/4	3,951.27	3/4	3,588.87	3/4	3,226.47	3/4	2,864.07	3/4	2,501.62	3/4	2,139.09
10		10	5,029.82	10	4,668.52	10	4,306.12	10	3,943.72	10	3,581.32	10	3,218.92	10	2,856.52	10	2,494.07	10	2,131.53
1/4		1/4	5,022.30	1/4	4,660.97	1/4	4,298.57	1/4	3,936.17	1/4	3,573.77	1/4	3,211.37	1/4	2,848.97	1/4	2,486.51	1/4	2,123.98
1/2		1/2	5,014.77	1/2	4,653.42	1/2	4,291.02	1/2	3,928.62	1/2	3,566.22	1/2	3,203.82	1/2	2,841.42	1/2	2,478.96	1/2	2,116.43
3/4		3/4	5,007.25	3/4	4,645.87	3/4	4,283.47	3/4	3,921.07	3/4	3,558.67	3/4	3,196.27	3/4	2,833.87	3/4	2,471.41	3/4	2,108.87
11		11	4,999.73	11	4,638.32	11	4,275.92	11	3,913.52	11	3,551.12	11	3,188.72	11	2,826.32	11	2,463.86	11	2,101.32
1/4		1/4	4,992.20	1/4	4,630.77	1/4	4,268.37	1/4	3,905.97	1/4	3,543.57	1/4	3,181.17	1/4	2,818.77	1/4	2,456.30	1/4	2,093.77
1/2		1/2	4,984.68	1/2	4,623.22	1/2	4,260.82	1/2	3,898.42	1/2	3,536.02	1/2	3,173.62	1/2	2,811.22	1/2	2,448.75	1/2	2,086.22
3/4		3/4	4,977.16	3/4	4,615.67	3/4	4,253.27	3/4	3,890.87	3/4	3,528.47	3/4	3,166.07	3/4	2,803.67	3/4	2,441.20	3/4	2,078.66

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBR 2024"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-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	2,071.11	0	1,708.58	0	1,346.04	0	985.40	0	623.37	0	260.85	0		0		0		0	
1/4	2,063.56	1/4	1,701.02	1/4	1,338.49	1/4	977.90	1/4	615.82	1/4	253.30	1/4		1/4		1/4		1/4	
1/2	2,056.00	1/2	1,693.47	1/2	1,330.94	1/2	970.40	1/2	608.27	1/2	245.75	1/2		1/2		1/2		1/2	
3/4	2,048.45	3/4	1,685.92	3/4	1,323.38	3/4	962.90	3/4	600.71	3/4	238.19	3/4		3/4		3/4		3/4	
1	2,040.90	1	1,678.36	1	1,315.83	1	955.39	1	593.16	1	230.64	1		1		1		1	
1/4	2,033.35	1/4	1,670.81	1/4	1,308.28	1/4	947.89	1/4	585.61	1/4	223.09	1/4		1/4		1/4		1/4	
1/2	2,025.79	1/2	1,663.26	1/2	1,300.72	1/2	940.39	1/2	578.06	1/2	215.54	1/2		1/2		1/2		1/2	
3/4	2,018.24	3/4	1,655.71	3/4	1,293.17	3/4	932.89	3/4	570.50	3/4	207.98	3/4		3/4		3/4		3/4	
2	2,010.69	2	1,648.15	2	1,285.62	2	925.37	2	562.95	2	200.43	2		2		2		2	
1/4	2,003.14	1/4	1,640.60	1/4	1,278.08	1/4	917.85	1/4	555.40	1/4	192.88	1/4		1/4		1/4		1/4	
1/2	1,995.58	1/2	1,633.05	1/2	1,270.53	1/2	910.33	1/2	547.85	1/2	185.33	1/2		1/2		1/2		1/2	
3/4	1,988.03	3/4	1,625.50	3/4	1,262.98	3/4	902.81	3/4	540.29	3/4	177.77	3/4		3/4		3/4		3/4	
3	1,980.48	3	1,617.94	3	1,255.47	3	895.26	3	532.74	3	170.22	3		3		3		3	
1/4	1,972.92	1/4	1,610.39	1/4	1,247.96	1/4	887.71	1/4	525.19	1/4	162.67	1/4		1/4		1/4		1/4	
1/2	1,965.37	1/2	1,602.84	1/2	1,240.44	1/2	880.16	1/2	517.64	1/2	155.12	1/2		1/2		1/2		1/2	
3/4	1,957.82	3/4	1,595.28	3/4	1,232.93	3/4	872.60	3/4	510.08	3/4	147.56	3/4		3/4		3/4		3/4	
4	1,950.27	4	1,587.73	4	1,225.43	4	865.05	4	502.53	4	140.01	4		4		4		4	
1/4	1,942.71	1/4	1,580.18	1/4	1,217.93	1/4	857.50	1/4	494.98	1/4	132.46	1/4		1/4		1/4		1/4	
1/2	1,935.16	1/2	1,572.63	1/2	1,210.43	1/2	849.95	1/2	487.43	1/2	124.91	1/2		1/2		1/2		1/2	
3/4	1,927.61	3/4	1,565.07	3/4	1,202.93	3/4	842.39	3/4	479.87	3/4	117.35	3/4		3/4		3/4		3/4	
5	1,920.05	5	1,557.52	5	1,195.43	5	834.84	5	472.32	5	109.88	5		5		5		5	
1/4	1,912.50	1/4	1,549.97	1/4	1,187.93	1/4	827.29	1/4	464.77	1/4	102.41	1/4		1/4		1/4		1/4	
1/2	1,904.95	1/2	1,542.41	1/2	1,180.42	1/2	819.74	1/2	457.22	1/2	94.93	1/2		1/2		1/2		1/2	
3/4	1,897.40	3/4	1,534.86	3/4	1,172.92	3/4	812.18	3/4	449.66	3/4	87.46	3/4		3/4		3/4		3/4	
6	1,889.84	6	1,527.31	6	1,165.42	6	804.63	6	442.11	6	80.69	6		6		6		6	
1/4	1,882.29	1/4	1,519.76	1/4	1,157.92	1/4	797.08	1/4	434.56	1/4	73.93	1/4		1/4		1/4		1/4	
1/2	1,874.74	1/2	1,512.20	1/2	1,150.42	1/2	789.53	1/2	427.01	1/2	67.16	1/2		1/2		1/2		1/2	
3/4	1,867.18	3/4	1,504.65	3/4	1,142.92	3/4	781.97	3/4	419.45	3/4	60.40	3/4		3/4		3/4		3/4	
7	1,859.63	7	1,497.10	7	1,135.42	7	774.42	7	411.90	7	54.89	7		7		7		7	
1/4	1,852.08	1/4	1,489.54	1/4	1,127.92	1/4	766.87	1/4	404.35	1/4	49.38	1/4		1/4		1/4		1/4	
1/2	1,844.53	1/2	1,481.99	1/2	1,120.42	1/2	759.32	1/2	396.80	1/2	43.88	1/2		1/2		1/2		1/2	
3/4	1,836.97	3/4	1,474.44	3/4	1,112.92	3/4	751.76	3/4	389.24	3/4	38.37	3/4		3/4		3/4		3/4	
8	1,829.42	8	1,466.89	8	1,105.41	8	744.21	8	381.69	8	34.12	8		8		8		8	
1/4	1,821.87	1/4	1,459.33	1/4	1,097.91	1/4	736.66	1/4	374.14	1/4	29.88	1/4		1/4		1/4		1/4	
1/2	1,814.32	1/2	1,451.78	1/2	1,090.41	1/2	729.11	1/2	366.59	1/2	25.63	1/2		1/2		1/2		1/2	
3/4	1,806.76	3/4	1,444.23	3/4	1,082.91	3/4	721.55	3/4	359.03	3/4	21.38	3/4		3/4		3/4		3/4	
9	1,799.21	9	1,436.68	9	1,075.41	9	714.00	9	351.48	9		9		9		9		9	
1/4	1,791.66	1/4	1,429.12	1/4	1,067.91	1/4	706.45	1/4	343.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,784.10	1/2	1,421.57	1/2	1,060.41	1/2	698.90	1/2	336.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,776.55	3/4	1,414.02	3/4	1,052.91	3/4	691.34	3/4	328.82	3/4		3/4		3/4		3/4		3/4	
10	1,769.00	10	1,406.46	10	1,045.41	10	683.79	10	321.27	10		10		10		10		10	
1/4	1,761.45	1/4	1,398.91	1/4	1,037.91	1/4	676.24	1/4	313.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,753.89	1/2	1,391.36	1/2	1,030.40	1/2	668.69	1/2	306.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,746.34	3/4	1,383.81	3/4	1,022.90	3/4	661.13	3/4	298.61	3/4		3/4		3/4		3/4		3/4	
11	1,738.79	11	1,376.25	11	1,015.40	11	653.58	11	291.06	11		11		11		11		11	
1/4	1,731.23	1/4	1,368.70	1/4	1,007.90	1/4	646.03	1/4	283.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,723.68	1/2	1,361.15	1/2	1,000.40	1/2	638.48	1/2	275.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,716.13	3/4	1,353.59	3/4	992.90	3/4	630.92	3/4	268.40	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2014 SW
CALCULATED: 01/04/2014 CL
PRINTED: 01/06/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

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



BARGE "CBR 2024"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	5,268.76	0	4,932.33	0	4,571.96	0	4,210.78	0	3,849.59	0	3,488.40	0	3,127.22	0	2,766.03	0	2,404.78
1/4		1/4	5,264.29	1/4	4,924.84	1/4	4,564.44	1/4	4,203.25	1/4	3,842.07	1/4	3,480.88	1/4	3,119.69	1/4	2,758.51	1/4	2,397.25
1/2		1/2	5,259.82	1/2	4,917.34	1/2	4,556.91	1/2	4,195.73	1/2	3,834.54	1/2	3,473.36	1/2	3,112.17	1/2	2,750.98	1/2	2,389.73
3/4		3/4	5,255.35	3/4	4,909.85	3/4	4,549.39	3/4	4,188.20	3/4	3,827.02	3/4	3,465.83	3/4	3,104.64	3/4	2,743.46	3/4	2,382.20
1		1	5,250.87	1	4,902.35	1	4,541.86	1	4,180.68	1	3,819.49	1	3,458.31	1	3,097.12	1	2,735.93	1	2,374.67
1/4		1/4	5,245.17	1/4	4,894.86	1/4	4,534.34	1/4	4,173.15	1/4	3,811.97	1/4	3,450.78	1/4	3,089.60	1/4	2,728.41	1/4	2,367.14
1/2		1/2	5,239.47	1/2	4,887.36	1/2	4,526.81	1/2	4,165.63	1/2	3,804.44	1/2	3,443.26	1/2	3,082.07	1/2	2,720.89	1/2	2,359.62
3/4		3/4	5,233.77	3/4	4,879.86	3/4	4,519.29	3/4	4,158.10	3/4	3,796.92	3/4	3,435.73	3/4	3,074.55	3/4	2,713.36	3/4	2,352.09
2		2	5,228.07	2	4,872.37	2	4,511.76	2	4,150.58	2	3,789.39	2	3,428.21	2	3,067.02	2	2,705.84	2	2,344.56
1/4		1/4	5,221.20	1/4	4,864.87	1/4	4,504.24	1/4	4,143.05	1/4	3,781.87	1/4	3,420.68	1/4	3,059.50	1/4	2,698.31	1/4	2,337.03
1/2		1/2	5,214.32	1/2	4,857.38	1/2	4,496.71	1/2	4,135.53	1/2	3,774.34	1/2	3,413.16	1/2	3,051.97	1/2	2,690.79	1/2	2,329.51
3/4		3/4	5,207.44	3/4	4,849.88	3/4	4,489.19	3/4	4,128.00	3/4	3,766.82	3/4	3,405.63	3/4	3,044.45	3/4	2,683.26	3/4	2,321.98
3		3	5,200.57	3	4,842.39	3	4,481.66	3	4,120.48	3	3,759.29	3	3,398.11	3	3,036.92	3	2,675.74	3	2,314.45
1/4		1/4	5,193.14	1/4	4,834.89	1/4	4,474.14	1/4	4,112.95	1/4	3,751.77	1/4	3,390.58	1/4	3,029.40	1/4	2,668.21	1/4	2,306.92
1/2		1/2	5,185.71	1/2	4,827.39	1/2	4,466.62	1/2	4,105.43	1/2	3,744.24	1/2	3,383.06	1/2	3,021.87	1/2	2,660.69	1/2	2,299.40
3/4		3/4	5,178.29	3/4	4,819.90	3/4	4,459.09	3/4	4,097.91	3/4	3,736.72	3/4	3,375.53	3/4	3,014.35	3/4	2,653.16	3/4	2,291.87
4		4	5,170.86	4	4,812.40	4	4,451.57	4	4,090.38	4	3,729.19	4	3,368.01	4	3,006.82	4	2,645.64	4	2,284.34
1/4		1/4	5,163.43	1/4	4,804.91	1/4	4,444.04	1/4	4,082.86	1/4	3,721.67	1/4	3,360.48	1/4	2,999.30	1/4	2,638.12	1/4	2,276.81
1/2		1/2	5,156.01	1/2	4,797.41	1/2	4,436.52	1/2	4,075.33	1/2	3,714.15	1/2	3,352.96	1/2	2,991.77	1/2	2,630.59	1/2	2,269.29
3/4		3/4	5,148.58	3/4	4,789.92	3/4	4,428.99	3/4	4,067.81	3/4	3,706.62	3/4	3,345.44	3/4	2,984.25	3/4	2,623.07	3/4	2,261.76
5		5	5,141.15	5	4,782.42	5	4,421.47	5	4,060.28	5	3,699.10	5	3,337.91	5	2,976.72	5	2,615.55	5	2,254.23
1/4		1/4	5,133.73	1/4	4,774.93	1/4	4,413.94	1/4	4,052.76	1/4	3,691.57	1/4	3,330.39	1/4	2,969.20	1/4	2,608.02	1/4	2,246.70
1/2		1/2	5,126.30	1/2	4,767.43	1/2	4,406.42	1/2	4,045.23	1/2	3,684.05	1/2	3,322.86	1/2	2,961.68	1/2	2,600.50	1/2	2,239.18
3/4		3/4	5,118.88	3/4	4,759.93	3/4	4,398.89	3/4	4,037.71	3/4	3,676.52	3/4	3,315.34	3/4	2,954.15	3/4	2,592.97	3/4	2,231.65
6		6	5,111.45	6	4,752.44	6	4,391.37	6	4,030.18	6	3,669.00	6	3,307.81	6	2,946.63	6	2,585.44	6	2,224.12
1/4		1/4	5,104.02	1/4	4,744.94	1/4	4,383.84	1/4	4,022.66	1/4	3,661.47	1/4	3,300.29	1/4	2,939.10	1/4	2,577.91	1/4	2,216.59
1/2		1/2	5,096.60	1/2	4,737.45	1/2	4,376.32	1/2	4,015.13	1/2	3,653.95	1/2	3,292.76	1/2	2,931.58	1/2	2,570.39	1/2	2,209.07
3/4		3/4	5,089.17	3/4	4,729.95	3/4	4,368.79	3/4	4,007.61	3/4	3,646.42	3/4	3,285.24	3/4	2,924.05	3/4	2,562.86	3/4	2,201.54
7		7	5,081.74	7	4,722.46	7	4,361.27	7	4,000.08	7	3,638.90	7	3,277.71	7	2,916.53	7	2,555.33	7	2,194.01
1/4		1/4	5,074.32	1/4	4,714.93	1/4	4,353.74	1/4	3,992.56	1/4	3,631.37	1/4	3,270.19	1/4	2,909.00	1/4	2,547.80	1/4	2,186.48
1/2		1/2	5,066.89	1/2	4,707.41	1/2	4,346.22	1/2	3,985.03	1/2	3,623.85	1/2	3,262.66	1/2	2,901.48	1/2	2,540.28	1/2	2,178.96
3/4		3/4	5,059.46	3/4	4,699.88	3/4	4,338.70	3/4	3,977.51	3/4	3,616.32	3/4	3,255.14	3/4	2,893.95	3/4	2,532.75	3/4	2,171.43
8		8	5,052.04	8	4,692.36	8	4,331.17	8	3,969.99	8	3,608.80	8	3,247.61	8	2,886.43	8	2,525.22	8	2,163.90
1/4		1/4	5,044.60	1/4	4,684.83	1/4	4,323.65	1/4	3,962.46	1/4	3,601.27	1/4	3,240.09	1/4	2,878.90	1/4	2,517.69	1/4	2,156.37
1/2		1/2	5,037.17	1/2	4,677.31	1/2	4,316.12	1/2	3,954.94	1/2	3,593.75	1/2	3,232.56	1/2	2,871.38	1/2	2,510.17	1/2	2,148.85
3/4		3/4	5,029.73	3/4	4,669.78	3/4	4,308.60	3/4	3,947.41	3/4	3,586.23	3/4	3,225.04	3/4	2,863.85	3/4	2,502.64	3/4	2,141.32
9		9	5,022.30	9	4,662.26	9	4,301.07	9	3,939.89	9	3,578.70	9	3,217.52	9	2,856.33	9	2,495.11	9	2,133.79
1/4		1/4	5,014.80	1/4	4,654.73	1/4	4,293.55	1/4	3,932.36	1/4	3,571.18	1/4	3,209.99	1/4	2,848.80	1/4	2,487.58	1/4	2,126.26
1/2		1/2	5,007.30	1/2	4,647.21	1/2	4,286.02	1/2	3,924.84	1/2	3,563.65	1/2	3,202.47	1/2	2,841.28	1/2	2,480.06	1/2	2,118.74
3/4		3/4	4,999.80	3/4	4,639.68	3/4	4,278.50	3/4	3,917.31	3/4	3,556.13	3/4	3,194.94	3/4	2,833.76	3/4	2,472.53	3/4	2,111.21
10		10	4,992.31	10	4,632.16	10	4,270.97	10	3,909.79	10	3,548.60	10	3,187.42	10	2,826.23	10	2,465.00	10	2,103.68
1/4		1/4	4,984.81	1/4	4,624.63	1/4	4,263.45	1/4	3,902.26	1/4	3,541.08	1/4	3,179.89	1/4	2,818.71	1/4	2,457.47	1/4	2,096.15
1/2		1/2	4,977.31	1/2	4,617.11	1/2	4,255.92	1/2	3,894.74	1/2	3,533.55	1/2	3,172.37	1/2	2,811.18	1/2	2,449.95	1/2	2,088.63
3/4		3/4	4,969.81	3/4	4,609.58	3/4	4,248.40	3/4	3,887.21	3/4	3,526.03	3/4	3,164.84	3/4	2,803.66	3/4	2,442.42	3/4	2,081.10
11		11	4,962.32	11	4,602.06	11	4,240.87	11	3,879.69	11	3,518.50	11	3,157.32	11	2,796.13	11	2,434.89	11	2,073.57
1/4		1/4	4,954.82	1/4	4,594.54	1/4	4,233.35	1/4	3,872.16	1/4	3,510.98	1/4	3,149.79	1/4	2,788.61	1/4	2,427.36	1/4	2,066.04
1/2		1/2	4,947.32	1/2	4,587.01	1/2	4,225.82	1/2	3,864.64	1/2	3,503.45	1/2	3,142.27	1/2	2,781.08	1/2	2,419.84	1/2	2,058.52
3/4		3/4	4,939.83	3/4	4,579.49	3/4	4,218.30	3/4	3,857.11	3/4	3,495.93	3/4	3,134.74	3/4	2,773.56	3/4	2,412.31	3/4	2,050.99

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBR 2024"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 15'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,043.46	0	1,682.14	0	1,320.82	0	959.95	0	598.70	0	237.39	0		0		0		0	
1/4	2,035.93	1/4	1,674.61	1/4	1,313.29	1/4	952.44	1/4	591.17	1/4	229.86	1/4		1/4		1/4		1/4	
1/2	2,028.41	1/2	1,667.09	1/2	1,305.77	1/2	944.92	1/2	583.64	1/2	222.34	1/2		1/2		1/2		1/2	
3/4	2,020.88	3/4	1,659.56	3/4	1,298.24	3/4	937.41	3/4	576.12	3/4	214.81	3/4		3/4		3/4		3/4	
1	2,013.35	1	1,652.03	1	1,290.71	1	929.89	1	568.59	1	207.28	1		1		1		1	
1/4	2,005.82	1/4	1,644.50	1/4	1,283.18	1/4	922.37	1/4	561.06	1/4	199.76	1/4		1/4		1/4		1/4	
1/2	1,998.30	1/2	1,636.98	1/2	1,275.66	1/2	914.84	1/2	553.53	1/2	192.23	1/2		1/2		1/2		1/2	
3/4	1,990.77	3/4	1,629.45	3/4	1,268.13	3/4	907.31	3/4	546.01	3/4	184.70	3/4		3/4		3/4		3/4	
2	1,983.24	2	1,621.92	2	1,260.60	2	899.78	2	538.48	2	177.17	2		2		2		2	
1/4	1,975.71	1/4	1,614.39	1/4	1,253.08	1/4	892.26	1/4	530.95	1/4	169.65	1/4		1/4		1/4		1/4	
1/2	1,968.19	1/2	1,606.87	1/2	1,245.55	1/2	884.73	1/2	523.42	1/2	162.12	1/2		1/2		1/2		1/2	
3/4	1,960.66	3/4	1,599.34	3/4	1,238.03	3/4	877.20	3/4	515.90	3/4	154.59	3/4		3/4		3/4		3/4	
3	1,953.13	3	1,591.81	3	1,230.50	3	869.68	3	508.37	3	147.06	3		3		3		3	
1/4	1,945.60	1/4	1,584.28	1/4	1,222.98	1/4	862.15	1/4	500.84	1/4	139.54	1/4		1/4		1/4		1/4	
1/2	1,938.08	1/2	1,576.76	1/2	1,215.47	1/2	854.62	1/2	493.32	1/2	132.01	1/2		1/2		1/2		1/2	
3/4	1,930.55	3/4	1,569.23	3/4	1,207.95	3/4	847.09	3/4	485.79	3/4	124.48	3/4		3/4		3/4		3/4	
4	1,923.02	4	1,561.70	4	1,200.44	4	839.57	4	478.26	4	116.96	4		4		4		4	
1/4	1,915.49	1/4	1,554.17	1/4	1,192.92	1/4	832.04	1/4	470.73	1/4	109.51	1/4		1/4		1/4		1/4	
1/2	1,907.97	1/2	1,546.65	1/2	1,185.41	1/2	824.51	1/2	463.21	1/2	102.06	1/2		1/2		1/2		1/2	
3/4	1,900.44	3/4	1,539.12	3/4	1,177.89	3/4	816.99	3/4	455.68	3/4	94.61	3/4		3/4		3/4		3/4	
5	1,892.91	5	1,531.59	5	1,170.38	5	809.46	5	448.15	5	87.16	5		5		5		5	
1/4	1,885.38	1/4	1,524.06	1/4	1,162.86	1/4	801.93	1/4	440.63	1/4	80.42	1/4		1/4		1/4		1/4	
1/2	1,877.86	1/2	1,516.54	1/2	1,155.35	1/2	794.40	1/2	433.10	1/2	73.68	1/2		1/2		1/2		1/2	
3/4	1,870.33	3/4	1,509.01	3/4	1,147.83	3/4	786.88	3/4	425.57	3/4	66.93	3/4		3/4		3/4		3/4	
6	1,862.80	6	1,501.48	6	1,140.32	6	779.35	6	418.04	6	60.19	6		6		6		6	
1/4	1,855.27	1/4	1,493.95	1/4	1,132.80	1/4	771.82	1/4	410.52	1/4	54.70	1/4		1/4		1/4		1/4	
1/2	1,847.75	1/2	1,486.43	1/2	1,125.29	1/2	764.30	1/2	402.99	1/2	49.21	1/2		1/2		1/2		1/2	
3/4	1,840.22	3/4	1,478.90	3/4	1,117.77	3/4	756.77	3/4	395.46	3/4	43.73	3/4		3/4		3/4		3/4	
7	1,832.69	7	1,471.37	7	1,110.26	7	749.24	7	387.94	7	38.24	7		7		7		7	
1/4	1,825.16	1/4	1,463.84	1/4	1,102.74	1/4	741.71	1/4	380.41	1/4	34.01	1/4		1/4		1/4		1/4	
1/2	1,817.64	1/2	1,456.32	1/2	1,095.23	1/2	734.19	1/2	372.88	1/2	29.77	1/2		1/2		1/2		1/2	
3/4	1,810.11	3/4	1,448.79	3/4	1,087.71	3/4	726.66	3/4	365.35	3/4	25.54	3/4		3/4		3/4		3/4	
8	1,802.58	8	1,441.26	8	1,080.20	8	719.13	8	357.83	8	21.31	8		8		8		8	
1/4	1,795.05	1/4	1,433.73	1/4	1,072.68	1/4	711.60	1/4	350.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,787.53	1/2	1,426.21	1/2	1,065.17	1/2	704.08	1/2	342.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,780.00	3/4	1,418.68	3/4	1,057.65	3/4	696.55	3/4	335.24	3/4		3/4		3/4		3/4		3/4	
9	1,772.47	9	1,411.15	9	1,050.13	9	689.02	9	327.72	9		9		9		9		9	
1/4	1,764.94	1/4	1,403.62	1/4	1,042.62	1/4	681.50	1/4	320.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,757.42	1/2	1,396.10	1/2	1,035.10	1/2	673.97	1/2	312.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,749.89	3/4	1,388.57	3/4	1,027.59	3/4	666.44	3/4	305.14	3/4		3/4		3/4		3/4		3/4	
10	1,742.36	10	1,381.04	10	1,020.07	10	658.91	10	297.61	10		10		10		10		10	
1/4	1,734.83	1/4	1,373.51	1/4	1,012.56	1/4	651.39	1/4	290.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,727.31	1/2	1,365.99	1/2	1,005.04	1/2	643.86	1/2	282.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,719.78	3/4	1,358.46	3/4	997.53	3/4	636.33	3/4	275.03	3/4		3/4		3/4		3/4		3/4	
11	1,712.25	11	1,350.93	11	990.01	11	628.81	11	267.50	11		11		11		11		11	
1/4	1,704.72	1/4	1,343.40	1/4	982.50	1/4	621.28	1/4	259.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,697.20	1/2	1,335.88	1/2	974.98	1/2	613.75	1/2	252.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,689.67	3/4	1,328.35	3/4	967.47	3/4	606.22	3/4	244.92	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2014 SW
CALCULATED: 01/04/2014 CL
PRINTED: 01/06/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

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



BARGE "CBR 2024"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,042.62	0	1,681.30	0	1,319.99	0	971.84	0	613.75	0	252.45	0		0		0		0	
1/4	2,035.09	1/4	1,673.77	1/4	1,312.46	1/4	964.66	1/4	606.23	1/4	244.92	1/4		1/4		1/4		1/4	
1/2	2,027.56	1/2	1,666.25	1/2	1,304.93	1/2	957.47	1/2	598.70	1/2	237.39	1/2		1/2		1/2		1/2	
3/4	2,020.03	3/4	1,658.72	3/4	1,297.40	3/4	950.29	3/4	591.17	3/4	229.87	3/4		3/4		3/4		3/4	
1	2,012.51	1	1,651.19	1	1,289.88	1	943.10	1	583.65	1	222.34	1		1		1		1	
1/4	2,004.98	1/4	1,643.66	1/4	1,282.35	1/4	935.92	1/4	576.12	1/4	214.81	1/4		1/4		1/4		1/4	
1/2	1,997.45	1/2	1,636.14	1/2	1,274.82	1/2	928.73	1/2	568.59	1/2	207.29	1/2		1/2		1/2		1/2	
3/4	1,989.92	3/4	1,628.61	3/4	1,267.34	3/4	921.49	3/4	561.06	3/4	199.76	3/4		3/4		3/4		3/4	
2	1,982.40	2	1,621.08	2	1,259.85	2	914.26	2	553.54	2	192.23	2		2		2		2	
1/4	1,974.87	1/4	1,613.55	1/4	1,252.36	1/4	907.02	1/4	546.01	1/4	184.70	1/4		1/4		1/4		1/4	
1/2	1,967.34	1/2	1,606.03	1/2	1,244.88	1/2	899.79	1/2	538.48	1/2	177.18	1/2		1/2		1/2		1/2	
3/4	1,959.81	3/4	1,598.50	3/4	1,237.68	3/4	892.26	3/4	530.96	3/4	169.65	3/4		3/4		3/4		3/4	
3	1,952.29	3	1,590.97	3	1,230.49	3	884.73	3	523.43	3	162.12	3		3		3		3	
1/4	1,944.76	1/4	1,583.44	1/4	1,223.29	1/4	877.21	1/4	515.90	1/4	154.60	1/4		1/4		1/4		1/4	
1/2	1,937.23	1/2	1,575.92	1/2	1,216.10	1/2	869.68	1/2	508.37	1/2	147.07	1/2		1/2		1/2		1/2	
3/4	1,929.71	3/4	1,568.39	3/4	1,208.92	3/4	862.15	3/4	500.85	3/4	139.54	3/4		3/4		3/4		3/4	
4	1,922.18	4	1,560.86	4	1,201.73	4	854.63	4	493.32	4	132.01	4		4		4		4	
1/4	1,914.65	1/4	1,553.34	1/4	1,194.55	1/4	847.10	1/4	485.79	1/4	124.49	1/4		1/4		1/4		1/4	
1/2	1,907.12	1/2	1,545.81	1/2	1,187.36	1/2	839.57	1/2	478.27	1/2	116.96	1/2		1/2		1/2		1/2	
3/4	1,899.60	3/4	1,538.28	3/4	1,180.18	3/4	832.04	3/4	470.74	3/4	109.51	3/4		3/4		3/4		3/4	
5	1,892.07	5	1,530.75	5	1,173.00	5	824.52	5	463.21	5	102.06	5		5		5		5	
1/4	1,884.54	1/4	1,523.23	1/4	1,165.81	1/4	816.99	1/4	455.68	1/4	94.61	1/4		1/4		1/4		1/4	
1/2	1,877.01	1/2	1,515.70	1/2	1,158.63	1/2	809.46	1/2	448.16	1/2	87.16	1/2		1/2		1/2		1/2	
3/4	1,869.49	3/4	1,508.17	3/4	1,151.44	3/4	801.93	3/4	440.63	3/4	80.42	3/4		3/4		3/4		3/4	
6	1,861.96	6	1,500.64	6	1,144.26	6	794.41	6	433.10	6	73.68	6		6		6		6	
1/4	1,854.43	1/4	1,493.12	1/4	1,137.08	1/4	786.88	1/4	425.57	1/4	66.94	1/4		1/4		1/4		1/4	
1/2	1,846.90	1/2	1,485.59	1/2	1,129.89	1/2	779.35	1/2	418.05	1/2	60.19	1/2		1/2		1/2		1/2	
3/4	1,839.38	3/4	1,478.06	3/4	1,122.71	3/4	771.83	3/4	410.52	3/4	54.71	3/4		3/4		3/4		3/4	
7	1,831.85	7	1,470.53	7	1,115.52	7	764.30	7	402.99	7	49.22	7		7		7		7	
1/4	1,824.32	1/4	1,463.01	1/4	1,108.34	1/4	756.77	1/4	395.47	1/4	43.73	1/4		1/4		1/4		1/4	
1/2	1,816.79	1/2	1,455.48	1/2	1,101.15	1/2	749.24	1/2	387.94	1/2	38.24	1/2		1/2		1/2		1/2	
3/4	1,809.27	3/4	1,447.95	3/4	1,093.97	3/4	741.72	3/4	380.41	3/4	34.01	3/4		3/4		3/4		3/4	
8	1,801.74	8	1,440.42	8	1,086.79	8	734.19	8	372.88	8	29.78	8		8		8		8	
1/4	1,794.21	1/4	1,432.90	1/4	1,079.60	1/4	726.66	1/4	365.36	1/4	25.54	1/4		1/4		1/4		1/4	
1/2	1,786.68	1/2	1,425.37	1/2	1,072.42	1/2	719.14	1/2	357.83	1/2	21.31	1/2		1/2		1/2		1/2	
3/4	1,779.16	3/4	1,417.84	3/4	1,065.23	3/4	711.61	3/4	350.30	3/4		3/4		3/4		3/4		3/4	
9	1,771.63	9	1,410.31	9	1,058.05	9	704.08	9	342.78	9		9		9		9		9	
1/4	1,764.10	1/4	1,402.79	1/4	1,050.87	1/4	696.55	1/4	335.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,756.57	1/2	1,395.26	1/2	1,043.68	1/2	689.03	1/2	327.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,749.05	3/4	1,387.73	3/4	1,036.50	3/4	681.50	3/4	320.19	3/4		3/4		3/4		3/4		3/4	
10	1,741.52	10	1,380.20	10	1,029.31	10	673.97	10	312.67	10		10		10		10		10	
1/4	1,733.99	1/4	1,372.68	1/4	1,022.13	1/4	666.45	1/4	305.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,726.47	1/2	1,365.15	1/2	1,014.95	1/2	658.92	1/2	297.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,718.94	3/4	1,357.62	3/4	1,007.76	3/4	651.39	3/4	290.09	3/4		3/4		3/4		3/4		3/4	
11	1,711.41	11	1,350.10	11	1,000.58	11	643.86	11	282.56	11		11		11		11		11	
1/4	1,703.88	1/4	1,342.57	1/4	993.39	1/4	636.34	1/4	275.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,696.36	1/2	1,335.04	1/2	986.21	1/2	628.81	1/2	267.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,688.83	3/4	1,327.51	3/4	979.03	3/4	621.28	3/4	259.98	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2014 SW
CALCULATED: 01/04/2014 CL
PRINTED: 01/06/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

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



BARGE "CBR 2024"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,058.75		1,698.73		1,338.71		978.98		619.05		259.05								
1/4	2,051.25	1/4	1,691.23	1/4	1,331.21	1/4	971.49	1/4	611.55	1/4	251.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,043.75	1/2	1,683.73	1/2	1,323.71	1/2	964.00	1/2	604.05	1/2	244.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,036.25	3/4	1,676.23	3/4	1,316.21	3/4	956.51	3/4	596.55	3/4	236.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,028.75	1	1,668.73	1	1,308.71	1	949.02	1	589.05	1	229.05	1	1	1	1	1	1	1	1
1/4	2,021.25	1/4	1,661.23	1/4	1,301.21	1/4	941.52	1/4	581.55	1/4	221.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,013.75	1/2	1,653.73	1/2	1,293.71	1/2	934.03	1/2	574.05	1/2	214.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,006.25	3/4	1,646.23	3/4	1,286.21	3/4	926.54	3/4	566.55	3/4	206.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,998.74	2	1,638.73	2	1,278.71	2	919.05	2	559.05	2	199.05	2	2	2	2	2	2	2	2
1/4	1,991.24	1/4	1,631.23	1/4	1,271.21	1/4	911.55	1/4	551.55	1/4	191.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,983.74	1/2	1,623.72	1/2	1,263.71	1/2	904.05	1/2	544.05	1/2	184.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,976.24	3/4	1,616.22	3/4	1,256.21	3/4	896.56	3/4	536.55	3/4	176.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,968.74	3	1,608.72	3	1,248.71	3	889.06	3	529.05	3	169.05	3	3	3	3	3	3	3	3
1/4	1,961.24	1/4	1,601.22	1/4	1,241.21	1/4	881.56	1/4	521.55	1/4	161.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,953.74	1/2	1,593.72	1/2	1,233.70	1/2	874.06	1/2	514.05	1/2	154.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,946.24	3/4	1,586.22	3/4	1,226.20	3/4	866.56	3/4	506.55	3/4	146.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,938.74	4	1,578.72	4	1,218.71	4	859.06	4	499.05	4	139.05	4	4	4	4	4	4	4	4
1/4	1,931.24	1/4	1,571.22	1/4	1,211.21	1/4	851.56	1/4	491.55	1/4	131.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,923.74	1/2	1,563.72	1/2	1,203.72	1/2	844.06	1/2	484.05	1/2	124.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,916.24	3/4	1,556.22	3/4	1,196.22	3/4	836.56	3/4	476.55	3/4	116.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,908.74	5	1,548.72	5	1,188.73	5	829.06	5	469.05	5	109.13	5	5	5	5	5	5	5	5
1/4	1,901.24	1/4	1,541.22	1/4	1,181.24	1/4	821.56	1/4	461.55	1/4	101.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,893.74	1/2	1,533.72	1/2	1,173.75	1/2	814.06	1/2	454.05	1/2	94.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,886.24	3/4	1,526.22	3/4	1,166.25	3/4	806.56	3/4	446.55	3/4	86.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,878.74	6	1,518.72	6	1,158.76	6	799.06	6	439.05	6	80.14	6	6	6	6	6	6	6	6
1/4	1,871.24	1/4	1,511.22	1/4	1,151.27	1/4	791.56	1/4	431.55	1/4	73.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,863.74	1/2	1,503.72	1/2	1,143.78	1/2	784.06	1/2	424.05	1/2	66.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,856.24	3/4	1,496.22	3/4	1,136.29	3/4	776.56	3/4	416.55	3/4	59.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,848.74	7	1,488.72	7	1,128.80	7	769.06	7	409.05	7	54.52	7	7	7	7	7	7	7	7
1/4	1,841.24	1/4	1,481.22	1/4	1,121.31	1/4	761.56	1/4	401.55	1/4	49.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,833.74	1/2	1,473.72	1/2	1,113.82	1/2	754.06	1/2	394.05	1/2	43.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,826.24	3/4	1,466.22	3/4	1,106.33	3/4	746.56	3/4	386.55	3/4	38.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,818.74	8	1,458.72	8	1,098.84	8	739.06	8	379.05	8	33.89	8	8	8	8	8	8	8	8
1/4	1,811.23	1/4	1,451.22	1/4	1,091.34	1/4	731.56	1/4	371.55	1/4	29.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,803.73	1/2	1,443.72	1/2	1,083.85	1/2	724.06	1/2	364.05	1/2	25.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,796.23	3/4	1,436.21	3/4	1,076.36	3/4	716.56	3/4	356.55	3/4	21.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,788.73	9	1,428.71	9	1,068.87	9	709.06	9	349.05	9		9	9	9	9	9	9	9	9
1/4	1,781.23	1/4	1,421.21	1/4	1,061.38	1/4	701.56	1/4	341.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,773.73	1/2	1,413.71	1/2	1,053.89	1/2	694.05	1/2	334.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,766.23	3/4	1,406.21	3/4	1,046.40	3/4	686.55	3/4	326.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,758.73	10	1,398.71	10	1,038.91	10	679.05	10	319.05	10		10	10	10	10	10	10	10	10
1/4	1,751.23	1/4	1,391.21	1/4	1,031.42	1/4	671.55	1/4	311.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,743.73	1/2	1,383.71	1/2	1,023.93	1/2	664.05	1/2	304.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,736.23	3/4	1,376.21	3/4	1,016.43	3/4	656.55	3/4	296.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,728.73	11	1,368.71	11	1,008.94	11	649.05	11	289.05	11		11	11	11	11	11	11	11	11
1/4	1,721.23	1/4	1,361.21	1/4	1,001.45	1/4	641.55	1/4	281.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,713.73	1/2	1,353.71	1/2	993.96	1/2	634.05	1/2	274.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,706.23	3/4	1,346.21	3/4	986.47	3/4	626.55	3/4	266.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 01/02/2014 SW
CALCULATED: 01/04/2014 CL
PRINTED: 01/06/2014 SW

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>



BARGE "CBR 2024"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,022.11	0	1,662.77	0	1,304.87	0	956.11	0	603.15	0	243.71	0		0		0		0	
1/4	2,014.63	1/4	1,655.28	1/4	1,297.45	1/4	948.96	1/4	595.66	1/4	236.22	1/4		1/4		1/4		1/4	
1/2	2,007.14	1/2	1,647.79	1/2	1,290.02	1/2	941.81	1/2	588.18	1/2	228.73	1/2		1/2		1/2		1/2	
3/4	1,999.66	3/4	1,640.31	3/4	1,282.60	3/4	934.66	3/4	580.69	3/4	221.24	3/4		3/4		3/4		3/4	
1	1,992.17	1	1,632.82	1	1,275.17	1	927.51	1	573.20	1	213.75	1		1		1		1	
1/4	1,984.68	1/4	1,625.34	1/4	1,267.75	1/4	920.36	1/4	565.71	1/4	206.26	1/4		1/4		1/4		1/4	
1/2	1,977.20	1/2	1,617.85	1/2	1,260.32	1/2	913.20	1/2	558.22	1/2	198.77	1/2		1/2		1/2		1/2	
3/4	1,969.71	3/4	1,610.36	3/4	1,252.90	3/4	906.04	3/4	550.73	3/4	191.29	3/4		3/4		3/4		3/4	
2	1,962.22	2	1,602.88	2	1,245.48	2	898.89	2	543.25	2	183.80	2		2		2		2	
1/4	1,954.74	1/4	1,595.39	1/4	1,238.06	1/4	891.73	1/4	535.76	1/4	176.31	1/4		1/4		1/4		1/4	
1/2	1,947.25	1/2	1,587.90	1/2	1,230.65	1/2	884.55	1/2	528.27	1/2	168.82	1/2		1/2		1/2		1/2	
3/4	1,939.76	3/4	1,580.42	3/4	1,223.24	3/4	877.38	3/4	520.78	3/4	161.33	3/4		3/4		3/4		3/4	
3	1,932.28	3	1,572.93	3	1,215.83	3	870.20	3	513.29	3	153.84	3		3		3		3	
1/4	1,924.79	1/4	1,565.44	1/4	1,208.42	1/4	863.02	1/4	505.80	1/4	146.35	1/4		1/4		1/4		1/4	
1/2	1,917.30	1/2	1,557.96	1/2	1,201.02	1/2	855.84	1/2	498.31	1/2	138.86	1/2		1/2		1/2		1/2	
3/4	1,909.82	3/4	1,550.47	3/4	1,193.61	3/4	848.66	3/4	490.83	3/4	131.36	3/4		3/4		3/4		3/4	
4	1,902.33	4	1,542.98	4	1,186.20	4	841.48	4	483.34	4	123.87	4		4		4		4	
1/4	1,894.85	1/4	1,535.50	1/4	1,178.79	1/4	834.30	1/4	475.85	1/4	116.38	1/4		1/4		1/4		1/4	
1/2	1,887.36	1/2	1,528.01	1/2	1,171.39	1/2	827.06	1/2	468.36	1/2	108.97	1/2		1/2		1/2		1/2	
3/4	1,879.87	3/4	1,520.53	3/4	1,163.99	3/4	819.82	3/4	460.87	3/4	101.56	3/4		3/4		3/4		3/4	
5	1,872.39	5	1,513.04	5	1,156.59	5	812.58	5	453.38	5	94.15	5		5		5		5	
1/4	1,864.90	1/4	1,505.55	1/4	1,149.19	1/4	805.34	1/4	445.89	1/4	86.74	1/4		1/4		1/4		1/4	
1/2	1,857.41	1/2	1,498.07	1/2	1,142.04	1/2	797.85	1/2	438.41	1/2	80.04	1/2		1/2		1/2		1/2	
3/4	1,849.93	3/4	1,490.60	3/4	1,134.89	3/4	790.37	3/4	430.92	3/4	73.34	3/4		3/4		3/4		3/4	
6	1,842.44	6	1,483.12	6	1,127.74	6	782.88	6	423.43	6	66.64	6		6		6		6	
1/4	1,834.95	1/4	1,475.64	1/4	1,120.59	1/4	775.39	1/4	415.94	1/4	59.95	1/4		1/4		1/4		1/4	
1/2	1,827.47	1/2	1,468.21	1/2	1,113.44	1/2	767.90	1/2	408.45	1/2	54.49	1/2		1/2		1/2		1/2	
3/4	1,819.98	3/4	1,460.79	3/4	1,106.28	3/4	760.41	3/4	400.96	3/4	49.03	3/4		3/4		3/4		3/4	
7	1,812.50	7	1,453.36	7	1,099.13	7	752.92	7	393.48	7	43.57	7		7		7		7	
1/4	1,805.01	1/4	1,445.94	1/4	1,091.98	1/4	745.43	1/4	385.99	1/4	38.11	1/4		1/4		1/4		1/4	
1/2	1,797.52	1/2	1,438.51	1/2	1,084.83	1/2	737.95	1/2	378.50	1/2	33.89	1/2		1/2		1/2		1/2	
3/4	1,790.04	3/4	1,431.09	3/4	1,077.68	3/4	730.46	3/4	371.01	3/4	29.68	3/4		3/4		3/4		3/4	
8	1,782.55	8	1,423.67	8	1,070.53	8	722.97	8	363.52	8	25.46	8		8		8		8	
1/4	1,775.06	1/4	1,416.24	1/4	1,063.38	1/4	715.48	1/4	356.03	1/4	21.24	1/4		1/4		1/4		1/4	
1/2	1,767.58	1/2	1,408.82	1/2	1,056.23	1/2	707.99	1/2	348.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,760.09	3/4	1,401.39	3/4	1,049.08	3/4	700.50	3/4	341.06	3/4		3/4		3/4		3/4		3/4	
9	1,752.60	9	1,393.97	9	1,041.93	9	693.02	9	333.57	9		9		9		9		9	
1/4	1,745.12	1/4	1,386.54	1/4	1,034.77	1/4	685.53	1/4	326.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,737.63	1/2	1,379.12	1/2	1,027.62	1/2	678.04	1/2	318.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,730.14	3/4	1,371.69	3/4	1,020.47	3/4	670.55	3/4	311.10	3/4		3/4		3/4		3/4		3/4	
10	1,722.66	10	1,364.27	10	1,013.32	10	663.06	10	303.61	10		10		10		10		10	
1/4	1,715.17	1/4	1,356.84	1/4	1,006.17	1/4	655.57	1/4	296.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,707.69	1/2	1,349.42	1/2	999.02	1/2	648.08	1/2	288.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,700.20	3/4	1,341.99	3/4	991.87	3/4	640.60	3/4	281.15	3/4		3/4		3/4		3/4		3/4	
11	1,692.71	11	1,334.57	11	984.72	11	633.11	11	273.66	11		11		11		11		11	
1/4	1,685.23	1/4	1,327.14	1/4	977.57	1/4	625.62	1/4	266.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,677.74	1/2	1,319.72	1/2	970.42	1/2	618.13	1/2	258.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,670.25	3/4	1,312.29	3/4	963.26	3/4	610.64	3/4	251.19	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2014 SW
CALCULATED: 01/04/2014 CL
PRINTED: 01/06/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

PRECISION MEASUREMENT
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