



BARGE "CTC 30111"

INNAGE TRIM TABLE
FORMERLY "NICHOLAS RAY"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
1 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
2 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
3 PORT	- 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
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 - 00-1/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 253'-03"

March 29, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 30111"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 17'-02 5/8"

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		0	5,149.15	0	4,788.67	0	4,426.02	0	4,063.23	0	3,700.44	0	3,337.66	0	2,974.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,141.69	1/4	4,781.14	1/4	4,418.46	1/4	4,055.68	1/4	3,692.89	1/4	3,330.10	1/4	2,967.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,134.23	1/2	4,773.61	1/2	4,410.91	1/2	4,048.12	1/2	3,685.33	1/2	3,322.54	1/2	2,959.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,126.77	3/4	4,766.08	3/4	4,403.35	3/4	4,040.56	3/4	3,677.77	3/4	3,314.98	3/4	2,952.19
1		1		1		1	5,119.31	1	4,758.54	1	4,395.79	1	4,033.00	1	3,670.21	1	3,307.42	1	2,944.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,111.85	1/4	4,751.00	1/4	4,388.23	1/4	4,025.44	1/4	3,662.65	1/4	3,299.87	1/4	2,937.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,104.39	1/2	4,743.46	1/2	4,380.67	1/2	4,017.89	1/2	3,655.10	1/2	3,292.31	1/2	2,929.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,096.93	3/4	4,735.90	3/4	4,373.12	3/4	4,010.33	3/4	3,647.54	3/4	3,284.75	3/4	2,921.96
2		2		2		2	5,089.47	2	4,728.35	2	4,365.56	2	4,002.77	2	3,639.98	2	3,277.19	2	2,914.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,082.01	1/4	4,720.79	1/4	4,358.00	1/4	3,995.21	1/4	3,632.42	1/4	3,269.63	1/4	2,906.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,074.55	1/2	4,713.23	1/2	4,350.44	1/2	3,987.65	1/2	3,624.86	1/2	3,262.08	1/2	2,899.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,067.08	3/4	4,705.67	3/4	4,342.88	3/4	3,980.09	3/4	3,617.31	3/4	3,254.52	3/4	2,891.73
3		3		3		3	5,059.61	3	4,698.11	3	4,335.33	3	3,972.54	3	3,609.75	3	3,249.96	3	2,884.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,052.14	1/4	4,690.56	1/4	4,327.77	1/4	3,964.98	1/4	3,602.19	1/4	3,239.40	1/4	2,876.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,044.68	1/2	4,683.00	1/2	4,320.21	1/2	3,957.42	1/2	3,594.63	1/2	3,231.84	1/2	2,869.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,037.14	3/4	4,675.44	3/4	4,312.65	3/4	3,949.86	3/4	3,587.07	3/4	3,224.28	3/4	2,861.50
4		4		4		4	5,029.61	4	4,667.88	4	4,305.09	4	3,942.30	4	3,579.52	4	3,216.73	4	2,853.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,022.08	1/4	4,660.32	1/4	4,297.53	1/4	3,934.75	1/4	3,571.96	1/4	3,209.17	1/4	2,846.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,014.55	1/2	4,652.77	1/2	4,289.98	1/2	3,927.19	1/2	3,564.40	1/2	3,201.61	1/2	2,838.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,007.02	3/4	4,645.21	3/4	4,282.42	3/4	3,919.63	3/4	3,556.84	3/4	3,194.05	3/4	2,831.26
5		5		5		5	4,999.49	5	4,637.65	5	4,274.86	5	3,912.07	5	3,549.28	5	3,186.49	5	2,823.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,991.96	1/4	4,630.09	1/4	4,267.30	1/4	3,904.51	1/4	3,541.72	1/4	3,178.94	1/4	2,816.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,984.42	1/2	4,622.53	1/2	4,259.74	1/2	3,896.96	1/2	3,534.17	1/2	3,171.38	1/2	2,808.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,976.90	3/4	4,614.98	3/4	4,252.19	3/4	3,889.40	3/4	3,526.61	3/4	3,163.82	3/4	2,801.03
6		6		6		6	4,969.37	6	4,607.42	6	4,244.63	6	3,881.84	6	3,519.05	6	3,156.26	6	2,793.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,961.84	1/4	4,599.86	1/4	4,237.07	1/4	3,874.28	1/4	3,511.49	1/4	3,148.70	1/4	2,785.91
1/2	1/2	5/8	5,292.25	1/2	4,954.31	1/2	4,592.30	1/2	4,229.51	1/2	3,866.72	1/2	3,503.93	1/2	3,141.15	1/2	2,778.36		
3/4	3/4	3/4	5,287.76	3/4	4,946.78	3/4	4,584.74	3/4	4,221.95	3/4	3,859.17	3/4	3,496.38	3/4	3,133.59	3/4	2,770.80		
7		7		7		7	4,939.25	7	4,577.18	7	4,214.40	7	3,851.61	7	3,488.82	7	3,126.03	7	2,763.24
1/4	1/4	1/4	5,278.78	1/4	4,931.72	1/4	4,569.63	1/4	4,206.84	1/4	3,844.05	1/4	3,481.26	1/4	3,118.47	1/4	2,755.68		
1/2	1/2	1/2	5,274.28	1/2	4,924.19	1/2	4,562.07	1/2	4,199.28	1/2	3,836.49	1/2	3,473.70	1/2	3,110.91	1/2	2,748.12		
3/4	3/4	3/4	5,268.56	3/4	4,916.66	3/4	4,554.51	3/4	4,191.72	3/4	3,828.93	3/4	3,466.14	3/4	3,103.36	3/4	2,740.57		
8		8		8		8	4,909.13	8	4,546.95	8	4,184.16	8	3,821.37	8	3,458.59	8	3,095.80	8	2,733.01
1/4	1/4	1/4	5,257.10	1/4	4,901.61	1/4	4,539.39	1/4	4,176.61	1/4	3,813.82	1/4	3,451.03	1/4	3,088.24	1/4	2,725.45		
1/2	1/2	1/2	5,251.38	1/2	4,894.08	1/2	4,531.84	1/2	4,169.05	1/2	3,806.26	1/2	3,443.47	1/2	3,080.68	1/2	2,717.89		
3/4	3/4	3/4	5,244.47	3/4	4,886.55	3/4	4,524.28	3/4	4,161.49	3/4	3,798.70	3/4	3,435.91	3/4	3,073.12	3/4	2,710.33		
9		9		9		9	4,879.02	9	4,516.72	9	4,153.93	9	3,791.14	9	3,428.35	9	3,065.56	9	2,702.78
1/4	1/4	1/4	5,237.56	1/4	4,871.49	1/4	4,509.16	1/4	4,146.37	1/4	3,783.58	1/4	3,420.80	1/4	3,058.01	1/4	2,695.22		
1/2	1/2	1/2	5,232.75	1/2	4,863.96	1/2	4,501.60	1/2	4,138.81	1/2	3,776.03	1/2	3,413.24	1/2	3,050.45	1/2	2,687.66		
3/4	3/4	3/4	5,216.29	3/4	4,856.43	3/4	4,494.05	3/4	4,131.26	3/4	3,768.47	3/4	3,405.68	3/4	3,042.89	3/4	2,680.10		
10		10		10		10	4,848.90	10	4,486.49	10	4,123.70	10	3,760.91	10	3,398.12	10	3,035.33	10	2,672.54
1/4	1/4	1/4	5,201.37	1/4	4,841.37	1/4	4,478.93	1/4	4,116.14	1/4	3,753.35	1/4	3,390.56	1/4	3,027.77	1/4	2,664.99		
1/2	1/2	1/2	5,193.91	1/2	4,833.84	1/2	4,471.37	1/2	4,108.58	1/2	3,745.79	1/2	3,383.00	1/2	3,020.22	1/2	2,657.43		
3/4	3/4	3/4	5,186.45	3/4	4,826.32	3/4	4,463.81	3/4	4,101.02	3/4	3,738.24	3/4	3,375.45	3/4	3,012.66	3/4	2,649.87		
11		11		11		11	4,818.79	11	4,456.25	11	4,093.47	11	3,730.68	11	3,367.89	11	3,005.10	11	2,642.31
1/4	1/4	1/4	5,171.53	1/4	4,811.26	1/4	4,448.70	1/4	4,085.91	1/4	3,723.12	1/4	3,360.33	1/4	3,007.54	1/4	2,634.75		
1/2	1/2	1/2	5,164.07	1/2	4,803.73	1/2	4,441.14	1/2	4,078.35	1/2	3,715.56	1/2	3,352.77	1/2	2,999.98	1/2	2,627.18		
3/4	3/4	3/4	5,156.61	3/4	4,796.20	3/4	4,433.58	3/4	4,070.79	3/4	3,708.00	3/4	3,345.21	3/4	2,982.43	3/4	2,619.62		

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 WITH HERMETIC CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 40'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CTC 30111"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 17'-02 5/8"

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	2,612.06	0	2,249.14	0	1,886.22	0	1,523.29	0	1,160.50	0	797.94	0	435.03	0	74.01	0		0	
1/4	2,604.50	1/4	2,241.58	1/4	1,878.66	1/4	1,515.73	1/4	1,152.95	1/4	790.38	1/4	427.47	1/4	67.24	1/4		1/4	
1/2	2,596.94	1/2	2,234.02	1/2	1,871.09	1/2	1,508.17	1/2	1,145.40	1/2	782.82	1/2	419.91	1/2	60.46	1/2		1/2	
3/4	2,589.38	3/4	2,226.46	3/4	1,863.53	3/4	1,500.61	3/4	1,137.85	3/4	775.25	3/4	412.35	3/4	54.95	3/4		3/4	
1	2,581.82	1	2,218.90	1	1,855.97	1	1,493.05	1	1,130.30	1	767.69	1	404.79	1	49.44	1		1	
1/4	2,574.26	1/4	2,211.33	1/4	1,848.41	1/4	1,485.49	1/4	1,122.75	1/4	760.13	1/4	397.22	1/4	43.93	1/4		1/4	
1/2	2,566.70	1/2	2,203.77	1/2	1,840.85	1/2	1,477.93	1/2	1,115.21	1/2	752.57	1/2	389.66	1/2	38.42	1/2		1/2	
3/4	2,559.14	3/4	2,196.21	3/4	1,833.29	3/4	1,470.37	3/4	1,107.66	3/4	745.01	3/4	382.10	3/4	34.16	3/4		3/4	
2	2,551.58	2	2,188.65	2	1,825.73	2	1,462.81	2	1,100.11	2	737.45	2	374.54	2	29.91	2		2	
1/4	2,544.01	1/4	2,181.09	1/4	1,818.17	1/4	1,455.24	1/4	1,092.56	1/4	729.89	1/4	366.98	1/4	25.66	1/4		1/4	
1/2	2,536.45	1/2	2,173.53	1/2	1,810.61	1/2	1,447.68	1/2	1,085.01	1/2	722.33	1/2	359.42	1/2	21.41	1/2		1/2	
3/4	2,528.89	3/4	2,165.97	3/4	1,803.05	3/4	1,440.12	3/4	1,077.46	3/4	714.77	3/4	351.86	3/4		3/4		3/4	
3	2,521.33	3	2,158.41	3	1,795.49	3	1,432.56	3	1,069.91	3	707.21	3	344.30	3		3		3	
1/4	2,513.77	1/4	2,150.85	1/4	1,787.92	1/4	1,425.00	1/4	1,062.36	1/4	699.65	1/4	336.74	1/4		1/4		1/4	
1/2	2,506.21	1/2	2,143.29	1/2	1,780.36	1/2	1,417.44	1/2	1,054.82	1/2	692.09	1/2	329.18	1/2		1/2		1/2	
3/4	2,498.65	3/4	2,135.73	3/4	1,772.80	3/4	1,409.88	3/4	1,047.27	3/4	684.53	3/4	321.62	3/4		3/4		3/4	
4	2,491.09	4	2,128.16	4	1,765.24	4	1,402.32	4	1,039.72	4	676.97	4	314.06	4		4		4	
1/4	2,483.53	1/4	2,120.60	1/4	1,757.68	1/4	1,394.76	1/4	1,032.17	1/4	669.41	1/4	306.50	1/4		1/4		1/4	
1/2	2,475.97	1/2	2,113.04	1/2	1,750.12	1/2	1,387.20	1/2	1,024.62	1/2	661.85	1/2	298.94	1/2		1/2		1/2	
3/4	2,468.41	3/4	2,105.48	3/4	1,742.56	3/4	1,379.64	3/4	1,017.07	3/4	654.29	3/4	291.38	3/4		3/4		3/4	
5	2,460.84	5	2,097.92	5	1,735.00	5	1,372.07	5	1,009.52	5	646.72	5	283.82	5		5		5	
1/4	2,453.28	1/4	2,090.36	1/4	1,727.44	1/4	1,364.51	1/4	1,001.98	1/4	639.16	1/4	276.26	1/4		1/4		1/4	
1/2	2,445.72	1/2	2,082.80	1/2	1,719.88	1/2	1,356.95	1/2	994.43	1/2	631.60	1/2	268.69	1/2		1/2		1/2	
3/4	2,438.16	3/4	2,075.24	3/4	1,712.32	3/4	1,349.39	3/4	986.88	3/4	624.04	3/4	261.13	3/4		3/4		3/4	
6	2,430.60	6	2,067.68	6	1,704.75	6	1,341.83	6	979.33	6	616.48	6	253.57	6		6		6	
1/4	2,423.04	1/4	2,060.12	1/4	1,697.19	1/4	1,334.27	1/4	971.78	1/4	608.92	1/4	246.01	1/4		1/4		1/4	
1/2	2,415.48	1/2	2,052.56	1/2	1,689.63	1/2	1,326.71	1/2	964.23	1/2	601.36	1/2	238.45	1/2		1/2		1/2	
3/4	2,407.92	3/4	2,045.00	3/4	1,682.07	3/4	1,319.15	3/4	956.68	3/4	593.80	3/4	230.89	3/4		3/4		3/4	
7	2,400.36	7	2,037.43	7	1,674.51	7	1,311.59	7	949.13	7	586.24	7	223.33	7		7		7	
1/4	2,392.80	1/4	2,029.87	1/4	1,666.95	1/4	1,304.03	1/4	941.58	1/4	578.68	1/4	215.77	1/4		1/4		1/4	
1/2	2,385.24	1/2	2,022.31	1/2	1,659.39	1/2	1,296.47	1/2	934.03	1/2	571.12	1/2	208.21	1/2		1/2		1/2	
3/4	2,377.67	3/4	2,014.75	3/4	1,651.83	3/4	1,288.91	3/4	926.47	3/4	563.56	3/4	200.65	3/4		3/4		3/4	
8	2,370.11	8	2,007.19	8	1,644.27	8	1,281.34	8	918.91	8	556.00	8	193.09	8		8		8	
1/4	2,362.55	1/4	1,999.63	1/4	1,636.71	1/4	1,273.78	1/4	911.35	1/4	548.44	1/4	185.53	1/4		1/4		1/4	
1/2	2,354.99	1/2	1,992.07	1/2	1,629.15	1/2	1,266.22	1/2	903.79	1/2	540.88	1/2	177.97	1/2		1/2		1/2	
3/4	2,347.43	3/4	1,984.51	3/4	1,621.58	3/4	1,258.66	3/4	896.22	3/4	533.32	3/4	170.41	3/4		3/4		3/4	
9	2,339.87	9	1,976.95	9	1,614.02	9	1,251.10	9	888.66	9	525.76	9	162.85	9		9		9	
1/4	2,332.31	1/4	1,969.39	1/4	1,606.46	1/4	1,243.54	1/4	881.10	1/4	518.19	1/4	155.29	1/4		1/4		1/4	
1/2	2,324.75	1/2	1,961.83	1/2	1,598.90	1/2	1,235.98	1/2	873.54	1/2	510.63	1/2	147.73	1/2		1/2		1/2	
3/4	2,317.19	3/4	1,954.26	3/4	1,591.34	3/4	1,228.43	3/4	865.98	3/4	503.07	3/4	140.16	3/4		3/4		3/4	
10	2,309.63	10	1,946.70	10	1,583.78	10	1,220.89	10	858.42	10	495.51	10	132.60	10		10		10	
1/4	2,302.07	1/4	1,939.14	1/4	1,576.22	1/4	1,213.34	1/4	850.86	1/4	487.95	1/4	125.04	1/4		1/4		1/4	
1/2	2,294.50	1/2	1,931.58	1/2	1,568.66	1/2	1,205.79	1/2	843.30	1/2	480.39	1/2	117.48	1/2		1/2		1/2	
3/4	2,286.94	3/4	1,924.02	3/4	1,561.10	3/4	1,198.24	3/4	835.74	3/4	472.83	3/4	110.00	3/4		3/4		3/4	
11	2,279.38	11	1,916.46	11	1,553.54	11	1,190.69	11	828.18	11	465.27	11	102.52	11		11		11	
1/4	2,271.82	1/4	1,908.90	1/4	1,545.98	1/4	1,183.14	1/4	820.62	1/4	457.71	1/4	95.04	1/4		1/4		1/4	
1/2	2,264.26	1/2	1,901.34	1/2	1,538.41	1/2	1,175.59	1/2	813.06	1/2	450.15	1/2	87.56	1/2		1/2		1/2	
3/4	2,256.70	3/4	1,893.78	3/4	1,530.85	3/4	1,168.05	3/4	805.50	3/4	442.59	3/4	80.78	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/26/2012 CL - SW
RECALCULATED: 01/06/2016 SW
NAME CHANGE : 03/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

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



BARGE "CTC 30111"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 17'-02 3/4"

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
							5,153.48		4,793.16		4,430.62		4,067.92		3,705.22		3,342.52		2,979.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,146.02	1/4	4,785.63	1/4	4,423.07	1/4	4,060.37	1/4	3,697.66	1/4	3,334.96	1/4	2,972.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,138.56	1/2	4,778.10	1/2	4,415.51	1/2	4,052.81	1/2	3,690.11	1/2	3,327.41	1/2	2,964.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,131.11	3/4	4,770.58	3/4	4,407.96	3/4	4,045.25	3/4	3,682.55	3/4	3,319.85	3/4	2,957.15
1	1	1	1	1	1	1	5,123.65	1	4,763.04	1	4,400.40	1	4,037.70	1	3,674.99	1	3,312.29	1	2,949.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,116.19	1/4	4,755.50	1/4	4,392.84	1/4	4,030.14	1/4	3,667.44	1/4	3,304.74	1/4	2,942.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,108.73	1/2	4,747.97	1/2	4,385.29	1/2	4,022.58	1/2	3,659.88	1/2	3,297.18	1/2	2,934.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,101.27	3/4	4,740.43	3/4	4,377.73	3/4	4,015.03	3/4	3,652.33	3/4	3,289.62	3/4	2,926.92
2	2	2	2	2	2	2	5,093.82	2	4,732.88	2	4,370.17	2	4,007.47	2	3,644.77	2	3,282.07	2	2,919.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,086.36	1/4	4,725.32	1/4	4,362.62	1/4	3,999.92	1/4	3,637.21	1/4	3,274.51	1/4	2,911.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,078.90	1/2	4,717.76	1/2	4,355.06	1/2	3,992.36	1/2	3,629.66	1/2	3,266.95	1/2	2,904.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,071.44	3/4	4,710.21	3/4	4,347.51	3/4	3,984.80	3/4	3,622.10	3/4	3,259.40	3/4	2,896.70
3	3	3	3	3	3	3	5,063.98	3	4,702.65	3	4,339.95	3	3,977.25	3	3,614.54	3	3,251.84	3	2,889.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,056.51	1/4	4,695.10	1/4	4,332.39	1/4	3,969.69	1/4	3,606.99	1/4	3,244.29	1/4	2,881.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,049.04	1/2	4,687.54	1/2	4,324.84	1/2	3,962.13	1/2	3,599.43	1/2	3,236.73	1/2	2,874.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,041.57	3/4	4,679.98	3/4	4,317.28	3/4	3,954.58	3/4	3,591.88	3/4	3,229.17	3/4	2,866.47
4	4	4	4	4	4	4	5,034.05	4	4,672.43	4	4,309.72	4	3,947.02	4	3,584.32	4	3,221.62	4	2,858.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,026.52	1/4	4,664.87	1/4	4,302.17	1/4	3,939.47	1/4	3,576.76	1/4	3,214.06	1/4	2,851.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,018.99	1/2	4,657.31	1/2	4,294.61	1/2	3,931.91	1/2	3,569.21	1/2	3,206.50	1/2	2,843.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,011.46	3/4	4,649.76	3/4	4,287.06	3/4	3,924.35	3/4	3,561.65	3/4	3,198.95	3/4	2,836.25
5	5	5	5	5	5	5	5,003.93	5	4,642.20	5	4,279.50	5	3,916.80	5	3,554.09	5	3,191.39	5	2,828.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,996.40	1/4	4,634.65	1/4	4,271.94	1/4	3,909.24	1/4	3,546.54	1/4	3,183.84	1/4	2,821.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,988.87	1/2	4,627.09	1/2	4,264.39	1/2	3,901.68	1/2	3,538.98	1/2	3,176.28	1/2	2,813.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,981.34	3/4	4,619.53	3/4	4,256.83	3/4	3,894.13	3/4	3,531.43	3/4	3,168.72	3/4	2,806.02
6	6	6	6	6	6	6	4,973.81	6	4,611.98	6	4,249.27	6	3,886.57	6	3,523.87	6	3,161.17	6	2,798.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,966.28	1/4	4,604.42	1/4	4,241.72	1/4	3,879.01	1/4	3,516.31	1/4	3,153.61	1/4	2,790.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,958.76	1/2	4,596.86	1/2	4,234.16	1/2	3,871.46	1/2	3,508.76	1/2	3,146.05	1/2	2,783.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,289.09	3/4	4,951.23	3/4	4,589.31	3/4	4,226.60	3/4	3,863.90	3/4	3,501.20	3/4	3,138.50
7	7	7	7	7	7	7	4,943.70	7	4,581.75	7	4,219.05	7	3,856.35	7	3,493.64	7	3,130.94	7	2,768.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,284.60	1/4	4,936.17	1/4	4,574.19	1/4	4,211.49	1/4	3,848.79	1/4	3,486.09	1/4	3,123.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,275.62	1/2	4,928.65	1/2	4,566.64	1/2	4,203.94	1/2	3,841.23	1/2	3,478.53	1/2	3,115.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,271.13	3/4	4,921.12	3/4	4,559.08	3/4	4,196.38	3/4	3,833.68	3/4	3,470.97	3/4	3,108.27
8	8	8	8	8	8	8	4,913.59	8	4,551.53	8	4,188.82	8	3,826.12	8	3,463.42	8	3,100.72	8	2,738.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,265.40	1/4	4,906.07	1/4	4,543.97	1/4	4,181.27	1/4	3,818.56	1/4	3,455.86	1/4	3,093.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,906.07	1/2	4,543.97	1/2	4,181.27	1/2	3,818.56	1/2	3,455.86	1/2	3,093.16	1/2	2,730.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,253.95	3/4	4,898.54	3/4	4,536.41	3/4	4,173.71	3/4	3,811.01	3/4	3,448.31	3/4	3,085.60
9	9	9	9	9	9	9	5,248.23	9	4,891.01	9	4,528.86	9	4,166.15	9	3,803.45	9	3,440.75	9	3,078.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,241.32	1/4	4,883.48	1/4	4,521.30	1/4	4,158.60	1/4	3,795.90	1/4	3,433.19	1/4	3,070.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,234.42	1/2	4,875.96	1/2	4,513.74	1/2	4,151.04	1/2	3,788.34	1/2	3,425.64	1/2	3,062.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,227.51	3/4	4,868.43	3/4	4,506.19	3/4	4,143.49	3/4	3,780.78	3/4	3,418.08	3/4	3,055.38
10	10	10	10	10	10	10	5,220.60	10	4,860.90	10	4,498.63	10	4,135.93	10	3,773.23	10	3,410.52	10	3,047.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,213.14	1/4	4,853.38	1/4	4,491.08	1/4	4,128.37	1/4	3,765.67	1/4	3,402.97	1/4	3,040.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,205.69	1/2	4,845.85	1/2	4,483.52	1/2	4,120.82	1/2	3,758.11	1/2	3,395.41	1/2	3,032.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,198.23	3/4	4,838.32	3/4	4,475.96	3/4	4,113.26	3/4	3,750.56	3/4	3,387.86	3/4	3,025.15
11	11	11	11	11	11	11	5,190.77	11	4,830.79	11	4,468.41	11	4,105.70	11	3,743.00	11	3,380.30	11	3,017.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,183.31	1/4	4,823.27	1/4	4,460.85	1/4	4,098.15	1/4	3,735.45	1/4	3,372.74	1/4	3,010.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,175.85	1/2	4,815.74	1/2	4,453.29	1/2	4,090.59	1/2	3,727.89	1/2	3,365.19	1/2	3,002.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,168.40	3/4	4,808.21	3/4	4,445.74	3/4	4,083.04	3/4	3,720.33	3/4	3,357.63	3/4	2,994.93
12	12	12	12	12	12	12	5,160.94	12	4,800.68	12	4,438.18	12	4,075.48	12	3,712.78	12	3,350.07	12	2,987.37

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 WITH HERMETIC CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 40'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 30111"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 17'-02 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	2,617.10	0	2,254.26	0	1,891.43	0	1,528.59	0	1,166.40	0	805.30	0	442.48	0	80.76	0		0	
1/4	2,609.54	1/4	2,246.70	1/4	1,883.87	1/4	1,521.03	1/4	1,158.89	1/4	797.74	1/4	434.92	1/4	73.99	1/4		1/4	
1/2	2,601.98	1/2	2,239.14	1/2	1,876.31	1/2	1,513.47	1/2	1,151.39	1/2	790.18	1/2	427.36	1/2	67.22	1/2		1/2	
3/4	2,594.42	3/4	2,231.59	3/4	1,868.75	3/4	1,505.91	3/4	1,143.88	3/4	782.63	3/4	419.80	3/4	60.45	3/4		3/4	
1	2,586.86	1	2,224.03	1	1,861.19	1	1,498.35	1	1,136.37	1	775.07	1	412.24	1	54.93	1		1	
1/4	2,579.30	1/4	2,216.47	1/4	1,853.63	1/4	1,490.79	1/4	1,128.86	1/4	767.51	1/4	404.69	1/4	49.42	1/4		1/4	
1/2	2,571.75	1/2	2,208.91	1/2	1,846.07	1/2	1,483.23	1/2	1,121.36	1/2	759.95	1/2	397.13	1/2	43.91	1/2		1/2	
3/4	2,564.19	3/4	2,201.35	3/4	1,838.51	3/4	1,475.68	3/4	1,113.85	3/4	752.39	3/4	389.57	3/4	38.40	3/4		3/4	
2	2,556.63	2	2,193.79	2	1,830.95	2	1,468.12	2	1,106.34	2	744.83	2	382.01	2	34.15	2		2	
1/4	2,549.07	1/4	2,186.23	1/4	1,823.39	1/4	1,460.56	1/4	1,098.83	1/4	737.27	1/4	374.45	1/4	29.90	1/4		1/4	
1/2	2,541.51	1/2	2,178.67	1/2	1,815.84	1/2	1,453.00	1/2	1,091.33	1/2	729.71	1/2	366.89	1/2	25.65	1/2		1/2	
3/4	2,533.95	3/4	2,171.11	3/4	1,808.28	3/4	1,445.44	3/4	1,083.82	3/4	722.15	3/4	359.33	3/4	21.40	3/4		3/4	
3	2,526.39	3	2,163.55	3	1,800.72	3	1,437.88	3	1,076.31	3	714.60	3	351.77	3		3		3	
1/4	2,518.83	1/4	2,155.99	1/4	1,793.16	1/4	1,430.32	1/4	1,068.81	1/4	707.04	1/4	344.21	1/4		1/4		1/4	
1/2	2,511.27	1/2	2,148.44	1/2	1,785.60	1/2	1,422.76	1/2	1,061.30	1/2	699.48	1/2	336.66	1/2		1/2		1/2	
3/4	2,503.71	3/4	2,140.88	3/4	1,778.04	3/4	1,415.20	3/4	1,053.79	3/4	691.92	3/4	329.10	3/4		3/4		3/4	
4	2,496.15	4	2,133.32	4	1,770.48	4	1,407.64	4	1,046.28	4	684.36	4	321.54	4		4		4	
1/4	2,488.59	1/4	2,125.76	1/4	1,762.92	1/4	1,400.08	1/4	1,038.78	1/4	676.80	1/4	313.98	1/4		1/4		1/4	
1/2	2,481.04	1/2	2,118.20	1/2	1,755.36	1/2	1,392.53	1/2	1,031.27	1/2	669.24	1/2	306.42	1/2		1/2		1/2	
3/4	2,473.48	3/4	2,110.64	3/4	1,747.80	3/4	1,384.97	3/4	1,023.76	3/4	661.68	3/4	298.86	3/4		3/4		3/4	
5	2,465.92	5	2,103.08	5	1,740.24	5	1,377.41	5	1,016.25	5	654.13	5	291.30	5		5		5	
1/4	2,458.36	1/4	2,095.52	1/4	1,732.68	1/4	1,369.85	1/4	1,008.75	1/4	646.57	1/4	283.74	1/4		1/4		1/4	
1/2	2,450.80	1/2	2,087.96	1/2	1,725.13	1/2	1,362.29	1/2	1,001.24	1/2	639.01	1/2	276.19	1/2		1/2		1/2	
3/4	2,443.24	3/4	2,080.40	3/4	1,717.57	3/4	1,354.73	3/4	993.73	3/4	631.45	3/4	268.63	3/4		3/4		3/4	
6	2,435.68	6	2,072.84	6	1,710.01	6	1,347.17	6	986.23	6	623.89	6	261.07	6		6		6	
1/4	2,428.12	1/4	2,065.29	1/4	1,702.45	1/4	1,339.61	1/4	978.72	1/4	616.33	1/4	253.51	1/4		1/4		1/4	
1/2	2,420.56	1/2	2,057.73	1/2	1,694.89	1/2	1,332.05	1/2	971.21	1/2	608.77	1/2	245.95	1/2		1/2		1/2	
3/4	2,413.00	3/4	2,050.17	3/4	1,687.33	3/4	1,324.49	3/4	963.70	3/4	601.21	3/4	238.39	3/4		3/4		3/4	
7	2,405.44	7	2,042.61	7	1,679.77	7	1,316.93	7	956.19	7	593.66	7	230.83	7		7		7	
1/4	2,397.89	1/4	2,035.05	1/4	1,672.21	1/4	1,309.38	1/4	948.69	1/4	586.10	1/4	223.27	1/4		1/4		1/4	
1/2	2,390.33	1/2	2,027.49	1/2	1,664.65	1/2	1,301.82	1/2	941.18	1/2	578.54	1/2	215.72	1/2		1/2		1/2	
3/4	2,382.77	3/4	2,019.93	3/4	1,657.09	3/4	1,294.26	3/4	933.67	3/4	570.98	3/4	208.16	3/4		3/4		3/4	
8	2,375.21	8	2,012.37	8	1,649.53	8	1,286.70	8	926.14	8	563.42	8	200.60	8		8		8	
1/4	2,367.65	1/4	2,004.81	1/4	1,641.98	1/4	1,279.15	1/4	918.62	1/4	555.86	1/4	193.04	1/4		1/4		1/4	
1/2	2,360.09	1/2	1,997.25	1/2	1,634.42	1/2	1,271.59	1/2	911.09	1/2	548.30	1/2	185.48	1/2		1/2		1/2	
3/4	2,352.53	3/4	1,989.69	3/4	1,626.86	3/4	1,264.04	3/4	903.57	3/4	540.74	3/4	177.92	3/4		3/4		3/4	
9	2,344.97	9	1,982.14	9	1,619.30	9	1,256.52	9	896.01	9	533.18	9	170.36	9		9		9	
1/4	2,337.41	1/4	1,974.58	1/4	1,611.74	1/4	1,249.00	1/4	888.45	1/4	525.63	1/4	162.80	1/4		1/4		1/4	
1/2	2,329.85	1/2	1,967.02	1/2	1,604.18	1/2	1,241.48	1/2	880.89	1/2	518.07	1/2	155.24	1/2		1/2		1/2	
3/4	2,322.29	3/4	1,959.46	3/4	1,596.62	3/4	1,233.97	3/4	873.33	3/4	510.51	3/4	147.69	3/4		3/4		3/4	
10	2,314.74	10	1,951.90	10	1,589.06	10	1,226.46	10	865.77	10	502.95	10	140.13	10		10		10	
1/4	2,307.18	1/4	1,944.34	1/4	1,581.50	1/4	1,218.95	1/4	858.21	1/4	495.39	1/4	132.57	1/4		1/4		1/4	
1/2	2,299.62	1/2	1,936.78	1/2	1,573.94	1/2	1,211.44	1/2	850.65	1/2	487.83	1/2	125.01	1/2		1/2		1/2	
3/4	2,292.06	3/4	1,929.22	3/4	1,566.38	3/4	1,203.94	3/4	843.10	3/4	480.27	3/4	117.45	3/4		3/4		3/4	
11	2,284.50	11	1,921.66	11	1,558.83	11	1,196.43	11	835.54	11	472.71	11	109.97	11		11		11	
1/4	2,276.94	1/4	1,914.10	1/4	1,551.27	1/4	1,188.92	1/4	827.98	1/4	465.16	1/4	102.49	1/4		1/4		1/4	
1/2	2,269.38	1/2	1,906.54	1/2	1,543.71	1/2	1,181.41	1/2	820.42	1/2	457.60	1/2	95.01	1/2		1/2		1/2	
3/4	2,261.82	3/4	1,898.99	3/4	1,536.15	3/4	1,173.91	3/4	812.86	3/4	450.04	3/4	87.53	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/26/2012 CL - SW
RECALCULATED: 01/06/2016 SW
NAMEE CHANGE: 03/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

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



BARGE "CTC 30111"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 17'-02 5/8"

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		0	5,127.55	0	4,768.59	0	4,407.48	0	4,046.21	0	3,684.94	0	3,323.67	0	2,962.40
1/4		1/4		1/4		1/4	5,120.12	1/4	4,761.09	1/4	4,399.96	1/4	4,038.68	1/4	3,677.41	1/4	3,316.14	1/4	2,954.87
1/2		1/2		1/2		1/2	5,112.69	1/2	4,753.59	1/2	4,392.43	1/2	4,031.16	1/2	3,669.89	1/2	3,308.61	1/2	2,947.34
3/4		3/4		3/4		3/4	5,105.26	3/4	4,746.09	3/4	4,384.90	3/4	4,023.63	3/4	3,662.36	3/4	3,301.09	3/4	2,939.82
1		1		1		1	5,097.83	1	4,738.59	1	4,377.38	1	4,016.11	1	3,654.83	1	3,293.56	1	2,932.29
1/4		1/4		1/4		1/4	5,090.41	1/4	4,731.10	1/4	4,369.85	1/4	4,008.58	1/4	3,647.31	1/4	3,286.03	1/4	2,924.76
1/2		1/2		1/2		1/2	5,082.98	1/2	4,723.60	1/2	4,362.32	1/2	4,001.05	1/2	3,639.78	1/2	3,278.51	1/2	2,917.24
3/4		3/4		3/4		3/4	5,075.55	3/4	4,716.07	3/4	4,354.80	3/4	3,993.53	3/4	3,632.25	3/4	3,270.98	3/4	2,909.71
2		2		2		2	5,068.12	2	4,708.54	2	4,347.27	2	3,986.00	2	3,624.73	2	3,263.46	2	2,902.18
1/4		1/4		1/4		1/4	5,060.69	1/4	4,701.02	1/4	4,339.74	1/4	3,978.47	1/4	3,617.20	1/4	3,255.93	1/4	2,894.66
1/2		1/2		1/2		1/2	5,053.27	1/2	4,693.49	1/2	4,332.22	1/2	3,970.95	1/2	3,609.67	1/2	3,248.40	1/2	2,887.13
3/4		3/4		3/4		3/4	5,045.83	3/4	4,685.96	3/4	4,324.69	3/4	3,963.42	3/4	3,602.15	3/4	3,240.88	3/4	2,879.60
3		3		3		3	5,038.39	3	4,678.44	3	4,317.17	3	3,955.89	3	3,594.62	3	3,233.35	3	2,872.08
1/4		1/4		1/4		1/4	5,030.95	1/4	4,670.91	1/4	4,309.64	1/4	3,948.37	1/4	3,587.09	1/4	3,225.82	1/4	2,864.55
1/2		1/2		1/2		1/2	5,023.52	1/2	4,663.38	1/2	4,302.11	1/2	3,940.84	1/2	3,579.57	1/2	3,218.30	1/2	2,857.02
3/4		3/4		3/4		3/4	5,016.02	3/4	4,655.86	3/4	4,294.59	3/4	3,933.31	3/4	3,572.04	3/4	3,210.77	3/4	2,849.50
4		4		4		4	5,008.52	4	4,648.33	4	4,287.06	4	3,925.79	4	3,564.52	4	3,203.24	4	2,841.97
1/4		1/4		1/4		1/4	5,001.02	1/4	4,640.80	1/4	4,279.53	1/4	3,918.26	1/4	3,556.99	1/4	3,195.72	1/4	2,834.44
1/2		1/2		1/2		1/2	4,993.52	1/2	4,633.28	1/2	4,272.01	1/2	3,910.73	1/2	3,549.46	1/2	3,188.19	1/2	2,826.92
3/4		3/4		3/4		3/4	4,986.02	3/4	4,625.75	3/4	4,264.48	3/4	3,903.21	3/4	3,541.94	3/4	3,180.66	3/4	2,819.39
5		5		5		5	4,978.52	5	4,618.23	5	4,256.95	5	3,895.68	5	3,534.41	5	3,173.14	5	2,811.87
1/4		1/4		1/4		1/4	4,971.02	1/4	4,610.70	1/4	4,249.43	1/4	3,888.15	1/4	3,526.88	1/4	3,165.61	1/4	2,804.34
1/2		1/2		1/2		1/2	4,963.52	1/2	4,603.17	1/2	4,241.90	1/2	3,880.63	1/2	3,519.36	1/2	3,158.08	1/2	2,796.81
3/4		3/4		3/4		3/4	4,956.02	3/4	4,595.65	3/4	4,234.37	3/4	3,873.10	3/4	3,511.83	3/4	3,150.56	3/4	2,789.29
6		6		6		6	4,948.53	6	4,588.12	6	4,226.85	6	3,865.58	6	3,504.30	6	3,143.03	6	2,781.76
1/4		1/4		1/4		1/4	4,941.03	1/4	4,580.59	1/4	4,219.32	1/4	3,858.05	1/4	3,496.78	1/4	3,135.50	1/4	2,774.23
1/2		1/2		1/2	5,270.04	1/2	4,933.53	1/2	4,573.07	1/2	4,211.79	1/2	3,850.52	1/2	3,489.25	1/2	3,127.98	1/2	2,766.71
3/4		3/4		3/4	5,265.57	3/4	4,926.03	3/4	4,565.54	3/4	4,204.27	3/4	3,843.00	3/4	3,481.72	3/4	3,120.45	3/4	2,759.18
7		7		7	5,261.10	7	4,918.54	7	4,558.01	7	4,196.74	7	3,835.47	7	3,474.20	7	3,112.93	7	2,751.65
1/4		1/4		1/4	5,256.62	1/4	4,911.04	1/4	4,550.49	1/4	4,189.21	1/4	3,827.94	1/4	3,466.67	1/4	3,105.40	1/4	2,744.13
1/2		1/2		1/2	5,252.15	1/2	4,903.54	1/2	4,542.96	1/2	4,181.69	1/2	3,820.42	1/2	3,459.14	1/2	3,097.87	1/2	2,736.60
3/4		3/4		3/4	5,246.45	3/4	4,896.04	3/4	4,535.43	3/4	4,174.16	3/4	3,812.89	3/4	3,451.62	3/4	3,090.35	3/4	2,729.07
8		8		8	5,240.75	8	4,888.55	8	4,527.91	8	4,166.64	8	3,805.36	8	3,444.09	8	3,082.82	8	2,721.55
1/4		1/4		1/4	5,235.04	1/4	4,881.05	1/4	4,520.38	1/4	4,159.11	1/4	3,797.84	1/4	3,436.56	1/4	3,075.29	1/4	2,714.02
1/2		1/2		1/2	5,229.34	1/2	4,873.55	1/2	4,512.85	1/2	4,151.58	1/2	3,790.31	1/2	3,429.04	1/2	3,067.77	1/2	2,706.49
3/4		3/4		3/4	5,222.46	3/4	4,866.05	3/4	4,505.33	3/4	4,144.06	3/4	3,782.78	3/4	3,421.51	3/4	3,060.24	3/4	2,698.97
9		9		9	5,215.59	9	4,858.56	9	4,497.80	9	4,136.53	9	3,775.26	9	3,413.99	9	3,052.71	9	2,691.44
1/4		1/4		1/4	5,208.71	1/4	4,851.06	1/4	4,490.27	1/4	4,129.00	1/4	3,767.73	1/4	3,406.46	1/4	3,045.19	1/4	2,683.91
1/2		1/2		1/2	5,201.83	1/2	4,843.56	1/2	4,482.75	1/2	4,121.48	1/2	3,760.20	1/2	3,398.93	1/2	3,037.66	1/2	2,676.39
3/4		3/4		3/4	5,194.40	3/4	4,836.06	3/4	4,475.22	3/4	4,113.95	3/4	3,752.68	3/4	3,391.41	3/4	3,030.13	3/4	2,668.86
10		10		10	5,186.97	10	4,828.57	10	4,467.70	10	4,106.42	10	3,745.15	10	3,383.88	10	3,022.61	10	2,661.34
1/4		1/4		1/4	5,179.55	1/4	4,821.07	1/4	4,460.17	1/4	4,098.90	1/4	3,737.62	1/4	3,376.35	1/4	3,015.08	1/4	2,653.81
1/2		1/2		1/2	5,172.12	1/2	4,813.57	1/2	4,452.64	1/2	4,091.37	1/2	3,730.10	1/2	3,368.83	1/2	3,007.55	1/2	2,646.28
3/4		3/4		3/4	5,164.69	3/4	4,806.08	3/4	4,445.12	3/4	4,083.84	3/4	3,722.57	3/4	3,361.30	3/4	3,000.03	3/4	2,638.76
11		11		11	5,157.26	11	4,798.58	11	4,437.59	11	4,076.32	11	3,715.05	11	3,353.77	11	2,992.50	11	2,631.23
1/4		1/4		1/4	5,149.83	1/4	4,791.08	1/4	4,430.06	1/4	4,068.79	1/4	3,707.52	1/4	3,346.25	1/4	2,984.97	1/4	2,623.71
1/2		1/2		1/2	5,142.40	1/2	4,783.58	1/2	4,422.54	1/2	4,061.26	1/2	3,699.99	1/2	3,338.72	1/2	2,977.45	1/2	2,616.18
3/4		3/4		3/4	5,134.98	3/4	4,776.09	3/4	4,415.01	3/4	4,053.74	3/4	3,692.47	3/4	3,331.19	3/4	2,969.92	3/4	2,608.65

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 WITH HERMETIC CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 40'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 30111"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 17'-02 5/8"

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	2,601.13	0	2,239.72	0	1,878.31	0	1,516.91	0	1,155.63	0	794.60	0	433.21	0	73.70	0		0	
1/4	2,593.60	1/4	2,232.19	1/4	1,870.78	1/4	1,509.38	1/4	1,148.11	1/4	787.07	1/4	425.68	1/4	66.95	1/4		1/4	
1/2	2,586.07	1/2	2,224.66	1/2	1,863.25	1/2	1,501.85	1/2	1,140.60	1/2	779.54	1/2	418.15	1/2	60.21	1/2		1/2	
3/4	2,578.54	3/4	2,217.13	3/4	1,855.72	3/4	1,494.32	3/4	1,133.08	3/4	772.01	3/4	410.62	3/4	54.72	3/4		3/4	
1	2,571.01	1	2,209.60	1	1,848.20	1	1,486.79	1	1,125.56	1	764.48	1	403.09	1	49.23	1		1	
1/4	2,563.48	1/4	2,202.07	1/4	1,840.67	1/4	1,479.26	1/4	1,118.05	1/4	756.95	1/4	395.56	1/4	43.74	1/4		1/4	
1/2	2,555.95	1/2	2,194.54	1/2	1,833.14	1/2	1,471.73	1/2	1,110.53	1/2	749.42	1/2	388.03	1/2	38.25	1/2		1/2	
3/4	2,548.42	3/4	2,187.01	3/4	1,825.61	3/4	1,464.20	3/4	1,103.01	3/4	741.89	3/4	380.50	3/4	34.02	3/4		3/4	
2	2,540.89	2	2,179.48	2	1,818.08	2	1,456.67	2	1,095.49	2	734.37	2	372.97	2	29.78	2		2	
1/4	2,533.36	1/4	2,171.96	1/4	1,810.55	1/4	1,449.14	1/4	1,087.98	1/4	726.84	1/4	365.44	1/4	25.55	1/4		1/4	
1/2	2,525.83	1/2	2,164.43	1/2	1,803.02	1/2	1,441.61	1/2	1,080.46	1/2	719.31	1/2	357.92	5/8	21.32	1/2		1/2	
3/4	2,518.30	3/4	2,156.90	3/4	1,795.49	3/4	1,434.08	3/4	1,072.94	3/4	711.78	3/4	350.39	3/4		3/4		3/4	
3	2,510.77	3	2,149.37	3	1,787.96	3	1,426.55	3	1,065.43	3	704.25	3	342.86	3		3		3	
1/4	2,503.24	1/4	2,141.84	1/4	1,780.43	1/4	1,419.03	1/4	1,057.91	1/4	696.72	1/4	335.33	1/4		1/4		1/4	
1/2	2,495.72	1/2	2,134.31	1/2	1,772.90	1/2	1,411.50	1/2	1,050.39	1/2	689.19	1/2	327.80	1/2		1/2		1/2	
3/4	2,488.19	3/4	2,126.78	3/4	1,765.37	3/4	1,403.97	3/4	1,042.88	3/4	681.66	3/4	320.27	3/4		3/4		3/4	
4	2,480.66	4	2,119.25	4	1,757.84	4	1,396.44	4	1,035.36	4	674.13	4	312.74	4		4		4	
1/4	2,473.13	1/4	2,111.72	1/4	1,750.31	1/4	1,388.91	1/4	1,027.84	1/4	666.60	1/4	305.21	1/4		1/4		1/4	
1/2	2,465.60	1/2	2,104.19	1/2	1,742.79	1/2	1,381.38	1/2	1,020.32	1/2	659.08	1/2	297.68	1/2		1/2		1/2	
3/4	2,458.07	3/4	2,096.66	3/4	1,735.26	3/4	1,373.85	3/4	1,012.81	3/4	651.55	3/4	290.15	3/4		3/4		3/4	
5	2,450.54	5	2,089.13	5	1,727.73	5	1,366.32	5	1,005.29	5	644.02	5	282.63	5		5		5	
1/4	2,443.01	1/4	2,081.60	1/4	1,720.20	1/4	1,358.79	1/4	997.77	1/4	636.49	1/4	275.10	1/4		1/4		1/4	
1/2	2,435.48	1/2	2,074.07	1/2	1,712.67	1/2	1,351.26	1/2	990.26	1/2	628.96	1/2	267.57	1/2		1/2		1/2	
3/4	2,427.95	3/4	2,066.55	3/4	1,705.14	3/4	1,343.73	3/4	982.74	3/4	621.43	3/4	260.04	3/4		3/4		3/4	
6	2,420.42	6	2,059.02	6	1,697.61	6	1,336.20	6	975.22	6	613.90	6	252.51	6		6		6	
1/4	2,412.89	1/4	2,051.49	1/4	1,690.08	1/4	1,328.67	1/4	967.71	1/4	606.37	1/4	244.98	1/4		1/4		1/4	
1/2	2,405.36	1/2	2,043.96	1/2	1,682.55	1/2	1,321.14	1/2	960.19	1/2	598.84	1/2	237.45	1/2		1/2		1/2	
3/4	2,397.83	3/4	2,036.43	3/4	1,675.02	3/4	1,313.62	3/4	952.67	3/4	591.31	3/4	229.92	3/4		3/4		3/4	
7	2,390.31	7	2,028.90	7	1,667.49	7	1,306.09	7	945.15	7	583.79	7	222.39	7		7		7	
1/4	2,382.78	1/4	2,021.37	1/4	1,659.96	1/4	1,298.56	1/4	937.64	1/4	576.26	1/4	214.86	1/4		1/4		1/4	
1/2	2,375.25	1/2	2,013.84	1/2	1,652.43	1/2	1,291.03	1/2	930.12	1/2	568.73	1/2	207.34	1/2		1/2		1/2	
3/4	2,367.72	3/4	2,006.31	3/4	1,644.90	3/4	1,283.50	3/4	922.59	3/4	561.20	3/4	199.81	3/4		3/4		3/4	
8	2,360.19	8	1,998.78	8	1,637.38	8	1,275.97	8	915.06	8	553.67	8	192.28	8		8		8	
1/4	2,352.66	1/4	1,991.25	1/4	1,629.85	1/4	1,268.44	1/4	907.53	1/4	546.14	1/4	184.75	1/4		1/4		1/4	
1/2	2,345.13	1/2	1,983.72	1/2	1,622.32	1/2	1,260.91	1/2	900.00	1/2	538.61	1/2	177.22	1/2		1/2		1/2	
3/4	2,337.60	3/4	1,976.19	3/4	1,614.79	3/4	1,253.38	3/4	892.47	3/4	531.08	3/4	169.69	3/4		3/4		3/4	
9	2,330.07	9	1,968.66	9	1,607.26	9	1,245.86	9	884.95	9	523.55	9	162.16	9		9		9	
1/4	2,322.54	1/4	1,961.13	1/4	1,599.73	1/4	1,238.33	1/4	877.42	1/4	516.02	1/4	154.63	1/4		1/4		1/4	
1/2	2,315.01	1/2	1,953.61	1/2	1,592.20	1/2	1,230.80	1/2	869.89	1/2	508.50	1/2	147.10	1/2		1/2		1/2	
3/4	2,307.48	3/4	1,946.08	3/4	1,584.67	3/4	1,223.28	3/4	862.36	3/4	500.97	3/4	139.57	3/4		3/4		3/4	
10	2,299.95	10	1,938.55	10	1,577.14	10	1,215.77	10	854.83	10	493.44	10	132.05	10		10		10	
1/4	2,292.42	1/4	1,931.02	1/4	1,569.61	1/4	1,208.25	1/4	847.30	1/4	485.91	1/4	124.52	1/4		1/4		1/4	
1/2	2,284.89	1/2	1,923.49	1/2	1,562.08	1/2	1,200.73	1/2	839.77	1/2	478.38	1/2	116.99	1/2		1/2		1/2	
3/4	2,277.37	3/4	1,915.96	3/4	1,554.55	3/4	1,193.22	3/4	832.24	3/4	470.85	3/4	109.54	3/4		3/4		3/4	
11	2,269.84	11	1,908.43	11	1,547.02	11	1,185.70	11	824.71	11	463.32	11	102.09	11		11		11	
1/4	2,262.31	1/4	1,900.90	1/4	1,539.49	1/4	1,178.18	1/4	817.18	1/4	455.79	1/4	94.64	1/4		1/4		1/4	
1/2	2,254.78	1/2	1,893.37	1/2	1,531.96	1/2	1,170.66	1/2	809.66	1/2	448.26	1/2	87.19	1/2		1/2		1/2	
3/4	2,247.25	3/4	1,885.84	3/4	1,524.44	3/4	1,163.15	3/4	802.13	3/4	440.73	3/4	80.44	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/26/2012 CL - SW
RECALCULATED: 01/06/2016 SW
NAEM CHANGE: 03/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

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



BARGE "CTC 30111"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 17'-02 5/8"

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		0	5,114.11	0	4,754.98	0	4,393.69	0	4,032.25	0	3,670.80	0	3,309.36	0	2,947.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,106.68	1/4	4,747.48	1/4	4,386.16	1/4	4,024.72	1/4	3,663.27	1/4	3,301.83	1/4	2,940.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,099.25	1/2	4,739.98	1/2	4,378.63	1/2	4,017.19	1/2	3,655.74	1/2	3,294.30	1/2	2,932.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,091.81	3/4	4,732.47	3/4	4,371.10	3/4	4,009.66	3/4	3,648.21	3/4	3,286.77	3/4	2,925.32		
1		1		1		1	5,084.38	1	4,724.97	1	4,363.57	1	4,002.13	1	3,640.68	1	3,279.24	1	2,917.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,076.95	1/4	4,717.46	1/4	4,356.04	1/4	3,994.60	1/4	3,633.15	1/4	3,271.71	1/4	2,910.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,069.52	1/2	4,709.96	1/2	4,348.51	1/2	3,987.07	1/2	3,625.62	1/2	3,264.18	1/2	2,902.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,062.09	3/4	4,702.43	3/4	4,340.98	3/4	3,979.54	3/4	3,618.09	3/4	3,256.65	3/4	2,895.20		
2		2		2		2	5,054.65	2	4,694.90	2	4,333.45	2	3,972.01	2	3,610.56	2	3,249.12	2	2,887.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,047.22	1/4	4,687.37	1/4	4,325.92	1/4	3,964.48	1/4	3,603.03	1/4	3,241.59	1/4	2,880.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,039.79	1/2	4,679.84	1/2	4,318.39	1/2	3,956.95	1/2	3,595.50	1/2	3,234.06	1/2	2,872.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,032.35	3/4	4,672.31	3/4	4,310.86	3/4	3,949.42	3/4	3,587.97	3/4	3,226.53	3/4	2,865.08		
3		3		3		3	5,024.91	3	4,664.78	3	4,303.33	3	3,941.89	3	3,580.44	3	3,219.00	3	2,857.55		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,017.47	1/4	4,657.25	1/4	4,295.80	1/4	3,934.36	1/4	3,572.91	1/4	3,211.47	1/4	2,850.02		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,010.03	1/2	4,649.72	1/2	4,288.27	1/2	3,926.83	1/2	3,565.38	1/2	3,203.94	1/2	2,842.49		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,002.53	3/4	4,642.19	3/4	4,280.74	3/4	3,919.30	3/4	3,557.85	3/4	3,196.41	3/4	2,834.96		
4		4		4		4	4,995.02	4	4,634.66	4	4,273.21	4	3,911.77	4	3,550.32	4	3,188.88	4	2,827.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,987.52	1/4	4,627.13	1/4	4,265.68	1/4	3,904.24	1/4	3,542.79	1/4	3,181.35	1/4	2,819.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,980.02	1/2	4,619.60	1/2	4,258.15	1/2	3,896.71	1/2	3,535.26	1/2	3,173.82	1/2	2,812.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,972.51	3/4	4,612.07	3/4	4,250.62	3/4	3,889.18	3/4	3,527.73	3/4	3,166.29	3/4	2,804.84		
5		5		5		5	4,965.01	5	4,604.54	5	4,243.09	5	3,881.65	5	3,520.20	5	3,158.76	5	2,797.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,957.51	1/4	4,597.01	1/4	4,235.56	1/4	3,874.12	1/4	3,512.67	1/4	3,151.23	1/4	2,789.78		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,950.00	1/2	4,589.48	1/2	4,228.03	1/2	3,866.59	1/2	3,505.14	1/2	3,143.70	1/2	2,782.25		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,942.50	3/4	4,581.95	3/4	4,220.50	3/4	3,859.06	3/4	3,497.61	3/4	3,136.17	3/4	2,774.72		
6		6		6		6	4,935.00	6	4,574.42	6	4,212.97	6	3,851.53	6	3,490.08	6	3,128.64	6	2,767.19		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,927.50	1/4	4,566.89	1/4	4,205.44	1/4	3,844.00	1/4	3,482.55	1/4	3,121.11	1/4	2,759.66		
1/2	1/2	1/2	5/8	1/2	5,256.67	1/2	4,920.00	1/2	4,559.36	1/2	4,197.91	1/2	3,836.47	1/2	3,475.02	1/2	3,113.58	1/2	2,752.13		
3/4	3/4	3/4	3/4	3/4	5,252.20	3/4	4,912.50	3/4	4,551.83	3/4	4,190.38	3/4	3,828.94	3/4	3,467.49	3/4	3,106.05	3/4	2,744.60		
7		7		7		7	5,247.72	7	4,905.00	7	4,544.29	7	4,182.85	7	3,821.41	7	3,459.96	7	3,098.52	7	2,737.07
1/4	1/4	1/4	1/4	1/4	5,243.25	1/4	4,897.50	1/4	4,536.76	1/4	4,175.32	1/4	3,813.88	1/4	3,452.43	1/4	3,090.99	1/4	2,729.54		
1/2	1/2	1/2	1/2	1/2	5,238.77	1/2	4,890.00	1/2	4,529.23	1/2	4,167.79	1/2	3,806.35	1/2	3,444.90	1/2	3,083.46	1/2	2,722.01		
3/4	3/4	3/4	3/4	3/4	5,233.07	3/4	4,882.49	3/4	4,521.70	3/4	4,160.26	3/4	3,798.82	3/4	3,437.37	3/4	3,075.93	3/4	2,714.48		
8		8		8		8	5,227.36	8	4,874.99	8	4,514.17	8	4,152.73	8	3,791.28	8	3,429.84	8	3,068.40	8	2,706.95
1/4	1/4	1/4	1/4	1/4	5,221.66	1/4	4,867.49	1/4	4,506.64	1/4	4,145.20	1/4	3,783.75	1/4	3,422.31	1/4	3,060.87	1/4	2,699.42		
1/2	1/2	1/2	1/2	1/2	5,215.95	1/2	4,859.99	1/2	4,499.11	1/2	4,137.67	1/2	3,776.22	1/2	3,414.78	1/2	3,053.34	1/2	2,691.89		
3/4	3/4	3/4	3/4	3/4	5,209.07	3/4	4,852.49	3/4	4,491.58	3/4	4,130.14	3/4	3,768.69	3/4	3,407.25	3/4	3,045.81	3/4	2,684.36		
9		9		9		9	5,202.19	9	4,844.99	9	4,484.05	9	4,122.61	9	3,761.16	9	3,399.72	9	3,038.28	9	2,676.83
1/4	1/4	1/4	1/4	1/4	5,195.31	1/4	4,837.49	1/4	4,476.52	1/4	4,115.08	1/4	3,753.63	1/4	3,392.19	1/4	3,030.74	1/4	2,669.30		
1/2	1/2	1/2	1/2	1/2	5,188.43	1/2	4,829.99	1/2	4,468.99	1/2	4,107.55	1/2	3,746.10	1/2	3,384.66	1/2	3,023.21	1/2	2,661.77		
3/4	3/4	3/4	3/4	3/4	5,181.00	3/4	4,822.49	3/4	4,461.46	3/4	4,100.02	3/4	3,738.57	3/4	3,377.13	3/4	3,015.68	3/4	2,654.24		
10		10		10		10	5,173.56	10	4,814.99	10	4,453.93	10	4,092.49	10	3,731.04	10	3,369.60	10	3,008.15	10	2,646.71
1/4	1/4	1/4	1/4	1/4	5,166.13	1/4	4,807.48	1/4	4,446.40	1/4	4,084.96	1/4	3,723.51	1/4	3,362.07	1/4	3,000.62	1/4	2,639.18		
1/2	1/2	1/2	1/2	1/2	5,158.70	1/2	4,799.98	1/2	4,438.87	1/2	4,077.43	1/2	3,715.98	1/2	3,354.54	1/2	2,993.09	1/2	2,631.65		
3/4	3/4	3/4	3/4	3/4	5,151.27	3/4	4,792.48	3/4	4,431.34	3/4	4,069.90	3/4	3,708.45	3/4	3,347.01	3/4	2,985.56	3/4	2,624.12		
11		11		11		11	5,143.84	11	4,784.98	11	4,423.81	11	4,062.37	11	3,700.92	11	3,339.48	11	2,978.03	11	2,616.58
1/4	1/4	1/4	1/4	1/4	5,136.40	1/4	4,777.48	1/4	4,416.28	1/4	4,054.84	1/4	3,693.39	1/4	3,331.95	1/4	2,970.50	1/4	2,609.05		
1/2	1/2	1/2	1/2	1/2	5,128.97	1/2	4,769.98	1/2	4,408.75	1/2	4,047.31	1/2	3,685.86	1/2	3,324.42	1/2	2,962.97	1/2	2,601.52		
3/4	3/4	3/4	3/4	3/4	5,121.54	3/4	4,762.48	3/4	4,401.22	3/4	4,039.78	3/4	3,678.33	3/4	3,316.89	3/4	2,955.44	3/4	2,593.98		

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 WITH HERMETIC CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 40'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 30111"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 17'-02 5/8"

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	2,586.45	0	2,224.88	0	1,863.30	0	1,501.73	0	1,145.09	0	794.98	0	433.41	0	73.73	0		0	
1/4	2,578.92	1/4	2,217.34	1/4	1,855.77	1/4	1,494.19	1/4	1,137.90	1/4	787.44	1/4	425.88	1/4	66.98	1/4		1/4	
1/2	2,571.38	1/2	2,209.81	1/2	1,848.24	1/2	1,486.66	1/2	1,130.71	1/2	779.91	1/2	418.35	1/2	60.24	1/2		1/2	
3/4	2,563.85	3/4	2,202.28	3/4	1,840.70	3/4	1,479.13	3/4	1,123.52	3/4	772.38	3/4	410.81	3/4	54.74	3/4		3/4	
1	2,556.32	1	2,194.74	1	1,833.17	1	1,471.60	1	1,116.33	1	764.85	1	403.28	1	49.25	1		1	
1/4	2,548.79	1/4	2,187.21	1/4	1,825.64	1/4	1,464.06	1/4	1,109.14	1/4	757.31	1/4	395.75	1/4	43.76	1/4		1/4	
1/2	2,541.25	1/2	2,179.68	1/2	1,818.10	1/2	1,456.53	1/2	1,101.95	1/2	749.78	1/2	388.22	1/2	38.27	1/2		1/2	
3/4	2,533.72	3/4	2,172.15	3/4	1,810.57	3/4	1,449.00	3/4	1,094.76	3/4	742.25	3/4	380.68	3/4	34.03	3/4		3/4	
2	2,526.19	2	2,164.61	2	1,803.04	2	1,441.46	2	1,087.57	2	734.72	2	373.15	2	29.80	2		2	
1/4	2,518.65	1/4	2,157.08	1/4	1,795.51	1/4	1,433.93	1/4	1,080.38	1/4	727.18	1/4	365.62	1/4	25.56	1/4		1/4	
1/2	2,511.12	1/2	2,149.55	1/2	1,787.97	1/2	1,426.40	1/2	1,073.19	1/2	719.65	1/2	358.09	5/8	21.33	1/2		1/2	
3/4	2,503.59	3/4	2,142.01	3/4	1,780.44	3/4	1,418.87	3/4	1,066.00	3/4	712.12	3/4	350.55	3/4		3/4		3/4	
3	2,496.06	3	2,134.48	3	1,772.91	3	1,411.33	3	1,058.81	3	704.59	3	343.02	3		3		3	
1/4	2,488.52	1/4	2,126.95	1/4	1,765.37	1/4	1,403.80	1/4	1,051.63	1/4	697.05	1/4	335.49	1/4		1/4		1/4	
1/2	2,480.99	1/2	2,119.42	1/2	1,757.84	1/2	1,396.27	1/2	1,044.44	1/2	689.52	1/2	327.96	1/2		1/2		1/2	
3/4	2,473.46	3/4	2,111.88	3/4	1,750.31	3/4	1,388.73	3/4	1,037.25	3/4	681.99	3/4	320.42	3/4		3/4		3/4	
4	2,465.92	4	2,104.35	4	1,742.78	4	1,381.20	4	1,030.06	4	674.46	4	312.89	4		4		4	
1/4	2,458.39	1/4	2,096.82	1/4	1,735.24	1/4	1,373.67	1/4	1,022.87	1/4	666.92	1/4	305.36	1/4		1/4		1/4	
1/2	2,450.86	1/2	2,089.28	1/2	1,727.71	1/2	1,366.14	1/2	1,015.68	1/2	659.39	1/2	297.83	1/2		1/2		1/2	
3/4	2,443.33	3/4	2,081.75	3/4	1,720.18	3/4	1,358.60	3/4	1,008.49	3/4	651.86	3/4	290.29	3/4		3/4		3/4	
5	2,435.79	5	2,074.22	5	1,712.64	5	1,351.07	5	1,001.30	5	644.32	5	282.76	5		5		5	
1/4	2,428.26	1/4	2,066.69	1/4	1,705.11	1/4	1,343.54	1/4	994.11	1/4	636.79	1/4	275.23	1/4		1/4		1/4	
1/2	2,420.73	1/2	2,059.15	1/2	1,697.58	1/2	1,336.00	1/2	986.92	1/2	629.26	1/2	267.69	1/2		1/2		1/2	
3/4	2,413.20	3/4	2,051.62	3/4	1,690.05	3/4	1,328.47	3/4	979.73	3/4	621.73	3/4	260.16	3/4		3/4		3/4	
6	2,405.66	6	2,044.09	6	1,682.51	6	1,320.94	6	972.54	6	614.19	6	252.63	6		6		6	
1/4	2,398.13	1/4	2,036.56	1/4	1,674.98	1/4	1,313.41	1/4	965.35	1/4	606.66	1/4	245.10	1/4		1/4		1/4	
1/2	2,390.60	1/2	2,029.02	1/2	1,667.45	1/2	1,305.87	1/2	958.16	1/2	599.13	1/2	237.56	1/2		1/2		1/2	
3/4	2,383.06	3/4	2,021.49	3/4	1,659.92	3/4	1,298.34	3/4	950.97	3/4	591.60	3/4	230.03	3/4		3/4		3/4	
7	2,375.53	7	2,013.96	7	1,652.38	7	1,290.81	7	943.78	7	584.06	7	222.50	7		7		7	
1/4	2,368.00	1/4	2,006.42	1/4	1,644.85	1/4	1,283.28	1/4	936.59	1/4	576.53	1/4	214.97	1/4		1/4		1/4	
1/2	2,360.47	1/2	1,998.89	1/2	1,637.32	1/2	1,275.74	1/2	929.40	1/2	569.00	1/2	207.43	1/2		1/2		1/2	
3/4	2,352.93	3/4	1,991.36	3/4	1,629.78	3/4	1,268.25	3/4	922.16	3/4	561.47	3/4	199.90	3/4		3/4		3/4	
8	2,345.40	8	1,983.83	8	1,622.25	8	1,260.76	8	914.92	8	553.93	8	192.37	8		8		8	
1/4	2,337.87	1/4	1,976.29	1/4	1,614.72	1/4	1,253.27	1/4	907.68	1/4	546.40	1/4	184.84	1/4		1/4		1/4	
1/2	2,330.33	1/2	1,968.76	1/2	1,607.19	1/2	1,245.78	1/2	900.43	1/2	538.87	1/2	177.30	1/2		1/2		1/2	
3/4	2,322.80	3/4	1,961.23	3/4	1,599.65	3/4	1,238.58	3/4	892.90	3/4	531.34	3/4	169.77	3/4		3/4		3/4	
9	2,315.27	9	1,953.69	9	1,592.12	9	1,231.38	9	885.37	9	523.80	9	162.24	9		9		9	
1/4	2,307.74	1/4	1,946.16	1/4	1,584.59	1/4	1,224.18	1/4	877.84	1/4	516.27	1/4	154.71	1/4		1/4		1/4	
1/2	2,300.20	1/2	1,938.63	1/2	1,577.05	1/2	1,216.98	1/2	870.30	1/2	508.74	1/2	147.17	1/2		1/2		1/2	
3/4	2,292.67	3/4	1,931.10	3/4	1,569.52	3/4	1,209.79	3/4	862.77	3/4	501.21	3/4	139.64	3/4		3/4		3/4	
10	2,285.14	10	1,923.56	10	1,561.99	10	1,202.60	10	855.24	10	493.67	10	132.11	10		10		10	
1/4	2,277.60	1/4	1,916.03	1/4	1,554.46	1/4	1,195.41	1/4	847.71	1/4	486.14	1/4	124.58	1/4		1/4		1/4	
1/2	2,270.07	1/2	1,908.50	1/2	1,546.92	1/2	1,188.22	1/2	840.17	1/2	478.61	1/2	117.04	1/2		1/2		1/2	
3/4	2,262.54	3/4	1,900.96	3/4	1,539.39	3/4	1,181.03	3/4	832.64	3/4	471.08	3/4	109.59	3/4		3/4		3/4	
11	2,255.01	11	1,893.43	11	1,531.86	11	1,173.84	11	825.11	11	463.54	11	102.13	11		11		11	
1/4	2,247.47	1/4	1,885.90	1/4	1,524.32	1/4	1,166.65	1/4	817.57	1/4	456.01	1/4	94.68	1/4		1/4		1/4	
1/2	2,239.94	1/2	1,878.37	1/2	1,516.79	1/2	1,159.46	1/2	810.04	1/2	448.48	1/2	87.23	1/2		1/2		1/2	
3/4	2,232.41	3/4	1,870.83	3/4	1,509.26	3/4	1,152.28	3/4	802.51	3/4	440.94	3/4	80.48	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/26/2012 CL - SW
RECALCULATED: 01/06/2016 SW
NAME CHANGE: 03/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

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



BARGE "CTC 30111"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 17'-03 3/8"

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		0	4,375.61	0	4,183.40	0	3,989.99	0	3,796.45	0	3,602.91	0	3,328.83	0	2,970.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,371.63	1/4	4,179.39	1/4	3,985.96	1/4	3,792.42	1/4	3,598.88	1/4	3,321.37	1/4	2,963.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,367.65	1/2	4,175.37	1/2	3,981.93	1/2	3,788.39	1/2	3,594.85	1/2	3,313.93	1/2	2,955.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,363.67	3/4	4,171.35	3/4	3,977.90	3/4	3,784.36	3/4	3,590.82	3/4	3,306.49	3/4	2,948.27
1		1		1		1	4,359.69	1	4,167.33	1	3,973.86	1	3,780.32	1	3,586.78	1	3,299.04	1	2,940.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,355.71	1/4	4,163.32	1/4	3,969.83	1/4	3,776.29	1/4	3,582.75	1/4	3,291.60	1/4	2,933.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,351.74	1/2	4,159.30	1/2	3,965.80	1/2	3,772.26	1/2	3,578.72	1/2	3,284.15	1/2	2,925.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,347.76	3/4	4,155.28	3/4	3,961.77	3/4	3,768.23	3/4	3,574.69	3/4	3,276.71	3/4	2,918.36
2		2		2		2	4,343.78	2	4,151.26	2	3,957.74	2	3,764.20	2	3,570.65	2	3,269.27	2	2,910.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,339.80	1/4	4,147.25	1/4	3,953.70	1/4	3,760.16	1/4	3,566.62	1/4	3,261.82	1/4	2,903.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,335.82	1/2	4,143.21	1/2	3,949.67	1/2	3,756.13	1/2	3,562.59	1/2	3,254.38	1/2	2,895.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,331.84	3/4	4,139.18	3/4	3,945.64	3/4	3,752.10	3/4	3,558.56	3/4	3,246.93	3/4	2,888.44
3		3		3		3	4,327.86	3	4,135.15	3	3,941.61	3	3,748.07	3	3,554.53	3	3,239.49	3	2,880.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,323.88	1/4	4,131.12	1/4	3,937.58	1/4	3,744.04	1/4	3,550.49	1/4	3,232.05	1/4	2,873.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,319.90	1/2	4,127.08	1/2	3,933.54	1/2	3,740.00	1/2	3,546.46	1/2	3,224.60	1/2	2,866.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,315.91	3/4	4,123.05	3/4	3,929.51	3/4	3,735.97	3/4	3,542.43	3/4	3,217.16	3/4	2,858.53
4		4		4		4	4,311.93	4	4,119.02	4	3,925.48	4	3,731.94	4	3,538.40	4	3,209.71	4	2,851.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,307.95	1/4	4,114.99	1/4	3,921.45	1/4	3,727.91	1/4	3,534.37	1/4	3,202.27	1/4	2,843.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,303.93	1/2	4,110.96	1/2	3,917.42	1/2	3,723.87	1/2	3,530.33	1/2	3,194.83	1/2	2,836.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,299.91	3/4	4,106.92	3/4	3,913.38	3/4	3,719.84	3/4	3,526.30	3/4	3,187.38	3/4	2,828.62
5		5		5		5	4,295.89	5	4,102.89	5	3,909.35	5	3,715.81	5	3,522.27	5	3,179.94	5	2,821.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,291.88	1/4	4,098.86	1/4	3,905.32	1/4	3,711.78	1/4	3,518.24	1/4	3,172.49	1/4	2,813.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,287.86	1/2	4,094.83	1/2	3,901.29	1/2	3,707.75	1/2	3,513.78	1/2	3,165.05	1/2	2,806.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,283.84	3/4	4,090.80	3/4	3,897.26	3/4	3,703.71	3/4	3,509.32	3/4	3,157.60	3/4	2,798.70
6		6		6		6	4,279.82	6	4,086.76	6	3,893.22	6	3,699.68	6	3,504.86	6	3,150.15	6	2,791.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,275.81	1/4	4,082.73	1/4	3,889.19	1/4	3,695.65	1/4	3,500.40	1/4	3,142.70	1/4	2,783.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,271.79	1/2	4,078.70	1/2	3,885.16	1/2	3,691.62	1/2	3,492.94	1/2	3,135.22	1/2	2,776.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,267.77	3/4	4,074.67	3/4	3,881.13	3/4	3,687.59	3/4	3,485.48	3/4	3,127.74	3/4	2,768.76
7		7		7		7	4,263.75	7	4,070.64	7	3,877.09	7	3,683.55	7	3,478.02	7	3,120.27	7	2,761.26
1/4	1/4	3/8	4,430.35	1/4	4,259.74	1/4	4,066.60	1/4	3,873.06	1/4	3,679.52	1/4	3,470.56	1/4	3,112.79	1/4	2,753.77		
1/2	1/2	1/2	4,429.32	1/2	4,255.72	1/2	4,062.57	1/2	3,869.03	1/2	3,675.49	1/2	3,463.10	1/2	3,105.31	1/2	2,746.28		
3/4	3/4	3/4	4,428.30	3/4	4,251.70	3/4	4,058.54	3/4	3,865.00	3/4	3,671.46	3/4	3,455.64	3/4	3,097.83	3/4	2,738.79		
8		8	4,427.27	8	4,247.68	8	4,054.51	8	3,860.97	8	3,667.43	8	3,448.18	8	3,090.35	8	2,731.30		
1/4	1/4	1/4	4,426.25	1/4	4,243.67	1/4	4,050.47	1/4	3,856.93	1/4	3,663.39	1/4	3,440.72	1/4	3,082.88	1/4	2,723.81		
1/2	1/2	1/2	4,423.98	1/2	4,239.65	1/2	4,046.44	1/2	3,852.90	1/2	3,659.36	1/2	3,433.26	1/2	3,075.40	1/2	2,716.32		
3/4	3/4	3/4	4,421.72	3/4	4,235.63	3/4	4,042.41	3/4	3,848.87	3/4	3,655.33	3/4	3,425.80	3/4	3,067.92	3/4	2,708.82		
9		9	4,419.46	9	4,231.61	9	4,038.38	9	3,844.84	9	3,651.30	9	3,418.34	9	3,060.44	9	2,701.33		
1/4	1/4	1/4	4,417.20	1/4	4,227.60	1/4	4,034.35	1/4	3,840.81	1/4	3,647.26	1/4	3,410.88	1/4	3,052.96	1/4	2,693.84		
1/2	1/2	1/2	4,413.76	1/2	4,223.58	1/2	4,030.31	1/2	3,836.77	1/2	3,643.23	1/2	3,403.42	1/2	3,045.48	1/2	2,686.35		
3/4	3/4	3/4	4,410.33	3/4	4,219.56	3/4	4,026.28	3/4	3,832.74	3/4	3,639.20	3/4	3,395.96	3/4	3,038.01	3/4	2,678.86		
10		10	4,406.90	10	4,215.54	10	4,022.25	10	3,828.71	10	3,635.17	10	3,388.50	10	3,030.53	10	2,671.37		
1/4	1/4	1/4	4,403.46	1/4	4,211.53	1/4	4,018.22	1/4	3,824.68	1/4	3,631.14	1/4	3,381.04	1/4	3,023.05	1/4	2,663.88		
1/2	1/2	1/2	4,399.48	1/2	4,207.51	1/2	4,014.19	1/2	3,820.65	1/2	3,627.10	1/2	3,373.58	1/2	3,015.57	1/2	2,656.39		
3/4	3/4	3/4	4,395.51	3/4	4,203.49	3/4	4,010.15	3/4	3,816.61	3/4	3,623.07	3/4	3,366.12	3/4	3,008.09	3/4	2,648.90		
11		11	4,391.53	11	4,199.47	11	4,006.12	11	3,812.58	11	3,619.04	11	3,358.66	11	3,000.62	11	2,641.41		
1/4	1/4	1/4	4,387.55	1/4	4,195.46	1/4	4,002.09	1/4	3,808.55	1/4	3,615.01	1/4	3,351.20	1/4	2,993.14	1/4	2,633.92		
1/2	1/2	1/2	4,383.57	1/2	4,191.44	1/2	3,998.06	1/2	3,804.52	1/2	3,610.98	1/2	3,343.75	1/2	2,985.66	1/2	2,626.42		
3/4	3/4	3/4	4,379.59	3/4	4,187.42	3/4	3,994.03	3/4	3,800.48	3/4	3,606.94	3/4	3,336.29	3/4	2,978.18	3/4	2,618.93		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC CLOSED GAUGING DEVICE.
 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.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 30111"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 17'-03 3/8"

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	2,611.44	0	2,251.81	0	1,892.14	0	1,532.43	0	1,172.75	0	813.37	0	453.67	0	94.20	0		0	
1/4	2,603.95	1/4	2,244.32	1/4	1,884.65	1/4	1,524.93	1/4	1,165.27	1/4	805.88	1/4	446.17	1/4	86.78	1/4		1/4	
1/2	2,596.46	1/2	2,236.83	1/2	1,877.15	1/2	1,517.44	1/2	1,157.78	1/2	798.38	1/2	438.68	1/2	80.07	1/2		1/2	
3/4	2,588.96	3/4	2,229.33	3/4	1,869.66	3/4	1,509.94	3/4	1,150.30	3/4	790.89	3/4	431.19	3/4	73.36	3/4		3/4	
1	2,581.47	1	2,221.84	1	1,862.17	1	1,502.45	1	1,142.82	1	783.40	1	423.69	1	66.65	1		1	
1/4	2,573.98	1/4	2,214.35	1/4	1,854.67	1/4	1,494.96	1/4	1,135.33	1/4	775.90	1/4	416.20	1/4	59.93	1/4		1/4	
1/2	2,566.49	1/2	2,206.86	1/2	1,847.18	1/2	1,487.46	1/2	1,127.85	1/2	768.41	1/2	408.71	1/2	54.47	1/2		1/2	
3/4	2,559.00	3/4	2,199.37	3/4	1,839.68	3/4	1,479.97	3/4	1,120.36	3/4	760.91	3/4	401.21	3/4	49.01	3/4		3/4	
2	2,551.50	2	2,191.87	2	1,832.19	2	1,472.47	2	1,112.88	2	753.42	2	393.72	2	43.54	2		2	
1/4	2,544.01	1/4	2,184.38	1/4	1,824.70	1/4	1,464.98	1/4	1,105.39	1/4	745.93	1/4	386.22	1/4	38.08	1/4		1/4	
1/2	2,536.52	1/2	2,176.89	1/2	1,817.20	1/2	1,457.49	1/2	1,097.91	1/2	738.43	1/2	378.73	1/2	33.86	1/2		1/2	
3/4	2,529.03	3/4	2,169.40	3/4	1,809.71	3/4	1,449.99	3/4	1,090.42	3/4	730.94	3/4	371.24	3/4	29.65	3/4		3/4	
3	2,521.53	3	2,161.90	3	1,802.21	3	1,442.50	3	1,082.94	3	723.45	3	363.74	3	25.44	3		3	
1/4	2,514.04	1/4	2,154.41	1/4	1,794.72	1/4	1,435.00	1/4	1,075.45	1/4	715.95	1/4	356.25	3/8	21.22	1/4		1/4	
1/2	2,506.55	1/2	2,146.92	1/2	1,787.23	1/2	1,427.51	1/2	1,067.97	1/2	708.46	1/2	348.76	1/2		1/2		1/2	
3/4	2,499.06	3/4	2,139.43	3/4	1,779.73	3/4	1,420.01	3/4	1,060.48	3/4	700.96	3/4	341.26	3/4		3/4		3/4	
4	2,491.56	4	2,131.93	4	1,772.24	4	1,412.52	4	1,053.00	4	693.47	4	333.77	4		4		4	
1/4	2,484.07	1/4	2,124.44	1/4	1,764.74	1/4	1,405.03	1/4	1,045.51	1/4	685.98	1/4	326.27	1/4		1/4		1/4	
1/2	2,476.58	1/2	2,116.95	1/2	1,757.25	1/2	1,397.53	1/2	1,038.03	1/2	678.48	1/2	318.78	1/2		1/2		1/2	
3/4	2,469.09	3/4	2,109.46	3/4	1,749.76	3/4	1,390.04	3/4	1,030.55	3/4	670.99	3/4	311.29	3/4		3/4		3/4	
5	2,461.60	5	2,101.97	5	1,742.26	5	1,382.54	5	1,023.06	5	663.49	5	303.79	5		5		5	
1/4	2,454.10	1/4	2,094.47	1/4	1,734.77	1/4	1,375.05	1/4	1,015.58	1/4	656.00	1/4	296.30	1/4		1/4		1/4	
1/2	2,446.61	1/2	2,086.98	1/2	1,727.27	1/2	1,367.56	1/2	1,008.09	1/2	648.51	1/2	288.80	1/2		1/2		1/2	
3/4	2,439.12	3/4	2,079.49	3/4	1,719.78	3/4	1,360.06	3/4	1,000.61	3/4	641.01	3/4	281.31	3/4		3/4		3/4	
6	2,431.63	6	2,072.00	6	1,712.28	6	1,352.57	6	993.12	6	633.52	6	273.82	6		6		6	
1/4	2,424.13	1/4	2,064.50	1/4	1,704.79	1/4	1,345.07	1/4	985.64	1/4	626.03	1/4	266.32	1/4		1/4		1/4	
1/2	2,416.64	1/2	2,057.01	1/2	1,697.30	1/2	1,337.58	1/2	978.15	1/2	618.53	1/2	258.83	1/2		1/2		1/2	
3/4	2,409.15	3/4	2,049.52	3/4	1,689.80	3/4	1,330.09	3/4	970.67	3/4	611.04	3/4	251.34	3/4		3/4		3/4	
7	2,401.66	7	2,042.02	7	1,682.31	7	1,322.59	7	963.18	7	603.54	7	243.84	7		7		7	
1/4	2,394.16	1/4	2,034.53	1/4	1,674.81	1/4	1,315.10	1/4	955.70	1/4	596.05	1/4	236.35	1/4		1/4		1/4	
1/2	2,386.67	1/2	2,027.04	1/2	1,667.32	1/2	1,307.60	1/2	948.21	1/2	588.56	1/2	228.85	1/2		1/2		1/2	
3/4	2,379.18	3/4	2,019.54	3/4	1,659.83	3/4	1,300.11	3/4	940.73	3/4	581.06	3/4	221.36	3/4		3/4		3/4	
8	2,371.69	8	2,012.05	8	1,652.33	8	1,292.61	8	933.24	8	573.57	8	213.87	8		8		8	
1/4	2,364.20	1/4	2,004.55	1/4	1,644.84	1/4	1,285.12	1/4	925.76	1/4	566.08	1/4	206.37	1/4		1/4		1/4	
1/2	2,356.70	1/2	1,997.06	1/2	1,637.34	1/2	1,277.63	1/2	918.27	1/2	558.58	1/2	198.88	1/2		1/2		1/2	
3/4	2,349.21	3/4	1,989.57	3/4	1,629.85	3/4	1,270.13	3/4	910.78	3/4	551.09	3/4	191.39	3/4		3/4		3/4	
9	2,341.72	9	1,982.07	9	1,622.36	9	1,262.64	9	903.29	9	543.59	9	183.89	9		9		9	
1/4	2,334.23	1/4	1,974.58	1/4	1,614.86	1/4	1,255.14	1/4	895.80	1/4	536.10	1/4	176.40	1/4		1/4		1/4	
1/2	2,326.73	1/2	1,967.08	1/2	1,607.37	1/2	1,247.65	1/2	888.31	1/2	528.61	1/2	168.90	1/2		1/2		1/2	
3/4	2,319.24	3/4	1,959.59	3/4	1,599.87	3/4	1,240.16	3/4	880.81	3/4	521.11	3/4	161.41	3/4		3/4		3/4	
10	2,311.75	10	1,952.10	10	1,592.38	10	1,232.66	10	873.32	10	513.62	10	153.92	10		10		10	
1/4	2,304.26	1/4	1,944.60	1/4	1,584.88	1/4	1,225.17	1/4	865.83	1/4	506.12	1/4	146.42	1/4		1/4		1/4	
1/2	2,296.76	1/2	1,937.11	1/2	1,577.39	1/2	1,217.68	1/2	858.33	1/2	498.63	1/2	138.93	1/2		1/2		1/2	
3/4	2,289.27	3/4	1,929.61	3/4	1,569.90	3/4	1,210.19	3/4	850.84	3/4	491.14	3/4	131.43	3/4		3/4		3/4	
11	2,281.78	11	1,922.12	11	1,562.40	11	1,202.70	11	843.35	11	483.64	11	123.94	11		11		11	
1/4	2,274.29	1/4	1,914.63	1/4	1,554.91	1/4	1,195.21	1/4	835.85	1/4	476.15	1/4	116.45	1/4		1/4		1/4	
1/2	2,266.80	1/2	1,907.13	1/2	1,547.41	1/2	1,187.72	1/2	828.36	1/2	468.66	1/2	109.03	1/2		1/2		1/2	
3/4	2,259.30	3/4	1,899.64	3/4	1,539.92	3/4	1,180.24	3/4	820.86	3/4	461.16	3/4	101.62	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/26/2012 CL - SW
RECALCULATED: 01/06/2016 SW
NAME CHANGE: 03/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

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



BARGE "CTC 30111"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 17'-02 3/8"

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
							4,330.12		4,138.48		3,945.73		3,752.91		3,560.09		3,273.09		2,915.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,326.16	1/4	4,134.48	1/4	3,941.71	1/4	3,748.89	1/4	3,556.07	1/4	3,265.66	1/4	2,908.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,322.19	1/2	4,130.47	1/2	3,937.69	1/2	3,744.87	1/2	3,552.05	1/2	3,258.23	1/2	2,900.83		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,318.23	3/4	4,126.47	3/4	3,933.68	3/4	3,740.85	3/4	3,548.03	3/4	3,250.80	3/4	2,893.37		
1	1	1	1	1	1	1	4,314.27	1	4,122.47	1	3,929.66	1	3,736.84	1	3,544.02	1	3,243.37	1	2,885.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,310.30	1/4	4,118.46	1/4	3,925.64	1/4	3,732.82	1/4	3,540.00	1/4	3,235.94	1/4	2,878.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,306.34	1/2	4,114.44	1/2	3,921.62	1/2	3,728.80	1/2	3,535.98	1/2	3,228.52	1/2	2,871.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,302.37	3/4	4,110.43	3/4	3,917.61	3/4	3,724.79	3/4	3,531.97	3/4	3,221.09	3/4	2,863.54		
2	2	2	2	2	2	2	4,298.41	2	4,106.41	2	3,913.59	2	3,720.77	2	3,527.95	2	3,213.66	2	2,856.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,294.45	1/4	4,102.39	1/4	3,909.57	1/4	3,716.75	1/4	3,523.93	1/4	3,206.23	1/4	2,848.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,290.48	1/2	4,098.38	1/2	3,905.56	1/2	3,712.73	1/2	3,519.91	1/2	3,198.80	1/2	2,841.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,286.51	3/4	4,094.36	3/4	3,901.54	3/4	3,708.72	3/4	3,515.90	3/4	3,191.38	3/4	2,833.69		
3	3	3	3	3	3	3	4,282.54	3	4,090.34	3	3,897.52	3	3,704.70	3	3,511.88	3	3,183.95	3	2,826.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,278.57	1/4	4,086.33	1/4	3,893.50	1/4	3,700.68	1/4	3,507.86	1/4	3,176.52	1/4	2,818.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,274.57	1/2	4,082.31	1/2	3,889.49	1/2	3,696.67	1/2	3,503.85	1/2	3,169.09	1/2	2,811.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,270.56	3/4	4,078.29	3/4	3,885.47	3/4	3,692.65	3/4	3,499.83	3/4	3,161.66	3/4	2,803.84		
4	4	4	4	4	4	4	4,266.56	4	4,074.27	4	3,881.45	4	3,688.63	4	3,495.81	4	3,154.23	4	2,796.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,262.56	1/4	4,070.26	1/4	3,877.44	1/4	3,684.62	1/4	3,491.79	1/4	3,146.81	1/4	2,788.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,258.56	1/2	4,066.24	1/2	3,873.42	1/2	3,680.60	1/2	3,487.35	1/2	3,139.37	1/2	2,781.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,254.55	3/4	4,062.22	3/4	3,869.40	3/4	3,676.58	3/4	3,482.90	3/4	3,131.94	3/4	2,773.98		
5	5	5	5	5	5	5	4,250.55	5	4,058.21	5	3,865.38	5	3,672.56	5	3,478.46	5	3,124.51	5	2,766.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,246.55	1/4	4,054.19	1/4	3,861.37	1/4	3,668.55	1/4	3,474.01	1/4	3,117.08	1/4	2,759.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,242.55	1/2	4,050.17	1/2	3,857.35	1/2	3,664.53	1/2	3,466.57	1/2	3,109.61	1/2	2,751.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,238.54	3/4	4,046.15	3/4	3,853.33	3/4	3,660.51	3/4	3,459.12	3/4	3,102.15	3/4	2,744.10		
6	6	6	4,401.45	6	4,234.54	6	4,042.14	6	3,849.32	6	3,656.50	6	3,451.68	6	3,094.69	6	2,736.63				
1/4	1/4	3/8	4,400.44	1/4	4,230.54	1/4	4,038.12	1/4	3,845.30	1/4	3,652.48	1/4	3,444.24	1/4	3,087.23	1/4	2,729.15				
1/2	1/2	1/2	4,399.43	1/2	4,226.54	1/2	4,034.10	1/2	3,841.28	1/2	3,648.46	1/2	3,436.79	1/2	3,079.77	1/2	2,721.67				
3/4	3/4	3/4	4,398.42	3/4	4,222.53	3/4	4,030.09	3/4	3,837.27	3/4	3,644.44	3/4	3,429.35	3/4	3,072.30	3/4	2,714.20				
7	7	7	4,397.41	7	4,218.53	7	4,026.07	7	3,833.25	7	3,640.43	7	3,421.91	7	3,064.84	7	2,706.72				
1/4	1/4	1/4	4,396.39	1/4	4,214.53	1/4	4,022.05	1/4	3,829.23	1/4	3,636.41	1/4	3,414.46	1/4	3,057.38	1/4	2,699.25				
1/2	1/2	1/2	4,394.15	1/2	4,210.53	1/2	4,018.03	1/2	3,825.21	1/2	3,632.39	1/2	3,407.02	1/2	3,049.93	1/2	2,691.77				
3/4	3/4	3/4	4,391.90	3/4	4,206.52	3/4	4,014.02	3/4	3,821.20	3/4	3,628.38	3/4	3,399.57	3/4	3,042.47	3/4	2,684.30				
8	8	8	4,389.65	8	4,202.52	8	4,010.00	8	3,817.18	8	3,624.36	8	3,392.13	8	3,035.02	8	2,676.82				
1/4	1/4	1/4	4,387.40	1/4	4,198.52	1/4	4,005.98	1/4	3,813.16	1/4	3,620.34	1/4	3,384.69	1/4	3,027.56	1/4	2,669.35				
1/2	1/2	1/2	4,383.98	1/2	4,194.52	1/2	4,001.97	1/2	3,809.15	1/2	3,616.32	1/2	3,377.24	1/2	3,020.11	1/2	2,661.87				
3/4	3/4	3/4	4,380.57	3/4	4,190.51	3/4	3,997.95	3/4	3,805.13	3/4	3,612.31	3/4	3,369.80	3/4	3,012.65	3/4	2,654.40				
9	9	9	4,377.15	9	4,186.51	9	3,993.93	9	3,801.11	9	3,608.29	9	3,362.36	9	3,005.20	9	2,646.92				
1/4	1/4	1/4	4,373.73	1/4	4,182.51	1/4	3,989.91	1/4	3,797.09	1/4	3,604.27	1/4	3,354.91	1/4	2,997.74	1/4	2,639.45				
1/2	1/2	1/2	4,369.77	1/2	4,178.51	1/2	3,985.90	1/2	3,793.08	1/2	3,600.26	1/2	3,347.47	1/2	2,990.29	1/2	2,631.97				
3/4	3/4	3/4	4,365.80	3/4	4,174.50	3/4	3,981.88	3/4	3,789.06	3/4	3,596.24	3/4	3,340.03	3/4	2,982.83	3/4	2,624.50				
10	10	10	4,361.84	10	4,170.50	10	3,977.86	10	3,785.04	10	3,592.22	10	3,332.58	10	2,975.38	10	2,617.02				
1/4	1/4	1/4	4,357.87	1/4	4,166.50	1/4	3,973.85	1/4	3,781.03	1/4	3,588.20	1/4	3,325.14	1/4	2,967.92	1/4	2,609.55				
1/2	1/2	1/2	4,353.91	1/2	4,162.50	1/2	3,969.83	1/2	3,777.01	1/2	3,584.19	1/2	3,317.70	1/2	2,960.47	1/2	2,602.07				
3/4	3/4	3/4	4,349.94	3/4	4,158.49	3/4	3,965.81	3/4	3,772.99	3/4	3,580.17	3/4	3,310.25	3/4	2,953.01	3/4	2,594.60				
11	11	11	4,345.98	11	4,154.49	11	3,961.80	11	3,768.97	11	3,576.15	11	3,302.81	11	2,945.56	11	2,587.12				
1/4	1/4	1/4	4,342.02	1/4	4,150.49	1/4	3,957.78	1/4	3,764.96	1/4	3,572.14	1/4	3,295.37	1/4	2,938.10	1/4	2,579.64				
1/2	1/2	1/2	4,338.05	1/2	4,146.49	1/2	3,953.76	1/2	3,760.94	1/2	3,568.12	1/2	3,287.94	1/2	2,930.65	1/2	2,572.17				
3/4	3/4	3/4	4,334.09	3/4	4,142.48	3/4	3,949.74	3/4	3,756.92	3/4	3,564.10	3/4	3,280.51	3/4	2,923.19	3/4	2,564.69				

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC CLOSED GAUGING DEVICE.
 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.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTC 30111"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 17'-02 3/8"

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	2,557.21	0	2,198.34	0	1,839.43	0	1,480.49	0	1,125.50	0	781.02	0	421.96	0	65.56	0		0	
1/4	2,549.74	1/4	2,190.87	1/4	1,831.95	1/4	1,473.02	1/4	1,118.35	1/4	773.54	1/4	414.48	1/4	58.87	1/4		1/4	
1/2	2,542.26	1/2	2,183.39	1/2	1,824.47	1/2	1,465.60	1/2	1,111.21	1/2	766.05	1/2	407.00	1/2	53.41	1/2		1/2	
3/4	2,534.79	3/4	2,175.91	3/4	1,816.99	3/4	1,458.19	3/4	1,104.07	3/4	758.57	3/4	399.52	3/4	47.96	3/4		3/4	
1	2,527.31	1	2,168.44	1	1,809.51	1	1,450.77	1	1,096.93	1	751.09	1	392.03	1	42.51	1		1	
1/4	2,519.83	1/4	2,160.96	1/4	1,802.04	1/4	1,443.35	1/4	1,089.78	1/4	743.61	1/4	384.55	1/4	37.06	1/4		1/4	
1/2	2,512.36	1/2	2,153.48	1/2	1,794.56	1/2	1,435.94	1/2	1,082.64	1/2	736.13	1/2	377.07	1/2	32.84	1/2		1/2	
3/4	2,504.88	3/4	2,146.01	3/4	1,787.08	3/4	1,428.52	3/4	1,075.50	3/4	728.65	3/4	369.59	3/4	28.63	3/4		3/4	
2	2,497.40	2	2,138.53	2	1,779.60	2	1,421.10	2	1,068.35	2	721.17	2	362.11	2	24.42	2		2	
1/4	2,489.93	1/4	2,131.05	1/4	1,772.12	1/4	1,413.69	1/4	1,061.21	1/4	713.69	1/4	354.63	3/8	21.22	1/4		1/4	
1/2	2,482.45	1/2	2,123.58	1/2	1,764.64	1/2	1,406.27	1/2	1,054.07	1/2	706.21	1/2	347.15	1/2		1/2		1/2	
3/4	2,474.97	3/4	2,116.10	3/4	1,757.17	3/4	1,398.85	3/4	1,046.92	3/4	698.73	3/4	339.67	3/4		3/4		3/4	
3	2,467.50	3	2,108.62	3	1,749.69	3	1,391.44	3	1,039.78	3	691.25	3	332.19	3		3		3	
1/4	2,460.02	1/4	2,101.15	1/4	1,742.21	1/4	1,384.02	1/4	1,032.64	1/4	683.77	1/4	324.71	1/4		1/4		1/4	
1/2	2,452.54	1/2	2,093.67	1/2	1,734.73	1/2	1,376.60	1/2	1,025.49	1/2	676.29	1/2	317.23	1/2		1/2		1/2	
3/4	2,445.07	3/4	2,086.20	3/4	1,727.25	3/4	1,369.19	3/4	1,018.35	3/4	668.81	3/4	309.75	3/4		3/4		3/4	
4	2,437.59	4	2,078.72	4	1,719.77	4	1,361.77	4	1,011.21	4	661.33	4	302.27	4		4		4	
1/4	2,430.11	1/4	2,071.24	1/4	1,712.30	1/4	1,354.35	1/4	1,004.06	1/4	653.85	1/4	294.79	1/4		1/4		1/4	
1/2	2,422.64	1/2	2,063.77	1/2	1,704.82	1/2	1,346.94	1/2	996.92	1/2	646.37	1/2	287.31	1/2		1/2		1/2	
3/4	2,415.16	3/4	2,056.29	3/4	1,697.34	3/4	1,339.52	3/4	989.78	3/4	638.89	3/4	279.83	3/4		3/4		3/4	
5	2,407.68	5	2,048.81	5	1,689.86	5	1,332.10	5	982.63	5	631.41	5	272.35	5		5		5	
1/4	2,400.21	1/4	2,041.34	1/4	1,682.38	1/4	1,324.69	1/4	975.49	1/4	623.93	1/4	264.87	1/4		1/4		1/4	
1/2	2,392.73	1/2	2,033.86	1/2	1,674.90	1/2	1,317.27	1/2	968.35	1/2	616.45	1/2	257.39	1/2		1/2		1/2	
3/4	2,385.26	3/4	2,026.38	3/4	1,667.43	3/4	1,309.86	3/4	961.20	3/4	608.97	3/4	249.91	3/4		3/4		3/4	
6	2,377.78	6	2,018.90	6	1,659.95	6	1,302.44	6	954.06	6	601.49	6	242.43	6		6		6	
1/4	2,370.30	1/4	2,011.43	1/4	1,652.47	1/4	1,295.02	1/4	946.92	1/4	594.01	1/4	234.95	1/4		1/4		1/4	
1/2	2,362.83	1/2	2,003.95	1/2	1,644.99	1/2	1,287.61	1/2	939.77	1/2	586.53	1/2	227.47	1/2		1/2		1/2	
3/4	2,355.35	3/4	1,996.47	3/4	1,637.51	3/4	1,280.19	3/4	932.63	3/4	579.04	3/4	219.99	3/4		3/4		3/4	
7	2,347.87	7	1,988.99	7	1,630.03	7	1,272.77	7	925.49	7	571.56	7	212.51	7		7		7	
1/4	2,340.40	1/4	1,981.51	1/4	1,622.56	1/4	1,265.36	1/4	918.34	1/4	564.08	1/4	205.02	1/4		1/4		1/4	
1/2	2,332.92	1/2	1,974.04	1/2	1,615.08	1/2	1,257.94	1/2	911.19	1/2	556.60	1/2	197.54	1/2		1/2		1/2	
3/4	2,325.44	3/4	1,966.56	3/4	1,607.60	3/4	1,250.53	3/4	904.05	3/4	549.12	3/4	190.06	3/4		3/4		3/4	
8	2,317.97	8	1,959.08	8	1,600.12	8	1,243.11	8	896.90	8	541.64	8	182.58	8		8		8	
1/4	2,310.49	1/4	1,951.60	1/4	1,592.64	1/4	1,235.70	1/4	889.75	1/4	534.16	1/4	175.10	1/4		1/4		1/4	
1/2	2,303.01	1/2	1,944.12	1/2	1,585.16	1/2	1,228.30	1/2	882.58	1/2	526.68	1/2	167.62	1/2		1/2		1/2	
3/4	2,295.54	3/4	1,936.64	3/4	1,577.69	3/4	1,220.90	3/4	875.41	3/4	519.20	3/4	160.14	3/4		3/4		3/4	
9	2,288.06	9	1,929.17	9	1,570.21	9	1,213.50	9	868.24	9	511.72	9	152.66	9		9		9	
1/4	2,280.58	1/4	1,921.69	1/4	1,562.73	1/4	1,206.10	1/4	861.07	1/4	504.24	1/4	145.18	1/4		1/4		1/4	
1/2	2,273.11	1/2	1,914.21	1/2	1,555.25	1/2	1,198.70	1/2	853.90	1/2	496.76	1/2	137.69	1/2		1/2		1/2	
3/4	2,265.63	3/4	1,906.73	3/4	1,547.77	3/4	1,191.30	3/4	846.73	3/4	489.28	3/4	130.21	3/4		3/4		3/4	
10	2,258.15	10	1,899.25	10	1,540.30	10	1,183.89	10	839.56	10	481.80	10	122.72	10		10		10	
1/4	2,250.68	1/4	1,891.78	1/4	1,532.82	1/4	1,176.49	1/4	832.38	1/4	474.32	1/4	115.24	1/4		1/4		1/4	
1/2	2,243.20	1/2	1,884.30	1/2	1,525.34	1/2	1,169.10	1/2	825.15	1/2	466.84	1/2	107.84	1/2		1/2		1/2	
3/4	2,235.73	3/4	1,876.82	3/4	1,517.86	3/4	1,161.71	3/4	817.92	3/4	459.36	3/4	100.43	3/4		3/4		3/4	
11	2,228.25	11	1,869.34	11	1,510.38	11	1,154.32	11	810.69	11	451.88	11	93.03	11		11		11	
1/4	2,220.77	1/4	1,861.86	1/4	1,502.90	1/4	1,146.93	1/4	803.46	1/4	444.40	1/4	85.63	1/4		1/4		1/4	
1/2	2,213.30	1/2	1,854.38	1/2	1,495.43	1/2	1,139.78	1/2	795.98	1/2	436.92	1/2	78.94	1/2		1/2		1/2	
3/4	2,205.82	3/4	1,846.91	3/4	1,487.96	3/4	1,132.64	3/4	788.50	3/4	429.44	3/4	72.25	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/26/2012 CL - SW
RECALCULATED: 01/06/2016 SW
NAME CHANGE: 03/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTC 30111"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.41	0	359.42	0	722.33	0	1,085.01	0	1,447.68	0	1,810.61	0	2,173.53	0	2,536.45	0	2,899.28	0	3,262.07
1/4	25.66	1/4	366.98	1/4	729.89	1/4	1,092.56	1/4	1,455.24	1/4	1,818.17	1/4	2,181.09	1/4	2,544.01	1/4	2,906.84	1/4	3,269.63
1/2	29.91	1/2	374.54	1/2	737.45	1/2	1,100.11	1/2	1,462.80	1/2	1,825.73	1/2	2,188.65	1/2	2,551.57	1/2	2,914.40	1/2	3,277.19
3/4	34.16	3/4	382.10	3/4	745.01	3/4	1,107.66	3/4	1,470.37	3/4	1,833.29	3/4	2,196.21	3/4	2,559.13	3/4	2,921.96	3/4	3,284.75
1	38.41	1	389.66	1	752.57	1	1,115.20	1	1,477.93	1	1,840.85	1	2,203.77	1	2,566.70	1	2,929.52	1	3,292.31
1/4	43.93	1/4	397.22	1/4	760.13	1/4	1,122.75	1/4	1,485.49	1/4	1,848.41	1/4	2,211.33	1/4	2,574.26	1/4	2,937.08	1/4	3,299.86
1/2	49.44	1/2	404.78	1/2	767.69	1/2	1,130.30	1/2	1,493.05	1/2	1,855.97	1/2	2,218.89	1/2	2,581.82	1/2	2,944.63	1/2	3,307.42
3/4	54.95	3/4	412.34	3/4	775.25	3/4	1,137.85	3/4	1,500.61	3/4	1,863.53	3/4	2,226.46	3/4	2,589.38	3/4	2,952.19	3/4	3,314.98
2	60.46	2	419.91	2	782.81	2	1,145.40	2	1,508.17	2	1,871.09	2	2,234.02	2	2,596.94	2	2,959.75	2	3,322.54
1/4	67.24	1/4	427.47	1/4	790.37	1/4	1,152.95	1/4	1,515.73	1/4	1,878.65	1/4	2,241.58	1/4	2,604.50	1/4	2,967.31	1/4	3,330.10
1/2	74.01	1/2	435.03	1/2	797.94	1/2	1,160.50	1/2	1,523.29	1/2	1,886.21	1/2	2,249.14	1/2	2,612.06	1/2	2,974.87	1/2	3,337.65
3/4	80.78	3/4	442.59	3/4	805.50	3/4	1,168.04	3/4	1,530.85	3/4	1,893.78	3/4	2,256.70	3/4	2,619.62	3/4	2,982.42	3/4	3,345.21
3	87.55	3	450.15	3	813.06	3	1,175.59	3	1,538.41	3	1,901.34	3	2,264.26	3	2,627.18	3	2,989.98	3	3,352.77
1/4	95.04	1/4	457.71	1/4	820.62	1/4	1,183.14	1/4	1,545.97	1/4	1,908.90	1/4	2,271.82	1/4	2,634.74	1/4	2,997.54	1/4	3,360.33
1/2	102.52	1/2	465.27	1/2	828.18	1/2	1,190.69	1/2	1,553.54	1/2	1,916.46	1/2	2,279.38	1/2	2,642.30	1/2	3,005.10	1/2	3,367.89
3/4	110.00	3/4	472.83	3/4	835.74	3/4	1,198.24	3/4	1,561.10	3/4	1,924.02	3/4	2,286.94	3/4	2,649.86	3/4	3,012.66	3/4	3,375.45
4	117.48	4	480.39	4	843.30	4	1,205.79	4	1,568.66	4	1,931.58	4	2,294.50	4	2,657.43	4	3,020.21	4	3,383.00
1/4	125.04	1/4	487.95	1/4	850.86	1/4	1,213.34	1/4	1,576.22	1/4	1,939.14	1/4	2,302.06	1/4	2,664.98	1/4	3,027.77	1/4	3,390.56
1/2	132.60	1/2	495.51	1/2	858.42	1/2	1,220.88	1/2	1,583.78	1/2	1,946.70	1/2	2,309.63	1/2	2,672.54	1/2	3,035.33	1/2	3,398.12
3/4	140.16	3/4	503.07	3/4	865.98	3/4	1,228.43	3/4	1,591.34	3/4	1,954.26	3/4	2,317.19	3/4	2,680.10	3/4	3,042.89	3/4	3,405.68
5	147.72	5	510.63	5	873.54	5	1,235.98	5	1,598.90	5	1,961.82	5	2,324.75	5	2,687.66	5	3,050.45	5	3,413.24
1/4	155.28	1/4	518.19	1/4	881.10	1/4	1,243.54	1/4	1,606.46	1/4	1,969.38	1/4	2,332.31	1/4	2,695.22	1/4	3,058.01	1/4	3,420.79
1/2	162.84	1/2	525.75	1/2	888.66	1/2	1,251.10	1/2	1,614.02	1/2	1,976.95	1/2	2,339.87	1/2	2,702.77	1/2	3,065.56	1/2	3,428.35
3/4	170.41	3/4	533.31	3/4	896.22	3/4	1,258.66	3/4	1,621.58	3/4	1,984.51	3/4	2,347.43	3/4	2,710.33	3/4	3,073.12	3/4	3,435.91
6	177.97	6	540.87	6	903.78	6	1,266.22	6	1,629.14	6	1,992.07	6	2,354.99	6	2,717.89	6	3,080.68	6	3,443.47
1/4	185.53	1/4	548.44	1/4	911.34	1/4	1,273.78	1/4	1,636.71	1/4	1,999.63	1/4	2,362.55	1/4	2,725.45	1/4	3,088.24	1/4	3,451.03
1/2	193.09	1/2	556.00	1/2	918.90	1/2	1,281.34	1/2	1,644.27	1/2	2,007.19	1/2	2,370.11	1/2	2,733.01	1/2	3,095.80	1/2	3,458.58
3/4	200.65	3/4	563.56	3/4	926.47	3/4	1,288.90	3/4	1,651.83	3/4	2,014.75	3/4	2,377.67	3/4	2,740.56	3/4	3,103.35	3/4	3,466.14
7	208.21	7	571.12	7	934.03	7	1,296.46	7	1,659.39	7	2,022.31	7	2,385.23	7	2,748.12	7	3,110.91	7	3,473.70
1/4	215.77	1/4	578.68	1/4	941.58	1/4	1,304.03	1/4	1,666.95	1/4	2,029.87	1/4	2,392.80	1/4	2,755.68	1/4	3,118.47	1/4	3,481.26
1/2	223.33	1/2	586.24	1/2	949.13	1/2	1,311.59	1/2	1,674.51	1/2	2,037.43	1/2	2,400.36	1/2	2,763.24	1/2	3,126.03	1/2	3,488.82
3/4	230.89	3/4	593.80	3/4	956.68	3/4	1,319.15	3/4	1,682.07	3/4	2,044.99	3/4	2,407.92	3/4	2,770.80	3/4	3,133.59	3/4	3,496.37
8	238.45	8	601.36	8	964.23	8	1,326.71	8	1,689.63	8	2,052.55	8	2,415.48	8	2,778.36	8	3,141.14	8	3,503.93
1/4	246.01	1/4	608.92	1/4	971.78	1/4	1,334.27	1/4	1,697.19	1/4	2,060.12	1/4	2,423.04	1/4	2,785.91	1/4	3,148.70	1/4	3,511.49
1/2	253.57	1/2	616.48	1/2	979.33	1/2	1,341.83	1/2	1,704.75	1/2	2,067.68	1/2	2,430.60	1/2	2,793.47	1/2	3,156.26	1/2	3,519.05
3/4	261.13	3/4	624.04	3/4	986.88	3/4	1,349.39	3/4	1,712.31	3/4	2,075.24	3/4	2,438.16	3/4	2,801.03	3/4	3,163.82	3/4	3,526.61
9	268.69	9	631.60	9	994.43	9	1,356.95	9	1,719.87	9	2,082.80	9	2,445.72	9	2,808.59	9	3,171.38	9	3,534.17
1/4	276.25	1/4	639.16	1/4	1,001.97	1/4	1,364.51	1/4	1,727.44	1/4	2,090.36	1/4	2,453.28	1/4	2,816.15	1/4	3,178.93	1/4	3,541.72
1/2	283.81	1/2	646.72	1/2	1,009.52	1/2	1,372.07	1/2	1,735.00	1/2	2,097.92	1/2	2,460.84	1/2	2,823.70	1/2	3,186.49	1/2	3,549.28
3/4	291.38	3/4	654.28	3/4	1,017.07	3/4	1,379.63	3/4	1,742.56	3/4	2,105.48	3/4	2,468.40	3/4	2,831.26	3/4	3,194.05	3/4	3,556.84
10	298.94	10	661.84	10	1,024.62	10	1,387.20	10	1,750.12	10	2,113.04	10	2,475.96	10	2,838.82	10	3,201.61	10	3,564.40
1/4	306.50	1/4	669.41	1/4	1,032.17	1/4	1,394.76	1/4	1,757.68	1/4	2,120.60	1/4	2,483.53	1/4	2,846.38	1/4	3,209.17	1/4	3,571.96
1/2	314.06	1/2	676.97	1/2	1,039.72	1/2	1,402.32	1/2	1,765.24	1/2	2,128.16	1/2	2,491.09	1/2	2,853.94	1/2	3,216.73	1/2	3,579.51
3/4	321.62	3/4	684.53	3/4	1,047.27	3/4	1,409.88	3/4	1,772.80	3/4	2,135.72	3/4	2,498.65	3/4	2,861.49	3/4	3,224.28	3/4	3,587.07
11	329.18	11	692.09	11	1,054.81	11	1,417.44	11	1,780.36	11	2,143.29	11	2,506.21	11	2,869.05	11	3,231.84	11	3,594.63
1/4	336.74	1/4	699.65	1/4	1,062.36	1/4	1,425.00	1/4	1,787.92	1/4	2,150.85	1/4	2,513.77	1/4	2,876.61	1/4	3,239.40	1/4	3,602.19
1/2	344.30	1/2	707.21	1/2	1,069.91	1/2	1,432.56	1/2	1,795.48	1/2	2,158.41	1/2	2,521.33	1/2	2,884.17	1/2	3,246.96	1/2	3,609.75
3/4	351.86	3/4	714.77	3/4	1,077.46	3/4	1,440.12	3/4	1,803.04	3/4	2,165.97	3/4	2,528.89	3/4	2,891.73	3/4	3,254.52	3/4	3,617.30

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 4" DIAMETER STANDPIPE.
 GAUGE POINT: (4" PIPE) LOCATED 10'-06" OFF CENTERLINE AND 40'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 30111"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,624.86	0	3,987.65	0	4,350.44	0	4,713.23	0	5,074.55	0		0		0		0		0	
1/4	3,632.42	1/4	3,995.21	1/4	4,358.00	1/4	4,720.79	1/4	5,082.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,639.98	1/2	4,002.77	1/2	4,365.56	1/2	4,728.35	1/2	5,089.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.54	3/4	4,010.33	3/4	4,373.11	3/4	4,735.90	3/4	5,096.93	3/4		3/4		3/4		3/4		3/4	
1	3,655.09	1	4,017.88	1	4,380.67	1	4,743.46	1	5,104.39	1		1		1		1		1	
1/4	3,662.65	1/4	4,025.44	1/4	4,388.23	1/4	4,751.00	1/4	5,111.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.21	1/2	4,033.00	1/2	4,395.79	1/2	4,758.54	1/2	5,119.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,677.77	3/4	4,040.56	3/4	4,403.35	3/4	4,766.07	3/4	5,126.77	3/4		3/4		3/4		3/4		3/4	
2	3,685.33	2	4,048.12	2	4,410.90	2	4,773.61	2	5,134.23	2		2		2		2		2	
1/4	3,692.89	1/4	4,055.67	1/4	4,418.46	1/4	4,781.14	1/4	5,141.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,700.44	1/2	4,063.23	1/2	4,426.02	1/2	4,788.67	1/2	5,149.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,708.00	3/4	4,070.79	3/4	4,433.58	3/4	4,796.20	3/4	5,156.61	3/4		3/4		3/4		3/4		3/4	
3	3,715.56	3	4,078.35	3	4,441.14	3	4,803.73	3	5,164.07	3		3		3		3		3	
1/4	3,723.12	1/4	4,085.91	1/4	4,448.70	1/4	4,811.26	1/4	5,171.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,730.68	1/2	4,093.46	1/2	4,456.25	1/2	4,818.79	1/2	5,178.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,738.23	3/4	4,101.02	3/4	4,463.81	3/4	4,826.31	3/4	5,186.45	3/4		3/4		3/4		3/4		3/4	
4	3,745.79	4	4,108.58	4	4,471.37	4	4,833.84	4	5,193.90	4		4		4		4		4	
1/4	3,753.35	1/4	4,116.14	1/4	4,478.93	1/4	4,841.37	1/4	5,201.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,760.91	1/2	4,123.70	1/2	4,486.49	1/2	4,848.90	1/2	5,208.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,768.47	3/4	4,131.26	3/4	4,494.04	3/4	4,856.43	3/4	5,216.28	3/4		3/4		3/4		3/4		3/4	
5	3,776.02	5	4,138.81	5	4,501.60	5	4,863.96	5	5,223.74	5		5		5		5		5	
1/4	3,783.58	1/4	4,146.37	1/4	4,509.16	1/4	4,871.49	1/4	5,230.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,791.14	1/2	4,153.93	1/2	4,516.72	1/2	4,879.02	1/2	5,237.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,798.70	3/4	4,161.49	3/4	4,524.28	3/4	4,886.55	3/4	5,244.47	3/4		3/4		3/4		3/4		3/4	
6	3,806.26	6	4,169.05	6	4,531.83	6	4,894.08	6	5,251.38	6		6		6		6		6	
1/4	3,813.82	1/4	4,176.60	1/4	4,539.39	1/4	4,901.60	1/4	5,257.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,821.37	1/2	4,184.16	1/2	4,546.95	1/2	4,909.13	1/2	5,262.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,828.93	3/4	4,191.72	3/4	4,554.51	3/4	4,916.66	3/4	5,268.56	3/4		3/4		3/4		3/4		3/4	
7	3,836.49	7	4,199.28	7	4,562.07	7	4,924.19	7	5,274.28	7		7		7		7		7	
1/4	3,844.05	1/4	4,206.84	1/4	4,569.63	1/4	4,931.72	1/4	5,278.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,851.61	1/2	4,214.39	1/2	4,577.18	1/2	4,939.25	1/2	5,283.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,859.16	3/4	4,221.95	3/4	4,584.74	3/4	4,946.78	3/4	5,287.76	3/4		3/4		3/4		3/4		3/4	
8	3,866.72	8	4,229.51	8	4,592.30	8	4,954.31	8	5,292.25	8		8		8		8		8	
1/4	3,874.28	1/4	4,237.07	1/4	4,599.86	1/4	4,961.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,881.84	1/2	4,244.63	1/2	4,607.42	1/2	4,969.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.40	3/4	4,252.18	3/4	4,614.97	3/4	4,976.89	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,896.95	9	4,259.74	9	4,622.53	9	4,984.42	9		9		9		9		9		9	
1/4	3,904.51	1/4	4,267.30	1/4	4,630.09	1/4	4,991.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,912.07	1/2	4,274.86	1/2	4,637.65	1/2	4,999.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,919.63	3/4	4,282.42	3/4	4,645.21	3/4	5,007.02	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,927.19	10	4,289.98	10	4,652.76	10	5,014.55	10		10		10		10		10		10	
1/4	3,934.74	1/4	4,297.53	1/4	4,660.32	1/4	5,022.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,942.30	1/2	4,305.09	1/2	4,667.88	1/2	5,029.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,949.86	3/4	4,312.65	3/4	4,675.44	3/4	5,037.14	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,957.42	11	4,320.21	11	4,683.00	11	5,044.67	11		11		11		11		11		11	
1/4	3,964.98	1/4	4,327.77	1/4	4,690.55	1/4	5,052.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,972.54	1/2	4,335.32	1/2	4,698.11	1/2	5,059.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,980.09	3/4	4,342.88	3/4	4,705.67	3/4	5,067.08	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/26/2012 CL - SW
CALCULATED: 09/26/2012 CL
NAME CHANGE: 03/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

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



BARGE "CTC 30111"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.40	0	359.34	0	722.16	0	1,083.82	0	1,445.44	0	1,808.28	0	2,171.12	0	2,533.95	0	2,896.70	0	3,259.40
1/4	25.65	1/4	366.89	1/4	729.72	1/4	1,091.33	1/4	1,453.00	1/4	1,815.84	1/4	2,178.67	1/4	2,541.51	1/4	2,904.25	1/4	3,266.96
1/2	29.90	1/2	374.45	1/2	737.28	1/2	1,098.84	1/2	1,460.56	1/2	1,823.40	1/2	2,186.23	1/2	2,549.07	1/2	2,911.81	1/2	3,274.51
3/4	34.15	3/4	382.01	3/4	744.83	3/4	1,106.34	3/4	1,468.12	3/4	1,830.96	3/4	2,193.79	3/4	2,556.63	3/4	2,919.37	3/4	3,282.07
1	38.40	1	389.57	1	752.39	1	1,113.85	1	1,475.68	1	1,838.52	1	2,201.35	1	2,564.19	1	2,926.92	1	3,289.63
1/4	43.92	1/4	397.13	1/4	759.95	1/4	1,121.36	1/4	1,483.24	1/4	1,846.07	1/4	2,208.91	1/4	2,571.75	1/4	2,934.48	1/4	3,297.18
1/2	49.43	1/2	404.69	1/2	767.51	1/2	1,128.87	1/2	1,490.80	1/2	1,853.63	1/2	2,216.47	1/2	2,579.31	1/2	2,942.04	1/2	3,304.74
3/4	54.94	3/4	412.25	3/4	775.07	3/4	1,136.37	3/4	1,498.36	3/4	1,861.19	3/4	2,224.03	3/4	2,586.87	3/4	2,949.59	3/4	3,312.30
2	60.45	2	419.81	2	782.63	2	1,143.88	2	1,505.91	2	1,868.75	2	2,231.59	2	2,594.42	2	2,957.15	2	3,319.85
1/4	67.22	1/4	427.36	1/4	790.19	1/4	1,151.39	1/4	1,513.47	1/4	1,876.31	1/4	2,239.15	1/4	2,601.98	1/4	2,964.71	1/4	3,327.41
1/2	73.99	1/2	434.92	1/2	797.75	1/2	1,158.90	1/2	1,521.03	1/2	1,883.87	1/2	2,246.71	1/2	2,609.54	1/2	2,972.26	1/2	3,334.96
3/4	80.76	3/4	442.48	3/4	805.30	3/4	1,166.40	3/4	1,528.59	3/4	1,891.43	3/4	2,254.27	3/4	2,617.10	3/4	2,979.82	3/4	3,342.52
3	87.53	3	450.04	3	812.86	3	1,173.91	3	1,536.15	3	1,898.99	3	2,261.82	3	2,624.66	3	2,987.37	3	3,350.08
1/4	95.01	1/4	457.60	1/4	820.42	1/4	1,181.42	1/4	1,543.71	1/4	1,906.55	1/4	2,269.38	1/4	2,632.22	1/4	2,994.93	1/4	3,357.63
1/2	102.49	1/2	465.16	1/2	827.98	1/2	1,188.92	1/2	1,551.27	1/2	1,914.11	1/2	2,276.94	1/2	2,639.78	1/2	3,002.49	1/2	3,365.19
3/4	109.97	3/4	472.72	3/4	835.54	3/4	1,196.43	3/4	1,558.83	3/4	1,921.67	3/4	2,284.50	3/4	2,647.34	3/4	3,010.04	3/4	3,372.75
4	117.45	4	480.28	4	843.10	4	1,203.94	4	1,566.39	4	1,929.22	4	2,292.06	4	2,654.90	4	3,017.60	4	3,380.30
1/4	125.01	1/4	487.83	1/4	850.66	1/4	1,211.45	1/4	1,573.95	1/4	1,936.78	1/4	2,299.62	1/4	2,662.45	1/4	3,025.16	1/4	3,387.86
1/2	132.57	1/2	495.39	1/2	858.22	1/2	1,218.95	1/2	1,581.51	1/2	1,944.34	1/2	2,307.18	1/2	2,670.01	1/2	3,032.71	1/2	3,395.41
3/4	140.13	3/4	502.95	3/4	865.77	3/4	1,226.46	3/4	1,589.06	3/4	1,951.90	3/4	2,314.74	3/4	2,677.57	3/4	3,040.27	3/4	3,402.97
5	147.69	5	510.51	5	873.33	5	1,233.97	5	1,595.62	5	1,959.46	5	2,322.30	5	2,685.12	5	3,047.82	5	3,410.53
1/4	155.25	1/4	518.07	1/4	880.89	1/4	1,241.49	1/4	1,604.18	1/4	1,967.02	1/4	2,329.86	1/4	2,692.68	1/4	3,055.38	1/4	3,418.08
1/2	162.81	1/2	525.63	1/2	888.45	1/2	1,249.01	1/2	1,611.74	1/2	1,974.58	1/2	2,337.42	1/2	2,700.23	1/2	3,062.94	1/2	3,425.64
3/4	170.37	3/4	533.19	3/4	896.01	3/4	1,256.52	3/4	1,619.30	3/4	1,982.14	3/4	2,344.97	3/4	2,707.79	3/4	3,070.49	3/4	3,433.20
6	177.92	6	540.75	6	903.57	6	1,264.04	6	1,626.86	6	1,989.70	6	2,352.53	6	2,715.35	6	3,078.05	6	3,440.75
1/4	185.48	1/4	548.31	1/4	911.09	1/4	1,271.60	1/4	1,634.42	1/4	1,997.26	1/4	2,360.09	1/4	2,722.90	1/4	3,085.61	1/4	3,448.31
1/2	193.04	1/2	555.86	1/2	918.62	1/2	1,279.15	1/2	1,641.98	1/2	2,004.82	1/2	2,367.65	1/2	2,730.46	1/2	3,093.16	1/2	3,455.86
3/4	200.60	3/4	563.42	3/4	926.14	3/4	1,286.71	3/4	1,649.54	3/4	2,012.37	3/4	2,375.21	3/4	2,738.02	3/4	3,100.72	3/4	3,463.42
7	208.16	7	570.98	7	933.67	7	1,294.26	7	1,657.10	7	2,019.93	7	2,382.77	7	2,745.57	7	3,108.28	7	3,470.98
1/4	215.72	1/4	578.54	1/4	941.18	1/4	1,301.82	1/4	1,664.66	1/4	2,027.49	1/4	2,390.33	1/4	2,753.13	1/4	3,115.83	1/4	3,478.53
1/2	223.28	1/2	586.10	1/2	948.69	1/2	1,309.38	1/2	1,672.21	1/2	2,035.05	1/2	2,397.89	1/2	2,760.69	1/2	3,123.39	1/2	3,486.09
3/4	230.84	3/4	593.66	3/4	956.20	3/4	1,316.94	3/4	1,679.77	3/4	2,042.61	3/4	2,405.45	3/4	2,768.24	3/4	3,130.94	3/4	3,493.65
8	238.39	8	601.22	8	963.71	8	1,324.50	8	1,687.33	8	2,050.17	8	2,413.01	8	2,775.80	8	3,138.50	8	3,501.20
1/4	245.95	1/4	608.78	1/4	971.21	1/4	1,332.06	1/4	1,694.89	1/4	2,057.73	1/4	2,420.57	1/4	2,783.35	1/4	3,146.06	1/4	3,508.76
1/2	253.51	1/2	616.33	1/2	978.72	1/2	1,339.61	1/2	1,702.45	1/2	2,065.29	1/2	2,428.12	1/2	2,790.91	1/2	3,153.61	1/2	3,516.32
3/4	261.07	3/4	623.89	3/4	986.23	3/4	1,347.17	3/4	1,710.01	3/4	2,072.85	3/4	2,435.68	3/4	2,798.47	3/4	3,161.17	3/4	3,523.87
9	268.63	9	631.45	9	993.74	9	1,354.73	9	1,717.57	9	2,080.41	9	2,443.24	9	2,806.02	9	3,168.73	9	3,531.43
1/4	276.19	1/4	639.01	1/4	1,001.24	1/4	1,362.29	1/4	1,725.13	1/4	2,087.97	1/4	2,450.80	1/4	2,813.58	1/4	3,176.28	1/4	3,538.98
1/2	283.75	1/2	646.57	1/2	1,008.75	1/2	1,369.85	1/2	1,732.69	1/2	2,095.52	1/2	2,458.36	1/2	2,821.14	1/2	3,183.84	1/2	3,546.54
3/4	291.31	3/4	654.13	3/4	1,016.26	3/4	1,377.41	3/4	1,740.25	3/4	2,103.08	3/4	2,465.92	3/4	2,828.69	3/4	3,191.39	3/4	3,554.10
10	298.86	10	661.69	10	1,023.76	10	1,384.97	10	1,747.81	10	2,110.64	10	2,473.48	10	2,836.25	10	3,198.95	10	3,561.65
1/4	306.42	1/4	669.25	1/4	1,031.27	1/4	1,392.53	1/4	1,755.36	1/4	2,118.20	1/4	2,481.04	1/4	2,843.80	1/4	3,206.51	1/4	3,569.21
1/2	313.98	1/2	676.80	1/2	1,038.78	1/2	1,400.09	1/2	1,762.92	1/2	2,125.76	1/2	2,488.60	1/2	2,851.36	1/2	3,214.06	1/2	3,576.77
3/4	321.54	3/4	684.36	3/4	1,046.29	3/4	1,407.65	3/4	1,770.48	3/4	2,133.32	3/4	2,496.16	3/4	2,858.92	3/4	3,221.62	3/4	3,584.32
11	329.10	11	691.92	11	1,053.79	11	1,415.21	11	1,778.04	11	2,140.88	11	2,503.72	11	2,866.47	11	3,229.18	11	3,591.88
1/4	336.66	1/4	699.48	1/4	1,061.30	1/4	1,422.76	1/4	1,785.60	1/4	2,148.44	1/4	2,511.27	1/4	2,874.03	1/4	3,236.73	1/4	3,599.43
1/2	344.22	1/2	707.04	1/2	1,068.81	1/2	1,430.32	1/2	1,793.16	1/2	2,156.00	1/2	2,518.83	1/2	2,881.59	1/2	3,244.29	1/2	3,606.99
3/4	351.78	3/4	714.60	3/4	1,076.32	3/4	1,437.88	3/4	1,800.72	3/4	2,163.56	3/4	2,526.39	3/4	2,889.14	3/4	3,251.84	3/4	3,614.55

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 4" DIAMETER STANDPIPE.
 GAUGE POINT: (4" PIPE) LOCATED 10'-06" OFF CENTERLINE AND 40'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 30111"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,622.10	0	3,984.81	0	4,347.51	0	4,710.21	0	5,071.45	0		0		0		0		0	
1/4	3,629.66	1/4	3,992.36	1/4	4,355.06	1/4	4,717.77	1/4	5,078.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,637.22	1/2	3,999.92	1/2	4,362.62	1/2	4,725.32	1/2	5,086.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,644.77	3/4	4,007.47	3/4	4,370.18	3/4	4,732.88	3/4	5,093.82	3/4		3/4		3/4		3/4		3/4	
1	3,652.33	1	4,015.03	1	4,377.73	1	4,740.44	1	5,101.28	1		1		1		1		1	
1/4	3,659.88	1/4	4,022.59	1/4	4,385.29	1/4	4,747.97	1/4	5,108.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,667.44	1/2	4,030.14	1/2	4,392.85	1/2	4,755.51	1/2	5,116.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,675.00	3/4	4,037.70	3/4	4,400.40	3/4	4,763.04	3/4	5,123.65	3/4		3/4		3/4		3/4		3/4	
2	3,682.55	2	4,045.26	2	4,407.96	2	4,770.58	2	5,131.11	2		2		2		2		2	
1/4	3,690.11	1/4	4,052.81	1/4	4,415.51	1/4	4,778.11	1/4	5,138.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,697.67	1/2	4,060.37	1/2	4,423.07	1/2	4,785.63	1/2	5,146.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,705.22	3/4	4,067.93	3/4	4,430.63	3/4	4,793.16	3/4	5,153.48	3/4		3/4		3/4		3/4		3/4	
3	3,712.78	3	4,075.48	3	4,438.18	3	4,800.69	3	5,160.94	3		3		3		3		3	
1/4	3,720.34	1/4	4,083.04	1/4	4,445.74	1/4	4,808.21	1/4	5,168.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,727.89	1/2	4,090.59	1/2	4,453.30	1/2	4,815.74	1/2	5,175.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,735.45	3/4	4,098.15	3/4	4,460.85	3/4	4,823.27	3/4	5,183.32	3/4		3/4		3/4		3/4		3/4	
4	3,743.00	4	4,105.71	4	4,468.41	4	4,830.80	4	5,190.77	4		4		4		4		4	
1/4	3,750.56	1/4	4,113.26	1/4	4,475.97	1/4	4,838.32	1/4	5,198.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,758.12	1/2	4,120.82	1/2	4,483.52	1/2	4,845.85	1/2	5,205.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,765.67	3/4	4,128.38	3/4	4,491.08	3/4	4,853.38	3/4	5,213.15	3/4		3/4		3/4		3/4		3/4	
5	3,773.23	5	4,135.93	5	4,498.63	5	4,860.91	5	5,220.61	5		5		5		5		5	
1/4	3,780.79	1/4	4,143.49	1/4	4,506.19	1/4	4,868.43	1/4	5,227.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,788.34	1/2	4,151.04	1/2	4,513.75	1/2	4,875.96	1/2	5,234.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,795.90	3/4	4,158.60	3/4	4,521.30	3/4	4,883.49	3/4	5,241.32	3/4		3/4		3/4		3/4		3/4	
6	3,803.45	6	4,166.16	6	4,528.86	6	4,891.01	6	5,248.23	6		6		6		6		6	
1/4	3,811.01	1/4	4,173.71	1/4	4,536.42	1/4	4,898.54	1/4	5,253.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,818.57	1/2	4,181.27	1/2	4,543.97	1/2	4,906.07	1/2	5,259.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,826.12	3/4	4,188.83	3/4	4,551.53	3/4	4,913.60	3/4	5,265.41	3/4		3/4		3/4		3/4		3/4	
7	3,833.68	7	4,196.38	7	4,559.08	7	4,921.12	7	5,271.13	7		7		7		7		7	
1/4	3,841.24	1/4	4,203.94	1/4	4,566.64	1/4	4,928.65	1/4	5,275.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,848.79	1/2	4,211.49	1/2	4,574.20	1/2	4,936.18	1/2	5,280.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,856.35	3/4	4,219.05	3/4	4,581.75	3/4	4,943.70	3/4	5,284.60	3/4		3/4		3/4		3/4		3/4	
8	3,863.91	8	4,226.61	8	4,589.31	8	4,951.23	8	5,289.09	8		8		8		8		8	
1/4	3,871.46	1/4	4,234.16	1/4	4,596.87	1/4	4,958.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,879.02	1/2	4,241.72	1/2	4,604.42	1/2	4,966.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,886.57	3/4	4,249.28	3/4	4,611.98	3/4	4,973.81	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,894.13	9	4,256.83	9	4,619.54	9	4,981.34	9		9		9		9		9		9	
1/4	3,901.69	1/4	4,264.39	1/4	4,627.09	1/4	4,988.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,909.24	1/2	4,271.95	1/2	4,634.65	1/2	4,996.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,916.80	3/4	4,279.50	3/4	4,642.20	3/4	5,003.93	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,924.36	10	4,287.06	10	4,649.76	10	5,011.46	10		10		10		10		10		10	
1/4	3,931.91	1/4	4,294.61	1/4	4,657.32	1/4	5,018.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,939.47	1/2	4,302.17	1/2	4,664.87	1/2	5,026.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,947.02	3/4	4,309.73	3/4	4,672.43	3/4	5,034.05	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,954.58	11	4,317.28	11	4,679.99	11	5,041.58	11		11		11		11		11		11	
1/4	3,962.14	1/4	4,324.84	1/4	4,687.54	1/4	5,049.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,969.69	1/2	4,332.40	1/2	4,695.10	1/2	5,056.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,977.25	3/4	4,339.95	3/4	4,702.65	3/4	5,063.98	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/26/2012 CL - SW
CALCULATED: 09/26/2012 CL
NAME CHANGE: 03/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

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



BARGE "CTTCC 30111"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 16'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.32	0	357.92	0	719.31	0	1,080.46	0	1,441.61	0	1,803.02	0	2,164.43	0	2,525.83	0	2,887.13	0	3,248.40
1/4	25.55	1/4	365.45	1/4	726.84	1/4	1,087.98	1/4	1,449.14	1/4	1,810.55	1/4	2,171.96	1/4	2,533.36	1/4	2,894.66	1/4	3,255.93
1/2	29.79	1/2	372.98	1/2	734.37	1/2	1,095.50	1/2	1,456.67	1/2	1,818.08	1/2	2,179.49	1/2	2,540.89	1/2	2,902.19	1/2	3,263.46
3/4	34.02	3/4	380.50	3/4	741.90	3/4	1,103.01	3/4	1,464.20	3/4	1,825.61	3/4	2,187.02	3/4	2,548.42	3/4	2,909.71	3/4	3,270.98
1	38.25	1	388.03	1	749.43	1	1,110.53	1	1,471.73	1	1,833.14	1	2,194.54	1	2,555.95	1	2,917.24	1	3,278.51
1/4	43.74	1/4	395.56	1/4	756.95	1/4	1,118.05	1/4	1,479.26	1/4	1,840.67	1/4	2,202.07	1/4	2,563.48	1/4	2,924.76	1/4	3,286.04
1/2	49.23	1/2	403.09	1/2	764.48	1/2	1,125.56	1/2	1,486.79	1/2	1,848.20	1/2	2,209.60	1/2	2,571.01	1/2	2,932.29	1/2	3,293.56
3/4	54.72	3/4	410.62	3/4	772.01	3/4	1,133.08	3/4	1,494.32	3/4	1,855.73	3/4	2,217.13	3/4	2,578.54	3/4	2,939.82	3/4	3,301.09
2	60.21	2	418.15	2	779.54	2	1,140.60	2	1,501.85	2	1,863.26	2	2,224.66	2	2,586.07	2	2,947.34	2	3,308.62
1/4	66.95	1/4	425.68	1/4	787.07	1/4	1,148.12	1/4	1,509.38	1/4	1,870.78	1/4	2,232.19	1/4	2,593.60	1/4	2,954.87	1/4	3,316.14
1/2	73.70	1/2	433.21	1/2	794.60	1/2	1,155.63	1/2	1,516.91	1/2	1,878.31	1/2	2,239.72	1/2	2,601.13	1/2	2,962.40	1/2	3,323.67
3/4	80.44	3/4	440.74	3/4	802.13	3/4	1,163.15	3/4	1,524.44	3/4	1,885.84	3/4	2,247.25	3/4	2,608.66	3/4	2,969.92	3/4	3,331.20
3	87.19	3	448.27	3	809.66	3	1,170.67	3	1,531.97	3	1,893.37	3	2,254.78	3	2,616.19	3	2,977.45	3	3,338.72
1/4	94.64	1/4	455.79	1/4	817.19	1/4	1,178.18	1/4	1,539.50	1/4	1,900.90	1/4	2,262.31	1/4	2,623.71	1/4	2,984.98	1/4	3,346.25
1/2	102.09	1/2	463.32	1/2	824.72	1/2	1,185.70	1/2	1,547.03	1/2	1,908.43	1/2	2,269.84	1/2	2,631.23	1/2	2,992.50	1/2	3,353.78
3/4	109.54	3/4	470.85	3/4	832.24	3/4	1,193.22	3/4	1,554.55	3/4	1,915.96	3/4	2,277.37	3/4	2,638.76	3/4	3,000.03	3/4	3,361.30
4	116.99	4	478.38	4	839.77	4	1,200.73	4	1,562.08	4	1,923.49	4	2,284.90	4	2,646.28	4	3,007.56	4	3,368.83
1/4	124.52	1/4	485.91	1/4	847.30	1/4	1,208.25	1/4	1,569.61	1/4	1,931.02	1/4	2,292.43	1/4	2,653.81	1/4	3,015.08	1/4	3,376.35
1/2	132.05	1/2	493.44	1/2	854.83	1/2	1,215.77	1/2	1,577.14	1/2	1,938.55	1/2	2,299.96	1/2	2,661.34	1/2	3,022.61	1/2	3,383.88
3/4	139.58	3/4	500.97	3/4	862.36	3/4	1,223.29	3/4	1,584.67	3/4	1,946.08	3/4	2,307.48	3/4	2,668.86	3/4	3,030.14	3/4	3,391.41
5	147.11	5	508.50	5	869.89	5	1,230.80	5	1,592.20	5	1,953.61	5	2,315.01	5	2,676.39	5	3,037.66	5	3,398.93
1/4	154.63	1/4	516.03	1/4	877.42	1/4	1,238.33	1/4	1,599.73	1/4	1,961.14	1/4	2,322.54	1/4	2,683.92	1/4	3,045.19	1/4	3,406.46
1/2	162.16	1/2	523.56	1/2	884.95	1/2	1,245.86	1/2	1,607.26	1/2	1,968.67	1/2	2,330.07	1/2	2,691.44	1/2	3,052.72	1/2	3,413.99
3/4	169.69	3/4	531.08	3/4	892.48	3/4	1,253.38	3/4	1,614.79	3/4	1,976.20	3/4	2,337.60	3/4	2,698.97	3/4	3,060.24	3/4	3,421.51
6	177.22	6	538.61	6	900.01	6	1,260.91	6	1,622.32	6	1,983.72	6	2,345.13	6	2,706.50	6	3,067.77	6	3,429.04
1/4	184.75	1/4	546.14	1/4	907.53	1/4	1,268.44	1/4	1,629.85	1/4	1,991.25	1/4	2,352.66	1/4	2,714.02	1/4	3,075.29	1/4	3,436.57
1/2	192.28	1/2	553.67	1/2	915.06	1/2	1,275.97	1/2	1,637.38	1/2	1,998.78	1/2	2,360.19	1/2	2,721.55	1/2	3,082.82	1/2	3,444.09
3/4	199.81	3/4	561.20	3/4	922.59	3/4	1,283.50	3/4	1,644.91	3/4	2,006.31	3/4	2,367.72	3/4	2,729.08	3/4	3,090.35	3/4	3,451.62
7	207.34	7	568.73	7	930.12	7	1,291.03	7	1,652.44	7	2,013.84	7	2,375.25	7	2,736.60	7	3,097.87	7	3,459.15
1/4	214.87	1/4	576.26	1/4	937.64	1/4	1,298.56	1/4	1,659.96	1/4	2,021.37	1/4	2,382.78	1/4	2,744.13	1/4	3,105.40	1/4	3,466.67
1/2	222.40	1/2	583.79	1/2	945.16	1/2	1,306.09	1/2	1,667.49	1/2	2,028.90	1/2	2,390.31	1/2	2,751.66	1/2	3,112.93	1/2	3,474.20
3/4	229.92	3/4	591.32	3/4	952.67	3/4	1,313.62	3/4	1,675.02	3/4	2,036.43	3/4	2,397.84	3/4	2,759.18	3/4	3,120.45	3/4	3,481.73
8	237.45	8	598.85	8	960.19	8	1,321.15	8	1,682.55	8	2,043.96	8	2,405.37	8	2,766.71	8	3,127.98	8	3,489.25
1/4	244.98	1/4	606.37	1/4	967.71	1/4	1,328.68	1/4	1,690.08	1/4	2,051.49	1/4	2,412.89	1/4	2,774.23	1/4	3,135.51	1/4	3,496.78
1/2	252.51	1/2	613.90	1/2	975.22	1/2	1,336.20	1/2	1,697.61	1/2	2,059.02	1/2	2,420.42	1/2	2,781.76	1/2	3,143.03	1/2	3,504.31
3/4	260.04	3/4	621.43	3/4	982.74	3/4	1,343.73	3/4	1,705.14	3/4	2,066.55	3/4	2,427.95	3/4	2,789.29	3/4	3,150.56	3/4	3,511.83
9	267.57	9	628.96	9	990.26	9	1,351.26	9	1,712.67	9	2,074.08	9	2,435.48	9	2,796.81	9	3,158.09	9	3,519.36
1/4	275.10	1/4	636.49	1/4	997.78	1/4	1,358.79	1/4	1,720.20	1/4	2,081.61	1/4	2,443.01	1/4	2,804.34	1/4	3,165.61	1/4	3,526.88
1/2	282.63	1/2	644.02	1/2	1,005.29	1/2	1,366.32	1/2	1,727.73	1/2	2,089.13	1/2	2,450.54	1/2	2,811.87	1/2	3,173.14	1/2	3,534.41
3/4	290.16	3/4	651.55	3/4	1,012.81	3/4	1,373.85	3/4	1,735.26	3/4	2,096.66	3/4	2,458.07	3/4	2,819.39	3/4	3,180.67	3/4	3,541.94
10	297.69	10	659.08	10	1,020.33	10	1,381.38	10	1,742.79	10	2,104.19	10	2,465.60	10	2,826.92	10	3,188.19	10	3,549.46
1/4	305.21	1/4	666.61	1/4	1,027.84	1/4	1,388.91	1/4	1,750.32	1/4	2,111.72	1/4	2,473.13	1/4	2,834.45	1/4	3,195.72	1/4	3,556.99
1/2	312.74	1/2	674.14	1/2	1,035.36	1/2	1,396.44	1/2	1,757.85	1/2	2,119.25	1/2	2,480.66	1/2	2,841.97	1/2	3,203.25	1/2	3,564.52
3/4	320.27	3/4	681.66	3/4	1,042.88	3/4	1,403.97	3/4	1,765.37	3/4	2,126.78	3/4	2,488.19	3/4	2,849.50	3/4	3,210.77	3/4	3,572.04
11	327.80	11	689.19	11	1,050.39	11	1,411.50	11	1,772.90	11	2,134.31	11	2,495.72	11	2,857.03	11	3,218.30	11	3,579.57
1/4	335.33	1/4	696.72	1/4	1,057.91	1/4	1,419.03	1/4	1,780.43	1/4	2,141.84	1/4	2,503.25	1/4	2,864.55	1/4	3,225.82	1/4	3,587.10
1/2	342.86	1/2	704.25	1/2	1,065.43	1/2	1,426.56	1/2	1,787.96	1/2	2,149.37	1/2	2,510.78	1/2	2,872.08	1/2	3,233.35	1/2	3,594.62
3/4	350.39	3/4	711.78	3/4	1,072.95	3/4	1,434.09	3/4	1,795.49	3/4	2,156.90	3/4	2,518.30	3/4	2,879.61	3/4	3,240.88	3/4	3,602.15

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 4" DIAMETER STANDPIPE.
 GAUGE POINT: (4" PIPE) LOCATED 10'-06" OFF CENTERLINE AND 40'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 30111"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 16'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,609.68	0	3,970.95	0	4,332.22	0	4,693.49	0	5,053.27	0		0		0		0		0	
1/4	3,617.20	1/4	3,978.47	1/4	4,339.75	1/4	4,701.02	1/4	5,060.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,624.73	1/2	3,986.00	1/2	4,347.27	1/2	4,708.55	1/2	5,068.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,632.26	3/4	3,993.53	3/4	4,354.80	3/4	4,716.07	3/4	5,075.55	3/4		3/4		3/4		3/4		3/4	
1	3,639.78	1	4,001.05	1	4,362.33	1	4,723.60	1	5,082.98	1		1		1		1		1	
1/4	3,647.31	1/4	4,008.58	1/4	4,369.85	1/4	4,731.10	1/4	5,090.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,654.84	1/2	4,016.11	1/2	4,377.38	1/2	4,738.60	1/2	5,097.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,662.36	3/4	4,023.63	3/4	4,384.91	3/4	4,746.10	3/4	5,105.26	3/4		3/4		3/4		3/4		3/4	
2	3,669.89	2	4,031.16	2	4,392.43	2	4,753.60	2	5,112.69	2		2		2		2		2	
1/4	3,677.41	1/4	4,038.69	1/4	4,399.96	1/4	4,761.09	1/4	5,120.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,684.94	1/2	4,046.21	1/2	4,407.49	1/2	4,768.59	1/2	5,127.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,692.47	3/4	4,053.74	3/4	4,415.01	3/4	4,776.09	3/4	5,134.98	3/4		3/4		3/4		3/4		3/4	
3	3,699.99	3	4,061.27	3	4,422.54	3	4,783.58	3	5,142.41	3		3		3		3		3	
1/4	3,707.52	1/4	4,068.79	1/4	4,430.06	1/4	4,791.08	1/4	5,149.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,715.05	1/2	4,076.32	1/2	4,437.59	1/2	4,798.58	1/2	5,157.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,722.57	3/4	4,083.85	3/4	4,445.12	3/4	4,806.08	3/4	5,164.69	3/4		3/4		3/4		3/4		3/4	
4	3,730.10	4	4,091.37	4	4,452.64	4	4,813.57	4	5,172.12	4		4		4		4		4	
1/4	3,737.63	1/4	4,098.90	1/4	4,460.17	1/4	4,821.07	1/4	5,179.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,745.15	1/2	4,106.43	1/2	4,467.70	1/2	4,828.57	1/2	5,186.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,752.68	3/4	4,113.95	3/4	4,475.22	3/4	4,836.07	3/4	5,194.40	3/4		3/4		3/4		3/4		3/4	
5	3,760.21	5	4,121.48	5	4,482.75	5	4,843.56	5	5,201.83	5		5		5		5		5	
1/4	3,767.73	1/4	4,129.00	1/4	4,490.28	1/4	4,851.06	1/4	5,208.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,775.26	1/2	4,136.53	1/2	4,497.80	1/2	4,858.56	1/2	5,215.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,782.79	3/4	4,144.06	3/4	4,505.33	3/4	4,866.06	3/4	5,222.47	3/4		3/4		3/4		3/4		3/4	
6	3,790.31	6	4,151.58	6	4,512.86	6	4,873.55	6	5,229.34	6		6		6		6		6	
1/4	3,797.84	1/4	4,159.11	1/4	4,520.38	1/4	4,881.05	1/4	5,235.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,805.37	1/2	4,166.64	1/2	4,527.91	1/2	4,888.55	1/2	5,240.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,812.89	3/4	4,174.16	3/4	4,535.44	3/4	4,896.05	3/4	5,246.45	3/4		3/4		3/4		3/4		3/4	
7	3,820.42	7	4,181.69	7	4,542.96	7	4,903.54	7	5,252.15	7		7		7		7		7	
1/4	3,827.94	1/4	4,189.22	1/4	4,550.49	1/4	4,911.04	1/4	5,256.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,835.47	1/2	4,196.74	1/2	4,558.02	1/2	4,918.54	1/2	5,261.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,843.00	3/4	4,204.27	3/4	4,565.54	3/4	4,926.04	3/4	5,265.57	3/4		3/4		3/4		3/4		3/4	
8	3,850.52	8	4,211.80	8	4,573.07	8	4,933.53	8	5,270.04	8		8		8		8		8	
1/4	3,858.05	1/4	4,219.32	1/4	4,580.59	1/4	4,941.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,865.58	1/2	4,226.85	1/2	4,588.12	1/2	4,948.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,873.10	3/4	4,234.38	3/4	4,595.65	3/4	4,956.03	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,880.63	9	4,241.90	9	4,603.17	9	4,963.52	9		9		9		9		9		9	
1/4	3,888.16	1/4	4,249.43	1/4	4,610.70	1/4	4,971.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,895.68	1/2	4,256.96	1/2	4,618.23	1/2	4,978.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,903.21	3/4	4,264.48	3/4	4,625.75	3/4	4,986.02	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,910.74	10	4,272.01	10	4,633.28	10	4,993.52	10		10		10		10		10		10	
1/4	3,918.26	1/4	4,279.53	1/4	4,640.81	1/4	5,001.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,925.79	1/2	4,287.06	1/2	4,648.33	1/2	5,008.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,933.32	3/4	4,294.59	3/4	4,655.86	3/4	5,016.02	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,940.84	11	4,302.11	11	4,663.39	11	5,023.52	11		11		11		11		11		11	
1/4	3,948.37	1/4	4,309.64	1/4	4,670.91	1/4	5,030.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,955.90	1/2	4,317.17	1/2	4,678.44	1/2	5,038.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,963.42	3/4	4,324.69	3/4	4,685.97	3/4	5,045.83	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 09/26/2012 CL - SW
CALCULATED: 09/26/2012 CL
NAME CHANGE: 03/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTC 3011"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 16'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.33	0	358.09	0	719.65	0	1,073.20	0	1,426.40	0	1,787.98	0	2,149.55	0	2,511.12	0	2,872.62	0	3,234.06
1/4	25.56	1/4	365.62	1/4	727.19	1/4	1,080.39	1/4	1,433.93	1/4	1,795.51	1/4	2,157.08	1/4	2,518.66	1/4	2,880.15	1/4	3,241.59
1/2	29.80	1/2	373.15	1/2	734.72	1/2	1,087.57	1/2	1,441.47	1/2	1,803.04	1/2	2,164.62	1/2	2,526.19	1/2	2,887.68	1/2	3,249.12
3/4	34.04	3/4	380.69	3/4	742.25	3/4	1,094.76	3/4	1,449.00	3/4	1,810.57	3/4	2,172.15	3/4	2,533.72	3/4	2,895.21	3/4	3,256.65
1	38.27	1	388.22	1	749.78	1	1,101.95	1	1,456.53	1	1,818.11	1	2,179.68	1	2,541.26	1	2,902.74	1	3,264.18
1/4	43.76	1/4	395.75	1/4	757.32	1/4	1,109.14	1/4	1,464.07	1/4	1,825.64	1/4	2,187.21	1/4	2,548.79	1/4	2,910.27	1/4	3,271.71
1/2	49.26	1/2	403.28	1/2	764.85	1/2	1,116.33	1/2	1,471.60	1/2	1,833.17	1/2	2,194.75	1/2	2,556.32	1/2	2,917.80	1/2	3,279.24
3/4	54.75	3/4	410.82	3/4	772.38	3/4	1,123.52	3/4	1,479.13	3/4	1,840.71	3/4	2,202.28	3/4	2,563.85	3/4	2,925.33	3/4	3,286.77
2	60.24	2	418.35	2	779.91	2	1,130.71	2	1,486.66	2	1,848.24	2	2,209.81	2	2,571.39	2	2,932.86	2	3,294.30
1/4	66.99	1/4	425.88	1/4	787.45	1/4	1,137.90	1/4	1,494.20	1/4	1,855.77	1/4	2,217.35	1/4	2,578.92	1/4	2,940.39	1/4	3,301.83
1/2	73.73	1/2	433.41	1/2	794.98	1/2	1,145.09	1/2	1,501.73	1/2	1,863.30	1/2	2,224.88	1/2	2,586.45	1/2	2,947.92	1/2	3,309.36
3/4	80.48	3/4	440.95	3/4	802.51	3/4	1,152.28	3/4	1,509.26	3/4	1,870.84	3/4	2,232.41	3/4	2,593.99	3/4	2,955.45	3/4	3,316.89
3	87.23	3	448.48	3	810.04	3	1,159.47	3	1,516.79	3	1,878.37	3	2,239.94	3	2,601.52	3	2,962.98	3	3,324.42
1/4	94.68	1/4	456.01	1/4	817.58	1/4	1,166.66	1/4	1,524.33	1/4	1,885.90	1/4	2,247.48	1/4	2,609.05	1/4	2,970.51	1/4	3,331.95
1/2	102.14	1/2	463.55	1/2	825.11	1/2	1,173.85	1/2	1,531.86	1/2	1,893.43	1/2	2,255.01	1/2	2,616.59	1/2	2,978.04	1/2	3,339.48
3/4	109.59	3/4	471.08	3/4	832.64	3/4	1,181.04	3/4	1,539.39	3/4	1,900.97	3/4	2,262.54	3/4	2,624.12	3/4	2,985.57	3/4	3,347.01
4	117.05	4	478.61	4	840.18	4	1,188.22	4	1,546.93	4	1,908.50	4	2,270.07	4	2,631.65	4	2,992.10	4	3,354.54
1/4	124.58	1/4	486.14	1/4	847.71	1/4	1,195.41	1/4	1,554.46	1/4	1,916.03	1/4	2,277.61	1/4	2,639.18	1/4	3,000.63	1/4	3,362.07
1/2	132.11	1/2	493.68	1/2	855.24	1/2	1,202.60	1/2	1,561.99	1/2	1,923.57	1/2	2,285.14	1/2	2,646.71	1/2	3,008.16	1/2	3,369.60
3/4	139.64	3/4	501.21	3/4	862.77	3/4	1,209.79	3/4	1,569.52	3/4	1,931.10	3/4	2,292.67	3/4	2,654.24	3/4	3,015.69	3/4	3,377.13
5	147.18	5	508.74	5	870.31	5	1,216.98	5	1,577.06	5	1,938.63	5	2,300.21	5	2,661.77	5	3,023.22	5	3,384.66
1/4	154.71	1/4	516.27	1/4	877.84	1/4	1,224.18	1/4	1,584.59	1/4	1,946.16	1/4	2,307.74	1/4	2,669.30	1/4	3,030.75	1/4	3,392.19
1/2	162.24	1/2	523.81	1/2	885.37	1/2	1,231.38	1/2	1,592.12	1/2	1,953.70	1/2	2,315.27	1/2	2,676.83	1/2	3,038.28	1/2	3,399.72
3/4	169.77	3/4	531.34	3/4	892.90	3/4	1,238.58	3/4	1,599.66	3/4	1,961.23	3/4	2,322.80	3/4	2,684.36	3/4	3,045.81	3/4	3,407.25
6	177.31	6	538.87	6	900.44	6	1,245.78	6	1,607.19	6	1,968.76	6	2,330.34	6	2,691.89	6	3,053.34	6	3,414.78
1/4	184.84	1/4	546.40	1/4	907.68	1/4	1,253.27	1/4	1,614.72	1/4	1,976.30	1/4	2,337.87	1/4	2,699.42	1/4	3,060.87	1/4	3,422.31
1/2	192.37	1/2	553.94	1/2	914.92	1/2	1,260.76	1/2	1,622.25	1/2	1,983.83	1/2	2,345.40	1/2	2,706.95	1/2	3,068.40	1/2	3,429.84
3/4	199.90	3/4	561.47	3/4	922.16	3/4	1,268.25	3/4	1,629.79	3/4	1,991.36	3/4	2,352.94	3/4	2,714.48	3/4	3,075.93	3/4	3,437.37
7	207.44	7	569.00	7	929.40	7	1,275.75	7	1,637.32	7	1,998.89	7	2,360.47	7	2,722.01	7	3,083.46	7	3,444.90
1/4	214.97	1/4	576.53	1/4	936.59	1/4	1,283.28	1/4	1,644.85	1/4	2,006.43	1/4	2,368.00	1/4	2,729.54	1/4	3,090.99	1/4	3,452.43
1/2	222.50	1/2	584.07	1/2	943.79	1/2	1,290.81	1/2	1,652.39	1/2	2,013.96	1/2	2,375.53	1/2	2,737.07	1/2	3,098.52	1/2	3,459.96
3/4	230.03	3/4	591.60	3/4	950.98	3/4	1,298.34	3/4	1,659.92	3/4	2,021.49	3/4	2,383.07	3/4	2,744.60	3/4	3,106.05	3/4	3,467.49
8	237.57	8	599.13	8	958.17	8	1,305.88	8	1,667.45	8	2,029.03	8	2,390.60	8	2,752.13	8	3,113.58	8	3,475.02
1/4	245.10	1/4	606.66	1/4	965.36	1/4	1,313.41	1/4	1,674.98	1/4	2,036.56	1/4	2,398.13	1/4	2,759.66	1/4	3,121.11	1/4	3,482.55
1/2	252.63	1/2	614.20	1/2	972.55	1/2	1,320.94	1/2	1,682.52	1/2	2,044.09	1/2	2,405.67	1/2	2,767.19	1/2	3,128.64	1/2	3,490.08
3/4	260.17	3/4	621.73	3/4	979.74	3/4	1,328.47	3/4	1,690.05	3/4	2,051.62	3/4	2,413.20	3/4	2,774.72	3/4	3,136.17	3/4	3,497.61
9	267.70	9	629.26	9	986.92	9	1,336.01	9	1,697.58	9	2,059.16	9	2,420.73	9	2,782.25	9	3,143.70	9	3,505.14
1/4	275.23	1/4	636.80	1/4	994.11	1/4	1,343.54	1/4	1,705.11	1/4	2,066.69	1/4	2,428.26	1/4	2,789.78	1/4	3,151.23	1/4	3,512.67
1/2	282.76	1/2	644.33	1/2	1,001.30	1/2	1,351.07	1/2	1,712.65	1/2	2,074.22	1/2	2,435.80	1/2	2,797.31	1/2	3,158.76	1/2	3,520.20
3/4	290.30	3/4	651.86	3/4	1,008.49	3/4	1,358.61	3/4	1,720.18	3/4	2,081.75	3/4	2,443.33	3/4	2,804.84	3/4	3,166.29	3/4	3,527.73
10	297.83	10	659.39	10	1,015.68	10	1,366.14	10	1,727.71	10	2,089.29	10	2,450.86	10	2,812.37	10	3,173.82	10	3,535.26
1/4	305.36	1/4	666.93	1/4	1,022.87	1/4	1,373.67	1/4	1,735.25	1/4	2,096.82	1/4	2,458.39	1/4	2,819.90	1/4	3,181.35	1/4	3,542.79
1/2	312.89	1/2	674.46	1/2	1,030.06	1/2	1,381.20	1/2	1,742.78	1/2	2,104.35	1/2	2,465.93	1/2	2,827.43	1/2	3,188.88	1/2	3,550.32
3/4	320.43	3/4	681.99	3/4	1,037.25	3/4	1,388.74	3/4	1,750.31	3/4	2,111.89	3/4	2,473.46	3/4	2,834.97	3/4	3,196.41	3/4	3,557.85
11	327.96	11	689.52	11	1,044.44	11	1,396.27	11	1,757.84	11	2,119.42	11	2,480.99	11	2,842.50	11	3,203.94	11	3,565.38
1/4	335.49	1/4	697.06	1/4	1,051.63	1/4	1,403.80	1/4	1,765.38	1/4	2,126.95	1/4	2,488.53	1/4	2,850.03	1/4	3,211.47	1/4	3,572.91
1/2	343.02	1/2	704.59	1/2	1,058.82	1/2	1,411.34	1/2	1,772.91	1/2	2,134.48	1/2	2,496.06	1/2	2,857.56	1/2	3,219.00	1/2	3,580.44
3/4	350.56	3/4	712.12	3/4	1,066.01	3/4	1,418.87	3/4	1,780.44	3/4	2,142.02	3/4	2,503.59	3/4	2,865.09	3/4	3,226.53	3/4	3,587.98

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 4" DIAMETER STANDPIPE.
 GAUGE POINT: (4" PIPE) LOCATED 10'-06" OFF CENTERLINE AND 40'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CTC 30111"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 16'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,595.51	0	3,956.95	0	4,318.39	0	4,679.84	0	5,039.79	0		0		0		0		0	
1/4	3,603.04	1/4	3,964.48	1/4	4,325.92	1/4	4,687.37	1/4	5,047.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,610.57	1/2	3,972.01	1/2	4,333.45	1/2	4,694.90	1/2	5,054.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,618.10	3/4	3,979.54	3/4	4,340.99	3/4	4,702.43	3/4	5,062.09	3/4		3/4		3/4		3/4		3/4	
1	3,625.63	1	3,987.07	1	4,348.52	1	4,709.96	1	5,069.52	1		1		1		1		1	
1/4	3,633.16	1/4	3,994.60	1/4	4,356.05	1/4	4,717.46	1/4	5,076.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,640.69	1/2	4,002.13	1/2	4,363.58	1/2	4,724.97	1/2	5,084.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,648.22	3/4	4,009.66	3/4	4,371.11	3/4	4,732.47	3/4	5,091.82	3/4		3/4		3/4		3/4		3/4	
2	3,655.75	2	4,017.19	2	4,378.64	2	4,739.98	2	5,099.25	2		2		2		2		2	
1/4	3,663.28	1/4	4,024.72	1/4	4,386.17	1/4	4,747.48	1/4	5,106.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.81	1/2	4,032.25	1/2	4,393.70	1/2	4,754.98	1/2	5,114.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.34	3/4	4,039.78	3/4	4,401.23	3/4	4,762.48	3/4	5,121.54	3/4		3/4		3/4		3/4		3/4	
3	3,685.87	3	4,047.31	3	4,408.76	3	4,769.98	3	5,128.98	3		3		3		3		3	
1/4	3,693.40	1/4	4,054.84	1/4	4,416.29	1/4	4,777.48	1/4	5,136.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,700.93	1/2	4,062.37	1/2	4,423.82	1/2	4,784.98	1/2	5,143.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,708.46	3/4	4,069.90	3/4	4,431.35	3/4	4,792.48	3/4	5,151.27	3/4		3/4		3/4		3/4		3/4	
4	3,715.99	4	4,077.43	4	4,438.88	4	4,799.99	4	5,158.70	4		4		4		4		4	
1/4	3,723.52	1/4	4,084.96	1/4	4,446.41	1/4	4,807.49	1/4	5,166.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,731.05	1/2	4,092.49	1/2	4,453.94	1/2	4,814.99	1/2	5,173.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,738.58	3/4	4,100.02	3/4	4,461.47	3/4	4,822.49	3/4	5,181.00	3/4		3/4		3/4		3/4		3/4	
5	3,746.11	5	4,107.55	5	4,469.00	5	4,829.99	5	5,188.43	5		5		5		5		5	
1/4	3,753.64	1/4	4,115.08	1/4	4,476.53	1/4	4,837.49	1/4	5,195.31	1/4		1/4		1/4		1/4		1/4	
1/2	3,761.17	1/2	4,122.61	1/2	4,484.06	1/2	4,844.99	1/2	5,202.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,768.70	3/4	4,130.14	3/4	4,491.59	3/4	4,852.49	3/4	5,209.07	3/4		3/4		3/4		3/4		3/4	
6	3,776.23	6	4,137.67	6	4,499.12	6	4,859.99	6	5,215.96	6		6		6		6		6	
1/4	3,783.76	1/4	4,145.20	1/4	4,506.65	1/4	4,867.49	1/4	5,222.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,791.29	1/2	4,152.73	1/2	4,514.18	1/2	4,875.00	1/2	5,227.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,798.82	3/4	4,160.26	3/4	4,521.71	3/4	4,882.50	3/4	5,233.07	3/4		3/4		3/4		3/4		3/4	
7	3,806.35	7	4,167.79	7	4,529.24	7	4,890.00	7	5,238.77	7		7		7		7		7	
1/4	3,813.88	1/4	4,175.32	1/4	4,536.77	1/4	4,897.50	1/4	5,243.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,821.41	1/2	4,182.85	1/2	4,544.30	1/2	4,905.00	1/2	5,247.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,828.94	3/4	4,190.38	3/4	4,551.83	3/4	4,912.50	3/4	5,252.20	3/4		3/4		3/4		3/4		3/4	
8	3,836.47	8	4,197.91	8	4,559.36	8	4,920.00	8	5,256.67	8		8		8		8		8	
1/4	3,844.00	1/4	4,205.44	1/4	4,566.89	1/4	4,927.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,851.53	1/2	4,212.97	1/2	4,574.42	1/2	4,935.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,859.06	3/4	4,220.50	3/4	4,581.95	3/4	4,942.50	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,866.59	9	4,228.03	9	4,589.48	9	4,950.01	9		9		9		9		9		9	
1/4	3,874.12	1/4	4,235.56	1/4	4,597.01	1/4	4,957.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,881.65	1/2	4,243.09	1/2	4,604.54	1/2	4,965.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.18	3/4	4,250.62	3/4	4,612.07	3/4	4,972.51	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,896.71	10	4,258.15	10	4,619.60	10	4,980.02	10		10		10		10		10		10	
1/4	3,904.24	1/4	4,265.68	1/4	4,627.13	1/4	4,987.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,911.77	1/2	4,273.21	1/2	4,634.66	1/2	4,995.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,919.30	3/4	4,280.74	3/4	4,642.19	3/4	5,002.53	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,926.83	11	4,288.27	11	4,649.72	11	5,010.03	11		11		11		11		11		11	
1/4	3,934.36	1/4	4,295.80	1/4	4,657.25	1/4	5,017.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,941.89	1/2	4,303.33	1/2	4,664.78	1/2	5,024.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,949.42	3/4	4,310.86	3/4	4,672.31	3/4	5,032.35	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 09/26/2012 CL - SW
CALCULATED: 09/26/2012 CL
NAME CHANGE: 03/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTC 30111"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 16'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.22	0	356.25	0	715.95	0	1,075.45	0	1,435.00	0	1,794.72	0	2,154.41	0	2,514.04	0	2,873.49	0	3,232.05
1/4	25.44	1/4	363.74	1/4	723.45	1/4	1,082.94	1/4	1,442.50	1/4	1,802.21	1/4	2,161.90	1/4	2,521.53	1/4	2,880.96	1/4	3,239.49
1/2	29.65	1/2	371.24	1/2	730.94	1/2	1,090.42	1/2	1,449.99	1/2	1,809.71	1/2	2,169.40	1/2	2,529.03	1/2	2,888.44	1/2	3,246.93
3/4	33.86	3/4	378.73	3/4	738.43	3/4	1,097.91	3/4	1,457.49	3/4	1,817.20	3/4	2,176.89	3/4	2,536.52	3/4	2,895.92	3/4	3,254.38
1	38.08	1	386.22	1	745.93	1	1,105.39	1	1,464.98	1	1,824.70	1	2,184.38	1	2,544.01	1	2,903.40	1	3,261.82
1/4	43.54	1/4	393.72	1/4	753.42	1/4	1,112.88	1/4	1,472.47	1/4	1,832.19	1/4	2,191.87	1/4	2,551.50	1/4	2,910.88	1/4	3,269.27
1/2	49.01	1/2	401.21	1/2	760.91	1/2	1,120.36	1/2	1,479.97	1/2	1,839.68	1/2	2,199.37	1/2	2,559.00	1/2	2,918.36	1/2	3,276.71
3/4	54.47	3/4	408.71	3/4	768.41	3/4	1,127.85	3/4	1,487.46	3/4	1,847.18	3/4	2,206.86	3/4	2,566.49	3/4	2,925.83	3/4	3,284.15
2	59.93	2	416.20	2	775.90	2	1,135.33	2	1,494.96	2	1,854.67	2	2,214.35	2	2,573.98	2	2,933.31	2	3,291.60
1/4	66.65	1/4	423.69	1/4	783.40	1/4	1,142.82	1/4	1,502.45	1/4	1,862.17	1/4	2,221.84	1/4	2,581.47	1/4	2,940.79	1/4	3,299.04
1/2	73.36	1/2	431.19	1/2	790.89	1/2	1,150.30	1/2	1,509.94	1/2	1,869.66	1/2	2,229.33	1/2	2,588.96	1/2	2,948.27	1/2	3,306.49
3/4	80.07	3/4	438.68	3/4	798.38	3/4	1,157.79	3/4	1,517.44	3/4	1,877.15	3/4	2,236.83	3/4	2,596.46	3/4	2,955.75	3/4	3,313.93
3	86.78	3	446.17	3	805.88	3	1,165.27	3	1,524.93	3	1,884.65	3	2,244.32	3	2,603.95	3	2,963.22	3	3,321.37
1/4	94.20	1/4	453.67	1/4	813.37	1/4	1,172.75	1/4	1,532.43	1/4	1,892.14	1/4	2,251.81	1/4	2,611.44	1/4	2,970.70	1/4	3,328.83
1/2	101.62	1/2	461.16	1/2	820.86	1/2	1,180.24	1/2	1,539.92	1/2	1,899.64	1/2	2,259.30	1/2	2,618.93	1/2	2,978.18	1/2	3,336.29
3/4	109.03	3/4	468.66	3/4	828.36	3/4	1,187.72	3/4	1,547.41	3/4	1,907.13	3/4	2,266.80	3/4	2,626.42	3/4	2,985.66	3/4	3,343.75
4	116.45	4	476.15	4	835.85	4	1,195.21	4	1,554.91	4	1,914.63	4	2,274.29	4	2,633.92	4	2,993.14	4	3,351.20
1/4	123.94	1/4	483.64	1/4	843.35	1/4	1,202.70	1/4	1,562.40	1/4	1,922.12	1/4	2,281.78	1/4	2,641.41	1/4	3,000.62	1/4	3,358.66
1/2	131.44	1/2	491.14	1/2	850.84	1/2	1,210.19	1/2	1,569.90	1/2	1,929.61	1/2	2,289.27	1/2	2,648.90	1/2	3,008.09	1/2	3,366.12
3/4	138.93	3/4	498.63	3/4	858.33	3/4	1,217.68	3/4	1,577.39	3/4	1,937.11	3/4	2,296.77	3/4	2,656.39	3/4	3,015.57	3/4	3,373.58
5	146.42	5	506.13	5	865.83	5	1,225.17	5	1,584.89	5	1,944.60	5	2,304.26	5	2,663.88	5	3,023.05	5	3,381.04
1/4	153.92	1/4	513.62	1/4	873.32	1/4	1,232.66	1/4	1,592.38	1/4	1,952.10	1/4	2,311.75	1/4	2,671.37	1/4	3,030.53	1/4	3,388.50
1/2	161.41	1/2	521.11	1/2	880.82	1/2	1,240.16	1/2	1,599.87	1/2	1,959.59	1/2	2,319.24	1/2	2,678.86	1/2	3,038.01	1/2	3,395.96
3/4	168.90	3/4	528.61	3/4	888.31	3/4	1,247.65	3/4	1,607.37	3/4	1,967.08	3/4	2,326.73	3/4	2,686.35	3/4	3,045.48	3/4	3,403.42
6	176.40	6	536.10	6	895.80	6	1,255.14	6	1,614.86	6	1,974.58	6	2,334.23	6	2,693.84	6	3,052.96	6	3,410.88
1/4	183.89	1/4	543.59	1/4	903.29	1/4	1,262.64	1/4	1,622.36	1/4	1,982.07	1/4	2,341.72	1/4	2,701.33	1/4	3,060.44	1/4	3,418.34
1/2	191.39	1/2	551.09	1/2	910.78	1/2	1,270.13	1/2	1,629.85	1/2	1,989.57	1/2	2,349.21	1/2	2,708.82	1/2	3,067.92	1/2	3,425.80
3/4	198.88	3/4	558.58	3/4	918.27	3/4	1,277.63	3/4	1,637.34	3/4	1,997.06	3/4	2,356.70	3/4	2,716.32	3/4	3,075.40	3/4	3,433.26
7	206.37	7	566.08	7	925.76	7	1,285.12	7	1,644.84	7	2,004.55	7	2,364.20	7	2,723.81	7	3,082.88	7	3,440.72
1/4	213.87	1/4	573.57	1/4	933.24	1/4	1,292.62	1/4	1,652.33	1/4	2,012.05	1/4	2,371.69	1/4	2,731.30	1/4	3,090.35	1/4	3,448.18
1/2	221.36	1/2	581.06	1/2	940.73	1/2	1,300.11	1/2	1,659.83	1/2	2,019.54	1/2	2,379.18	1/2	2,738.79	1/2	3,097.83	1/2	3,455.64
3/4	228.85	3/4	588.56	3/4	948.21	3/4	1,307.60	3/4	1,667.32	3/4	2,027.04	3/4	2,386.67	3/4	2,746.28	3/4	3,105.31	3/4	3,463.10
8	236.35	8	596.05	8	955.70	8	1,315.10	8	1,674.81	8	2,034.53	8	2,394.17	8	2,753.77	8	3,112.79	8	3,470.56
1/4	243.84	1/4	603.54	1/4	963.18	1/4	1,322.59	1/4	1,682.31	1/4	2,042.02	1/4	2,401.66	1/4	2,761.26	1/4	3,120.27	1/4	3,478.02
1/2	251.34	1/2	611.04	1/2	970.67	1/2	1,330.09	1/2	1,689.80	1/2	2,049.52	1/2	2,409.15	1/2	2,768.76	1/2	3,127.75	1/2	3,485.48
3/4	258.83	3/4	618.53	3/4	978.15	3/4	1,337.58	3/4	1,697.30	3/4	2,057.01	3/4	2,416.64	3/4	2,776.25	3/4	3,135.22	3/4	3,492.94
9	266.32	9	626.03	9	985.64	9	1,345.07	9	1,704.79	9	2,064.50	9	2,424.13	9	2,783.74	9	3,142.70	9	3,500.40
1/4	273.82	1/4	633.52	1/4	993.12	1/4	1,352.57	1/4	1,712.28	1/4	2,072.00	1/4	2,431.63	1/4	2,791.22	1/4	3,150.15	1/4	3,507.86
1/2	281.31	1/2	641.01	1/2	1,000.61	1/2	1,360.06	1/2	1,719.78	1/2	2,079.49	1/2	2,439.12	1/2	2,798.70	1/2	3,157.60	1/2	3,509.32
3/4	288.80	3/4	648.51	3/4	1,008.09	3/4	1,367.56	3/4	1,727.27	3/4	2,086.98	3/4	2,446.61	3/4	2,806.18	3/4	3,165.05	3/4	3,513.78
10	296.30	10	656.00	10	1,015.58	10	1,375.05	10	1,734.77	10	2,094.47	10	2,454.10	10	2,813.66	10	3,172.49	10	3,518.24
1/4	303.79	1/4	663.49	1/4	1,023.06	1/4	1,382.54	1/4	1,742.26	1/4	2,101.97	1/4	2,461.60	1/4	2,821.14	1/4	3,179.94	1/4	3,522.27
1/2	311.29	1/2	670.99	1/2	1,030.55	1/2	1,390.04	1/2	1,749.76	1/2	2,109.46	1/2	2,469.09	1/2	2,828.62	1/2	3,187.38	1/2	3,526.30
3/4	318.78	3/4	678.48	3/4	1,038.03	3/4	1,397.53	3/4	1,757.25	3/4	2,116.95	3/4	2,476.58	3/4	2,836.10	3/4	3,194.83	3/4	3,530.33
11	326.27	11	685.98	11	1,045.51	11	1,405.03	11	1,764.74	11	2,124.44	11	2,484.07	11	2,843.57	11	3,202.27	11	3,534.37
1/4	333.77	1/4	693.47	1/4	1,053.00	1/4	1,412.52	1/4	1,772.24	1/4	2,131.93	1/4	2,491.56	1/4	2,851.05	1/4	3,209.71	1/4	3,538.40
1/2	341.26	1/2	700.96	1/2	1,060.48	1/2	1,420.01	1/2	1,779.73	1/2	2,139.43	1/2	2,499.06	1/2	2,858.53	1/2	3,217.16	1/2	3,542.43
3/4	348.76	3/4	708.46	3/4	1,067.97	3/4	1,427.51	3/4	1,787.23	3/4	2,146.92	3/4	2,506.55	3/4	2,866.01	3/4	3,224.60	3/4	3,546.46

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 4" DIAMETER STANDPIPE.
 GAUGE POINT: (4" PIPE) LOCATED 10'-06" OFF CENTERLINE AND 55'-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 "CTC 30111"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 16'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	3,550.49	0	3,744.04	0	3,937.58	0	4,131.12	0	4,323.88	0		0		0		0		0	
1/4	3,554.53	1/4	3,748.07	1/4	3,941.61	1/4	4,135.15	1/4	4,327.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,558.56	1/2	3,752.10	1/2	3,945.64	1/2	4,139.18	1/2	4,331.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,562.59	3/4	3,756.13	3/4	3,949.67	3/4	4,143.21	3/4	4,335.82	3/4		3/4		3/4		3/4		3/4	
1	3,566.62	1	3,760.16	1	3,953.70	1	4,147.25	1	4,339.80	1		1		1		1		1	
1/4	3,570.66	1/4	3,764.20	1/4	3,957.74	1/4	4,151.26	1/4	4,343.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,574.69	1/2	3,768.23	1/2	3,961.77	1/2	4,155.28	1/2	4,347.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,578.72	3/4	3,772.26	3/4	3,965.80	3/4	4,159.30	3/4	4,351.74	3/4		3/4		3/4		3/4		3/4	
2	3,582.75	2	3,776.29	2	3,969.83	2	4,163.32	2	4,355.71	2		2		2		2		2	
1/4	3,586.78	1/4	3,780.32	1/4	3,973.87	1/4	4,167.33	1/4	4,359.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,590.82	1/2	3,784.36	1/2	3,977.90	1/2	4,171.35	1/2	4,363.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,594.85	3/4	3,788.39	3/4	3,981.93	3/4	4,175.37	3/4	4,367.65	3/4		3/4		3/4		3/4		3/4	
3	3,598.88	3	3,792.42	3	3,985.96	3	4,179.39	3	4,371.63	3		3		3		3		3	
1/4	3,602.91	1/4	3,796.45	1/4	3,989.99	1/4	4,183.40	1/4	4,375.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,606.94	1/2	3,800.48	1/2	3,994.03	1/2	4,187.42	1/2	4,379.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,610.98	3/4	3,804.52	3/4	3,998.06	3/4	4,191.44	3/4	4,383.57	3/4		3/4		3/4		3/4		3/4	
4	3,615.01	4	3,808.55	4	4,002.09	4	4,195.46	4	4,387.55	4		4		4		4		4	
1/4	3,619.04	1/4	3,812.58	1/4	4,006.12	1/4	4,199.47	1/4	4,391.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,623.07	1/2	3,816.61	1/2	4,010.15	1/2	4,203.49	1/2	4,395.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,627.10	3/4	3,820.65	3/4	4,014.19	3/4	4,207.51	3/4	4,399.48	3/4		3/4		3/4		3/4		3/4	
5	3,631.14	5	3,824.68	5	4,018.22	5	4,211.53	5	4,403.46	5		5		5		5		5	
1/4	3,635.17	1/4	3,828.71	1/4	4,022.25	1/4	4,215.54	1/4	4,406.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,639.20	1/2	3,832.74	1/2	4,026.28	1/2	4,219.56	1/2	4,410.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,643.23	3/4	3,836.77	3/4	4,030.31	3/4	4,223.58	3/4	4,413.76	3/4		3/4		3/4		3/4		3/4	
6	3,647.27	6	3,840.81	6	4,034.35	6	4,227.60	6	4,417.20	6		6		6		6		6	
1/4	3,651.30	1/4	3,844.84	1/4	4,038.38	1/4	4,231.61	1/4	4,419.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,655.33	1/2	3,848.87	1/2	4,042.41	1/2	4,235.63	1/2	4,421.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,659.36	3/4	3,852.90	3/4	4,046.44	3/4	4,239.65	3/4	4,423.99	3/4		3/4		3/4		3/4		3/4	
7	3,663.39	7	3,856.93	7	4,050.48	7	4,243.67	7	4,426.25	7		7		7		7		7	
1/4	3,667.43	1/4	3,860.97	1/4	4,054.51	1/4	4,247.68	1/4	4,427.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,671.46	1/2	3,865.00	1/2	4,058.54	1/2	4,251.70	1/2	4,428.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,675.49	3/4	3,869.03	3/4	4,062.57	3/4	4,255.72	3/4	4,429.32	3/4		3/4		3/4		3/4		3/4	
8	3,679.52	8	3,873.06	8	4,066.60	8	4,259.74	8	4,430.35	8		8		8		8		8	
1/4	3,683.55	1/4	3,877.09	1/4	4,070.64	1/4	4,263.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,687.59	1/2	3,881.13	1/2	4,074.67	1/2	4,267.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,691.62	3/4	3,885.16	3/4	4,078.70	3/4	4,271.79	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,695.65	9	3,889.19	9	4,082.73	9	4,275.81	9		9		9		9		9		9	
1/4	3,699.68	1/4	3,893.22	1/4	4,086.76	1/4	4,279.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,703.71	1/2	3,897.26	1/2	4,090.80	1/2	4,283.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,707.75	3/4	3,901.29	3/4	4,094.83	3/4	4,287.86	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,711.78	10	3,905.32	10	4,098.86	10	4,291.88	10		10		10		10		10		10	
1/4	3,715.81	1/4	3,909.35	1/4	4,102.89	1/4	4,295.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,719.84	1/2	3,913.38	1/2	4,106.92	1/2	4,299.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,723.87	3/4	3,917.42	3/4	4,110.96	3/4	4,303.93	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,727.91	11	3,921.45	11	4,114.99	11	4,307.95	11		11		11		11		11		11	
1/4	3,731.94	1/4	3,925.48	1/4	4,119.02	1/4	4,311.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,735.97	1/2	3,929.51	1/2	4,123.05	1/2	4,315.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,740.00	3/4	3,933.54	3/4	4,127.08	3/4	4,319.90	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/26/2012 CL - SW
CALCULATED: 09/26/2012 CL
NAME CHANGE: 03/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

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



BARGE "CTC 30111"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.22	0	355.65	0	714.70	0	1,062.22	0	1,414.70	0	1,773.13	0	2,132.07	0	2,490.94	0	2,849.62	0	3,207.24
1/4	25.43	1/4	363.13	1/4	722.18	1/4	1,069.36	1/4	1,422.12	1/4	1,780.61	1/4	2,139.54	1/4	2,498.41	1/4	2,857.09	1/4	3,214.67
1/2	29.64	1/2	370.61	1/2	729.67	1/2	1,076.51	1/2	1,429.53	1/2	1,788.09	1/2	2,147.02	1/2	2,505.89	1/2	2,864.55	1/2	3,222.10
3/4	33.86	3/4	378.09	3/4	737.15	3/4	1,083.65	3/4	1,436.95	3/4	1,795.57	3/4	2,154.50	3/4	2,513.37	3/4	2,872.01	3/4	3,229.53
1	38.07	1	385.57	1	744.63	1	1,090.79	1	1,444.37	1	1,803.05	1	2,161.97	1	2,520.84	1	2,879.47	1	3,236.96
1/4	43.52	1/4	393.05	1/4	752.11	1/4	1,097.94	1/4	1,451.78	1/4	1,810.53	1/4	2,169.45	1/4	2,528.32	1/4	2,886.93	1/4	3,244.39
1/2	48.97	1/2	400.53	1/2	759.59	1/2	1,105.08	1/2	1,459.20	1/2	1,818.00	1/2	2,176.93	1/2	2,535.80	1/2	2,894.38	1/2	3,251.81
3/4	54.43	3/4	408.01	3/4	767.07	3/4	1,112.22	3/4	1,466.62	3/4	1,825.48	3/4	2,184.40	3/4	2,543.27	3/4	2,901.84	3/4	3,259.24
2	59.88	2	415.49	2	774.55	2	1,119.37	2	1,474.03	2	1,832.96	2	2,191.88	2	2,550.75	2	2,909.30	2	3,266.67
1/4	66.57	1/4	422.97	1/4	782.03	1/4	1,126.51	1/4	1,481.50	1/4	1,840.44	1/4	2,199.35	1/4	2,558.23	1/4	2,916.75	1/4	3,274.10
1/2	73.26	1/2	430.45	1/2	789.51	1/2	1,133.65	1/2	1,488.97	1/2	1,847.92	1/2	2,206.83	1/2	2,565.70	1/2	2,924.21	1/2	3,281.53
3/4	79.95	3/4	437.93	3/4	796.99	3/4	1,140.80	3/4	1,496.45	3/4	1,855.40	3/4	2,214.31	3/4	2,573.18	3/4	2,931.66	3/4	3,288.95
3	86.64	3	445.41	3	804.47	3	1,147.94	3	1,503.92	3	1,862.87	3	2,221.78	3	2,580.66	3	2,939.12	3	3,296.38
1/4	94.04	1/4	452.89	1/4	811.70	1/4	1,155.33	1/4	1,511.39	1/4	1,870.35	1/4	2,229.26	1/4	2,588.13	1/4	2,946.57	1/4	3,303.82
1/2	101.45	1/2	460.37	1/2	818.93	1/2	1,162.72	1/2	1,518.87	1/2	1,877.83	1/2	2,236.74	1/2	2,595.61	1/2	2,954.03	1/2	3,311.27
3/4	108.85	3/4	467.85	3/4	826.16	3/4	1,170.11	3/4	1,526.35	3/4	1,885.31	3/4	2,244.21	3/4	2,603.08	3/4	2,961.48	3/4	3,318.71
4	116.25	4	475.33	4	833.40	4	1,177.51	4	1,533.83	4	1,892.79	4	2,251.69	4	2,610.56	4	2,968.94	4	3,326.15
1/4	123.73	1/4	482.81	1/4	840.57	1/4	1,184.91	1/4	1,541.31	1/4	1,900.27	1/4	2,259.17	1/4	2,618.03	1/4	2,976.39	1/4	3,333.59
1/2	131.22	1/2	490.29	1/2	847.74	1/2	1,192.31	1/2	1,548.79	1/2	1,907.74	1/2	2,266.64	1/2	2,625.51	1/2	2,983.85	1/2	3,341.04
3/4	138.71	3/4	497.77	3/4	854.91	3/4	1,199.71	3/4	1,556.26	3/4	1,915.22	3/4	2,274.12	3/4	2,632.98	3/4	2,991.30	3/4	3,348.48
5	146.19	5	505.25	5	862.08	5	1,207.11	5	1,563.74	5	1,922.70	5	2,281.60	5	2,640.46	5	2,998.75	5	3,355.92
1/4	153.67	1/4	512.73	1/4	869.25	1/4	1,214.51	1/4	1,571.22	1/4	1,930.18	1/4	2,289.07	1/4	2,647.93	1/4	3,006.21	1/4	3,363.37
1/2	161.15	1/2	520.21	1/2	876.42	1/2	1,221.91	1/2	1,578.70	1/2	1,937.66	1/2	2,296.55	1/2	2,655.41	1/2	3,013.66	1/2	3,370.81
3/4	168.63	3/4	527.69	3/4	883.59	3/4	1,229.31	3/4	1,586.18	3/4	1,945.14	3/4	2,304.03	3/4	2,662.89	3/4	3,021.12	3/4	3,378.26
6	176.12	6	535.17	6	890.76	6	1,236.71	6	1,593.66	6	1,952.61	6	2,311.50	6	2,670.36	6	3,028.57	6	3,385.70
1/4	183.60	1/4	542.66	1/4	897.91	1/4	1,244.12	1/4	1,601.13	1/4	1,960.09	1/4	2,318.98	1/4	2,677.84	1/4	3,036.03	1/4	3,393.14
1/2	191.08	1/2	550.14	1/2	905.06	1/2	1,251.54	1/2	1,608.61	1/2	1,967.57	1/2	2,326.46	1/2	2,685.31	1/2	3,043.48	1/2	3,400.59
3/4	198.56	3/4	557.62	3/4	912.21	3/4	1,258.95	3/4	1,616.09	3/4	1,975.05	3/4	2,333.93	3/4	2,692.79	3/4	3,050.94	3/4	3,408.03
7	206.04	7	565.10	7	919.36	7	1,266.37	7	1,623.57	7	1,982.53	7	2,341.41	7	2,700.26	7	3,058.39	7	3,415.47
1/4	213.52	1/4	572.58	1/4	926.50	1/4	1,273.78	1/4	1,631.05	1/4	1,990.01	1/4	2,348.88	1/4	2,707.74	1/4	3,065.86	1/4	3,422.92
1/2	221.00	1/2	580.06	1/2	933.64	1/2	1,281.20	1/2	1,638.53	1/2	1,997.48	1/2	2,356.36	1/2	2,715.21	1/2	3,073.32	1/2	3,430.36
3/4	228.48	3/4	587.54	3/4	940.79	3/4	1,288.62	3/4	1,646.00	3/4	2,004.96	3/4	2,363.84	3/4	2,722.69	3/4	3,080.78	3/4	3,437.81
8	235.96	8	595.02	8	947.93	8	1,296.03	8	1,653.48	8	2,012.44	8	2,371.31	8	2,730.16	8	3,088.24	8	3,445.25
1/4	243.44	1/4	602.50	1/4	955.07	1/4	1,303.45	1/4	1,660.96	1/4	2,019.92	1/4	2,378.79	1/4	2,737.64	1/4	3,095.70	1/4	3,452.69
1/2	250.92	1/2	609.98	1/2	962.22	1/2	1,310.87	1/2	1,668.44	1/2	2,027.39	1/2	2,386.27	1/2	2,745.11	1/2	3,103.16	1/2	3,460.14
3/4	258.40	3/4	617.46	3/4	969.36	3/4	1,318.28	3/4	1,675.92	3/4	2,034.87	3/4	2,393.74	3/4	2,752.59	3/4	3,110.63	3/4	3,467.58
9	265.88	9	624.94	9	976.50	9	1,325.70	9	1,683.40	9	2,042.35	9	2,401.22	9	2,760.07	9	3,118.09	9	3,475.02
1/4	273.36	1/4	632.42	1/4	983.65	1/4	1,333.12	1/4	1,690.87	1/4	2,049.82	1/4	2,408.70	1/4	2,767.53	1/4	3,125.52	1/4	3,479.47
1/2	280.84	1/2	639.90	1/2	990.79	1/2	1,340.53	1/2	1,698.35	1/2	2,057.30	1/2	2,416.17	1/2	2,775.00	1/2	3,132.95	1/2	3,483.92
3/4	288.32	3/4	647.38	3/4	997.93	3/4	1,347.95	3/4	1,705.83	3/4	2,064.78	3/4	2,423.65	3/4	2,782.46	3/4	3,140.39	3/4	3,488.36
10	295.80	10	654.86	10	1,005.08	10	1,355.37	10	1,713.31	10	2,072.25	10	2,431.13	10	2,789.92	10	3,147.82	10	3,492.81
1/4	303.28	1/4	662.34	1/4	1,012.22	1/4	1,362.78	1/4	1,720.79	1/4	2,079.73	1/4	2,438.60	1/4	2,797.39	1/4	3,155.25	1/4	3,496.82
1/2	310.76	1/2	669.82	1/2	1,019.36	1/2	1,370.20	1/2	1,728.27	1/2	2,087.21	1/2	2,446.08	1/2	2,804.85	1/2	3,162.67	1/2	3,500.84
3/4	318.24	3/4	677.30	3/4	1,026.51	3/4	1,377.62	3/4	1,735.74	3/4	2,094.68	3/4	2,453.56	3/4	2,812.31	3/4	3,170.10	3/4	3,504.86
11	325.72	11	684.78	11	1,033.65	11	1,385.03	11	1,743.22	11	2,102.16	11	2,461.03	11	2,819.77	11	3,177.53	11	3,508.88
1/4	333.20	1/4	692.26	1/4	1,040.79	1/4	1,392.45	1/4	1,750.70	1/4	2,109.64	1/4	2,468.51	1/4	2,827.24	1/4	3,184.96	1/4	3,512.89
1/2	340.68	1/2	699.74	1/2	1,047.94	1/2	1,399.87	1/2	1,758.18	1/2	2,117.11	1/2	2,475.99	1/2	2,834.70	1/2	3,192.39	1/2	3,516.91
3/4	348.16	3/4	707.22	3/4	1,055.08	3/4	1,407.28	3/4	1,765.66	3/4	2,124.59	3/4	2,483.46	3/4	2,842.16	3/4	3,199.82	3/4	3,520.93

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 4" DIAMETER STANDPIPE.
 GAUGE POINT: (4" PIPE) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CTC 30111"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "NICHOLAS RAY"

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,524.94	0	3,717.76	0	3,910.59	0	4,103.41	0	4,295.46	0		0		0		0		0	
1/4	3,528.96	1/4	3,721.78	1/4	3,914.60	1/4	4,107.42	1/4	4,299.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,532.98	1/2	3,725.80	1/2	3,918.62	1/2	4,111.44	1/2	4,303.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,536.99	3/4	3,729.82	3/4	3,922.64	3/4	4,115.46	3/4	4,307.35	3/4		3/4		3/4		3/4		3/4	
1	3,541.01	1	3,733.83	1	3,926.65	1	4,119.47	1	4,311.31	1		1		1		1		1	
1/4	3,545.03	1/4	3,737.85	1/4	3,930.67	1/4	4,123.48	1/4	4,315.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,549.05	1/2	3,741.87	1/2	3,934.69	1/2	4,127.48	1/2	4,319.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,553.06	3/4	3,745.88	3/4	3,938.70	3/4	4,131.49	3/4	4,323.21	3/4		3/4		3/4		3/4		3/4	
2	3,557.08	2	3,749.90	2	3,942.72	2	4,135.49	2	4,327.17	2		2		2		2		2	
1/4	3,561.10	1/4	3,753.92	1/4	3,946.74	1/4	4,139.49	1/4	4,331.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,565.11	1/2	3,757.94	1/2	3,950.76	1/2	4,143.50	1/2	4,335.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,569.13	3/4	3,761.95	3/4	3,954.77	3/4	4,147.50	3/4	4,339.06	3/4		3/4		3/4		3/4		3/4	
3	3,573.15	3	3,765.97	3	3,958.79	3	4,151.50	3	4,343.03	3		3		3		3		3	
1/4	3,577.17	1/4	3,769.99	1/4	3,962.81	1/4	4,155.50	1/4	4,346.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,581.18	1/2	3,774.00	1/2	3,966.82	1/2	4,159.51	1/2	4,350.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,585.20	3/4	3,778.02	3/4	3,970.84	3/4	4,163.51	3/4	4,354.92	3/4		3/4		3/4		3/4		3/4	
4	3,589.22	4	3,782.04	4	3,974.86	4	4,167.51	4	4,358.88	4		4		4		4		4	
1/4	3,593.23	1/4	3,786.06	1/4	3,978.88	1/4	4,171.51	1/4	4,362.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,597.25	1/2	3,790.07	1/2	3,982.89	1/2	4,175.52	1/2	4,366.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,601.27	3/4	3,794.09	3/4	3,986.91	3/4	4,179.52	3/4	4,370.78	3/4		3/4		3/4		3/4		3/4	
5	3,605.29	5	3,798.11	5	3,990.93	5	4,183.52	5	4,374.74	5		5		5		5		5	
1/4	3,609.30	1/4	3,802.12	1/4	3,994.94	1/4	4,187.52	1/4	4,378.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,613.32	1/2	3,806.14	1/2	3,998.96	1/2	4,191.53	1/2	4,381.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,617.34	3/4	3,810.16	3/4	4,002.98	3/4	4,195.53	3/4	4,385.00	3/4		3/4		3/4		3/4		3/4	
6	3,621.35	6	3,814.17	6	4,007.00	6	4,199.53	6	4,388.41	6		6		6		6		6	
1/4	3,625.37	1/4	3,818.19	1/4	4,011.01	1/4	4,203.53	1/4	4,390.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,629.39	1/2	3,822.21	1/2	4,015.03	1/2	4,207.54	1/2	4,392.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,633.41	3/4	3,826.23	3/4	4,019.05	3/4	4,211.54	3/4	4,395.16	3/4		3/4		3/4		3/4		3/4	
7	3,637.42	7	3,830.24	7	4,023.06	7	4,215.54	7	4,397.41	7		7		7		7		7	
1/4	3,641.44	1/4	3,834.26	1/4	4,027.08	1/4	4,219.54	1/4	4,398.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,645.46	1/2	3,838.28	1/2	4,031.10	1/2	4,223.55	1/2	4,399.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,649.47	3/4	3,842.29	3/4	4,035.12	3/4	4,227.55	3/4	4,400.44	3/4		3/4		3/4		3/4		3/4	
8	3,653.49	8	3,846.31	8	4,039.13	8	4,231.55	8	4,401.45	8		8		8		8		8	
1/4	3,657.51	1/4	3,850.33	1/4	4,043.15	1/4	4,235.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,661.53	1/2	3,854.35	1/2	4,047.17	1/2	4,239.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,665.54	3/4	3,858.36	3/4	4,051.18	3/4	4,243.56	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,669.56	9	3,862.38	9	4,055.20	9	4,247.56	9		9		9		9		9		9	
1/4	3,673.58	1/4	3,866.40	1/4	4,059.22	1/4	4,251.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,677.59	1/2	3,870.41	1/2	4,063.24	1/2	4,255.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,681.61	3/4	3,874.43	3/4	4,067.25	3/4	4,259.57	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,685.63	10	3,878.45	10	4,071.27	10	4,263.57	10		10		10		10		10		10	
1/4	3,689.64	1/4	3,882.47	1/4	4,075.29	1/4	4,267.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.66	1/2	3,886.48	1/2	4,079.30	1/2	4,271.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,697.68	3/4	3,890.50	3/4	4,083.32	3/4	4,275.58	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,701.70	11	3,894.52	11	4,087.34	11	4,279.58	11		11		11		11		11		11	
1/4	3,705.71	1/4	3,898.53	1/4	4,091.35	1/4	4,283.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,709.73	1/2	3,902.55	1/2	4,095.37	1/2	4,287.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,713.75	3/4	3,906.57	3/4	4,099.39	3/4	4,291.49	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 09/26/2012 CL - SW
CALCULATED: 09/26/2012 CL
NAME CHANGE: 03/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "CTC 30111"

INNAGE TRIM TABLE
FORMERLY "NICHOLAS RAY"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
1 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
2 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
3 PORT	- 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
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 - 00-1/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 253'-03"

March 29, 2023

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