BARGE "DBL 313"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
3 PORT	- 00-5/8	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 - 00-1/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8'

LENGTH BETWEEN DRAFT MARKS: 252'-09"

August 14, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net

BARGE "DBL 313"

1 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.43	0	356.09	0	718.24	0	1,081.43	0	1,444.60	0	1,808.03	0	2,171.46	0	2,534.88	0	2,898.22	0	3,261.51
1/4	25.68	1/4	363.51	1/4	725.82	1/4	1,088.99	1/4	1,452.17	1/4	1,815.60	1/4	2,179.03	1/4	2,542.46	1/4	2,905.79	1/4	3,269.08
1/2	29.92	1/2	370.93	1/2	733.39	1/2	1,096.54	1/2	1,459.75	1/2	1,823.17	1/2	2,186.60	1/2	2,550.03	1/2	2,913.36	1/2	3,276.65
3/4	34.17	3/4	378.36	3/4	740.96	3/4	1,104.10	3/4	1,467.32	3/4	1,830.74	3/4	2,194.17	3/4	2,557.60	3/4	2,920.93	3/4	3,284.22
1	38.41	1	385.78	1	748.53	1	1,111.66	1	1,474.89	1	1,838.32	1	2,201.74	1	2,565.17	1	2,928.50	1	3,291.79
1/4	43.92	1/4	393.20	1/4	756.10	1/4	1,119.22	1/4	1,482.46	1/4	1,845.89	1/4	2,209.31	1/4	2,572.74	1/4	2,936.06	1/4	3,299.36
1/2	49.42	1/2	400.63	1/2	763.67	1/2	1,126.78	1/2	1,490.03	1/2	1,853.46	1/2	2,216.89	1/2	2,580.31	1/2	2,943.63	1/2	3,306.93
3/4	54.93	3/4	408.05	3/4	771.24	3/4	1,134.34	3/4	1,497.60	3/4	1,861.03	3/4	2,224.46	3/4	2,587.88	3/4	2,951.20	3/4	3,314.49
2	60.43	2	415.47	2	778.81	2	1,141.90	2	1,505.17	2	1,868.60	2	2,232.03	2	2,595.46	2	2,958.77	2	3,322.06
1/4	67.20	1/4	423.03	1/4	786.38	1/4	1,149.46	1/4	1,512.75	1/4	1,876.17	1/4	2,239.60	1/4	2,603.03	1/4	2,966.34	1/4	3,329.63
1/2	73.97	1/2	430.58	1/2	793.96	1/2	1,157.02	1/2	1,520.32	1/2	1,883.74	1/2	2,247.17	1/2	2,610.60	1/2	2,973.91	1/2	3,337.20
3/4	80.73	3/4	438.13	3/4	801.53	3/4	1,164.58	3/4	1,527.89	3/4	1,891.32	3/4	2,254.74	3/4	2,618.17	3/4	2,981.48	3/4	3,344.77
3	87.50	3	445.68	3	809.10	3	1,172.14	3	1,535.46	3	1,898.89	3	2,262.31	3	2,625.74	3	2,989.04	3	3,352.34
1/4	94.98	1/4	453.26	1/4	816.67	1/4	1,179.69	1/4	1,543.03	1/4	1,906.46	1/4	2,269.89	1/4	2,633.31	1/4	2,996.61	1/4	3,359.91
1/2	102.46	1/2	460.83	1/2	824.24	1/2	1,187.25	1/2	1,550.60	1/2	1,914.03	1/2	2,277.46	1/2	2,640.88	1/2	3,004.18	1/2	3,367.47
3/4	109.93	3/4	468.40	3/4	831.81	3/4	1,194.81	3/4	1,558.17	3/4	1,921.60	3/4	2,285.03	3/4	2,648.45	3/4	3,011.75	3/4	3,375.04
4	117.41	4	475.97	4	839.38	4	1,202.37	4	1,565.75	4	1,929.17	4	2,292.60	4	2,656.03	4	3,019.32	4	3,382.61
1/4	124.97	1/4	483.54	1/4	846.95	1/4	1,209.93	1/4	1,573.32	1/4	1,936.74	1/4	2,300.17	1/4	2,663.59	1/4	3,026.89	1/4	3,390.18
1/2	132.52	1/2	491.11	1/2	854.52	1/2	1,217.49	1/2	1,580.89	1/2	1,944.32	1/2	2,307.74	1/2	2,671.16	1/2	3,034.46	1/2	3,397.75
3/4	140.08	3/4	498.68	3/4	862.09	3/4	1,225.05	3/4	1,588.46	3/4	1,951.89	3/4	2,315.31	3/4	2,678.73	3/4	3,042.02	3/4	3,405.32
5	147.64	5	506.25	5	869.67	5	1,232.61	5	1,596.03	5	1,959.46	5	2,322.89	5	2,686.30	5	3,049.59	5	3,412.89
1/4	155.19	1/4	513.82	1/4	877.24	1/4	1,240.18	1/4	1,603.60	1/4	1,967.03	1/4	2,330.46	1/4	2,693.87	1/4	3,057.16	1/4	3,420.45
1/2	162.75	1/2	521.40	1/2	884.81	1/2	1,247.75	1/2	1,611.17	1/2	1,974.60	1/2	2,338.03	1/2	2,701.44	1/2	3,064.73	1/2	3,428.02
3/4	170.31	3/4	528.97	3/4	892.38	3/4	1,255.32	3/4	1,618.75	3/4	1,982.17	3/4	2,345.60	3/4	2,709.01	3/4	3,072.30	3/4	3,435.59
6	177.86	6	536.54	6	899.95	6	1,262.89	6	1,626.32	6	1,989.74	6	2,353.17	6	2,716.57	6	3,079.87	6	3,443.16
1/4	185.30	1/4	544.11	1/4	907.52	1/4	1,270.46	1/4	1,633.89	1/4	1,997.32	1/4	2,360.74	1/4	2,724.14	1/4	3,087.44	1/4	3,450.73
1/2	192.74	1/2	551.68	1/2	915.09	1/2	1,278.03	1/2	1,641.46	1/2	2,004.89	1/2	2,368.31	1/2	2,731.71	1/2	3,095.00	1/2	3,458.30
3/4	200.18	3/4	559.25	3/4	922.66	3/4	1,285.60	3/4	1,649.03	3/4	2,012.46	3/4	2,375.89	3/4	2,739.28	3/4	3,102.57	3/4	3,465.87
7	207.62	7	566.82	7	930.23	7	1,293.18	7	1,656.60	7	2,020.03	7	2,383.46	7	2,746.85	7	3,110.14	7	3,473.43
1/4	215.05	1/4	574.39	1/4	937.80	1/4	1,300.75	1/4	1,664.17	1/4	2,027.60	1/4	2,391.03	1/4	2,754.42	1/4	3,117.71	1/4	3,481.00
1/2	222.47	1/2	581.96	1/2	945.36	1/2	1,308.32	1/2	1,671.75	1/2	2,035.17	1/2	2,398.60	1/2	2,761.99	1/2	3,125.28	1/2	3,488.57
3/4	229.89	3/4	589.54	3/4	952.92	3/4	1,315.89	3/4	1,679.32	3/4	2,042.74	3/4	2,406.17	3/4	2,769.55	3/4	3,132.85	3/4	3,496.14
8	237.32	8	597.11	8	960.48	8	1,323.46	8	1,686.89	8	2,050.32	8	2,413.74	8	2,777.12	8	3,140.42	8	3,503.71
1/4	244.74	1/4	604.68	1/4	968.04	1/4	1,331.03	1/4	1,694.46	1/4	2,057.89	1/4	2,421.31	1/4	2,784.69	1/4	3,147.98	1/4	3,511.28
1/2	252.16	1/2	612.25	1/2	975.60	1/2	1,338.60	1/2	1,702.03	1/2	2,065.46	1/2	2,428.89	1/2	2,792.26	1/2	3,155.55	1/2	3,518.85
3/4	259.58	3/4	619.82	3/4	983.16	3/4	1,346.18	3/4	1,709.60	3/4	2,073.03	3/4	2,436.46	3/4	2,799.83	3/4	3,163.12	3/4	3,526.42
9	267.01	9	627.39	9	990.72	9	1,353.75	9	1,717.17	9	2,080.60	9	2,444.03	9	2,807.40	9	3,170.69	9	3,533.98
1/4	274.43	1/4	634.96	1/4	998.28	1/4	1,361.32	1/4	1,724.75	1/4	2,088.17	1/4	2,451.60	1/4	2,814.97	1/4	3,178.26	1/4	3,541.55
1/2	281.85	1/2	642.53	1/2	1,005.84	1/2	1,368.89	1/2	1,732.32	1/2	2,095.74	1/2	2,459.17	1/2	2,822.54	1/2	3,185.83	1/2	3,549.12
3/4	289.28	3/4	650.10	3/4	1,013.39	3/4	1,376.46	3/4	1,739.89	3/4	2,103.32	3/4	2,466.74	3/4	2,830.10	3/4	3,193.40	3/4	3,556.69
10	296.70	10	657.68	10	1,020.95	10	1,384.03	10	1,747.46	10	2,110.89	10	2,474.31	10	2,837.67	10	3,200.97	10	3,564.26
1/4	304.12	1/4	665.25	1/4	1,028.51	1/4	1,391.60	1/4	1,755.03	1/4	2,118.46	1/4	2,481.88	1/4	2,845.24	1/4	3,208.53	1/4	3,571.83
1/2	311.55	1/2	672.82	1/2	1,036.07	1/2	1,399.17	1/2	1,762.60	1/2	2,126.03	1/2	2,489.46	1/2	2,852.81	1/2	3,216.10	1/2	3,579.40
3/4	318.97	3/4	680.39	3/4	1,043.63	3/4	1,406.75	3/4	1,770.17	3/4	2,133.60	3/4	2,497.03	3/4	2,860.38	3/4	3,223.67	3/4	3,586.96
11	326.39	11	687.96	11	1,051.19	11	1,414.32	11	1,777.74	11	2,141.17	11	2,504.60	11	2,867.95	11	3,231.24	11	3,594.53
1/4	333.82	1/4	695.53	1/4	1,058.75	1/4	1,421.89	1/4	1,785.32	1/4	2,148.74	1/4	2,512.17	1/4	2,875.52	1/4	3,238.81	1/4	3,602.10
1/2	341.24	1/2	703.10	1/2	1,066.31	1/2	1,429.46	1/2	1,792.89	1/2	2,156.31	1/2	2,519.74	1/2	2,883.08	1/2	3,246.38	1/2	3,609.67
3/4	348.66	3/4	710.67	3/4	1,073.87	3/4	1,437.03	3/4	1,800.46	3/4	2,163.89	3/4	2,527.31	3/4	2,890.65	3/4	3,253.95	3/4	3,617.24

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "DBL 313"

1 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,624.81	0	3,988.10	0	4,350.71	0	4,699.86	0	5,030.67	0		0		0		0		0	
1/4	3,632.38	1/4	3,995.67	1/4	4,358.16	1/4	4,706.93	1/4	5,038.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,639.94	1/2	4,003.24	1/2	4,365.61	1/2	4,713.99	1/2	5,045.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.51	3/4	4,010.81	3/4	4,373.05	3/4	4,721.06	3/4	5,052.92	3/4		3/4		3/4		3/4		3/4	
1	3,655.08	1	4,018.37	1	4,380.50	1	4,728.13	1	5,060.34	1		1		1		1		1	
1/4	3,662.65	1/4	4,025.94	1/4	4,387.92	1/4	4,735.14	1/4	5,067.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.22	1/2	4,033.51	1/2	4,395.34	1/2	4,742.14	1/2	5,075.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,677.79	3/4	4,041.08	3/4	4,402.76	3/4	4,749.15	3/4	5,082.75	3/4		3/4		3/4		3/4		3/4	
2	3,685.36	2	4,048.65	2	4,410.17	2	4,756.16	2	5,090.22	2		2		2		2		2	
1/4	3,692.92	1/4	4,056.22	1/4	4,417.56	1/4	4,763.13	1/4	5,097.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,700.49	1/2	4,063.79	1/2	4,424.95	1/2	4,770.11	1/2	5,105.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,708.06	3/4	4,071.35	3/4	4,432.34	3/4	4,777.08	3/4	5,112.63	3/4		3/4		3/4		3/4		3/4	
3	3,715.63	3	4,078.92	3	4,439.73	3	4,784.05	3	5,120.10	3		3		3		3		3	
1/4	3,723.20	1/4	4,086.49	1/4	4,447.08	1/4	4,791.00	1/4	5,127.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,730.77	1/2	4,094.06	1/2	4,454.43	1/2	4,797.94	1/2	5,135.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,738.34	3/4	4,101.63	3/4	4,461.79	3/4	4,804.88	3/4	5,142.51	3/4		3/4		3/4		3/4		3/4	
4	3,745.90	4	4,109.20	4	4,469.14	4	4,811.82	4	5,149.98	4		4		4		4		4	
1/4	3,753.47	1/4	4,116.77	1/4	4,476.46	1/4	4,818.73	1/4	5,157.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,761.04	1/2	4,124.33	1/2	4,483.78	1/2	4,825.64	1/2	5,164.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,768.61	3/4	4,131.90	3/4	4,491.10	3/4	4,832.55	3/4	5,172.39	3/4		3/4		3/4		3/4		3/4	
5	3,776.18	5	4,139.47	5	4,498.42	5	4,839.46	5	5,179.86	5		5		5		5		5	
1/4	3,783.75	1/4	4,147.04	1/4	4,505.71	1/4	4,846.34	1/4	5,187.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,791.32	1/2	4,154.61	1/2	4,513.00	1/2	4,853.22	1/2	5,194.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,798.88	3/4	4,162.18	3/4	4,520.29	3/4	4,860.09	3/4	5,201.86	3/4		3/4		3/4		3/4		3/4	
6	3,806.45	6	4,169.75	6	4,527.58	6	4,866.97	6	5,209.19	6		6		6		6		6	
1/4	3,814.02	1/4	4,177.31	1/4	4,534.84	1/4	4,873.81	1/4	5,215.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,821.59	1/2	4,184.88	1/2	4,542.10	1/2	4,880.66	1/2	5,221.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,829.16	3/4	4,192.45	3/4	4,549.36	3/4	4,887.50	3/4	5,228.23	3/4		3/4		3/4		3/4		3/4	
7	3,836.73	7	4,200.02	7	4,556.62	7	4,894.35	7	5,234.58	7		7		7		7		7	
1/4	3,844.30	1/4	4,207.59	1/4	4,563.84	1/4	4,901.16	1/4	5,239.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,851.86	1/2	4,215.16	1/2	4,571.07	1/2	4,907.98	1/2	5,244.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,859.43	3/4	4,222.73	3/4	4,578.29	3/4	4,914.79	3/4	5,249.96	3/4		3/4		3/4		3/4		3/4	
8	3,867.00	8	4,230.29	8	4,585.52	8	4,921.61	8	5,255.09	8		8		8		8		8	
1/4	3,874.57	1/4	4,237.86	1/4	4,592.71	1/4	4,928.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,882.14	1/2	4,245.43	1/2	4,599.90	1/2	4,935.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.71	3/4	4,253.00	3/4	4,607.10	3/4	4,941.96	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,897.28	9	4,260.56	9	4,614.29	9	4,948.75	9		9		9		9		9		9	
1/4	3,904.85	1/4	4,268.11	1/4	4,621.45	1/4	4,955.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,912.41	1/2	4,275.65	1/2	4,628.61	1/2	4,962.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,919.98	3/4	4,283.20	3/4	4,635.77	3/4	4,969.01	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,927.55	10	4,290.74	10	4,642.93	10	4,975.76	10		10		10		10		10		10	
1/4	3,935.12	1/4	4,298.26	1/4	4,650.06	1/4	4,982.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,942.69	1/2	4,305.77	1/2	4,657.19	1/2	4,989.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,950.26	3/4	4,313.28	3/4	4,664.32	3/4	4,995.92	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,957.83	11	4,320.80	11	4,671.46	11	5,002.64	11		11		11		11		11		11	
1/4	3,965.39	1/4	4,328.27	1/4	4,678.56	1/4	5,009.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,972.96	1/2	4,335.75	1/2	4,685.66	1/2	5,016.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,980.53	3/4	4,343.23	3/4	4,692.76	3/4	5,023.66	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/14/2019 SW JS
CALCULATED: 08/14/2019 CL
PRINTED: 08/14/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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

BARGE "DBL 313"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.39	0	355.31	0	716.69	0	1,078.15	0	1,439.58	0	1,802.22	0	2,164.86	0	2,527.50	0	2,889.85	0	3,252.35
1/4	25.62	1/4	362.72	1/4	724.24	1/4	1,085.66	1/4	1,447.13	1/4	1,809.77	1/4	2,172.41	1/4	2,535.05	1/4	2,897.40	1/4	3,259.90
1/2	29.86	1/2	370.13	1/2	731.80	1/2	1,093.16	1/2	1,454.69	1/2	1,817.33	1/2	2,179.97	1/2	2,542.61	1/2	2,904.95	1/2	3,267.46
3/4	34.09	3/4	377.54	3/4	739.35	3/4	1,100.66	3/4	1,462.24	3/4	1,824.88	3/4	2,187.52	3/4	2,550.16	3/4	2,912.50	3/4	3,275.01
1	38.33	1	384.94	1	746.90	1	1,108.17	1	1,469.80	1	1,832.44	1	2,195.08	1	2,557.72	1	2,920.05	1	3,282.56
1/4	43.82	1/4	392.35	1/4	754.46	1/4	1,115.67	1/4	1,477.35	1/4	1,839.99	1/4	2,202.63	1/4	2,565.27	1/4	2,927.61	1/4	3,290.11
1/2	49.32	1/2	399.76	1/2	762.01	1/2	1,123.17	1/2	1,484.91	1/2	1,847.55	1/2	2,210.19	1/2	2,572.83	1/2	2,935.16	1/2	3,297.66
3/4	54.81	3/4	407.16	3/4	769.57	3/4	1,130.68	3/4	1,492.46	3/4	1,855.10	3/4	2,217.74	3/4	2,580.38	3/4	2,942.71	3/4	3,305.22
2	60.30	2	414.57	2	777.12	2	1,138.18	2	1,500.02	2	1,862.66	2	2,225.30	2	2,587.94	2	2,950.26	2	3,312.77
1/4	67.05	1/4	422.11	1/4	784.68	1/4	1,145.68	1/4	1,507.57	1/4	1,870.21	1/4	2,232.85	1/4	2,595.49	1/4	2,957.82	1/4	3,320.32
1/2	73.81	1/2	429.64	1/2	792.23	1/2	1,153.19	1/2	1,515.13	1/2	1,877.77	1/2	2,240.41	1/2	2,603.05	1/2	2,965.37	1/2	3,327.87
3/4	80.56	3/4	437.18	3/4	799.79	3/4	1,160.69	3/4	1,522.68	3/4	1,885.32	3/4	2,247.96	3/4	2,610.60	3/4	2,972.92	3/4	3,335.43
3	87.31	3	444.72	3	807.34	3	1,168.19	3	1,530.24	3	1,892.88	3	2,255.52	3	2,618.16	3	2,980.47	3	3,342.98
1/4	94.77	1/4	452.27	1/4	814.90	1/4	1,175.70	1/4	1,537.79	1/4	1,900.43	1/4	2,263.07	1/4	2,625.71	1/4	2,988.02	1/4	3,350.53
1/2	102.23	1/2	459.83	1/2	822.45	1/2	1,183.20	1/2	1,545.35	1/2	1,907.99	1/2	2,270.63	1/2	2,633.26	1/2	2,995.58	1/2	3,358.08
3/4	109.70	3/4	467.38	3/4	830.01	3/4	1,190.70	3/4	1,552.90	3/4	1,915.54	3/4	2,278.18	3/4	2,640.82	3/4	3,003.13	3/4	3,365.63
4	117.16	4	474.94	4	837.56	4	1,198.21	4	1,560.46	4	1,923.10	4	2,285.74	4	2,648.37	4	3,010.68	4	3,373.19
1/4	124.70	1/4	482.49	1/4	845.12	1/4	1,205.71	1/4	1,568.01	1/4	1,930.65	1/4	2,293.29	1/4	2,655.91	1/4	3,018.23	1/4	3,380.74
1/2	132.24	1/2	490.04	1/2	852.67	1/2	1,213.21	1/2	1,575.57	1/2	1,938.21	1/2	2,300.85	1/2	2,663.45	1/2	3,025.79	1/2	3,388.29
3/4	139.78	3/4	497.60	3/4	860.23	3/4	1,220.72	3/4	1,583.12	3/4	1,945.76	3/4	2,308.40	3/4	2,671.00	3/4	3,033.34	3/4	3,395.84
5	147.32	5	505.15	5	867.78	5	1,228.22	5	1,590.68	5	1,953.32	5	2,315.96	5	2,678.54	5	3,040.89	5	3,403.40
1/4	154.86	1/4	512.71	1/4	875.33	1/4	1,235.73	1/4	1,598.23	1/4	1,960.87	1/4	2,323.51	1/4	2,686.08	1/4	3,048.44	1/4	3,410.95
1/2	162.40	1/2	520.26	1/2	882.89	1/2	1,243.25	1/2	1,605.79	1/2	1,968.43	1/2	2,331.07	1/2	2,693.62	1/2	3,055.99	1/2	3,418.50
3/4	169.94	3/4	527.82	3/4	890.44	3/4	1,250.76	3/4	1,613.34	3/4	1,975.98	3/4	2,338.62	3/4	2,701.16	3/4	3,063.55	3/4	3,426.05
6	177.48	6	535.37	6	898.00	6	1,258.28	6	1,620.90	6	1,983.54	6	2,346.18	6	2,708.70	6	3,071.10	6	3,433.60
1/4	184.90	1/4	542.93	1/4	905.52	1/4	1,265.83	1/4	1,628.45	1/4	1,991.09	1/4	2,353.73	1/4	2,716.24	1/4	3,078.65	1/4	3,441.16
1/2	192.32	1/2	550.48	1/2	913.04	1/2	1,273.38	1/2	1,636.01	1/2	1,998.65	1/2	2,361.29	1/2	2,723.78	1/2	3,086.20	1/2	3,448.71
3/4	199.75	3/4	558.04	3/4	920.56	3/4	1,280.93	3/4	1,643.56	3/4	2,006.20	3/4	2,368.84	3/4	2,731.32	3/4	3,093.76	3/4	3,456.26
7	207.17	7	565.59	7	928.08	7	1,288.48	7	1,651.12	7	2,013.76	7	2,376.40	7	2,738.86	7	3,101.31	7	3,463.81
1/4	214.58	1/4	573.15	1/4	935.59	1/4	1,296.03	1/4	1,658.67	1/4	2,021.31	1/4	2,383.95	1/4	2,746.40	1/4	3,108.86	1/4	3,471.37
1/2	221.99	1/2	580.70	1/2	943.09	1/2	1,303.59	1/2	1,666.23	1/2	2,028.87	1/2	2,391.51	1/2	2,753.94	1/2	3,116.41	1/2	3,478.92
3/4	229.39	3/4	588.26	3/4	950.60	3/4	1,311.14	3/4	1,673.78	3/4	2,036.42	3/4	2,399.06	3/4	2,761.48	3/4	3,123.96	3/4	3,486.47
8	236.80	8	595.81	8	958.10	8	1,318.70	8	1,681.34	8	2,043.98	8	2,406.62	8	2,769.02	8	3,131.52	8	3,494.02
1/4	244.21	1/4	603.37	1/4	965.60	1/4	1,326.25	1/4	1,688.89	1/4	2,051.53	1/4	2,414.17	1/4	2,776.57	1/4	3,139.07	1/4	3,501.57
1/2	251.61	1/2	610.92	1/2	973.11	1/2	1,333.81	1/2	1,696.45	1/2	2,059.09	1/2	2,421.73	1/2	2,784.12	1/2	3,146.62	1/2	3,509.13
3/4	259.02	3/4	618.47	3/4	980.61	3/4	1,341.36	3/4	1,704.00	3/4	2,066.64	3/4	2,429.28	3/4	2,791.67	3/4	3,154.17	3/4	3,516.68
9	266.43	9	626.03	9	988.11	9	1,348.92	9	1,711.56	9	2,074.20	9	2,436.84	9	2,799.22	9	3,161.73	9	3,524.23
1/4	273.84	1/4	633.58	1/4	995.62	1/4	1,356.47	1/4	1,719.11	1/4	2,081.75	1/4	2,444.39	1/4	2,806.77	1/4	3,169.28	1/4	3,531.78
1/2	281.24	1/2	641.14	1/2	1,003.12	1/2	1,364.03	1/2	1,726.67	1/2	2,089.31	1/2	2,451.95	1/2	2,814.32	1/2	3,176.83	1/2	3,539.34
3/4	288.65	3/4	648.69	3/4	1,010.62	3/4	1,371.58	3/4	1,734.22	3/4	2,096.86	3/4	2,459.50	3/4	2,821.88	3/4	3,184.38	3/4	3,546.89
10	296.06	10	656.25	10	1,018.13	10	1,379.14	10	1,741.78	10	2,104.42	10	2,467.06	10	2,829.43	10	3,191.93	10	3,554.44
1/4	303.46	1/4	663.80	1/4	1,025.63	1/4	1,386.69	1/4	1,749.33	1/4	2,111.97	1/4	2,474.61	1/4	2,836.98	1/4	3,199.49	1/4	3,561.99
1/2	310.87	1/2	671.36	1/2	1,033.13	1/2	1,394.25	1/2	1,756.89	1/2	2,119.53	1/2	2,482.17	1/2	2,844.53	1/2	3,207.04	1/2	3,569.54
3/4	318.28	3/4	678.91	3/4	1,040.64	3/4	1,401.80	3/4	1,764.44	3/4	2,127.08	3/4	2,489.72	3/4	2,852.08	3/4	3,214.59	3/4	3,577.10
11	325.69	11	686.47	11	1,048.14	11	1,409.36	11	1,772.00	11	2,134.64	11	2,497.28	11	2,859.64	11	3,222.14	11	3,584.65
1/4	333.09	1/4	694.02	1/4	1,055.64	1/4	1,416.91	1/4	1,779.55	1/4	2,142.19	1/4	2,504.83	1/4	2,867.19	1/4	3,229.69	1/4	3,592.20
1/2	340.50	1/2	701.58	1/2	1,063.15	1/2	1,424.47	1/2	1,787.11	1/2	2,149.75	1/2	2,512.39	1/2	2,874.74	1/2	3,237.25	1/2	3,599.75
3/4	347.91	3/4	709.13	3/4	1,070.65	3/4	1,432.02	3/4	1,794.66	3/4	2,157.30	3/4	2,519.94	3/4	2,882.29	3/4	3,244.80	3/4	3,607.30

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

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

BARGE "DBL 313"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,614.86	0	3,977.36	0	4,339.18	0	4,687.57	0	5,017.65	0		0		0		0		0	
1/4	3,622.41	1/4	3,984.91	1/4	4,346.62	1/4	4,694.62	1/4	5,025.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,629.96	1/2	3,992.47	1/2	4,354.05	1/2	4,701.67	1/2	5,032.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,637.51	3/4	4,000.02	3/4	4,361.48	3/4	4,708.73	3/4	5,039.86	3/4		3/4		3/4		3/4		3/4	
1	3,645.07	1	4,007.57	1	4,368.91	1	4,715.78	1	5,047.26	1		1		1		1		1	
1/4	3,652.62	1/4	4,015.12	1/4	4,376.31	1/4	4,722.77	1/4	5,054.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,660.17	1/2	4,022.68	1/2	4,383.71	1/2	4,729.76	1/2	5,062.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,667.72	3/4	4,030.23	3/4	4,391.12	3/4	4,736.76	3/4	5,069.62	3/4		3/4		3/4		3/4		3/4	
2	3,675.27	2	4,037.78	2	4,398.52	2	4,743.75	2	5,077.08	2		2		2		2		2	
1/4	3,682.83	1/4	4,045.33	1/4	4,405.89	1/4	4,750.71	1/4	5,084.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,690.38	1/2	4,052.88	1/2	4,413.26	1/2	4,757.66	1/2	5,091.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,697.93	3/4	4,060.44	3/4	4,420.63	3/4	4,764.62	3/4	5,099.44	3/4		3/4		3/4		3/4		3/4	
3	3,705.48	3	4,067.99	3	4,428.00	3	4,771.58	3	5,106.89	3		3		3		3		3	
1/4	3,713.04	1/4	4,075.54	1/4	4,435.34	1/4	4,778.51	1/4	5,114.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,720.59	1/2	4,083.09	1/2	4,442.68	1/2	4,785.44	1/2	5,121.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,728.14	3/4	4,090.65	3/4	4,450.02	3/4	4,792.36	3/4	5,129.25	3/4		3/4		3/4		3/4		3/4	
4	3,735.69	4	4,098.20	4	4,457.36	4	4,799.29	4	5,136.71	4		4		4		4		4	
1/4	3,743.24	1/4	4,105.75	1/4	4,464.66	1/4	4,806.19	1/4	5,144.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,750.80	1/2	4,113.30	1/2	4,471.97	1/2	4,813.08	1/2	5,151.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,758.35	3/4	4,120.85	3/4	4,479.27	3/4	4,819.98	3/4	5,159.07	3/4		3/4		3/4		3/4		3/4	
5	3,765.90	5	4,128.41	5	4,486.57	5	4,826.87	5	5,166.52	5		5		5		5		5	
1/4	3,773.45	1/4	4,135.96	1/4	4,493.85	1/4	4,833.73	1/4	5,173.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,781.01	1/2	4,143.51	1/2	4,501.12	1/2	4,840.59	1/2	5,181.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,788.56	3/4	4,151.06	3/4	4,508.39	3/4	4,847.45	3/4	5,188.47	3/4		3/4		3/4		3/4		3/4	
6	3,796.11	6	4,158.62	6	4,515.67	6	4,854.31	6	5,195.78	6		6		6		6		6	
1/4	3,803.66	1/4	4,166.17	1/4	4,522.91	1/4	4,861.14	1/4	5,202.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,811.21	1/2	4,173.72	1/2	4,530.15	1/2	4,867.97	1/2	5,208.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,818.77	3/4	4,181.27	3/4	4,537.40	3/4	4,874.80	3/4	5,214.78	3/4		3/4		3/4		3/4		3/4	
7	3,826.32	7	4,188.82	7	4,544.64	7	4,881.63	7	5,221.11	7		7		7		7		7	
1/4	3,833.87	1/4	4,196.38	1/4	4,551.85	1/4	4,888.43	1/4	5,226.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,841.42	1/2	4,203.93	1/2	4,559.06	1/2	4,895.23	1/2	5,231.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,848.98	3/4	4,211.48	3/4	4,566.27	3/4	4,902.03	3/4	5,236.46	3/4		3/4		3/4		3/4		3/4	
8	3,856.53	8	4,219.03	8	4,573.48	8	4,908.83	8	5,241.58	8		8		8		8		8	
1/4	3,864.08	1/4	4,226.58	1/4	4,580.66	1/4	4,915.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,871.63	1/2	4,234.13	1/2	4,587.83	1/2	4,922.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,879.18	3/4	4,241.68	3/4	4,595.01	3/4	4,929.14	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,886.74	9	4,249.23	9	4,602.19	9	4,935.91	9		9		9		9		9		9	
1/4	3,894.29	1/4	4,256.76	1/4	4,609.33	1/4	4,942.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,901.84	1/2	4,264.29	1/2	4,616.48	1/2	4,949.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,909.39	3/4	4,271.82	3/4	4,623.62	3/4	4,956.13	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,916.95	10	4,279.35	10	4,630.77	10	4,962.87	10		10		10		10		10		10	
1/4	3,924.50	1/4	4,286.84	1/4	4,637.88	1/4	4,969.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,932.05	1/2	4,294.34	1/2	4,645.00	1/2	4,976.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,939.60	3/4	4,301.84	3/4	4,652.11	3/4	4,982.98	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,947.15	11	4,309.33	11	4,659.23	11	4,989.68	11		11		11		11		11		11	
1/4	3,954.71	1/4	4,316.80	1/4	4,666.32	1/4	4,996.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,962.26	1/2	4,324.26	1/2	4,673.40	1/2	5,003.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,969.81	3/4	4,331.72	3/4	4,680.49	3/4	5,010.66	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/14/2019 SW JS
CALCULATED: 08/14/2019 CL
PRINTED: 08/14/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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

BARGE "DBL 313"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.35	0	354.71	0	715.48	0	1,077.26	0	1,439.05	0	1,801.08	0	2,163.12	0	2,525.15	0	2,887.09	0	3,249.00
1/4	25.58	1/4	362.10	1/4	723.02	1/4	1,084.79	1/4	1,446.59	1/4	1,808.62	1/4	2,170.66	1/4	2,532.69	1/4	2,894.63	1/4	3,256.54
1/2	29.81	1/2	369.50	1/2	730.56	1/2	1,092.32	1/2	1,454.13	1/2	1,816.17	1/2	2,178.20	1/2	2,540.24	1/2	2,902.17	1/2	3,264.07
3/4	34.04	3/4	376.89	3/4	738.10	3/4	1,099.85	3/4	1,461.67	3/4	1,823.71	3/4	2,185.74	3/4	2,547.78	3/4	2,909.71	3/4	3,271.61
1	38.27	1	384.29	1	745.64	1	1,107.38	1	1,469.22	1	1,831.25	1	2,193.29	1	2,555.32	1	2,917.25	1	3,279.15
1/4	43.75	1/4	391.68	1/4	753.19	1/4	1,114.91	1/4	1,476.76	1/4	1,838.79	1/4	2,200.83	1/4	2,562.86	1/4	2,924.79	1/4	3,286.69
1/2	49.23	1/2	399.08	1/2	760.73	1/2	1,122.44	1/2	1,484.30	1/2	1,846.34	1/2	2,208.37	1/2	2,570.41	1/2	2,932.33	1/2	3,294.23
3/4	54.72	3/4	406.47	3/4	768.27	3/4	1,129.97	3/4	1,491.84	3/4	1,853.88	3/4	2,215.91	3/4	2,577.95	3/4	2,939.87	3/4	3,301.77
2	60.20	2	413.86	2	775.81	2	1,137.51	2	1,499.39	2	1,861.42	2	2,223.46	2	2,585.49	2	2,947.41	2	3,309.31
1/4	66.94	1/4	421.39	1/4	783.35	1/4	1,145.04	1/4	1,506.93	1/4	1,868.96	1/4	2,231.00	1/4	2,593.03	1/4	2,954.95	1/4	3,316.85
1/2	73.68	1/2	428.91	1/2	790.90	1/2	1,152.57	1/2	1,514.47	1/2	1,876.51	1/2	2,238.54	1/2	2,600.58	1/2	2,962.49	1/2	3,324.39
3/4	80.43	3/4	436.44	3/4	798.44	3/4	1,160.10	3/4	1,522.01	3/4	1,884.05	3/4	2,246.08	3/4	2,608.12	3/4	2,970.03	3/4	3,331.93
3	87.17	3	443.96	3	805.98	3	1,167.63	3	1,529.55	3	1,891.59	3	2,253.63	3	2,615.66	3	2,977.57	3	3,339.47
1/4	94.62	1/4	451.50	1/4	813.52	1/4	1,175.16	1/4	1,537.10	1/4	1,899.13	1/4	2,261.17	1/4	2,623.20	1/4	2,985.11	1/4	3,347.01
1/2	102.06	1/2	459.04	1/2	821.06	1/2	1,182.69	1/2	1,544.64	1/2	1,906.67	1/2	2,268.71	1/2	2,630.74	1/2	2,992.65	1/2	3,354.55
3/4	109.51	3/4	466.59	3/4	828.61	3/4	1,190.22	3/4	1,552.18	3/4	1,914.22	3/4	2,276.25	3/4	2,638.28	3/4	3,000.19	3/4	3,362.09
4	116.96	4	474.13	4	836.15	4	1,197.75	4	1,559.72	4	1,921.76	4	2,283.79	4	2,645.82	4	3,007.72	4	3,369.63
1/4	124.49	1/4	481.67	1/4	843.69	1/4	1,205.28	1/4	1,567.27	1/4	1,929.30	1/4	2,291.34	1/4	2,653.36	1/4	3,015.26	1/4	3,377.17
1/2	132.02	1/2	489.21	1/2	851.23	1/2	1,212.81	1/2	1,574.81	1/2	1,936.84	1/2	2,298.88	1/2	2,660.90	1/2	3,022.80	1/2	3,384.71
3/4	139.54	3/4	496.75	3/4	858.78	3/4	1,220.34	3/4	1,582.35	3/4	1,944.39	3/4	2,306.42	3/4	2,668.44	3/4	3,030.34	3/4	3,392.25
5	147.07	5	504.30	5	866.32	5	1,227.87	5	1,589.89	5	1,951.93	5	2,313.96	5	2,675.98	5	3,037.88	5	3,399.79
1/4	154.60	1/4	511.84	1/4	873.86	1/4	1,235.41	1/4	1,597.44	1/4	1,959.47	1/4	2,321.51	1/4	2,683.52	1/4	3,045.42	1/4	3,407.33
1/2	162.13	1/2	519.38	1/2	881.40	1/2	1,242.95	1/2	1,604.98	1/2	1,967.01	1/2	2,329.05	1/2	2,691.06	1/2	3,052.96	1/2	3,414.87
3/4	169.65	3/4	526.92	3/4	888.94	3/4	1,250.49	3/4	1,612.52	3/4	1,974.56	3/4	2,336.59	3/4	2,698.60	3/4	3,060.50	3/4	3,422.41
6	177.18	6	534.47	6	896.49	6	1,258.03	6	1,620.06	6	1,982.10	6	2,344.13	6	2,706.14	6	3,068.04	6	3,429.95
1/4	184.59	1/4	542.01	1/4	904.03	1/4	1,265.57	1/4	1,627.61	1/4	1,989.64	1/4	2,351.68	1/4	2,713.68	1/4	3,075.58	1/4	3,437.49
1/2	192.00	1/2	549.55	1/2	911.57	1/2	1,273.11	1/2	1,635.15	1/2	1,997.18	1/2	2,359.22	1/2	2,721.22	1/2	3,083.12	1/2	3,445.03
3/4	199.41	3/4	557.09	3/4	919.11	3/4	1,280.66	3/4	1,642.69	3/4	2,004.73	3/4	2,366.76	3/4	2,728.76	3/4	3,090.66	3/4	3,452.57
7	206.82	7	564.63	7	926.65	7	1,288.20	7	1,650.23	7	2,012.27	7	2,374.30	7	2,736.30	7	3,098.20	7	3,460.11
1/4	214.22	1/4	572.18	1/4	934.19	1/4	1,295.74	1/4	1,657.78	1/4	2,019.81	1/4	2,381.85	1/4	2,743.84	1/4	3,105.74	1/4	3,467.65
1/2	221.61	1/2	579.72	1/2	941.72	1/2	1,303.28	1/2	1,665.32	1/2	2,027.35	1/2	2,389.39	1/2	2,751.38	1/2	3,113.28	1/2	3,475.19
3/4	229.01	3/4	587.26	3/4	949.25	3/4	1,310.83	3/4	1,672.86	3/4	2,034.90	3/4	2,396.93	3/4	2,758.91	3/4	3,120.82	3/4	3,482.73
8	236.40	8	594.80	8	956.78	8	1,318.37	8	1,680.40	8	2,042.44	8	2,404.47	8	2,766.45	8	3,128.36	8	3,490.27
1/4	243.80	1/4	602.34	1/4	964.31	1/4	1,325.91	1/4	1,687.95	1/4	2,049.98	1/4	2,412.02	1/4	2,773.99	1/4	3,135.90	1/4	3,497.81
1/2	251.19	1/2	609.89	1/2	971.84	1/2	1,333.45	1/2	1,695.49	1/2	2,057.52	1/2	2,419.56	1/2	2,781.53	1/2	3,143.44	1/2	3,505.35
3/4	258.58	3/4	617.43	3/4	979.37	3/4	1,340.99	3/4	1,703.03	3/4	2,065.07	3/4	2,427.10	3/4	2,789.07	3/4	3,150.98	3/4	3,512.88
9	265.98	9	624.97	9	986.90	9	1,348.54	9	1,710.57	9	2,072.61	9	2,434.64	9	2,796.61	9	3,158.52	9	3,520.42
1/4	273.37	1/4	632.51	1/4	994.43	1/4	1,356.08	1/4	1,718.11	1/4	2,080.15	1/4	2,442.18	1/4	2,804.15	1/4	3,166.06	1/4	3,527.96
1/2	280.77	1/2	640.05	1/2	1,001.96	1/2	1,363.62	1/2	1,725.66	1/2	2,087.69	1/2	2,449.73	1/2	2,811.69	1/2	3,173.60	1/2	3,535.50
3/4	288.16	3/4	647.60	3/4	1,009.49	3/4	1,371.16	3/4	1,733.20	3/4	2,095.23	3/4	2,457.27	3/4	2,819.23	3/4	3,181.14	3/4	3,543.04
10	295.56	10	655.14	10	1,017.02	10	1,378.71	10	1,740.74	10	2,102.78	10	2,464.81	10	2,826.77	10	3,188.68	10	3,550.58
1/4	302.95	1/4	662.68	1/4	1,024.55	1/4	1,386.25	1/4	1,748.28	1/4	2,110.32	1/4	2,472.35	1/4	2,834.31	1/4	3,196.22	1/4	3,558.12
1/2	310.34	1/2	670.22	1/2	1,032.08	1/2	1,393.79	1/2	1,755.83	1/2	2,117.86	1/2	2,479.90	1/2	2,841.85	1/2	3,203.76	1/2	3,565.66
3/4	317.74	3/4	677.76	3/4	1,039.61	3/4	1,401.33	3/4	1,763.37	3/4	2,125.40	3/4	2,487.44	3/4	2,849.39	3/4	3,211.30	3/4	3,573.20
11	325.13	11	685.31	11	1,047.14	11	1,408.88	11	1,770.91	11	2,132.95	11	2,494.98	11	2,856.93	11	3,218.84	11	3,580.74
1/4	332.53	1/4	692.85	1/4	1,054.67	1/4	1,416.42	1/4	1,778.45	1/4	2,140.49	1/4	2,502.52	1/4	2,864.47	1/4	3,226.38	1/4	3,588.28
1/2	339.92	1/2	700.39	1/2	1,062.20	1/2	1,423.96	1/2	1,786.00	1/2	2,148.03	1/2	2,510.07	1/2	2,872.01	1/2	3,233.92	1/2	3,595.82
3/4	347.32	3/4	707.93	3/4	1,069.73	3/4	1,431.50	3/4	1,793.54	3/4	2,155.57	3/4	2,517.61	3/4	2,879.55	3/4	3,241.46	3/4	3,603.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

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

BARGE "DBL 313"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,610.90	0	3,972.81	0	4,334.00	0	4,681.81	0	5,011.33	0		0		0		0		0	
1/4	3,618.44	1/4	3,980.35	1/4	4,341.42	1/4	4,688.85	1/4	5,018.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,625.98	1/2	3,987.89	1/2	4,348.84	1/2	4,695.89	1/2	5,026.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,633.52	3/4	3,995.43	3/4	4,356.26	3/4	4,702.93	3/4	5,033.50	3/4		3/4		3/4		3/4		3/4	
1	3,641.06	1	4,002.97	1	4,363.68	1	4,709.97	1	5,040.89	1		1		1		1		1	
1/4	3,648.60	1/4	4,010.51	1/4	4,371.07	1/4	4,716.95	1/4	5,048.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,656.14	1/2	4,018.04	1/2	4,378.46	1/2	4,723.93	1/2	5,055.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,663.68	3/4	4,025.58	3/4	4,385.85	3/4	4,730.91	3/4	5,063.21	3/4		3/4		3/4		3/4		3/4	
2	3,671.22	2	4,033.12	2	4,393.24	2	4,737.89	2	5,070.65	2		2		2		2		2	
1/4	3,678.76	1/4	4,040.66	1/4	4,400.59	1/4	4,744.83	1/4	5,078.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,686.30	1/2	4,048.20	1/2	4,407.95	1/2	4,751.78	1/2	5,085.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,693.84	3/4	4,055.74	3/4	4,415.31	3/4	4,758.73	3/4	5,092.98	3/4		3/4		3/4		3/4		3/4	
3	3,701.38	3	4,063.28	3	4,422.67	3	4,765.67	3	5,100.42	3		3		3		3		3	
1/4	3,708.92	1/4	4,070.82	1/4	4,430.00	1/4	4,772.59	1/4	5,107.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,716.46	1/2	4,078.36	1/2	4,437.32	1/2	4,779.51	1/2	5,115.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,724.00	3/4	4,085.90	3/4	4,444.65	3/4	4,786.42	3/4	5,122.74	3/4		3/4		3/4		3/4		3/4	
4	3,731.54	4	4,093.44	4	4,451.98	4	4,793.34	4	5,130.18	4		4		4		4		4	
1/4	3,739.08	1/4	4,100.98	1/4	4,459.27	1/4	4,800.22	1/4	5,137.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,746.62	1/2	4,108.52	1/2	4,466.56	1/2	4,807.10	1/2	5,145.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,754.16	3/4	4,116.06	3/4	4,473.85	3/4	4,813.99	3/4	5,152.50	3/4		3/4		3/4		3/4		3/4	
5	3,761.69	5	4,123.60	5	4,481.14	5	4,820.87	5	5,159.95	5		5		5		5		5	
1/4	3,769.23	1/4	4,131.14	1/4	4,488.41	1/4	4,827.72	1/4	5,167.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,776.77	1/2	4,138.68	1/2	4,495.67	1/2	4,834.57	1/2	5,174.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,784.31	3/4	4,146.22	3/4	4,502.93	3/4	4,841.42	3/4	5,181.86	3/4		3/4		3/4		3/4		3/4	
6	3,791.85	6	4,153.76	6	4,510.19	6	4,848.27	6	5,189.16	6		6		6		6		6	
1/4	3,799.39	1/4	4,161.30	1/4	4,517.42	1/4	4,855.09	1/4	5,195.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,806.93	1/2	4,168.84	1/2	4,524.65	1/2	4,861.90	1/2	5,201.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,814.47	3/4	4,176.38	3/4	4,531.88	3/4	4,868.72	3/4	5,208.13	3/4		3/4		3/4		3/4		3/4	
7	3,822.01	7	4,183.92	7	4,539.12	7	4,875.54	7	5,214.45	7		7		7		7		7	
1/4	3,829.55	1/4	4,191.46	1/4	4,546.31	1/4	4,882.33	1/4	5,219.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,837.09	1/2	4,199.00	1/2	4,553.51	1/2	4,889.12	1/2	5,224.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,844.63	3/4	4,206.54	3/4	4,560.71	3/4	4,895.91	3/4	5,229.78	3/4		3/4		3/4		3/4		3/4	
8	3,852.17	8	4,214.08	8	4,567.91	8	4,902.69	8	5,234.89	8		8		8		8		8	
1/4	3,859.71	1/4	4,221.61	1/4	4,575.07	1/4	4,909.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,867.25	1/2	4,229.14	1/2	4,582.24	1/2	4,916.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,874.79	3/4	4,236.67	3/4	4,589.40	3/4	4,922.97	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,882.33	9	4,244.20	9	4,596.56	9	4,929.73	9		9		9		9		9		9	
1/4	3,889.87	1/4	4,251.72	1/4	4,603.70	1/4	4,936.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,897.41	1/2	4,259.23	1/2	4,610.83	1/2	4,943.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,904.95	3/4	4,266.75	3/4	4,617.96	3/4	4,949.91	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,912.49	10	4,274.26	10	4,625.10	10	4,956.64	10		10		10		10		10		10	
1/4	3,920.03	1/4	4,281.75	1/4	4,632.20	1/4	4,963.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,927.57	1/2	4,289.23	1/2	4,639.30	1/2	4,970.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,935.11	3/4	4,296.72	3/4	4,646.41	3/4	4,976.72	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,942.65	11	4,304.20	11	4,653.51	11	4,983.41	11		11		11		11		11		11	
1/4	3,950.19	1/4	4,311.65	1/4	4,660.58	1/4	4,990.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,957.73	1/2	4,319.10	1/2	4,667.66	1/2	4,997.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,965.27	3/4	4,326.55	3/4	4,674.73	3/4	5,004.35	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/14/2019 SW JS
CALCULATED: 08/14/2019 CL
PRINTED: 08/14/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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

BARGE "DBL 313"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.34	0	354.53	0	715.10	0	1,068.92	0	1,422.40	0	1,784.25	0	2,146.09	0	2,507.94	0	2,867.97	0	3,229.69
1/4	25.57	1/4	361.92	1/4	722.64	1/4	1,076.11	1/4	1,429.94	1/4	1,791.78	1/4	2,153.63	1/4	2,515.48	1/4	2,875.51	1/4	3,237.22
1/2	29.79	1/2	369.31	1/2	730.18	1/2	1,083.31	1/2	1,437.47	1/2	1,799.32	1/2	2,161.17	1/2	2,523.02	1/2	2,883.04	1/2	3,244.76
3/4	34.02	3/4	376.70	3/4	737.72	3/4	1,090.50	3/4	1,445.01	3/4	1,806.86	3/4	2,168.71	3/4	2,530.56	3/4	2,890.58	3/4	3,252.29
1	38.25	1	384.09	1	745.26	1	1,097.70	1	1,452.55	1	1,814.40	1	2,176.25	1	2,538.10	1	2,898.12	1	3,259.83
1/4	43.73	1/4	391.48	1/4	752.79	1/4	1,104.89	1/4	1,460.09	1/4	1,821.94	1/4	2,183.79	1/4	2,545.63	1/4	2,905.65	1/4	3,267.36
1/2	49.21	1/2	398.87	1/2	760.33	1/2	1,112.09	1/2	1,467.63	1/2	1,829.48	1/2	2,191.32	1/2	2,553.17	1/2	2,913.19	1/2	3,274.90
3/4	54.69	3/4	406.26	3/4	767.87	3/4	1,119.28	3/4	1,475.17	3/4	1,837.01	3/4	2,198.86	3/4	2,560.71	3/4	2,920.72	3/4	3,282.44
2	60.17	2	413.65	2	775.41	2	1,126.48	2	1,482.71	2	1,844.55	2	2,206.40	2	2,568.25	2	2,928.26	2	3,289.97
1/4	66.91	1/4	421.17	1/4	782.95	1/4	1,133.67	1/4	1,490.24	1/4	1,852.09	1/4	2,213.94	1/4	2,575.79	1/4	2,935.79	1/4	3,297.51
1/2	73.65	1/2	428.69	1/2	790.48	1/2	1,140.87	1/2	1,497.78	1/2	1,859.63	1/2	2,221.48	1/2	2,583.33	1/2	2,943.33	1/2	3,305.04
3/4	80.38	3/4	436.21	3/4	798.02	3/4	1,148.06	3/4	1,505.32	3/4	1,867.17	3/4	2,229.02	3/4	2,590.86	3/4	2,950.87	3/4	3,312.58
3	87.12	3	443.73	3	805.56	3	1,155.26	3	1,512.86	3	1,874.71	3	2,236.56	3	2,598.40	3	2,958.40	3	3,320.11
1/4	94.57	1/4	451.27	1/4	813.10	1/4	1,162.45	1/4	1,520.40	1/4	1,882.25	1/4	2,244.09	1/4	2,605.94	1/4	2,965.94	1/4	3,327.65
1/2	102.01	1/2	458.80	1/2	820.64	1/2	1,169.65	1/2	1,527.94	1/2	1,889.78	1/2	2,251.63	1/2	2,613.47	1/2	2,973.47	1/2	3,335.19
3/4	109.46	3/4	466.34	3/4	828.18	3/4	1,176.84	3/4	1,535.47	3/4	1,897.32	3/4	2,259.17	3/4	2,621.00	3/4	2,981.01	3/4	3,342.72
4	116.90	4	473.88	4	835.71	4	1,184.04	4	1,543.01	4	1,904.86	4	2,266.71	4	2,628.53	4	2,988.54	4	3,350.26
1/4	124.42	1/4	481.42	1/4	843.25	1/4	1,191.23	1/4	1,550.55	1/4	1,912.40	1/4	2,274.25	1/4	2,635.98	1/4	2,996.08	1/4	3,357.79
1/2	131.95	1/2	488.96	1/2	850.79	1/2	1,198.43	1/2	1,558.09	1/2	1,919.94	1/2	2,281.79	1/2	2,643.42	1/2	3,003.62	1/2	3,365.33
3/4	139.47	3/4	496.50	3/4	858.33	3/4	1,205.62	3/4	1,565.63	3/4	1,927.48	3/4	2,289.32	3/4	2,650.86	3/4	3,011.15	3/4	3,372.86
5	146.99	5	504.03	5	865.87	5	1,212.82	5	1,573.17	5	1,935.02	5	2,296.86	5	2,658.30	5	3,018.69	5	3,380.40
1/4	154.52	1/4	511.57	1/4	873.40	1/4	1,220.02	1/4	1,580.71	1/4	1,942.55	1/4	2,304.40	1/4	2,665.73	1/4	3,026.22	1/4	3,387.94
1/2	162.04	1/2	519.11	1/2	880.94	1/2	1,227.23	1/2	1,588.24	1/2	1,950.09	1/2	2,311.94	1/2	2,673.16	1/2	3,033.76	1/2	3,395.47
3/4	169.56	3/4	526.65	3/4	888.48	3/4	1,234.43	3/4	1,595.78	3/4	1,957.63	3/4	2,319.48	3/4	2,680.59	3/4	3,041.29	3/4	3,403.01
6	177.09	6	534.19	6	896.02	6	1,241.64	6	1,603.32	6	1,965.17	6	2,327.02	6	2,688.02	6	3,048.83	6	3,410.54
1/4	184.49	1/4	541.72	1/4	903.27	1/4	1,249.14	1/4	1,610.86	1/4	1,972.71	1/4	2,334.56	1/4	2,695.45	1/4	3,056.37	1/4	3,418.08
1/2	191.90	1/2	549.26	1/2	910.51	1/2	1,256.63	1/2	1,618.40	1/2	1,980.25	1/2	2,342.09	1/2	2,702.88	1/2	3,063.90	1/2	3,425.61
3/4	199.31	3/4	556.80	3/4	917.76	3/4	1,264.13	3/4	1,625.94	3/4	1,987.78	3/4	2,349.63	3/4	2,710.31	3/4	3,071.44	3/4	3,433.15
7	206.72	7	564.34	7	925.01	7	1,271.63	7	1,633.48	7	1,995.32	7	2,357.17	7	2,717.74	7	3,078.97	7	3,440.69
1/4	214.11	1/4	571.88	1/4	932.20	1/4	1,279.17	1/4	1,641.01	1/4	2,002.86	1/4	2,364.71	1/4	2,725.17	1/4	3,086.51	1/4	3,448.22
1/2	221.50	1/2	579.42	1/2	939.40	1/2	1,286.70	1/2	1,648.55	1/2	2,010.40	1/2	2,372.25	1/2	2,732.60	1/2	3,094.04	1/2	3,455.76
3/4	228.89	3/4	586.95	3/4	946.60	3/4	1,294.24	3/4	1,656.09	3/4	2,017.94	3/4	2,379.79	3/4	2,740.03	3/4	3,101.58	3/4	3,463.29
8	236.28	8	594.49	8	953.79	8	1,301.78	8	1,663.63	8	2,025.48	8	2,387.33	8	2,747.45	8	3,109.12	8	3,470.83
1/4	243.67	1/4	602.03	1/4	960.99	1/4	1,309.32	1/4	1,671.17	1/4	2,033.02	1/4	2,394.86	1/4	2,754.98	1/4	3,116.65	1/4	3,478.36
1/2	251.06	1/2	609.57	1/2	968.18	1/2	1,316.86	1/2	1,678.71	1/2	2,040.55	1/2	2,402.40	1/2	2,762.50	1/2	3,124.19	1/2	3,485.90
3/4	258.45	3/4	617.11	3/4	975.38	3/4	1,324.40	3/4	1,686.24	3/4	2,048.09	3/4	2,409.94	3/4	2,770.02	3/4	3,131.72	3/4	3,493.44
9	265.84	9	624.64	9	982.58	9	1,331.94	9	1,693.78	9	2,055.63	9	2,417.48	9	2,777.54	9	3,139.26	9	3,500.97
1/4	273.23	1/4	632.18	1/4	989.77	1/4	1,339.47	1/4	1,701.32	1/4	2,063.17	1/4	2,425.02	1/4	2,785.08	1/4	3,146.79	1/4	3,508.51
1/2	280.62	1/2	639.72	1/2	996.97	1/2	1,347.01	1/2	1,708.86	1/2	2,070.71	1/2	2,432.56	1/2	2,792.62	1/2	3,154.33	1/2	3,516.04
3/4	288.01	3/4	647.26	3/4	1,004.16	3/4	1,354.55	3/4	1,716.40	3/4	2,078.25	3/4	2,440.09	3/4	2,800.15	3/4	3,161.87	3/4	3,523.58
10	295.40	10	654.80	10	1,011.36	10	1,362.09	10	1,723.94	10	2,085.79	10	2,447.63	10	2,807.69	10	3,169.40	10	3,531.11
1/4	302.79	1/4	662.34	1/4	1,018.55	1/4	1,369.63	1/4	1,731.48	1/4	2,093.32	1/4	2,455.17	1/4	2,815.22	1/4	3,176.94	1/4	3,538.65
1/2	310.18	1/2	669.87	1/2	1,025.75	1/2	1,377.17	1/2	1,739.01	1/2	2,100.86	1/2	2,462.71	1/2	2,822.76	1/2	3,184.47	1/2	3,546.19
3/4	317.57	3/4	677.41	3/4	1,032.94	3/4	1,384.70	3/4	1,746.55	3/4	2,108.40	3/4	2,470.25	3/4	2,830.29	3/4	3,192.01	3/4	3,553.72
11	324.96	11	684.95	11	1,040.14	11	1,392.24	11	1,754.09	11	2,115.94	11	2,477.79	11	2,837.83	11	3,199.54	11	3,561.26
1/4	332.35	1/4	692.49	1/4	1,047.33	1/4	1,399.78	1/4	1,761.63	1/4	2,123.48	1/4	2,485.33	1/4	2,845.37	1/4	3,207.08	1/4	3,568.79
1/2	339.74	1/2	700.03	1/2	1,054.53	1/2	1,407.32	1/2	1,769.17	1/2	2,131.02	1/2	2,492.86	1/2	2,852.90	1/2	3,214.62	1/2	3,576.33
3/4	347.13	3/4	707.56	3/4	1,061.72	3/4	1,414.86	3/4	1,776.71	3/4	2,138.55	3/4	2,500.40	3/4	2,860.44	3/4	3,222.15	3/4	3,583.86

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

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

BARGE "DBL 313"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,591.40	0	3,953.11	0	4,314.12	0	4,661.75	0	4,991.12	0		0		0		0		0	
1/4	3,598.94	1/4	3,960.65	1/4	4,321.54	1/4	4,668.79	1/4	4,998.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,606.47	1/2	3,968.19	1/2	4,328.95	1/2	4,675.82	1/2	5,005.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,614.01	3/4	3,975.72	3/4	4,336.37	3/4	4,682.86	3/4	5,013.27	3/4		3/4		3/4		3/4		3/4	
1	3,621.54	1	3,983.26	1	4,343.79	1	4,689.90	1	5,020.66	1		1		1		1		1	
1/4	3,629.08	1/4	3,990.79	1/4	4,351.17	1/4	4,696.87	1/4	5,028.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,636.61	1/2	3,998.33	1/2	4,358.56	1/2	4,703.85	1/2	5,035.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,644.15	3/4	4,005.86	3/4	4,365.94	3/4	4,710.83	3/4	5,042.97	3/4		3/4		3/4		3/4		3/4	
2	3,651.69	2	4,013.40	2	4,373.33	2	4,717.80	2	5,050.40	2		2		2		2		2	
1/4	3,659.22	1/4	4,020.93	1/4	4,380.68	1/4	4,724.75	1/4	5,057.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,666.76	1/2	4,028.47	1/2	4,388.04	1/2	4,731.69	1/2	5,065.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,674.29	3/4	4,036.01	3/4	4,395.39	3/4	4,738.63	3/4	5,072.72	3/4		3/4		3/4		3/4		3/4	
3	3,681.83	3	4,043.54	3	4,402.75	3	4,745.58	3	5,080.15	3		3		3		3		3	
1/4	3,689.36	1/4	4,051.08	1/4	4,410.07	1/4	4,752.49	1/4	5,087.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,696.90	1/2	4,058.61	1/2	4,417.39	1/2	4,759.40	1/2	5,095.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,704.44	3/4	4,066.15	3/4	4,424.72	3/4	4,766.32	3/4	5,102.47	3/4		3/4		3/4		3/4		3/4	
4	3,711.97	4	4,073.68	4	4,432.04	4	4,773.23	4	5,109.90	4		4		4		4		4	
1/4	3,719.51	1/4	4,081.22	1/4	4,439.33	1/4	4,780.11	1/4	5,117.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,727.04	1/2	4,088.76	1/2	4,446.61	1/2	4,786.99	1/2	5,124.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,734.58	3/4	4,096.29	3/4	4,453.90	3/4	4,793.87	3/4	5,132.22	3/4		3/4		3/4		3/4		3/4	
5	3,742.11	5	4,103.83	5	4,461.19	5	4,800.75	5	5,139.65	5		5		5		5		5	
1/4	3,749.65	1/4	4,111.36	1/4	4,468.45	1/4	4,807.59	1/4	5,146.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,757.19	1/2	4,118.90	1/2	4,475.71	1/2	4,814.44	1/2	5,154.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,764.72	3/4	4,126.43	3/4	4,482.96	3/4	4,821.28	3/4	5,161.55	3/4		3/4		3/4		3/4		3/4	
6	3,772.26	6	4,133.97	6	4,490.22	6	4,828.13	6	5,168.85	6		6		6		6		6	
1/4	3,779.79	1/4	4,141.51	1/4	4,497.45	1/4	4,834.95	1/4	5,175.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,787.33	1/2	4,149.04	1/2	4,504.68	1/2	4,841.76	1/2	5,181.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,794.86	3/4	4,156.58	3/4	4,511.90	3/4	4,848.58	3/4	5,187.81	3/4		3/4		3/4		3/4		3/4	
7	3,802.40	7	4,164.11	7	4,519.13	7	4,855.39	7	5,194.12	7		7		7		7		7	
1/4	3,809.94	1/4	4,171.65	1/4	4,526.33	1/4	4,862.18	1/4	5,199.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,817.47	1/2	4,179.18	1/2	4,533.52	1/2	4,868.96	1/2	5,204.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,825.01	3/4	4,186.72	3/4	4,540.72	3/4	4,875.75	3/4	5,209.44	3/4		3/4		3/4		3/4		3/4	
8	3,832.54	8	4,194.26	8	4,547.91	8	4,882.53	8	5,214.55	8		8		8		8		8	
1/4	3,840.08	1/4	4,201.78	1/4	4,555.07	1/4	4,889.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,847.61	1/2	4,209.31	1/2	4,562.23	1/2	4,896.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,855.15	3/4	4,216.84	3/4	4,569.39	3/4	4,902.80	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,862.69	9	4,224.37	9	4,576.55	9	4,909.55	9		9		9		9		9		9	
1/4	3,870.22	1/4	4,231.88	1/4	4,583.68	1/4	4,916.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,877.76	1/2	4,239.39	1/2	4,590.81	1/2	4,923.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,885.29	3/4	4,246.91	3/4	4,597.94	3/4	4,929.72	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,892.83	10	4,254.42	10	4,605.07	10	4,936.45	10		10		10		10		10		10	
1/4	3,900.36	1/4	4,261.90	1/4	4,612.17	1/4	4,943.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,907.90	1/2	4,269.38	1/2	4,619.27	1/2	4,949.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,915.44	3/4	4,276.86	3/4	4,626.37	3/4	4,956.52	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,922.97	11	4,284.34	11	4,633.47	11	4,963.21	11		11		11		11		11		11	
1/4	3,930.51	1/4	4,291.79	1/4	4,640.54	1/4	4,970.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,938.04	1/2	4,299.23	1/2	4,647.61	1/2	4,977.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,945.58	3/4	4,306.68	3/4	4,654.68	3/4	4,984.14	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/14/2019 SW JS
CALCULATED: 08/14/2019 CL
PRINTED: 08/14/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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

BARGE "DBL 313"

3 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.31	0	353.87	0	713.79	0	1,074.75	0	1,435.78	0	1,796.97	0	2,158.12	0	2,519.23	0	2,880.14	0	3,240.17
1/4	25.52	1/4	361.25	1/4	721.31	1/4	1,082.27	1/4	1,443.30	1/4	1,804.49	1/4	2,165.65	1/4	2,526.75	1/4	2,887.65	1/4	3,247.64
1/2	29.74	1/2	368.62	1/2	728.83	1/2	1,089.79	1/2	1,450.83	1/2	1,812.02	1/2	2,173.17	1/2	2,534.28	1/2	2,895.16	1/2	3,255.12
3/4	33.96	3/4	376.00	3/4	736.36	3/4	1,097.30	3/4	1,458.35	3/4	1,819.54	3/4	2,180.69	3/4	2,541.80	3/4	2,902.67	3/4	3,262.59
1	38.18	1	383.37	1	743.88	1	1,104.82	1	1,465.88	1	1,827.07	1	2,188.22	1	2,549.32	1	2,910.18	1	3,270.06
1/4	43.65	1/4	390.75	1/4	751.41	1/4	1,112.33	1/4	1,473.40	1/4	1,834.59	1/4	2,195.74	1/4	2,556.84	1/4	2,917.68	1/4	3,277.54
1/2	49.12	1/2	398.13	1/2	758.93	1/2	1,119.85	1/2	1,480.92	1/2	1,842.11	1/2	2,203.26	1/2	2,564.37	1/2	2,925.19	1/2	3,285.01
3/4	54.59	3/4	405.50	3/4	766.46	3/4	1,127.36	3/4	1,488.45	3/4	1,849.64	3/4	2,210.79	3/4	2,571.89	3/4	2,932.70	3/4	3,292.49
2	60.06	2	412.88	2	773.98	2	1,134.88	2	1,495.97	2	1,857.16	2	2,218.31	2	2,579.41	2	2,940.21	2	3,299.96
1/4	66.79	1/4	420.39	1/4	781.51	1/4	1,142.39	1/4	1,503.50	1/4	1,864.69	1/4	2,225.83	1/4	2,586.94	1/4	2,947.72	1/4	3,307.44
1/2	73.51	1/2	427.89	1/2	789.03	1/2	1,149.91	1/2	1,511.02	1/2	1,872.21	1/2	2,233.35	1/2	2,594.46	1/2	2,955.23	1/2	3,314.91
3/4	80.24	3/4	435.40	3/4	796.55	3/4	1,157.42	3/4	1,518.55	3/4	1,879.74	3/4	2,240.88	3/4	2,601.98	3/4	2,962.74	3/4	3,322.39
3	86.97	3	442.90	3	804.08	3	1,164.94	3	1,526.07	3	1,887.26	3	2,248.40	3	2,609.51	3	2,970.25	3	3,329.86
1/4	94.40	1/4	450.43	1/4	811.60	1/4	1,172.45	1/4	1,533.60	1/4	1,894.79	1/4	2,255.92	1/4	2,617.03	1/4	2,977.75	1/4	3,337.35
1/2	101.83	1/2	457.95	1/2	819.13	1/2	1,179.97	1/2	1,541.12	1/2	1,902.31	1/2	2,263.45	1/2	2,624.55	1/2	2,985.26	1/2	3,344.84
3/4	109.26	3/4	465.48	3/4	826.65	3/4	1,187.48	3/4	1,548.65	3/4	1,909.84	3/4	2,270.97	3/4	2,632.07	3/4	2,992.77	3/4	3,352.32
4	116.69	4	473.00	4	834.18	4	1,195.00	4	1,556.17	4	1,917.36	4	2,278.49	4	2,639.59	4	3,000.28	4	3,359.81
1/4	124.20	1/4	480.53	1/4	841.70	1/4	1,202.52	1/4	1,563.70	1/4	1,924.89	1/4	2,286.02	1/4	2,647.11	1/4	3,007.79	1/4	3,367.30
1/2	131.71	1/2	488.05	1/2	849.23	1/2	1,210.04	1/2	1,571.22	1/2	1,932.41	1/2	2,293.54	1/2	2,654.63	1/2	3,015.30	1/2	3,374.79
3/4	139.22	3/4	495.57	3/4	856.75	3/4	1,217.56	3/4	1,578.75	3/4	1,939.94	3/4	2,301.06	3/4	2,662.15	3/4	3,022.81	3/4	3,382.28
5	146.73	5	503.10	5	864.28	5	1,225.08	5	1,586.27	5	1,947.46	5	2,308.59	5	2,669.68	5	3,030.32	5	3,389.77
1/4	154.24	1/4	510.62	1/4	871.80	1/4	1,232.61	1/4	1,593.80	1/4	1,954.99	1/4	2,316.11	1/4	2,677.20	1/4	3,037.82	1/4	3,397.26
1/2	161.75	1/2	518.15	1/2	879.32	1/2	1,240.13	1/2	1,601.32	1/2	1,962.51	1/2	2,323.63	1/2	2,684.72	1/2	3,045.33	1/2	3,404.75
3/4	169.26	3/4	525.67	3/4	886.85	3/4	1,247.66	3/4	1,608.85	3/4	1,970.04	3/4	2,331.15	3/4	2,692.24	3/4	3,052.84	3/4	3,412.24
6	176.77	6	533.20	6	894.37	6	1,255.18	6	1,616.37	6	1,977.56	6	2,338.68	6	2,699.76	6	3,060.35	6	3,419.73
1/4	184.16	1/4	540.72	1/4	901.89	1/4	1,262.71	1/4	1,623.90	1/4	1,985.09	1/4	2,346.20	1/4	2,707.28	1/4	3,067.86	1/4	3,427.22
1/2	191.55	1/2	548.25	1/2	909.41	1/2	1,270.23	1/2	1,631.42	1/2	1,992.61	1/2	2,353.72	1/2	2,714.81	1/2	3,075.37	1/2	3,434.71
3/4	198.95	3/4	555.77	3/4	916.93	3/4	1,277.76	3/4	1,638.95	3/4	2,000.14	3/4	2,361.25	3/4	2,722.33	3/4	3,082.88	3/4	3,442.20
7	206.34	7	563.30	7	924.45	7	1,285.28	7	1,646.47	7	2,007.66	7	2,368.77	7	2,729.85	7	3,090.39	7	3,449.69
1/4	213.72	1/4	570.82	1/4	931.96	1/4	1,292.80	1/4	1,654.00	1/4	2,015.19	1/4	2,376.29	1/4	2,737.37	1/4	3,097.90	1/4	3,457.18
1/2	221.09	1/2	578.34	1/2	939.48	1/2	1,300.33	1/2	1,661.52	1/2	2,022.71	1/2	2,383.82	1/2	2,744.89	1/2	3,105.40	1/2	3,464.67
3/4	228.47	3/4	585.87	3/4	946.99	3/4	1,307.85	3/4	1,669.04	3/4	2,030.23	3/4	2,391.34	3/4	2,752.41	3/4	3,112.91	3/4	3,472.16
8	235.85	8	593.39	8	954.51	8	1,315.38	8	1,676.57	8	2,037.76	8	2,398.86	8	2,759.94	8	3,120.42	8	3,479.65
1/4	243.22	1/4	600.92	1/4	962.03	1/4	1,322.90	1/4	1,684.09	1/4	2,045.28	1/4	2,406.38	1/4	2,767.46	1/4	3,127.93	1/4	3,487.14
1/2	250.60	1/2	608.44	1/2	969.54	1/2	1,330.43	1/2	1,691.62	1/2	2,052.80	1/2	2,413.91	1/2	2,774.98	1/2	3,135.44	1/2	3,494.63
3/4	257.98	3/4	615.97	3/4	977.06	3/4	1,337.95	3/4	1,699.14	3/4	2,060.33	3/4	2,421.43	3/4	2,782.50	3/4	3,142.95	3/4	3,502.12
9	265.35	9	623.49	9	984.57	9	1,345.48	9	1,706.67	9	2,067.85	9	2,428.95	9	2,790.03	9	3,150.46	9	3,509.61
1/4	272.73	1/4	631.02	1/4	992.09	1/4	1,353.00	1/4	1,714.19	1/4	2,075.37	1/4	2,436.48	1/4	2,797.54	1/4	3,157.94	1/4	3,514.10
1/2	280.10	1/2	638.54	1/2	999.60	1/2	1,360.53	1/2	1,721.72	1/2	2,082.89	1/2	2,444.00	1/2	2,805.05	1/2	3,165.41	1/2	3,518.58
3/4	287.48	3/4	646.06	3/4	1,007.12	3/4	1,368.05	3/4	1,729.24	3/4	2,090.42	3/4	2,451.52	3/4	2,812.56	3/4	3,172.89	3/4	3,523.06
10	294.86	10	653.59	10	1,014.63	10	1,375.58	10	1,736.77	10	2,097.94	10	2,459.05	10	2,820.07	10	3,180.37	10	3,527.54
1/4	302.23	1/4	661.11	1/4	1,022.15	1/4	1,383.10	1/4	1,744.29	1/4	2,105.46	1/4	2,466.57	1/4	2,827.58	1/4	3,187.85	1/4	3,531.59
1/2	309.61	1/2	668.64	1/2	1,029.66	1/2	1,390.63	1/2	1,751.82	1/2	2,112.99	1/2	2,474.09	1/2	2,835.09	1/2	3,195.32	1/2	3,535.64
3/4	316.99	3/4	676.16	3/4	1,037.18	3/4	1,398.15	3/4	1,759.34	3/4	2,120.51	3/4	2,481.61	3/4	2,842.60	3/4	3,202.79	3/4	3,539.69
11	324.36	11	683.69	11	1,044.69	11	1,405.68	11	1,766.87	11	2,128.03	11	2,489.14	11	2,850.10	11	3,210.27	11	3,543.74
1/4	331.74	1/4	691.21	1/4	1,052.21	1/4	1,413.20	1/4	1,774.39	1/4	2,135.56	1/4	2,496.66	1/4	2,857.61	1/4	3,217.74	1/4	3,547.79
1/2	339.12	1/2	698.74	1/2	1,059.72	1/2	1,420.73	1/2	1,781.92	1/2	2,143.08	1/2	2,504.18	1/2	2,865.12	1/2	3,225.22	1/2	3,551.85
3/4	346.49	3/4	706.26	3/4	1,067.24	3/4	1,428.25	3/4	1,789.44	3/4	2,150.60	3/4	2,511.71	3/4	2,872.63	3/4	3,232.69	3/4	3,555.90

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD

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

BARGE "DBL 313"

3 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,559.95	0	3,754.40	0	3,948.16	0	4,128.55	0	4,291.42	0		0		0		0		0	
1/4	3,564.00	1/4	3,758.45	1/4	3,952.09	1/4	4,132.10	1/4	4,295.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,568.05	1/2	3,762.50	1/2	3,956.02	1/2	4,135.66	1/2	4,299.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,572.10	3/4	3,766.55	3/4	3,959.95	3/4	4,139.21	3/4	4,303.26	3/4		3/4		3/4		3/4		3/4	
1	3,576.15	1	3,770.60	1	3,963.89	1	4,142.76	1	4,307.20	1		1		1		1		1	
1/4	3,580.20	1/4	3,774.66	1/4	3,967.79	1/4	4,146.27	1/4	4,311.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,584.25	1/2	3,778.71	1/2	3,971.69	1/2	4,149.77	1/2	4,315.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,588.31	3/4	3,782.76	3/4	3,975.59	3/4	4,153.28	3/4	4,319.20	3/4		3/4		3/4		3/4		3/4	
2	3,592.36	2	3,786.81	2	3,979.49	2	4,156.78	2	4,323.19	2		2		2		2		2	
1/4	3,596.41	1/4	3,790.86	1/4	3,983.36	1/4	4,160.26	1/4	4,327.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,600.46	1/2	3,794.91	1/2	3,987.23	1/2	4,163.73	1/2	4,331.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,604.51	3/4	3,798.96	3/4	3,991.10	3/4	4,167.21	3/4	4,335.19	3/4		3/4		3/4		3/4		3/4	
3	3,608.56	3	3,803.01	3	3,994.97	3	4,170.68	3	4,339.19	3		3		3		3		3	
1/4	3,612.61	1/4	3,807.06	1/4	3,998.81	1/4	4,174.12	1/4	4,343.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,616.66	1/2	3,811.12	1/2	4,002.65	1/2	4,177.57	1/2	4,347.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,620.71	3/4	3,815.17	3/4	4,006.49	3/4	4,181.01	3/4	4,351.18	3/4		3/4		3/4		3/4		3/4	
4	3,624.77	4	3,819.22	4	4,010.33	4	4,184.45	4	4,355.18	4		4		4		4		4	
1/4	3,628.82	1/4	3,823.27	1/4	4,014.13	1/4	4,187.86	1/4	4,359.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,632.87	1/2	3,827.32	1/2	4,017.93	1/2	4,191.28	1/2	4,363.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.92	3/4	3,831.37	3/4	4,021.74	3/4	4,194.69	3/4	4,367.17	3/4		3/4		3/4		3/4		3/4	
5	3,640.97	5	3,835.42	5	4,025.54	5	4,198.10	5	4,371.17	5		5		5		5		5	
1/4	3,645.02	1/4	3,839.47	1/4	4,029.32	1/4	4,201.47	1/4	4,375.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,649.07	1/2	3,843.52	1/2	4,033.09	1/2	4,204.85	1/2	4,378.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,653.12	3/4	3,847.58	3/4	4,036.86	3/4	4,208.23	3/4	4,382.76	3/4		3/4		3/4		3/4		3/4	
6	3,657.17	6	3,851.63	6	4,040.64	6	4,211.60	6	4,386.62	6		6		6		6		6	
1/4	3,661.22	1/4	3,855.68	1/4	4,044.38	1/4	4,214.95	1/4	4,389.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,665.28	1/2	3,859.73	1/2	4,048.12	1/2	4,218.30	1/2	4,392.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,669.33	3/4	3,863.78	3/4	4,051.87	3/4	4,221.64	3/4	4,395.27	3/4		3/4		3/4		3/4		3/4	
7	3,673.38	7	3,867.83	7	4,055.61	7	4,224.99	7	4,398.15	7		7		7		7		7	
1/4	3,677.43	1/4	3,871.88	1/4	4,059.32	1/4	4,228.30	1/4	4,399.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,681.48	1/2	3,875.93	1/2	4,063.03	1/2	4,231.62	1/2	4,401.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,685.53	3/4	3,879.98	3/4	4,066.74	3/4	4,234.94	3/4	4,403.13	3/4		3/4		3/4		3/4		3/4	
8	3,689.58	8	3,884.04	8	4,070.45	8	4,238.25	8	4,404.79	8		8		8		8		8	
1/4	3,693.63	1/4	3,888.08	1/4	4,074.13	1/4	4,241.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.68	1/2	3,892.13	1/2	4,077.81	1/2	4,244.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,701.74	3/4	3,896.17	3/4	4,081.48	3/4	4,248.11	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,705.79	9	3,900.22	9	4,085.16	9	4,251.40	9		9		9		9		9		9	
1/4	3,709.84	1/4	3,904.25	1/4	4,088.80	1/4	4,254.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,713.89	1/2	3,908.28	1/2	4,092.45	1/2	4,257.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,717.94	3/4	3,912.30	3/4	4,096.10	3/4	4,261.16	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,721.99	10	3,916.33	10	4,099.74	10	4,264.41	10		10		10		10		10		10	
1/4	3,726.04	1/4	3,920.33	1/4	4,103.36	1/4	4,267.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,730.09	1/2	3,924.32	1/2	4,106.97	1/2	4,270.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,734.14	3/4	3,928.32	3/4	4,110.59	3/4	4,274.07	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,738.20	11	3,932.31	11	4,114.21	11	4,277.28	11		11		11		11		11		11	
1/4	3,742.25	1/4	3,936.28	1/4	4,117.79	1/4	4,280.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,746.30	1/2	3,940.24	1/2	4,121.38	1/2	4,284.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,750.35	3/4	3,944.20	3/4	4,124.96	3/4	4,287.89	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/14/2019 SW JS
CALCULATED: 08/14/2019 CL
PRINTED: 08/14/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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

BARGE "DBL 313"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.26	0	352.58	0	711.15	0	1,059.43	0	1,412.67	0	1,771.88	0	2,131.58	0	2,491.23	0	2,848.98	0	3,207.37
1/4	25.47	1/4	359.93	1/4	718.65	1/4	1,066.59	1/4	1,420.10	1/4	1,779.37	1/4	2,139.07	1/4	2,498.72	1/4	2,856.46	1/4	3,214.82
1/2	29.68	1/2	367.28	1/2	726.14	1/2	1,073.75	1/2	1,427.54	1/2	1,786.87	1/2	2,146.57	1/2	2,506.21	1/2	2,863.94	1/2	3,222.26
3/4	33.89	3/4	374.63	3/4	733.64	3/4	1,080.91	3/4	1,434.97	3/4	1,794.36	3/4	2,154.06	3/4	2,513.70	3/4	2,871.41	3/4	3,229.70
1	38.10	1	381.98	1	741.14	1	1,088.07	1	1,442.40	1	1,801.86	1	2,161.55	1	2,521.20	1	2,878.89	1	3,237.15
1/4	43.55	1/4	389.33	1/4	748.63	1/4	1,095.22	1/4	1,449.83	1/4	1,809.35	1/4	2,169.04	1/4	2,528.69	1/4	2,886.36	1/4	3,244.59
1/2	49.00	1/2	396.67	1/2	756.13	1/2	1,102.38	1/2	1,457.27	1/2	1,816.84	1/2	2,176.54	1/2	2,536.18	1/2	2,893.84	1/2	3,252.04
3/4	54.45	3/4	404.02	3/4	763.63	3/4	1,109.54	3/4	1,464.70	3/4	1,824.34	3/4	2,184.03	3/4	2,543.67	3/4	2,901.31	3/4	3,259.48
2	59.90	2	411.37	2	771.12	2	1,116.70	2	1,472.13	2	1,831.83	2	2,191.52	2	2,551.17	2	2,908.78	2	3,266.92
1/4	66.59	1/4	418.85	1/4	778.62	1/4	1,123.86	1/4	1,479.62	1/4	1,839.33	1/4	2,199.02	1/4	2,558.66	1/4	2,916.25	1/4	3,274.37
1/2	73.28	1/2	426.33	1/2	786.12	1/2	1,131.02	1/2	1,487.11	1/2	1,846.82	1/2	2,206.51	1/2	2,566.15	1/2	2,923.72	1/2	3,281.81
3/4	79.97	3/4	433.80	3/4	793.61	3/4	1,138.18	3/4	1,494.59	3/4	1,854.32	3/4	2,214.00	3/4	2,573.65	3/4	2,931.19	3/4	3,289.26
3	86.66	3	441.28	3	801.11	3	1,145.34	3	1,502.08	3	1,861.81	3	2,221.49	3	2,581.14	3	2,938.66	3	3,296.70
1/4	94.06	1/4	448.78	1/4	808.36	1/4	1,152.74	1/4	1,509.57	1/4	1,869.30	1/4	2,228.99	1/4	2,588.63	1/4	2,946.14	1/4	3,304.16
1/2	101.46	1/2	456.27	1/2	815.61	1/2	1,160.15	1/2	1,517.07	1/2	1,876.80	1/2	2,236.48	1/2	2,596.12	1/2	2,953.61	1/2	3,311.62
3/4	108.86	3/4	463.77	3/4	822.86	3/4	1,167.56	3/4	1,524.56	3/4	1,884.29	3/4	2,243.97	3/4	2,603.61	3/4	2,961.08	3/4	3,319.08
4	116.27	4	471.27	4	830.10	4	1,174.96	4	1,532.06	4	1,891.79	4	2,251.46	4	2,611.10	4	2,968.55	4	3,326.53
1/4	123.75	1/4	478.76	1/4	837.29	1/4	1,182.38	1/4	1,539.55	1/4	1,899.28	1/4	2,258.96	1/4	2,618.50	1/4	2,976.02	1/4	3,333.99
1/2	131.24	1/2	486.26	1/2	844.48	1/2	1,189.80	1/2	1,547.05	1/2	1,906.78	1/2	2,266.45	1/2	2,625.90	1/2	2,983.49	1/2	3,341.45
3/4	138.73	3/4	493.76	3/4	851.67	3/4	1,197.22	3/4	1,554.54	3/4	1,914.27	3/4	2,273.94	3/4	2,633.30	3/4	2,990.96	3/4	3,348.91
5	146.22	5	501.25	5	858.86	5	1,204.63	5	1,562.03	5	1,921.77	5	2,281.43	5	2,640.70	5	2,998.43	5	3,356.37
1/4	153.70	1/4	508.75	1/4	866.04	1/4	1,212.05	1/4	1,569.53	1/4	1,929.26	1/4	2,288.93	1/4	2,648.08	1/4	3,005.90	1/4	3,363.83
1/2	161.18	1/2	516.25	1/2	873.23	1/2	1,219.46	1/2	1,577.02	1/2	1,936.75	1/2	2,296.42	1/2	2,655.47	1/2	3,013.37	1/2	3,371.29
3/4	168.66	3/4	523.74	3/4	880.41	3/4	1,226.88	3/4	1,584.52	3/4	1,944.25	3/4	2,303.91	3/4	2,662.85	3/4	3,020.84	3/4	3,378.75
6	176.14	6	531.24	6	887.59	6	1,234.30	6	1,592.01	6	1,951.74	6	2,311.40	6	2,670.24	6	3,028.32	6	3,386.21
1/4	183.51	1/4	538.73	1/4	894.76	1/4	1,241.73	1/4	1,599.51	1/4	1,959.24	1/4	2,318.90	1/4	2,677.62	1/4	3,035.79	1/4	3,393.67
1/2	190.88	1/2	546.23	1/2	901.92	1/2	1,249.16	1/2	1,607.00	1/2	1,966.73	1/2	2,326.39	1/2	2,685.00	1/2	3,043.26	1/2	3,401.13
3/4	198.24	3/4	553.73	3/4	909.09	3/4	1,256.59	3/4	1,614.50	3/4	1,974.23	3/4	2,333.88	3/4	2,692.39	3/4	3,050.73	3/4	3,408.59
7	205.61	7	561.22	7	916.25	7	1,264.02	7	1,621.99	7	1,981.72	7	2,341.37	7	2,699.77	7	3,058.20	7	3,416.05
1/4	212.95	1/4	568.72	1/4	923.41	1/4	1,271.45	1/4	1,629.48	1/4	1,989.22	1/4	2,348.87	1/4	2,707.16	1/4	3,065.68	1/4	3,423.51
1/2	220.30	1/2	576.22	1/2	930.57	1/2	1,278.88	1/2	1,636.98	1/2	1,996.71	1/2	2,356.36	1/2	2,714.54	1/2	3,073.15	1/2	3,430.97
3/4	227.65	3/4	583.71	3/4	937.73	3/4	1,286.32	3/4	1,644.47	3/4	2,004.20	3/4	2,363.85	3/4	2,721.93	3/4	3,080.63	3/4	3,438.43
8	235.00	8	591.21	8	944.89	8	1,293.75	8	1,651.97	8	2,011.70	8	2,371.35	8	2,729.31	8	3,088.11	8	3,445.89
1/4	242.35	1/4	598.71	1/4	952.05	1/4	1,301.18	1/4	1,659.46	1/4	2,019.19	1/4	2,378.84	1/4	2,736.79	1/4	3,095.59	1/4	3,453.35
1/2	249.70	1/2	606.20	1/2	959.21	1/2	1,308.61	1/2	1,666.96	1/2	2,026.68	1/2	2,386.33	1/2	2,744.27	1/2	3,103.07	1/2	3,460.81
3/4	257.05	3/4	613.70	3/4	966.37	3/4	1,316.05	3/4	1,674.45	3/4	2,034.18	3/4	2,393.82	3/4	2,751.75	3/4	3,110.54	3/4	3,468.27
9	264.40	9	621.20	9	973.52	9	1,323.48	9	1,681.94	9	2,041.67	9	2,401.32	9	2,759.23	9	3,118.02	9	3,475.73
1/4	271.75	1/4	628.69	1/4	980.68	1/4	1,330.91	1/4	1,689.44	1/4	2,049.16	1/4	2,408.81	1/4	2,766.71	1/4	3,125.47	1/4	3,480.19
1/2	279.09	1/2	636.19	1/2	987.84	1/2	1,338.34	1/2	1,696.93	1/2	2,056.66	1/2	2,416.30	1/2	2,774.19	1/2	3,132.92	1/2	3,484.64
3/4	286.44	3/4	643.68	3/4	995.00	3/4	1,345.78	3/4	1,704.43	3/4	2,064.15	3/4	2,423.79	3/4	2,781.67	3/4	3,140.37	3/4	3,489.10
10	293.79	10	651.18	10	1,002.16	10	1,353.21	10	1,711.92	10	2,071.64	10	2,431.29	10	2,789.15	10	3,147.82	10	3,493.56
1/4	301.14	1/4	658.68	1/4	1,009.32	1/4	1,360.64	1/4	1,719.42	1/4	2,079.13	1/4	2,438.78	1/4	2,796.63	1/4	3,155.26	1/4	3,497.59
1/2	308.49	1/2	666.17	1/2	1,016.48	1/2	1,368.08	1/2	1,726.91	1/2	2,086.63	1/2	2,446.27	1/2	2,804.11	1/2	3,162.71	1/2	3,501.61
3/4	315.84	3/4	673.67	3/4	1,023.64	3/4	1,375.51	3/4	1,734.41	3/4	2,094.12	3/4	2,453.76	3/4	2,811.59	3/4	3,170.15	3/4	3,505.64
11	323.19	11	681.17	11	1,030.79	11	1,382.94	11	1,741.90	11	2,101.61	11	2,461.26	11	2,819.07	11	3,177.59	11	3,509.67
1/4	330.54	1/4	688.66	1/4	1,037.95	1/4	1,390.37	1/4	1,749.39	1/4	2,109.10	1/4	2,468.75	1/4	2,826.54	1/4	3,185.04	1/4	3,513.70
1/2	337.88	1/2	696.16	1/2	1,045.11	1/2	1,397.81	1/2	1,756.89	1/2	2,116.60	1/2	2,476.24	1/2	2,834.02	1/2	3,192.48	1/2	3,517.72
3/4	345.23	3/4	703.66	3/4	1,052.27	3/4	1,405.24	3/4	1,764.38	3/4	2,124.09	3/4	2,483.73	3/4	2,841.50	3/4	3,199.93	3/4	3,521.75

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD

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

BARGE "DBL 313"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,525.78	0	3,719.12	0	3,911.77	0	4,091.07	0	4,252.89	0		0		0		0		0	
1/4	3,529.81	1/4	3,723.15	1/4	3,915.67	1/4	4,094.60	1/4	4,256.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,533.84	1/2	3,727.18	1/2	3,919.58	1/2	4,098.13	1/2	4,260.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,537.86	3/4	3,731.20	3/4	3,923.49	3/4	4,101.66	3/4	4,264.66	3/4		3/4		3/4		3/4		3/4	
1	3,541.89	1	3,735.23	1	3,927.40	1	4,105.19	1	4,268.58	1		1		1		1		1	
1/4	3,545.92	1/4	3,739.26	1/4	3,931.28	1/4	4,108.67	1/4	4,272.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,549.95	1/2	3,743.29	1/2	3,935.15	1/2	4,112.16	1/2	4,276.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,553.98	3/4	3,747.31	3/4	3,939.03	3/4	4,115.64	3/4	4,280.50	3/4		3/4		3/4		3/4		3/4	
2	3,558.00	2	3,751.34	2	3,942.91	2	4,119.13	2	4,284.48	2		2		2		2		2	
1/4	3,562.03	1/4	3,755.37	1/4	3,946.76	1/4	4,122.58	1/4	4,288.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,566.06	1/2	3,759.40	1/2	3,950.61	1/2	4,126.03	1/2	4,292.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,570.09	3/4	3,763.43	3/4	3,954.46	3/4	4,129.48	3/4	4,296.40	3/4		3/4		3/4		3/4		3/4	
3	3,574.12	3	3,767.45	3	3,958.30	3	4,132.93	3	4,300.38	3		3		3		3		3	
1/4	3,578.14	1/4	3,771.48	1/4	3,962.12	1/4	4,136.35	1/4	4,304.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,582.17	1/2	3,775.51	1/2	3,965.93	1/2	4,139.78	1/2	4,308.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,586.20	3/4	3,779.54	3/4	3,969.75	3/4	4,143.20	3/4	4,312.30	3/4		3/4		3/4		3/4		3/4	
4	3,590.23	4	3,783.57	4	3,973.56	4	4,146.62	4	4,316.28	4		4		4		4		4	
1/4	3,594.25	1/4	3,787.59	1/4	3,977.35	1/4	4,150.01	1/4	4,320.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,598.28	1/2	3,791.62	1/2	3,981.13	1/2	4,153.40	1/2	4,324.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,602.31	3/4	3,795.65	3/4	3,984.91	3/4	4,156.79	3/4	4,328.20	3/4		3/4		3/4		3/4		3/4	
5	3,606.34	5	3,799.68	5	3,988.69	5	4,160.17	5	4,332.18	5		5		5		5		5	
1/4	3,610.37	1/4	3,803.71	1/4	3,992.44	1/4	4,163.53	1/4	4,336.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,614.39	1/2	3,807.73	1/2	3,996.19	1/2	4,166.88	1/2	4,339.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,618.42	3/4	3,811.76	3/4	3,999.94	3/4	4,170.24	3/4	4,343.70	3/4		3/4		3/4		3/4		3/4	
6	3,622.45	6	3,815.79	6	4,003.69	6	4,173.59	6	4,347.54	6		6		6		6		6	
1/4	3,626.48	1/4	3,819.82	1/4	4,007.41	1/4	4,176.92	1/4	4,350.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,630.51	1/2	3,823.84	1/2	4,011.14	1/2	4,180.24	1/2	4,353.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,634.53	3/4	3,827.87	3/4	4,014.86	3/4	4,183.57	3/4	4,356.12	3/4		3/4		3/4		3/4		3/4	
7	3,638.56	7	3,831.90	7	4,018.58	7	4,186.89	7	4,358.98	7		7		7		7		7	
1/4	3,642.59	1/4	3,835.93	1/4	4,022.27	1/4	4,190.19	1/4	4,360.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,646.62	1/2	3,839.96	1/2	4,025.95	1/2	4,193.48	1/2	4,362.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,650.65	3/4	3,843.98	3/4	4,029.64	3/4	4,196.77	3/4	4,363.91	3/4		3/4		3/4		3/4		3/4	
8	3,654.67	8	3,848.01	8	4,033.33	8	4,200.07	8	4,365.55	8		8		8		8		8	
1/4	3,658.70	1/4	3,852.03	1/4	4,036.98	1/4	4,203.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,662.73	1/2	3,856.06	1/2	4,040.64	1/2	4,206.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,666.76	3/4	3,860.08	3/4	4,044.29	3/4	4,209.86	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,670.78	9	3,864.10	9	4,047.95	9	4,213.13	9		9		9		9		9		9	
1/4	3,674.81	1/4	3,868.11	1/4	4,051.57	1/4	4,216.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,678.84	1/2	3,872.11	1/2	4,055.19	1/2	4,219.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,682.87	3/4	3,876.12	3/4	4,058.82	3/4	4,222.82	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,686.90	10	3,880.12	10	4,062.44	10	4,226.05	10		10		10		10		10		10	
1/4	3,690.92	1/4	3,884.09	1/4	4,066.03	1/4	4,229.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,694.95	1/2	3,888.07	1/2	4,069.63	1/2	4,232.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,698.98	3/4	3,892.04	3/4	4,073.22	3/4	4,235.64	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,703.01	11	3,896.01	11	4,076.81	11	4,238.84	11		11		11		11		11		11	
1/4	3,707.04	1/4	3,899.95	1/4	4,080.38	1/4	4,242.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,711.06	1/2	3,903.89	1/2	4,083.94	1/2	4,245.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.09	3/4	3,907.83	3/4	4,087.51	3/4	4,249.38	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/14/2019 SW JS
CALCULATED: 08/14/2019 CL
PRINTED: 08/14/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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