BARGE "DBL 317"

ULLAGE 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 ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 252'-00"

November 26, 2019

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

http://www.pmacorp.net

BARGE "DBL 317"

1 PORT

ULLAGE 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		0		0	4,933.00	0	4,597.87	0	4,243.56	0	3,880.43	0	3,517.30	0	3,154.16	0	2,791.03	0	2,427.82
1/4		1/4		1/4	4,926.22	1/4	4,590.68	1/4	4,236.00	1/4	3,872.87	1/4	3,509.73	1/4	3,146.60	1/4	2,783.47	1/4	2,420.25
1/2		1/2	5,252.77	1/2	4,919.43	1/2	4,583.50	1/2	4,228.44	1/2	3,865.30	1/2	3,502.17	1/2	3,139.03	1/2	2,775.90	1/2	2,412.69
3/4		3/4	5,247.64	3/4	4,912.62	3/4	4,576.27	3/4	4,220.87	3/4	3,857.74	3/4	3,494.60	3/4	3,131.47	3/4	2,768.33	3/4	2,405.12
1		1	5,242.52	1	4,905.81	1	4,569.05	1	4,213.31	1	3,850.17	1	3,487.04	1	3,123.90	1	2,760.77	1	2,397.55
1/4		1/4	5,237.39	1/4	4,899.00	1/4	4,561.83	1/4	4,205.74	1/4	3,842.61	1/4	3,479.47	1/4	3,116.34	1/4	2,753.20	1/4	2,389.98
1/2		1/2	5,232.26	1/2	4,892.19	1/2	4,554.61	1/2	4,198.18	1/2	3,835.04	1/2	3,471.91	1/2	3,108.77	1/2	2,745.64	1/2	2,382.41
3/4		3/4	5,225.92	3/4	4,885.34	3/4	4,547.35	3/4	4,190.61	3/4	3,827.48	3/4	3,464.34	3/4	3,101.21	3/4	2,738.07	3/4	2,374.85
2		2	5,219.58	2	4,878.50	2	4,540.09	2	4,183.05	2	3,819.91	2	3,456.78	2	3,093.64	2	2,730.51	2	2,367.28
1/4		1/4	5,213.23	1/4	4,871.66	1/4	4,532.84	1/4	4,175.48	1/4	3,812.35	1/4	3,449.21	1/4	3,086.08	1/4	2,722.94	1/4	2,359.71
1/2		1/2	5,206.89	1/2	4,864.82	1/2	4,525.58	1/2	4,167.92	1/2	3,804.78	1/2	3,441.65	1/2	3,078.51	1/2	2,715.38	1/2	2,352.14
3/4		3/4	5,199.56	3/4	4,857.95	3/4	4,518.29	3/4	4,160.35	3/4	3,797.22	3/4	3,434.08	3/4	3,070.95	3/4	2,707.81	3/4	2,344.57
3		3	5,192.23	3	4,851.07	3	4,511.01	3	4,152.78	3	3,789.65	3	3,426.52	3	3,063.38	3	2,700.25	3	2,337.00
1/4		1/4	5,184.90	1/4	4,844.20	1/4	4,503.72	1/4	4,145.22	1/4	3,782.08	1/4	3,418.95	1/4	3,055.82	1/4	2,692.68	1/4	2,329.44
1/2		1/2	5,177.57	1/2	4,837.33	1/2	4,496.44	1/2	4,137.65	1/2	3,774.52	1/2	3,411.39	1/2	3,048.25	1/2	2,685.12	1/2	2,321.87
3/4		3/4	5,170.11	3/4	4,830.42	3/4	4,489.12	3/4	4,130.09	3/4	3,766.95	3/4	3,403.82	3/4	3,040.69	3/4	2,677.55	3/4	2,314.30
4		4	5,162.64	4	4,823.51	4	4,481.80	4	4,122.52	4	3,759.39	4	3,396.25	4	3,033.12	4	2,669.99	4	2,306.73
1/4		1/4	5,155.17	1/4	4,816.61	1/4	4,474.49	1/4	4,114.96	1/4	3,751.82	1/4	3,388.69	1/4	3,025.55	1/4	2,662.42	1/4	2,299.16
1/2		1/2	5,147.71	1/2	4,809.70	1/2	4,467.17	1/2	4,107.39	1/2	3,744.26	1/2	3,381.12	1/2	3,017.99	1/2	2,654.86	1/2	2,291.60
3/4		3/4	5,140.24	3/4	4,802.76	3/4	4,459.82	3/4	4,099.83	3/4	3,736.69	3/4	3,373.56	3/4	3,010.42	3/4	2,647.29	3/4	2,284.03
5		5	5,132.77	5	4,795.82	5	4,452.47	5	4,092.26	5	3,729.13	5	3,365.99	5	3,002.86	5	2,639.72	5	2,276.46
1/4		1/4	5,125.30	1/4	4,788.88	1/4	4,445.12	1/4	4,084.70	1/4	3,721.56	1/4	3,358.43	1/4	2,995.29	1/4	2,632.16	1/4	2,268.89
1/2		1/2	5,117.84	1/2	4,781.94	1/2	4,437.77	1/2	4,077.13	1/2	3,714.00	1/2	3,350.86	1/2	2,987.73	1/2	2,624.59	1/2	2,261.32
3/4		3/4	5,110.37	3/4	4,774.97	3/4	4,430.38	3/4	4,069.57	3/4	3,706.43	3/4	3,343.30	3/4	2,980.16	3/4	2,617.02	3/4	2,253.76
6		6	5,102.90	6	4,768.00	6	4,423.00	6	4,062.00	6	3,698.87	6	3,335.73	6	2,972.60	6	2,609.46	6	2,246.19
1/4		1/4	5,095.44	1/4	4,761.03	1/4	4,415.61	1/4	4,054.44	1/4	3,691.30	1/4	3,328.17	1/4	2,965.03	1/4	2,601.89	1/4	2,238.62
1/2		1/2	5,087.97	1/2	4,754.06	1/2	4,408.23	1/2	4,046.87	1/2	3,683.74	1/2	3,320.60	1/2	2,957.47	1/2	2,594.32	1/2	2,231.05
3/4		3/4	5,080.50	3/4	4,747.05	3/4	4,400.81	3/4	4,039.31	3/4	3,676.17	3/4	3,313.04	3/4	2,949.90	3/4	2,586.75	3/4	2,223.48
7		7	5,073.04	7	4,740.05	7	4,393.40	7	4,031.74	7	3,668.61	7	3,305.47	7	2,942.34	7	2,579.18	7	2,215.91
1/4		1/4	5,065.57	1/4	4,733.04	1/4	4,385.98	1/4	4,024.17	1/4	3,661.04	1/4	3,297.91	1/4	2,934.77	1/4	2,571.62	1/4	2,208.35
1/2		1/2	5,058.10	1/2	4,726.04	1/2	4,378.57	1/2	4,016.61	1/2	3,653.47	1/2	3,290.34	1/2	2,927.21	1/2	2,564.05	1/2	2,200.78
3/4		3/4	5,050.69	3/4	4,718.98	3/4	4,371.12	3/4	4,009.04	3/4	3,645.91	3/4	3,282.78	3/4	2,919.64	3/4	2,556.48	3/4	2,193.21
8		8	5,043.27	8	4,711.91	8	4,363.68	8	4,001.48	8	3,638.34	8	3,275.21	8	2,912.08	8	2,548.91	8	2,185.64
1/4		1/4	5,035.86	1/4	4,704.85	1/4	4,356.23	1/4	3,993.91	1/4	3,630.78	1/4	3,267.64	1/4	2,904.51	1/4	2,541.34	1/4	2,178.07
1/2		1/2	5,028.45	1/2	4,697.78	1/2	4,348.79	1/2	3,986.35	1/2	3,623.21	1/2	3,260.08	1/2	2,896.94	1/2	2,533.78	1/2	2,170.51
3/4		3/4	5,021.44	3/4	4,690.69	3/4	4,341.31	3/4	3,978.78	3/4	3,615.65	3/4	3,252.51	3/4	2,889.38	3/4	2,526.21	3/4	2,162.94
9		9	5,014.44	9	4,683.59	9	4,333.84	9	3,971.22	9	3,608.08	9	3,244.95	9	2,881.81	9	2,518.64	9	2,155.37
1/4		1/4	5,007.43	1/4	4,676.49	1/4	4,326.36	1/4	3,963.65	1/4	3,600.52	1/4	3,237.38	1/4	2,874.25	1/4	2,511.07	1/4	2,147.80
1/2		1/2	5,000.43	1/2	4,669.39	1/2	4,318.89	1/2	3,956.09	1/2	3,592.95	1/2	3,229.82	1/2	2,866.68	1/2	2,503.50	1/2	2,140.23
3/4		3/4	4,993.71	3/4	4,662.27	3/4	4,311.38	3/4	3,948.52	3/4	3,585.39	3/4	3,222.25	3/4	2,859.12	3/4	2,495.93	3/4	2,132.67
10		10	4,986.99	10	4,655.14	10	4,303.87	10	3,940.96	10	3,577.82	10	3,214.69	10	2,851.55	10	2,488.37	10	2,125.10
1/4		1/4	4,980.28	1/4	4,648.01	1/4	4,296.36	1/4	3,933.39	1/4	3,570.26	1/4	3,207.12	1/4	2,843.99	1/4	2,480.80	1/4	2,117.53
1/2		1/2	4,973.56	1/2	4,640.88	1/2	4,288.85	1/2	3,925.83	1/2	3,562.69	1/2	3,199.56	1/2	2,836.42	1/2	2,473.23	1/2	2,109.96
3/4		3/4	4,966.81	3/4	4,633.72	3/4	4,281.31	3/4	3,918.26	3/4	3,555.13	3/4	3,191.99	3/4	2,828.86	3/4	2,465.66	3/4	2,102.39
11		11	4,960.06	11	4,626.57	11	4,273.77	11	3,910.69	11	3,547.56	11	3,184.43	11	2,821.29	11	2,458.09	11	2,094.83
1/4		1/4	4,953.31	1/4	4,619.41	1/4	4,266.23	1/4	3,903.13	1/4	3,540.00	1/4	3,176.86	1/4	2,813.73	1/4	2,450.53	1/4	2,087.26
1/2		1/2	4,946.56	1/2	4,612.25	1/2	4,258.68	1/2	3,895.56	1/2	3,532.43	1/2	3,169.30	1/2	2,806.16	1/2	2,442.96	1/2	2,079.69
3/4		3/4	4,939.78	3/4	4,605.06	3/4	4,251.12	3/4	3,888.00	3/4	3,524.86	3/4	3,161.73	3/4	2,798.60	3/4	2,435.39	3/4	2,072.12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" 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 317"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,064.55	0	1,701.28	0	1,338.02	0	975.17	0	611.98	0	252.05	0		0		0		0	
1/4	2,056.98	1/4	1,693.72	1/4	1,330.45	1/4	967.61	1/4	604.41	1/4	244.63	1/4		1/4		1/4		1/4	
1/2	2,049.42	1/2	1,686.15	1/2	1,322.88	1/2	960.06	1/2	596.85	1/2	237.21	1/2		1/2		1/2		1/2	
3/4	2,041.85	3/4	1,678.58	3/4	1,315.31	3/4	952.50	3/4	589.28	3/4	229.79	3/4		3/4		3/4		3/4	
1	2,034.28	1	1,671.01	1	1,307.74	1	944.94	1	581.71	1	222.37	1		1		1		1	
1/4	2,026.71	1/4	1,663.44	1/4	1,300.17	1/4	937.39	1/4	574.14	1/4	214.95	1/4		1/4		1/4		1/4	
1/2	2,019.14	1/2	1,655.88	1/2	1,292.61	1/2	929.83	1/2	566.58	1/2	207.53	1/2		1/2		1/2		1/2	
3/4	2,011.58	3/4	1,648.31	3/4	1,285.04	3/4	922.26	3/4	559.01	3/4	200.10	3/4		3/4		3/4		3/4	
2	2,004.01	2	1,640.74	2	1,277.47	2	914.69	2	551.44	2	192.66	2		2		2		2	
1/4	1,996.44	1/4	1,633.17	1/4	1,269.90	1/4	907.13	1/4	543.87	1/4	185.22	1/4		1/4		1/4		1/4	
1/2	1,988.87	1/2	1,625.60	1/2	1,262.33	1/2	899.56	1/2	536.30	1/2	177.79	1/2		1/2		1/2		1/2	
3/4	1,981.30	3/4	1,618.04	3/4	1,254.77	3/4	891.99	3/4	528.74	3/4	170.23	3/4		3/4		3/4		3/4	
3	1,973.74	3	1,610.47	3	1,247.20	3	884.42	3	521.17	3	162.68	3		3		3		3	
1/4	1,966.17	1/4	1,602.90	1/4	1,239.63	1/4	876.86	1/4	513.60	1/4	155.13	1/4		1/4		1/4		1/4	
1/2	1,958.60	1/2	1,595.33	1/2	1,232.07	1/2	869.29	1/2	506.03	1/2	147.58	1/2		1/2		1/2		1/2	
3/4	1,951.03	3/4	1,587.76	3/4	1,224.51	3/4	861.72	3/4	498.47	3/4	140.02	3/4		3/4		3/4		3/4	
4	1,943.46	4	1,580.19	4	1,216.96	4	854.15	4	490.90	4	132.47	4		4		4		4	
1/4	1,935.90	1/4	1,572.63	1/4	1,209.40	1/4	846.58	1/4	483.33	1/4	124.92	1/4		1/4		1/4		1/4	
1/2	1,928.33	1/2	1,565.06	1/2	1,201.84	1/2	839.02	1/2	475.76	1/2	117.36	1/2		1/2		1/2		1/2	
3/4	1,920.76	3/4	1,557.49	3/4	1,194.29	3/4	831.45	3/4	468.19	3/4	109.89	3/4		3/4		3/4		3/4	
5	1,913.19	5	1,549.92	5	1,186.73	5	823.88	5	460.63	5	102.42	5		5		5		5	
1/4	1,905.62	1/4	1,542.35	1/4	1,179.18	1/4	816.31	1/4	453.06	1/4	94.94	1/4		1/4		1/4		1/4	
1/2	1,898.05	1/2	1,534.79	1/2	1,171.62	1/2	808.75	1/2	445.49	1/2	87.47	1/2		1/2		1/2		1/2	
3/4	1,890.49	3/4	1,527.22	3/4	1,164.07	3/4	801.18	3/4	437.94	3/4	80.70	3/4		3/4		3/4		3/4	
6	1,882.92	6	1,519.65	6	1,156.51	6	793.61	6	430.39	6	73.94	6		6		6		6	
1/4	1,875.35	1/4	1,512.08	1/4	1,148.95	1/4	786.04	1/4	422.84	1/4	67.17	1/4		1/4		1/4		1/4	
1/2	1,867.78	1/2	1,504.51	1/2	1,141.40	1/2	778.47	1/2	415.29	1/2	60.41	1/2		1/2		1/2		1/2	
3/4	1,860.21	3/4	1,496.95	3/4	1,133.84	3/4	770.91	3/4	407.87	3/4	54.91	3/4		3/4		3/4		3/4	
7	1,852.65	7	1,489.38	7	1,126.29	7	763.34	7	400.45	7	49.40	7		7		7		7	
1/4	1,845.08	1/4	1,481.81	1/4	1,118.73	1/4	755.77	1/4	393.03	1/4	43.90	1/4		1/4		1/4		1/4	
1/2	1,837.51	1/2	1,474.24	1/2	1,111.17	1/2	748.20	1/2	385.61	1/2	38.40	1/2		1/2		1/2		1/2	
3/4	1,829.94	3/4	1,466.67	3/4	1,103.62	3/4	740.63	3/4	378.19	3/4	34.16	3/4		3/4		3/4		3/4	
8	1,822.37	8	1,459.10	8	1,096.06	8	733.07	8	370.77	8	29.91	8		8		8		8	
1/4	1,814.81	1/4	1,451.54	1/4	1,088.51	1/4	725.50	1/4	363.35	1/4	25.67	1/4		1/4		1/4		1/4	
1/2	1,807.24	1/2	1,443.97	1/2	1,080.95	1/2	717.93	1/2	355.93	1/2	21.42	1/2		1/2		1/2		1/2	
3/4	1,799.67	3/4	1,436.40	3/4	1,073.40	3/4	710.36	3/4	348.51	3/4		3/4		3/4		3/4		3/4	
9	1,792.10	9	1,428.83	9	1,065.84	9	702.80	9	341.09	9		9		9		9		9	
1/4	1,784.53	1/4	1,421.26	1/4	1,058.28	1/4	695.23	1/4	333.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,776.97	1/2	1,413.70	1/2	1,050.73	1/2	687.66	1/2	326.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,769.40	3/4	1,406.13	3/4	1,043.17	3/4	680.09	3/4	318.83	3/4		3/4		3/4		3/4		3/4	
10	1,761.83	10	1,398.56	10	1,035.62	10	672.52	10	311.41	10		10		10		10		10	
1/4	1,754.26	1/4	1,390.99	1/4	1,028.06	1/4	664.96	1/4	303.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,746.69	1/2	1,383.42	1/2	1,020.51	1/2	657.39	1/2	296.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,739.12	3/4	1,375.86	3/4	1,012.95	3/4	649.82	3/4	289.15	3/4		3/4		3/4		3/4		3/4	
11	1,731.56	11	1,368.29	11	1,005.39	11	642.25	11	281.73	11		11		11		11		11	
1/4	1,723.99	1/4	1,360.72	1/4	997.84	1/4	634.69	1/4	274.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,716.42	1/2	1,353.15	1/2	990.28	1/2	627.12	1/2	266.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,708.85	3/4	1,345.58	3/4	982.73	3/4	619.55	3/4	259.47	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/26/2019 JS
CALCULATED: 11/27/2019 CL
PRINTED: 11/29/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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

BARGE "DBL 317"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,252.97	0	4,919.50	0	4,583.42	0	4,228.20	0	3,864.90	0	3,501.61	0	3,138.32	0	2,775.03	0	2,411.84
1/4		1/4	5,247.84	1/4	4,912.68	1/4	4,576.19	1/4	4,220.63	1/4	3,857.34	1/4	3,494.04	1/4	3,130.75	1/4	2,767.47	1/4	2,404.27
1/2		1/2	5,242.71	1/2	4,905.87	1/2	4,568.97	1/2	4,213.06	1/2	3,849.77	1/2	3,486.47	1/2	3,123.18	1/2	2,759.92	1/2	2,396.70
3/4		3/4	5,237.58	3/4	4,899.06	3/4	4,561.74	3/4	4,205.49	3/4	3,842.20	3/4	3,478.91	3/4	3,115.61	3/4	2,752.36	3/4	2,389.13
1		1	5,232.45	1	4,892.24	1	4,554.52	1	4,197.92	1	3,834.63	1	3,471.34	1	3,108.04	1	2,744.81	1	2,381.56
1/4		1/4	5,226.11	1/4	4,885.40	1/4	4,547.26	1/4	4,190.35	1/4	3,827.06	1/4	3,463.77	1/4	3,100.48	1/4	2,737.25	1/4	2,373.98
1/2		1/2	5,219.76	1/2	4,878.55	1/2	4,540.00	1/2	4,182.79	1/2	3,819.49	1/2	3,456.20	1/2	3,092.91	1/2	2,729.69	1/2	2,366.41
3/4		3/4	5,213.42	3/4	4,871.71	3/4	4,532.74	3/4	4,175.22	3/4	3,811.92	3/4	3,448.63	3/4	3,085.34	3/4	2,722.14	3/4	2,358.84
2		2	5,207.07	2	4,864.86	2	4,525.48	2	4,167.65	2	3,804.36	2	3,441.06	2	3,077.77	2	2,714.58	2	2,351.27
1/4		1/4	5,199.74	1/4	4,857.99	1/4	4,518.19	1/4	4,160.08	1/4	3,796.79	1/4	3,433.49	1/4	3,070.20	1/4	2,707.02	1/4	2,343.70
1/2		1/2	5,192.41	1/2	4,851.11	1/2	4,510.90	1/2	4,152.51	1/2	3,789.22	1/2	3,425.93	1/2	3,062.63	1/2	2,699.47	1/2	2,336.13
3/4		3/4	5,185.08	3/4	4,844.23	3/4	4,503.61	3/4	4,144.94	3/4	3,781.65	3/4	3,418.36	3/4	3,055.06	3/4	2,691.91	3/4	2,328.56
3		3	5,177.75	3	4,837.36	3	4,496.32	3	4,137.37	3	3,774.08	3	3,410.79	3	3,047.50	3	2,684.36	3	2,320.98
1/4		1/4	5,170.28	1/4	4,830.45	1/4	4,489.00	1/4	4,129.81	1/4	3,766.51	1/4	3,403.22	1/4	3,039.93	1/4	2,676.80	1/4	2,313.41
1/2		1/2	5,162.81	1/2	4,823.54	1/2	4,481.68	1/2	4,122.24	1/2	3,758.94	1/2	3,395.65	1/2	3,032.36	1/2	2,669.24	1/2	2,305.84
3/4		3/4	5,155.34	3/4	4,816.63	3/4	4,474.36	3/4	4,114.67	3/4	3,751.38	3/4	3,388.08	3/4	3,024.79	3/4	2,661.68	3/4	2,298.27
4		4	5,147.87	4	4,809.72	4	4,467.04	4	4,107.10	4	3,743.81	4	3,380.51	4	3,017.22	4	2,654.12	4	2,290.70
1/4		1/4	5,140.40	1/4	4,802.78	1/4	4,459.69	1/4	4,099.53	1/4	3,736.24	1/4	3,372.95	1/4	3,009.65	1/4	2,646.55	1/4	2,283.13
1/2		1/2	5,132.93	1/2	4,795.83	1/2	4,452.33	1/2	4,091.96	1/2	3,728.67	1/2	3,365.38	1/2	3,002.08	1/2	2,638.98	1/2	2,275.56
3/4		3/4	5,125.46	3/4	4,788.89	3/4	4,444.98	3/4	4,084.39	3/4	3,721.10	3/4	3,357.81	3/4	2,994.52	3/4	2,631.41	3/4	2,267.98
5		5	5,117.99	5	4,781.95	5	4,437.63	5	4,076.83	5	3,713.53	5	3,350.24	5	2,986.95	5	2,623.84	5	2,260.41
1/4		1/4	5,110.52	1/4	4,774.97	1/4	4,430.24	1/4	4,069.26	1/4	3,705.96	1/4	3,342.67	1/4	2,979.38	1/4	2,616.27	1/4	2,252.84
1/2		1/2	5,103.05	1/2	4,768.00	1/2	4,422.85	1/2	4,061.69	1/2	3,698.40	1/2	3,335.10	1/2	2,971.81	1/2	2,608.70	1/2	2,245.27
3/4		3/4	5,095.58	3/4	4,761.03	3/4	4,415.46	3/4	4,054.12	3/4	3,690.83	3/4	3,327.53	3/4	2,964.24	3/4	2,601.13	3/4	2,237.70
6		6	5,088.11	6	4,754.05	6	4,408.07	6	4,046.55	6	3,683.26	6	3,319.97	6	2,956.67	6	2,593.55	6	2,230.13
1/4		1/4	5,080.64	1/4	4,747.05	1/4	4,400.66	1/4	4,038.98	1/4	3,675.69	1/4	3,312.40	1/4	2,949.10	1/4	2,585.98	1/4	2,222.56
1/2		1/2	5,073.17	1/2	4,740.04	1/2	4,393.24	1/2	4,031.41	1/2	3,668.12	1/2	3,304.83	1/2	2,941.54	1/2	2,578.41	1/2	2,214.98
3/4		3/4	5,065.70	3/4	4,733.03	3/4	4,385.82	3/4	4,023.85	3/4	3,660.55	3/4	3,297.26	3/4	2,933.97	3/4	2,570.84	3/4	2,207.41
7		7	5,058.23	7	4,726.02	7	4,378.40	7	4,016.28	7	3,652.98	7	3,289.69	7	2,926.40	7	2,563.27	7	2,199.84
1/4		1/4	5,050.81	1/4	4,718.96	1/4	4,370.96	1/4	4,008.71	1/4	3,645.42	1/4	3,282.12	1/4	2,918.83	1/4	2,555.70	1/4	2,192.27
1/2		1/2	5,043.39	1/2	4,711.89	1/2	4,363.51	1/2	4,001.14	1/2	3,637.85	1/2	3,274.55	1/2	2,911.26	1/2	2,548.13	1/2	2,184.70
3/4		3/4	5,035.97	3/4	4,704.82	3/4	4,356.06	3/4	3,993.57	3/4	3,630.28	3/4	3,266.99	3/4	2,903.69	3/4	2,540.55	3/4	2,177.13
8		8	5,028.56	8	4,697.76	8	4,348.61	8	3,986.00	8	3,622.71	8	3,259.42	8	2,896.12	8	2,532.98	8	2,169.56
1/4		1/4	5,021.55	1/4	4,690.66	1/4	4,341.13	1/4	3,978.43	1/4	3,615.14	1/4	3,251.85	1/4	2,888.56	1/4	2,525.41	1/4	2,161.98
1/2		1/2	5,014.54	1/2	4,683.56	1/2	4,333.65	1/2	3,970.86	1/2	3,607.57	1/2	3,244.28	1/2	2,880.99	1/2	2,517.84	1/2	2,154.41
3/4		3/4	5,007.53	3/4	4,676.45	3/4	4,326.17	3/4	3,963.30	3/4	3,600.00	3/4	3,236.71	3/4	2,873.42	3/4	2,510.27	3/4	2,146.84
9		9	5,000.53	9	4,669.35	9	4,318.70	9	3,955.73	9	3,592.43	9	3,229.14	9	2,865.85	9	2,502.70	9	2,139.27
1/4		1/4	4,993.81	1/4	4,662.22	1/4	4,311.18	1/4	3,948.16	1/4	3,584.87	1/4	3,221.57	1/4	2,858.28	1/4	2,495.13	1/4	2,131.70
1/2		1/2	4,987.09	1/2	4,655.09	1/2	4,303.67	1/2	3,940.59	1/2	3,577.30	1/2	3,214.00	1/2	2,850.71	1/2	2,487.55	1/2	2,124.13
3/4		3/4	4,980.37	3/4	4,647.96	3/4	4,296.16	3/4	3,933.02	3/4	3,569.73	3/4	3,206.44	3/4	2,843.14	3/4	2,479.98	3/4	2,116.56
10		10	4,973.65	10	4,640.83	10	4,288.65	10	3,925.45	10	3,562.16	10	3,198.87	10	2,835.57	10	2,472.41	10	2,108.98
1/4		1/4	4,966.90	1/4	4,633.67	1/4	4,281.10	1/4	3,917.88	1/4	3,554.59	1/4	3,191.30	1/4	2,828.01	1/4	2,464.84	1/4	2,101.41
1/2		1/2	4,960.14	1/2	4,626.51	1/2	4,273.56	1/2	3,910.32	1/2	3,547.02	1/2	3,183.73	1/2	2,820.44	1/2	2,457.27	1/2	2,093.84
3/4		3/4	4,953.39	3/4	4,619.35	3/4	4,266.01	3/4	3,902.75	3/4	3,539.45	3/4	3,176.16	3/4	2,812.87	3/4	2,449.70	3/4	2,086.27
11		11	4,946.64	11	4,612.19	11	4,258.47	11	3,895.18	11	3,531.89	11	3,168.59	11	2,805.30	11	2,442.13	11	2,078.70
1/4		1/4	4,939.85	1/4	4,604.99	1/4	4,250.90	1/4	3,887.61	1/4	3,524.32	1/4	3,161.02	1/4	2,797.73	1/4	2,434.56	1/4	2,071.13
1/2		1/2	4,933.07	1/2	4,597.80	1/2	4,243.33	1/2	3,880.04	1/2	3,516.75	1/2	3,153.46	1/2	2,790.17	1/2	2,426.98	1/2	2,063.56
3/4		3/4	4,926.28	3/4	4,590.61	3/4	4,235.76	3/4	3,872.47	3/4	3,509.18	3/4	3,145.89	3/4	2,782.60	3/4	2,419.41	3/4	2,055.99

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" 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 317"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,048.41	0	1,684.99	0	1,321.56	0	960.18	0	597.10	0	237.31	0		0		0		0	
1/4	2,040.84	1/4	1,677.42	1/4	1,313.99	1/4	952.66	1/4	589.53	1/4	229.89	1/4		1/4		1/4		1/4	
1/2	2,033.27	1/2	1,669.84	1/2	1,306.42	1/2	945.14	1/2	581.96	1/2	222.47	1/2		1/2		1/2		1/2	
3/4	2,025.70	3/4	1,662.27	3/4	1,298.85	3/4	937.62	3/4	574.39	3/4	215.04	3/4		3/4		3/4		3/4	
1	2,018.13	1	1,654.70	1	1,291.27	1	930.10	1	566.82	1	207.62	1		1		1		1	
1/4	2,010.56	1/4	1,647.13	1/4	1,283.71	1/4	922.56	1/4	559.25	1/4	200.18	1/4		1/4		1/4		1/4	
1/2	2,002.99	1/2	1,639.56	1/2	1,276.14	1/2	915.02	1/2	551.68	1/2	192.74	1/2		1/2		1/2		1/2	
3/4	1,995.41	3/4	1,631.99	3/4	1,268.57	3/4	907.48	3/4	544.11	3/4	185.30	3/4		3/4		3/4		3/4	
2	1,987.84	2	1,624.42	2	1,261.01	2	899.95	2	536.53	2	177.86	2		2		2		2	
1/4	1,980.27	1/4	1,616.84	1/4	1,253.48	1/4	892.38	1/4	528.96	1/4	170.30	1/4		1/4		1/4		1/4	
1/2	1,972.70	1/2	1,609.27	1/2	1,245.95	1/2	884.80	1/2	521.39	1/2	162.75	1/2		1/2		1/2		1/2	
3/4	1,965.13	3/4	1,601.70	3/4	1,238.42	3/4	877.23	3/4	513.82	3/4	155.19	3/4		3/4		3/4		3/4	
3	1,957.56	3	1,594.13	3	1,230.89	3	869.66	3	506.25	3	147.63	3		3		3		3	
1/4	1,949.99	1/4	1,586.56	1/4	1,223.37	1/4	862.09	1/4	498.68	1/4	140.08	1/4		1/4		1/4		1/4	
1/2	1,942.41	1/2	1,578.99	1/2	1,215.85	1/2	854.52	1/2	491.11	1/2	132.52	1/2		1/2		1/2		1/2	
3/4	1,934.84	3/4	1,571.42	3/4	1,208.33	3/4	846.95	3/4	483.54	3/4	124.97	3/4		3/4		3/4		3/4	
4	1,927.27	4	1,563.84	4	1,200.81	4	839.38	4	475.97	4	117.41	4		4		4		4	
1/4	1,919.70	1/4	1,556.27	1/4	1,193.29	1/4	831.81	1/4	468.39	1/4	109.93	1/4		1/4		1/4		1/4	
1/2	1,912.13	1/2	1,548.70	1/2	1,185.77	1/2	824.24	1/2	460.82	1/2	102.45	1/2		1/2		1/2		1/2	
3/4	1,904.56	3/4	1,541.13	3/4	1,178.25	3/4	816.66	3/4	453.25	3/4	94.98	3/4		3/4		3/4		3/4	
5	1,896.99	5	1,533.56	5	1,170.73	5	809.09	5	445.68	5	87.50	5		5		5		5	
1/4	1,889.41	1/4	1,525.99	1/4	1,163.21	1/4	801.52	1/4	438.13	1/4	80.73	1/4		1/4		1/4		1/4	
1/2	1,881.84	1/2	1,518.42	1/2	1,155.69	1/2	793.95	1/2	430.58	1/2	73.96	1/2		1/2		1/2		1/2	
3/4	1,874.27	3/4	1,510.84	3/4	1,148.17	3/4	786.38	3/4	423.02	3/4	67.20	3/4		3/4		3/4		3/4	
6	1,866.70	6	1,503.27	6	1,140.65	6	778.81	6	415.47	6	60.43	6		6		6		6	
1/4	1,859.13	1/4	1,495.70	1/4	1,133.13	1/4	771.24	1/4	408.05	1/4	54.93	1/4		1/4		1/4		1/4	
1/2	1,851.56	1/2	1,488.13	1/2	1,125.61	1/2	763.67	1/2	400.62	1/2	49.42	1/2		1/2		1/2		1/2	
3/4	1,843.99	3/4	1,480.56	3/4	1,118.09	3/4	756.10	3/4	393.20	3/4	43.92	3/4		3/4		3/4		3/4	
7	1,836.41	7	1,472.99	7	1,110.57	7	748.52	7	385.78	7	38.41	7		7		7		7	
1/4	1,828.84	1/4	1,465.42	1/4	1,103.05	1/4	740.95	1/4	378.35	1/4	34.17	1/4		1/4		1/4		1/4	
1/2	1,821.27	1/2	1,457.84	1/2	1,095.53	1/2	733.38	1/2	370.93	1/2	29.92	1/2		1/2		1/2		1/2	
3/4	1,813.70	3/4	1,450.27	3/4	1,088.01	3/4	725.81	3/4	363.51	3/4	25.68	3/4		3/4		3/4		3/4	
8	1,806.13	8	1,442.70	8	1,080.49	8	718.24	8	356.08	8	21.43	8		8		8		8	
1/4	1,798.56	1/4	1,435.13	1/4	1,072.97	1/4	710.67	1/4	348.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,790.99	1/2	1,427.56	1/2	1,065.45	1/2	703.10	1/2	341.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,783.41	3/4	1,419.99	3/4	1,057.94	3/4	695.53	3/4	333.81	3/4		3/4		3/4		3/4		3/4	
9	1,775.84	9	1,412.42	9	1,050.42	9	687.96	9	326.39	9		9		9		9		9	
1/4	1,768.27	1/4	1,404.84	1/4	1,042.90	1/4	680.38	1/4	318.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,760.70	1/2	1,397.27	1/2	1,035.38	1/2	672.81	1/2	311.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,753.13	3/4	1,389.70	3/4	1,027.86	3/4	665.24	3/4	304.12	3/4		3/4		3/4		3/4		3/4	
10	1,745.56	10	1,382.13	10	1,020.34	10	657.67	10	296.70	10		10		10		10		10	
1/4	1,737.99	1/4	1,374.56	1/4	1,012.82	1/4	650.10	1/4	289.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,730.41	1/2	1,366.99	1/2	1,005.30	1/2	642.53	1/2	281.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,722.84	3/4	1,359.42	3/4	997.78	3/4	634.96	3/4	274.43	3/4		3/4		3/4		3/4		3/4	
11	1,715.27	11	1,351.84	11	990.26	11	627.39	11	267.01	11		11		11		11		11	
1/4	1,707.70	1/4	1,344.27	1/4	982.74	1/4	619.82	1/4	259.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,700.13	1/2	1,336.70	1/2	975.22	1/2	612.25	1/2	252.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,692.56	3/4	1,329.13	3/4	967.70	3/4	604.67	3/4	244.74	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/26/2019 JS
CALCULATED: 11/27/2019 CL
PRINTED: 11/29/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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

BARGE "DBL 317"

2 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,927.54	0	4,594.52	0	4,242.31	0	3,880.61	0	3,518.87	0	3,157.12	0	2,795.37	0	2,433.57
1/4		1/4		1/4	4,920.78	1/4	4,587.36	1/4	4,234.79	1/4	3,873.08	1/4	3,511.33	1/4	3,149.58	1/4	2,787.84	1/4	2,426.03
1/2		1/2		1/2	4,914.03	1/2	4,580.20	1/2	4,227.26	1/2	3,865.54	1/2	3,503.79	1/2	3,142.05	1/2	2,780.30	1/2	2,418.49
3/4		3/4		3/4	4,907.27	3/4	4,573.04	3/4	4,219.74	3/4	3,858.00	3/4	3,496.26	3/4	3,134.51	3/4	2,772.76	3/4	2,410.95
1		1	5,232.56	1	4,900.52	1	4,565.88	1	4,212.22	1	3,850.47	1	3,488.72	1	3,126.97	1	2,765.23	1	2,403.41
1/4		1/4	5,227.45	1/4	4,893.73	1/4	4,558.68	1/4	4,204.68	1/4	3,842.93	1/4	3,481.18	1/4	3,119.44	1/4	2,757.69	1/4	2,395.87
1/2		1/2	5,222.35	1/2	4,886.95	1/2	4,551.49	1/2	4,197.14	1/2	3,835.40	1/2	3,473.65	1/2	3,111.90	1/2	2,750.15	1/2	2,388.33
3/4		3/4	5,217.24	3/4	4,880.16	3/4	4,544.29	3/4	4,189.61	3/4	3,827.86	3/4	3,466.11	3/4	3,104.36	3/4	2,742.62	3/4	2,380.79
2		2	5,212.13	2	4,873.38	2	4,537.10	2	4,182.07	2	3,820.32	2	3,458.58	2	3,096.83	2	2,735.08	2	2,373.26
1/4		1/4	5,205.82	1/4	4,866.56	1/4	4,529.87	1/4	4,174.53	1/4	3,812.79	1/4	3,451.04	1/4	3,089.29	1/4	2,727.54	1/4	2,365.72
1/2		1/2	5,199.50	1/2	4,859.75	1/2	4,522.64	1/2	4,167.00	1/2	3,805.25	1/2	3,443.50	1/2	3,081.76	1/2	2,720.01	1/2	2,358.18
3/4		3/4	5,193.18	3/4	4,852.93	3/4	4,515.41	3/4	4,159.46	3/4	3,797.71	3/4	3,435.97	3/4	3,074.22	3/4	2,712.47	3/4	2,350.64
3		3	5,186.86	3	4,846.11	3	4,508.19	3	4,151.92	3	3,790.18	3	3,428.43	3	3,066.68	3	2,704.94	3	2,343.10
1/4		1/4	5,179.56	1/4	4,839.27	1/4	4,500.93	1/4	4,144.39	1/4	3,782.64	1/4	3,420.89	1/4	3,059.15	1/4	2,697.40	1/4	2,335.56
1/2		1/2	5,172.26	1/2	4,832.42	1/2	4,493.67	1/2	4,136.85	1/2	3,775.10	1/2	3,413.36	1/2	3,051.61	1/2	2,689.86	1/2	2,328.02
3/4		3/4	5,164.96	3/4	4,825.58	3/4	4,486.41	3/4	4,129.31	3/4	3,767.57	3/4	3,405.82	3/4	3,044.07	3/4	2,682.33	3/4	2,320.48
4		4	5,157.65	4	4,818.73	4	4,479.15	4	4,121.78	4	3,760.03	4	3,398.28	4	3,036.54	4	2,674.79	4	2,312.94
1/4		1/4	5,150.22	1/4	4,811.85	1/4	4,471.86	1/4	4,114.24	1/4	3,752.49	1/4	3,390.75	1/4	3,029.00	1/4	2,667.25	1/4	2,305.40
1/2		1/2	5,142.78	1/2	4,804.97	1/2	4,464.58	1/2	4,106.71	1/2	3,744.96	1/2	3,383.21	1/2	3,021.46	1/2	2,659.72	1/2	2,297.86
3/4		3/4	5,135.34	3/4	4,798.09	3/4	4,457.29	3/4	4,099.17	3/4	3,737.42	3/4	3,375.67	3/4	3,013.93	3/4	2,652.18	3/4	2,290.33
5		5	5,127.90	5	4,791.21	5	4,450.00	5	4,091.63	5	3,729.89	5	3,368.14	5	3,006.39	5	2,644.64	5	2,282.79
1/4		1/4	5,120.46	1/4	4,784.30	1/4	4,442.68	1/4	4,084.10	1/4	3,722.35	1/4	3,360.60	1/4	2,998.85	1/4	2,637.11	1/4	2,275.25
1/2		1/2	5,113.03	1/2	4,777.38	1/2	4,435.35	1/2	4,076.56	1/2	3,714.81	1/2	3,353.07	1/2	2,991.32	1/2	2,629.58	1/2	2,267.71
3/4		3/4	5,105.59	3/4	4,770.47	3/4	4,428.03	3/4	4,069.02	3/4	3,707.28	3/4	3,345.53	3/4	2,983.78	3/4	2,622.04	3/4	2,260.17
6		6	5,098.15	6	4,763.56	6	4,420.71	6	4,061.49	6	3,699.74	6	3,337.99	6	2,976.25	6	2,614.51	6	2,252.63
1/4		1/4	5,090.71	1/4	4,756.61	1/4	4,413.35	1/4	4,053.95	1/4	3,692.20	1/4	3,330.46	1/4	2,968.71	1/4	2,606.97	1/4	2,245.09
1/2		1/2	5,083.28	1/2	4,749.67	1/2	4,406.00	1/2	4,046.41	1/2	3,684.67	1/2	3,322.92	1/2	2,961.17	1/2	2,599.43	1/2	2,237.55
3/4		3/4	5,075.84	3/4	4,742.73	3/4	4,398.64	3/4	4,038.88	3/4	3,677.13	3/4	3,315.38	3/4	2,953.64	3/4	2,591.89	3/4	2,230.01
7		7	5,068.40	7	4,735.78	7	4,391.28	7	4,031.34	7	3,669.59	7	3,307.85	7	2,946.10	7	2,584.35	7	2,222.47
1/4		1/4	5,060.96	1/4	4,728.81	1/4	4,383.90	1/4	4,023.81	1/4	3,662.06	1/4	3,300.31	1/4	2,938.56	1/4	2,576.81	1/4	2,214.93
1/2		1/2	5,053.52	1/2	4,721.83	1/2	4,376.51	1/2	4,016.27	1/2	3,654.52	1/2	3,292.77	1/2	2,931.03	1/2	2,569.27	1/2	2,207.40
3/4		3/4	5,046.09	3/4	4,714.85	3/4	4,369.13	3/4	4,008.73	3/4	3,646.99	3/4	3,285.24	3/4	2,923.49	3/4	2,561.73	3/4	2,199.86
8		8	5,038.65	8	4,707.87	8	4,361.74	8	4,001.20	8	3,639.45	8	3,277.70	8	2,915.95	8	2,554.19	8	2,192.32
1/4		1/4	5,031.26	1/4	4,700.84	1/4	4,354.32	1/4	3,993.66	1/4	3,631.91	1/4	3,270.17	1/4	2,908.42	1/4	2,546.65	1/4	2,184.78
1/2		1/2	5,023.88	1/2	4,693.80	1/2	4,346.91	1/2	3,986.12	1/2	3,624.38	1/2	3,262.63	1/2	2,900.88	1/2	2,539.12	1/2	2,177.24
3/4		3/4	5,016.49	3/4	4,686.76	3/4	4,339.49	3/4	3,978.59	3/4	3,616.84	3/4	3,255.09	3/4	2,893.35	3/4	2,531.58	3/4	2,169.70
9		9	5,009.11	9	4,679.73	9	4,332.08	9	3,971.05	9	3,609.30	9	3,247.56	9	2,885.81	9	2,524.04	9	2,162.16
1/4		1/4	5,002.13	1/4	4,672.66	1/4	4,324.63	1/4	3,963.51	1/4	3,601.77	1/4	3,240.02	1/4	2,878.27	1/4	2,516.50	1/4	2,154.62
1/2		1/2	4,995.15	1/2	4,665.59	1/2	4,317.18	1/2	3,955.98	1/2	3,594.23	1/2	3,232.48	1/2	2,870.74	1/2	2,508.96	1/2	2,147.08
3/4		3/4	4,988.17	3/4	4,658.51	3/4	4,309.73	3/4	3,948.44	3/4	3,586.69	3/4	3,224.95	3/4	2,863.20	3/4	2,501.42	3/4	2,139.54
10		10	4,981.20	10	4,651.44	10	4,302.29	10	3,940.90	10	3,579.16	10	3,217.41	10	2,855.66	10	2,493.88	10	2,132.00
1/4		1/4	4,974.51	1/4	4,644.34	1/4	4,294.81	1/4	3,933.37	1/4	3,571.62	1/4	3,209.87	1/4	2,848.13	1/4	2,486.34	1/4	2,124.46
1/2		1/2	4,967.82	1/2	4,637.24	1/2	4,287.33	1/2	3,925.83	1/2	3,564.08	1/2	3,202.34	1/2	2,840.59	1/2	2,478.80	1/2	2,116.93
3/4		3/4	4,961.13	3/4	4,630.14	3/4	4,279.85	3/4	3,918.30	3/4	3,556.55	3/4	3,194.80	3/4	2,833.05	3/4	2,471.26	3/4	2,109.39
11		11	4,954.43	11	4,623.04	11	4,272.37	11	3,910.76	11	3,549.01	11	3,187.26	11	2,825.52	11	2,463.72	11	2,101.85
1/4		1/4	4,947.71	1/4	4,615.91	1/4	4,264.85	1/4	3,903.22	1/4	3,541.48	1/4	3,179.73	1/4	2,817.98	1/4	2,456.19	1/4	2,094.31
1/2		1/2	4,940.99	1/2	4,608.78	1/2	4,257.34	1/2	3,895.69	1/2	3,533.94	1/2	3,172.19	1/2	2,810.44	1/2	2,448.65	1/2	2,086.77
3/4		3/4	4,934.26	3/4	4,601.65	3/4	4,249.83	3/4	3,888.15	3/4	3,526.40	3/4	3,164.66	3/4	2,802.91	3/4	2,441.11	3/4	2,079.23

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" 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 317"

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,071.69	0	1,709.81	0	1,347.94	0	986.46	0	624.69	0	265.86	0		0		0		0	
1/4	2,064.15	1/4	1,702.28	1/4	1,340.40	1/4	978.94	1/4	617.15	1/4	258.47	1/4		1/4		1/4		1/4	
1/2	2,056.61	1/2	1,694.74	1/2	1,332.86	1/2	971.41	1/2	609.62	1/2	251.08	1/2		1/2		1/2		1/2	
3/4	2,049.07	3/4	1,687.20	3/4	1,325.32	3/4	963.88	3/4	602.08	3/4	243.69	3/4		3/4		3/4		3/4	
1	2,041.53	1	1,679.66	1	1,317.78	1	956.35	1	594.54	1	236.30	1		1		1		1	
1/4	2,034.00	1/4	1,672.12	1/4	1,310.24	1/4	948.83	1/4	587.00	1/4	228.90	1/4		1/4		1/4		1/4	
1/2	2,026.46	1/2	1,664.58	1/2	1,302.70	1/2	941.30	1/2	579.46	1/2	221.51	1/2		1/2		1/2		1/2	
3/4	2,018.92	3/4	1,657.04	3/4	1,295.16	3/4	933.77	3/4	571.92	3/4	214.12	3/4		3/4		3/4		3/4	
2	2,011.38	2	1,649.50	2	1,287.62	2	926.24	2	564.38	2	206.73	2		2		2		2	
1/4	2,003.84	1/4	1,641.96	1/4	1,280.09	1/4	918.71	1/4	556.84	1/4	199.32	1/4		1/4		1/4		1/4	
1/2	1,996.30	1/2	1,634.42	1/2	1,272.55	1/2	911.17	1/2	549.30	1/2	191.92	1/2		1/2		1/2		1/2	
3/4	1,988.76	3/4	1,626.88	3/4	1,265.01	3/4	903.63	3/4	541.77	3/4	184.51	3/4		3/4		3/4		3/4	
3	1,981.22	3	1,619.35	3	1,257.47	3	896.09	3	534.23	3	177.10	3		3		3		3	
1/4	1,973.68	1/4	1,611.81	1/4	1,249.93	1/4	888.55	1/4	526.69	1/4	169.58	1/4		1/4		1/4		1/4	
1/2	1,966.14	1/2	1,604.27	1/2	1,242.40	1/2	881.01	1/2	519.15	1/2	162.05	1/2		1/2		1/2		1/2	
3/4	1,958.60	3/4	1,596.73	3/4	1,234.86	3/4	873.47	3/4	511.61	3/4	154.53	3/4		3/4		3/4		3/4	
4	1,951.07	4	1,589.19	4	1,227.32	4	865.93	4	504.07	4	147.00	4		4		4		4	
1/4	1,943.53	1/4	1,581.65	1/4	1,219.80	1/4	858.40	1/4	496.53	1/4	139.48	1/4		1/4		1/4		1/4	
1/2	1,935.99	1/2	1,574.11	1/2	1,212.27	1/2	850.86	1/2	488.99	1/2	131.96	1/2		1/2		1/2		1/2	
3/4	1,928.45	3/4	1,566.57	3/4	1,204.74	3/4	843.32	3/4	481.46	3/4	124.43	3/4		3/4		3/4		3/4	
5	1,920.91	5	1,559.03	5	1,197.22	5	835.78	5	473.92	5	116.91	5		5		5		5	
1/4	1,913.37	1/4	1,551.49	1/4	1,189.69	1/4	828.24	1/4	466.38	1/4	109.46	1/4		1/4		1/4		1/4	
1/2	1,905.83	1/2	1,543.95	1/2	1,182.16	1/2	820.70	1/2	458.84	1/2	102.02	1/2		1/2		1/2		1/2	
3/4	1,898.29	3/4	1,536.42	3/4	1,174.63	3/4	813.16	3/4	451.30	3/4	94.57	3/4		3/4		3/4		3/4	
6	1,890.75	6	1,528.88	6	1,167.11	6	805.62	6	443.76	6	87.13	6		6		6		6	
1/4	1,883.21	1/4	1,521.34	1/4	1,159.58	1/4	798.09	1/4	436.24	1/4	80.39	1/4		1/4		1/4		1/4	
1/2	1,875.67	1/2	1,513.80	1/2	1,152.05	1/2	790.55	1/2	428.72	1/2	73.65	1/2		1/2		1/2		1/2	
3/4	1,868.14	3/4	1,506.26	3/4	1,144.53	3/4	783.01	3/4	421.20	3/4	66.91	3/4		3/4		3/4		3/4	
7	1,860.60	7	1,498.72	7	1,137.00	7	775.47	7	413.68	7	60.17	7		7		7		7	
1/4	1,853.06	1/4	1,491.18	1/4	1,129.47	1/4	767.93	1/4	406.29	1/4	54.69	1/4		1/4		1/4		1/4	
1/2	1,845.52	1/2	1,483.64	1/2	1,121.95	1/2	760.39	1/2	398.90	1/2	49.21	1/2		1/2		1/2		1/2	
3/4	1,837.98	3/4	1,476.10	3/4	1,114.42	3/4	752.85	3/4	391.51	3/4	43.73	3/4		3/4		3/4		3/4	
8	1,830.44	8	1,468.56	8	1,106.89	8	745.31	8	384.12	8	38.25	8		8		8		8	
1/4	1,822.90	1/4	1,461.02	1/4	1,099.37	1/4	737.77	1/4	376.72	1/4	34.02	1/4		1/4		1/4		1/4	
1/2	1,815.36	1/2	1,453.49	1/2	1,091.84	1/2	730.24	1/2	369.33	1/2	29.80	1/2		1/2		1/2		1/2	
3/4	1,807.82	3/4	1,445.95	3/4	1,084.31	3/4	722.70	3/4	361.94	3/4	25.57	3/4		3/4		3/4		3/4	
9	1,800.28	9	1,438.41	9	1,076.78	9	715.16	9	354.55	9	21.34	9		9		9		9	
1/4	1,792.74	1/4	1,430.87	1/4	1,069.26	1/4	707.62	1/4	347.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,785.21	1/2	1,423.33	1/2	1,061.73	1/2	700.08	1/2	339.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,777.67	3/4	1,415.79	3/4	1,054.20	3/4	692.54	3/4	332.38	3/4		3/4		3/4		3/4		3/4	
10	1,770.13	10	1,408.25	10	1,046.68	10	685.00	10	324.99	10		10		10		10		10	
1/4	1,762.59	1/4	1,400.71	1/4	1,039.15	1/4	677.46	1/4	317.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,755.05	1/2	1,393.17	1/2	1,031.62	1/2	669.93	1/2	310.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,747.51	3/4	1,385.63	3/4	1,024.10	3/4	662.39	3/4	302.81	3/4		3/4		3/4		3/4		3/4	
11	1,739.97	11	1,378.09	11	1,016.57	11	654.85	11	295.42	11		11		11		11		11	
1/4	1,732.43	1/4	1,370.55	1/4	1,009.04	1/4	647.31	1/4	288.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,724.89	1/2	1,363.02	1/2	1,001.52	1/2	639.77	1/2	280.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,717.35	3/4	1,355.48	3/4	993.99	3/4	632.23	3/4	273.25	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/26/2019 JS
CALCULATED: 11/27/2019 CL
PRINTED: 11/29/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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

BARGE "DBL 317"

2 STBD

ULLAGE 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		0		0	4,891.87	0	4,557.47	0	4,203.99	0	3,842.09	0	3,480.19	0	3,118.29	0	2,756.43	0	2,396.12
1/4		1/4	5,217.30	1/4	4,885.11	1/4	4,550.31	1/4	4,196.46	1/4	3,834.56	1/4	3,472.65	1/4	3,110.75	1/4	2,748.91	1/4	2,388.58
1/2		1/2	5,212.19	1/2	4,878.32	1/2	4,543.11	1/2	4,188.92	1/2	3,827.02	1/2	3,465.11	1/2	3,103.21	1/2	2,741.47	1/2	2,381.03
3/4		3/4	5,207.08	3/4	4,871.53	3/4	4,535.91	3/4	4,181.38	3/4	3,819.48	3/4	3,457.58	3/4	3,095.67	3/4	2,734.04	3/4	2,373.49
1		1	5,201.97	1	4,864.74	1	4,528.72	1	4,173.84	1	3,811.94	1	3,450.04	1	3,088.13	1	2,726.61	1	2,365.95
1/4		1/4	5,196.86	1/4	4,857.95	1/4	4,521.52	1/4	4,166.30	1/4	3,804.40	1/4	3,442.50	1/4	3,080.60	1/4	2,719.17	1/4	2,358.41
1/2		1/2	5,190.54	1/2	4,851.13	1/2	4,514.29	1/2	4,158.76	1/2	3,796.86	1/2	3,434.96	1/2	3,073.06	1/2	2,711.74	1/2	2,350.86
3/4		3/4	5,184.22	3/4	4,844.32	3/4	4,507.05	3/4	4,151.22	3/4	3,789.32	3/4	3,427.42	3/4	3,065.52	3/4	2,704.31	3/4	2,343.32
2		2	5,177.90	2	4,837.50	2	4,499.82	2	4,143.68	2	3,781.78	2	3,419.88	2	3,057.98	2	2,696.87	2	2,335.78
1/4		1/4	5,171.58	1/4	4,830.68	1/4	4,492.59	1/4	4,136.14	1/4	3,774.24	1/4	3,412.34	1/4	3,050.44	1/4	2,689.44	1/4	2,328.24
1/2		1/2	5,164.28	1/2	4,823.83	1/2	4,485.33	1/2	4,128.60	1/2	3,766.70	1/2	3,404.80	1/2	3,042.90	1/2	2,682.01	1/2	2,320.69
3/4		3/4	5,156.97	3/4	4,816.98	3/4	4,478.07	3/4	4,121.06	3/4	3,759.16	3/4	3,397.26	3/4	3,035.36	3/4	2,674.57	3/4	2,313.15
3		3	5,149.67	3	4,810.13	3	4,470.81	3	4,113.52	3	3,751.62	3	3,389.72	3	3,027.82	3	2,667.14	3	2,305.61
1/4		1/4	5,142.36	1/4	4,803.28	1/4	4,463.55	1/4	4,105.98	1/4	3,744.08	1/4	3,382.18	1/4	3,020.28	1/4	2,659.71	1/4	2,298.07
1/2		1/2	5,134.92	1/2	4,796.40	1/2	4,456.25	1/2	4,098.44	1/2	3,736.54	1/2	3,374.64	1/2	3,012.74	1/2	2,652.26	1/2	2,290.52
3/4		3/4	5,127.48	3/4	4,789.51	3/4	4,448.96	3/4	4,090.90	3/4	3,729.00	3/4	3,367.10	3/4	3,005.20	3/4	2,644.82	3/4	2,282.98
4		4	5,120.04	4	4,782.63	4	4,441.67	4	4,083.36	4	3,721.46	4	3,359.56	4	2,997.66	4	2,637.37	4	2,275.44
1/4		1/4	5,112.60	1/4	4,775.75	1/4	4,434.38	1/4	4,075.82	1/4	3,713.92	1/4	3,352.02	1/4	2,990.12	1/4	2,629.92	1/4	2,267.90
1/2		1/2	5,105.16	1/2	4,768.83	1/2	4,427.05	1/2	4,068.28	1/2	3,706.38	1/2	3,344.48	1/2	2,982.58	1/2	2,622.38	1/2	2,260.35
3/4		3/4	5,097.72	3/4	4,761.91	3/4	4,419.73	3/4	4,060.74	3/4	3,698.84	3/4	3,336.94	3/4	2,975.04	3/4	2,614.84	3/4	2,252.81
5		5	5,090.28	5	4,755.00	5	4,412.40	5	4,053.20	5	3,691.30	5	3,329.40	5	2,967.50	5	2,607.30	5	2,245.27
1/4		1/4	5,082.83	1/4	4,748.08	1/4	4,405.07	1/4	4,045.66	1/4	3,683.76	1/4	3,321.86	1/4	2,959.96	1/4	2,599.76	1/4	2,237.73
1/2		1/2	5,075.39	1/2	4,741.13	1/2	4,397.71	1/2	4,038.12	1/2	3,676.22	1/2	3,314.32	1/2	2,952.42	1/2	2,592.22	1/2	2,230.18
3/4		3/4	5,067.95	3/4	4,734.19	3/4	4,390.35	3/4	4,030.58	3/4	3,668.68	3/4	3,306.78	3/4	2,944.88	3/4	2,584.68	3/4	2,222.64
6		6	5,060.51	6	4,727.24	6	4,382.99	6	4,023.05	6	3,661.14	6	3,299.24	6	2,937.34	6	2,577.14	6	2,215.10
1/4		1/4	5,053.07	1/4	4,720.29	1/4	4,375.64	1/4	4,015.51	1/4	3,653.60	1/4	3,291.70	1/4	2,929.80	1/4	2,569.59	1/4	2,207.56
1/2		1/2	5,045.63	1/2	4,713.31	1/2	4,368.25	1/2	4,007.97	1/2	3,646.07	1/2	3,284.16	1/2	2,922.26	1/2	2,562.05	1/2	2,200.02
3/4		3/4	5,038.19	3/4	4,706.33	3/4	4,360.86	3/4	4,000.43	3/4	3,638.53	3/4	3,276.62	3/4	2,914.72	3/4	2,554.51	3/4	2,192.47
7		7	5,030.75	7	4,699.35	7	4,353.47	7	3,992.89	7	3,630.99	7	3,269.09	7	2,907.18	7	2,546.97	7	2,184.93
1/4		1/4	5,023.30	1/4	4,692.37	1/4	4,346.08	1/4	3,985.35	1/4	3,623.45	1/4	3,261.55	1/4	2,899.64	1/4	2,539.42	1/4	2,177.39
1/2		1/2	5,015.92	1/2	4,685.33	1/2	4,338.66	1/2	3,977.81	1/2	3,615.91	1/2	3,254.01	1/2	2,892.11	1/2	2,531.88	1/2	2,169.85
3/4		3/4	5,008.53	3/4	4,678.29	3/4	4,331.24	3/4	3,970.27	3/4	3,608.37	3/4	3,246.47	3/4	2,884.57	3/4	2,524.34	3/4	2,162.30
8		8	5,001.14	8	4,671.25	8	4,323.82	8	3,962.73	8	3,600.83	8	3,238.93	8	2,877.03	8	2,516.80	8	2,154.76
1/4		1/4	4,993.75	1/4	4,664.21	1/4	4,316.40	1/4	3,955.19	1/4	3,593.29	1/4	3,231.39	1/4	2,869.49	1/4	2,509.25	1/4	2,147.22
1/2		1/2	4,986.77	1/2	4,657.14	1/2	4,308.95	1/2	3,947.65	1/2	3,585.75	1/2	3,223.85	1/2	2,861.95	1/2	2,501.71	1/2	2,139.68
3/4		3/4	4,979.79	3/4	4,650.06	3/4	4,301.50	3/4	3,940.11	3/4	3,578.21	3/4	3,216.31	3/4	2,854.41	3/4	2,494.17	3/4	2,132.13
9		9	4,972.81	9	4,642.99	9	4,294.05	9	3,932.57	9	3,570.67	9	3,208.77	9	2,846.87	9	2,486.63	9	2,124.59
1/4		1/4	4,965.83	1/4	4,635.92	1/4	4,286.60	1/4	3,925.03	1/4	3,563.13	1/4	3,201.23	1/4	2,839.33	1/4	2,479.08	1/4	2,117.05
1/2		1/2	4,959.13	1/2	4,628.81	1/2	4,279.12	1/2	3,917.49	1/2	3,555.59	1/2	3,193.69	1/2	2,831.79	1/2	2,471.54	1/2	2,109.51
3/4		3/4	4,952.44	3/4	4,621.71	3/4	4,271.63	3/4	3,909.95	3/4	3,548.05	3/4	3,186.15	3/4	2,824.25	3/4	2,464.00	3/4	2,101.96
10		10	4,945.75	10	4,614.61	10	4,264.15	10	3,902.41	10	3,540.51	10	3,178.61	10	2,816.71	10	2,456.46	10	2,094.42
1/4		1/4	4,939.05	1/4	4,607.50	1/4	4,256.66	1/4	3,894.87	1/4	3,532.97	1/4	3,171.07	1/4	2,809.17	1/4	2,448.91	1/4	2,086.88
1/2		1/2	4,932.32	1/2	4,600.37	1/2	4,249.15	1/2	3,887.33	1/2	3,525.43	1/2	3,163.53	1/2	2,801.63	1/2	2,441.37	1/2	2,079.34
3/4		3/4	4,925.60	3/4	4,593.23	3/4	4,241.63	3/4	3,879.79	3/4	3,517.89	3/4	3,155.99	3/4	2,794.09	3/4	2,433.83	3/4	2,071.79
11		11	4,918.87	11	4,586.10	11	4,234.12	11	3,872.25	11	3,510.35	11	3,148.45	11	2,786.55	11	2,426.29	11	2,064.25
1/4		1/4	4,912.14	1/4	4,578.97	1/4	4,226.60	1/4	3,864.71	1/4	3,502.81	1/4	3,140.91	1/4	2,779.01	1/4	2,418.74	1/4	2,056.71
1/2		1/2	4,905.38	1/2	4,571.80	1/2	4,219.06	1/2	3,857.17	1/2	3,495.27	1/2	3,133.37	1/2	2,771.48	1/2	2,411.20	1/2	2,049.17
3/4		3/4	4,898.62	3/4	4,564.64	3/4	4,211.53	3/4	3,849.63	3/4	3,487.73	3/4	3,125.83	3/4	2,763.96	3/4	2,403.66	3/4	2,041.62

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" 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 317"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,034.08	0	1,672.05	0	1,310.01	0	961.50	0	602.35	0	243.80	0		0		0		0	
1/4	2,026.54	1/4	1,664.50	1/4	1,302.47	1/4	954.30	1/4	594.81	1/4	236.40	1/4		1/4		1/4		1/4	
1/2	2,019.00	1/2	1,656.96	1/2	1,294.93	1/2	947.10	1/2	587.26	1/2	229.01	1/2		1/2		1/2		1/2	
3/4	2,011.46	3/4	1,649.42	3/4	1,287.38	3/4	939.90	3/4	579.72	3/4	221.62	3/4		3/4		3/4		3/4	
1	2,003.91	1	1,641.88	1	1,279.84	1	932.70	1	572.18	1	214.22	1		1		1		1	
1/4	1,996.37	1/4	1,634.34	1/4	1,272.30	1/4	925.50	1/4	564.64	1/4	206.83	1/4		1/4		1/4		1/4	
1/2	1,988.83	1/2	1,626.79	1/2	1,264.80	1/2	918.25	1/2	557.10	1/2	199.42	1/2		1/2		1/2		1/2	
3/4	1,981.29	3/4	1,619.25	3/4	1,257.30	3/4	910.99	3/4	549.55	3/4	192.00	3/4		3/4		3/4		3/4	
2	1,973.74	2	1,611.71	2	1,249.80	2	903.74	2	542.01	2	184.59	2		2		2		2	
1/4	1,966.20	1/4	1,604.17	1/4	1,242.30	1/4	896.49	1/4	534.47	1/4	177.18	1/4		1/4		1/4		1/4	
1/2	1,958.66	1/2	1,596.62	1/2	1,235.09	1/2	888.95	1/2	526.93	1/2	169.66	1/2		1/2		1/2		1/2	
3/4	1,951.12	3/4	1,589.08	3/4	1,227.88	3/4	881.41	3/4	519.38	3/4	162.13	3/4		3/4		3/4		3/4	
3	1,943.57	3	1,581.54	3	1,220.67	3	873.86	3	511.84	3	154.60	3		3		3		3	
1/4	1,936.03	1/4	1,574.00	1/4	1,213.46	1/4	866.32	1/4	504.30	1/4	147.07	1/4		1/4		1/4		1/4	
1/2	1,928.49	1/2	1,566.45	1/2	1,206.26	1/2	858.78	1/2	496.76	1/2	139.55	1/2		1/2		1/2		1/2	
3/4	1,920.95	3/4	1,558.91	3/4	1,199.06	3/4	851.24	3/4	489.22	3/4	132.02	3/4		3/4		3/4		3/4	
4	1,913.40	4	1,551.37	4	1,191.86	4	843.70	4	481.67	4	124.49	4		4		4		4	
1/4	1,905.86	1/4	1,543.83	1/4	1,184.66	1/4	836.15	1/4	474.13	1/4	116.96	1/4		1/4		1/4		1/4	
1/2	1,898.32	1/2	1,536.28	1/2	1,177.46	1/2	828.61	1/2	466.59	1/2	109.52	1/2		1/2		1/2		1/2	
3/4	1,890.78	3/4	1,528.74	3/4	1,170.26	3/4	821.07	3/4	459.05	3/4	102.07	3/4		3/4		3/4		3/4	
5	1,883.23	5	1,521.20	5	1,163.07	5	813.53	5	451.51	5	94.62	5		5		5		5	
1/4	1,875.69	1/4	1,513.66	1/4	1,155.87	1/4	805.98	1/4	443.96	1/4	87.17	1/4		1/4		1/4		1/4	
1/2	1,868.15	1/2	1,506.11	1/2	1,148.67	1/2	798.44	1/2	436.44	1/2	80.43	1/2		1/2		1/2		1/2	
3/4	1,860.61	3/4	1,498.57	3/4	1,141.47	3/4	790.90	3/4	428.92	3/4	73.69	3/4		3/4		3/4		3/4	
6	1,853.06	6	1,491.03	6	1,134.27	6	783.36	6	421.39	6	66.95	6		6		6		6	
1/4	1,845.52	1/4	1,483.49	1/4	1,127.07	1/4	775.82	1/4	413.87	1/4	60.20	1/4		1/4		1/4		1/4	
1/2	1,837.98	1/2	1,475.94	1/2	1,119.87	1/2	768.27	1/2	406.48	1/2	54.72	1/2		1/2		1/2		1/2	
3/4	1,830.44	3/4	1,468.40	3/4	1,112.67	3/4	760.73	3/4	399.08	3/4	49.24	3/4		3/4		3/4		3/4	
7	1,822.90	7	1,460.86	7	1,105.48	7	753.19	7	391.69	7	43.75	7		7		7		7	
1/4	1,815.35	1/4	1,453.32	1/4	1,098.28	1/4	745.65	1/4	384.29	1/4	38.27	1/4		1/4		1/4		1/4	
1/2	1,807.81	1/2	1,445.78	1/2	1,091.08	1/2	738.11	1/2	376.90	1/2	34.04	1/2		1/2		1/2		1/2	
3/4	1,800.27	3/4	1,438.23	3/4	1,083.88	3/4	730.56	3/4	369.50	3/4	29.81	3/4		3/4		3/4		3/4	
8	1,792.73	8	1,430.69	8	1,076.68	8	723.02	8	362.11	8	25.58	8		8		8		8	
1/4	1,785.18	1/4	1,423.15	1/4	1,069.48	1/4	715.48	1/4	354.71	1/4	21.35	1/4		1/4		1/4		1/4	
1/2	1,777.64	1/2	1,415.61	1/2	1,062.28	1/2	707.94	1/2	347.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,770.10	3/4	1,408.06	3/4	1,055.08	3/4	700.40	3/4	339.93	3/4		3/4		3/4		3/4		3/4	
9	1,762.56	9	1,400.52	9	1,047.88	9	692.85	9	332.53	9		9		9		9		9	
1/4	1,755.01	1/4	1,392.98	1/4	1,040.69	1/4	685.31	1/4	325.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,747.47	1/2	1,385.44	1/2	1,033.49	1/2	677.77	1/2	317.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,739.93	3/4	1,377.89	3/4	1,026.29	3/4	670.23	3/4	310.35	3/4		3/4		3/4		3/4		3/4	
10	1,732.39	10	1,370.35	10	1,019.09	10	662.68	10	302.95	10		10		10		10		10	
1/4	1,724.84	1/4	1,362.81	1/4	1,011.89	1/4	655.14	1/4	295.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,717.30	1/2	1,355.27	1/2	1,004.69	1/2	647.60	1/2	288.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,709.76	3/4	1,347.72	3/4	997.49	3/4	640.06	3/4	280.77	3/4		3/4		3/4		3/4		3/4	
11	1,702.22	11	1,340.18	11	990.29	11	632.52	11	273.38	11		11		11		11		11	
1/4	1,694.67	1/4	1,332.64	1/4	983.10	1/4	624.97	1/4	265.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,687.13	1/2	1,325.10	1/2	975.90	1/2	617.43	1/2	258.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,679.59	3/4	1,317.55	3/4	968.70	3/4	609.89	3/4	251.19	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/26/2019 JS
CALCULATED: 11/27/2019 CL
PRINTED: 11/29/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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

BARGE "DBL 317"

3 PORT

ULLAGE 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		0		0	4,238.53	0	4,072.28	0	3,887.39	0	3,693.39	0	3,494.23	0	3,135.86	0	2,776.23	0	2,415.97
1/4		1/4		1/4	4,235.25	1/4	4,068.61	1/4	3,883.35	1/4	3,689.35	1/4	3,486.76	1/4	3,128.37	1/4	2,768.73	1/4	2,408.46
1/2		1/2		1/2	4,231.98	1/2	4,064.94	1/2	3,879.32	1/2	3,685.31	1/2	3,479.28	1/2	3,120.88	1/2	2,761.22	1/2	2,400.96
3/4		3/4	4,394.86	3/4	4,228.70	3/4	4,061.28	3/4	3,875.28	3/4	3,681.27	3/4	3,471.81	3/4	3,113.38	3/4	2,753.71	3/4	2,393.45
1		1	4,393.20	1	4,225.39	1	4,057.57	1	3,871.24	1	3,677.22	1	3,464.34	1	3,105.89	1	2,746.21	1	2,385.95
1/4		1/4	4,391.55	1/4	4,222.08	1/4	4,053.87	1/4	3,867.20	1/4	3,673.18	1/4	3,456.86	1/4	3,098.40	1/4	2,738.70	1/4	2,378.44
1/2		1/2	4,389.89	1/2	4,218.77	1/2	4,050.17	1/2	3,863.16	1/2	3,669.14	1/2	3,449.39	1/2	3,090.91	1/2	2,731.20	1/2	2,370.93
3/4		3/4	4,388.24	3/4	4,215.46	3/4	4,046.47	3/4	3,859.11	3/4	3,665.10	3/4	3,441.92	3/4	3,083.42	3/4	2,723.69	3/4	2,363.43
2		2	4,385.36	2	4,212.12	2	4,042.73	2	3,855.07	2	3,661.06	2	3,434.44	2	3,075.93	2	2,716.19	2	2,355.92
1/4		1/4	4,382.49	1/4	4,208.79	1/4	4,039.00	1/4	3,851.03	1/4	3,657.01	1/4	3,426.97	1/4	3,068.43	1/4	2,708.69	1/4	2,348.42
1/2		1/2	4,379.61	1/2	4,205.45	1/2	4,035.26	1/2	3,846.99	1/2	3,652.97	1/2	3,419.50	1/2	3,060.94	1/2	2,701.18	1/2	2,340.91
3/4		3/4	4,376.73	3/4	4,202.11	3/4	4,031.53	3/4	3,842.95	3/4	3,648.93	3/4	3,412.02	3/4	3,053.45	3/4	2,693.68	3/4	2,333.40
3		3	4,372.88	3	4,198.74	3	4,027.76	3	3,838.90	3	3,644.89	3	3,404.55	3	3,045.96	3	2,686.17	3	2,325.90
1/4		1/4	4,369.02	1/4	4,195.37	1/4	4,024.00	1/4	3,834.86	1/4	3,640.85	1/4	3,397.08	1/4	3,038.47	1/4	2,678.67	1/4	2,318.39
1/2		1/2	4,365.17	1/2	4,192.00	1/2	4,020.23	1/2	3,830.82	1/2	3,636.80	1/2	3,389.60	1/2	3,030.97	1/2	2,671.16	1/2	2,310.89
3/4		3/4	4,361.32	3/4	4,188.63	3/4	4,016.47	3/4	3,826.78	3/4	3,632.76	3/4	3,382.13	3/4	3,023.48	3/4	2,663.66	3/4	2,303.38
4		4	4,357.33	4	4,185.23	4	4,012.67	4	3,822.74	4	3,628.72	4	3,374.66	4	3,015.99	4	2,656.15	4	2,295.87
1/4		1/4	4,353.34	1/4	4,181.83	1/4	4,008.88	1/4	3,818.69	1/4	3,624.68	1/4	3,367.18	1/4	3,008.50	1/4	2,648.65	1/4	2,288.37
1/2		1/2	4,349.35	1/2	4,178.42	1/2	4,005.08	1/2	3,814.65	1/2	3,620.64	1/2	3,359.71	1/2	3,001.01	1/2	2,641.14	1/2	2,280.86
3/4		3/4	4,345.36	3/4	4,175.02	3/4	4,001.28	3/4	3,810.61	3/4	3,616.59	3/4	3,352.24	3/4	2,993.52	3/4	2,633.64	3/4	2,273.36
5		5	4,341.37	5	4,171.58	5	3,997.46	5	3,806.57	5	3,612.55	5	3,344.77	5	2,986.02	5	2,626.13	5	2,265.85
1/4		1/4	4,337.38	1/4	4,168.15	1/4	3,993.63	1/4	3,802.53	1/4	3,608.51	1/4	3,337.30	1/4	2,978.53	1/4	2,618.63	1/4	2,258.34
1/2		1/2	4,333.39	1/2	4,164.71	1/2	3,989.80	1/2	3,798.48	1/2	3,604.47	1/2	3,329.82	1/2	2,971.04	1/2	2,611.12	1/2	2,250.84
3/4		3/4	4,329.40	3/4	4,161.28	3/4	3,985.97	3/4	3,794.44	3/4	3,600.43	3/4	3,322.35	3/4	2,963.55	3/4	2,603.62	3/4	2,243.33
6		6	4,325.41	6	4,157.81	6	3,982.11	6	3,790.40	6	3,596.38	6	3,314.90	6	2,956.06	6	2,596.11	6	2,235.83
1/4		1/4	4,321.43	1/4	4,154.34	1/4	3,978.24	1/4	3,786.36	1/4	3,592.34	1/4	3,307.44	1/4	2,948.56	1/4	2,588.61	1/4	2,228.32
1/2		1/2	4,317.44	1/2	4,150.88	1/2	3,974.38	1/2	3,782.32	1/2	3,588.30	1/2	3,299.98	1/2	2,941.07	1/2	2,581.10	1/2	2,220.81
3/4		3/4	4,313.45	3/4	4,147.41	3/4	3,970.52	3/4	3,778.27	3/4	3,584.26	3/4	3,292.52	3/4	2,933.58	3/4	2,573.60	3/4	2,213.31
7		7	4,309.46	7	4,143.91	7	3,966.63	7	3,774.23	7	3,580.22	7	3,285.06	7	2,926.09	7	2,566.09	7	2,205.80
1/4		1/4	4,305.47	1/4	4,140.42	1/4	3,962.73	1/4	3,770.19	1/4	3,576.17	1/4	3,277.61	1/4	2,918.60	1/4	2,558.58	1/4	2,198.30
1/2		1/2	4,301.48	1/2	4,136.92	1/2	3,958.84	1/2	3,766.15	1/2	3,572.13	1/2	3,270.15	1/2	2,911.11	1/2	2,551.08	1/2	2,190.79
3/4		3/4	4,297.49	3/4	4,133.42	3/4	3,954.95	3/4	3,762.11	3/4	3,568.09	3/4	3,262.69	3/4	2,903.61	3/4	2,543.57	3/4	2,183.28
8		8	4,293.55	8	4,129.88	8	3,951.03	8	3,758.06	8	3,564.05	8	3,255.23	8	2,896.12	8	2,536.07	8	2,175.78
1/4		1/4	4,289.62	1/4	4,126.33	1/4	3,947.10	1/4	3,754.02	1/4	3,560.01	1/4	3,247.78	1/4	2,888.63	1/4	2,528.56	1/4	2,168.27
1/2		1/2	4,285.68	1/2	4,122.79	1/2	3,943.18	1/2	3,749.98	1/2	3,555.96	1/2	3,240.32	1/2	2,881.14	1/2	2,521.05	1/2	2,160.77
3/4		3/4	4,281.74	3/4	4,119.24	3/4	3,939.26	3/4	3,745.94	3/4	3,551.92	3/4	3,232.86	3/4	2,873.65	3/4	2,513.55	3/4	2,153.26
9		9	4,278.22	9	4,115.66	9	3,935.31	9	3,741.90	9	3,547.88	9	3,225.40	9	2,866.15	9	2,506.04	9	2,145.75
1/4		1/4	4,274.69	1/4	4,112.09	1/4	3,931.35	1/4	3,737.85	1/4	3,543.84	1/4	3,217.95	1/4	2,858.66	1/4	2,498.54	1/4	2,138.25
1/2		1/2	4,271.17	1/2	4,108.51	1/2	3,927.40	1/2	3,733.81	1/2	3,539.80	1/2	3,210.49	1/2	2,851.17	1/2	2,491.03	1/2	2,130.74
3/4		3/4	4,267.64	3/4	4,104.93	3/4	3,923.45	3/4	3,729.77	3/4	3,535.75	3/4	3,203.03	3/4	2,843.68	3/4	2,483.52	3/4	2,123.24
10		10	4,264.43	10	4,101.32	10	3,919.46	10	3,725.73	10	3,531.71	10	3,195.57	10	2,836.19	10	2,476.02	10	2,115.73
1/4		1/4	4,261.22	1/4	4,097.71	1/4	3,915.47	1/4	3,721.69	1/4	3,527.67	1/4	3,188.12	1/4	2,828.70	1/4	2,468.51	1/4	2,108.22
1/2		1/2	4,258.01	1/2	4,094.11	1/2	3,911.49	1/2	3,717.64	1/2	3,523.63	1/2	3,180.66	1/2	2,821.20	1/2	2,461.01	1/2	2,100.72
3/4		3/4	4,254.79	3/4	4,090.50	3/4	3,907.50	3/4	3,713.60	3/4	3,519.59	3/4	3,173.20	3/4	2,813.71	3/4	2,453.50	3/4	2,093.21
11		11	4,251.55	11	4,086.86	11	3,903.48	11	3,709.56	11	3,515.11	11	3,165.74	11	2,806.22	11	2,445.99	11	2,085.71
1/4		1/4	4,248.30	1/4	4,083.22	1/4	3,899.46	1/4	3,705.52	1/4	3,510.64	1/4	3,158.28	1/4	2,798.72	1/4	2,438.49	1/4	2,078.20
1/2		1/2	4,245.06	1/2	4,079.59	1/2	3,895.45	1/2	3,701.48	1/2	3,506.17	1/2	3,150.81	1/2	2,791.23	1/2	2,430.98	1/2	2,070.69
3/4		3/4	4,241.81	3/4	4,075.95	3/4	3,891.43	3/4	3,697.43	3/4	3,501.70	3/4	3,143.35	3/4	2,783.74	3/4	2,423.48	3/4	2,063.19

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" 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 317"

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,055.68	0	1,695.31	0	1,334.94	0	974.85	0	614.58	0	257.40	0		0		0		0	
1/4	2,048.18	1/4	1,687.80	1/4	1,327.43	1/4	967.36	1/4	607.07	1/4	250.04	1/4		1/4		1/4		1/4	
1/2	2,040.67	1/2	1,680.30	1/2	1,319.92	1/2	959.86	1/2	599.56	1/2	242.68	1/2		1/2		1/2		1/2	
3/4	2,033.16	3/4	1,672.79	3/4	1,312.41	3/4	952.36	3/4	592.06	3/4	235.32	3/4		3/4		3/4		3/4	
1	2,025.66	1	1,665.28	1	1,304.91	1	944.86	1	584.55	1	227.96	1		1		1		1	
1/4	2,018.15	1/4	1,657.77	1/4	1,297.40	1/4	937.36	1/4	577.04	1/4	220.60	1/4		1/4		1/4		1/4	
1/2	2,010.64	1/2	1,650.27	1/2	1,289.89	1/2	929.86	1/2	569.53	1/2	213.24	1/2		1/2		1/2		1/2	
3/4	2,003.13	3/4	1,642.76	3/4	1,282.38	3/4	922.36	3/4	562.03	3/4	205.88	3/4		3/4		3/4		3/4	
2	1,995.62	2	1,635.25	2	1,274.88	2	914.86	2	554.52	2	198.50	2		2		2		2	
1/4	1,988.12	1/4	1,627.74	1/4	1,267.37	1/4	907.36	1/4	547.01	1/4	191.12	1/4		1/4		1/4		1/4	
1/2	1,980.61	1/2	1,620.23	1/2	1,259.86	1/2	899.86	1/2	539.50	1/2	183.75	1/2		1/2		1/2		1/2	
3/4	1,973.10	3/4	1,612.73	3/4	1,252.35	3/4	892.36	3/4	532.00	3/4	176.37	3/4		3/4		3/4		3/4	
3	1,965.59	3	1,605.22	3	1,244.84	3	884.85	3	524.49	3	168.88	3		3		3		3	
1/4	1,958.09	1/4	1,597.71	1/4	1,237.34	1/4	877.34	1/4	516.98	1/4	161.39	1/4		1/4		1/4		1/4	
1/2	1,950.58	1/2	1,590.20	1/2	1,229.83	1/2	869.83	1/2	509.47	1/2	153.89	1/2		1/2		1/2		1/2	
3/4	1,943.07	3/4	1,582.70	3/4	1,222.32	3/4	862.33	3/4	501.97	3/4	146.40	3/4		3/4		3/4		3/4	
4	1,935.56	4	1,575.19	4	1,214.82	4	854.82	4	494.46	4	138.91	4		4		4		4	
1/4	1,928.05	1/4	1,567.68	1/4	1,207.31	1/4	847.31	1/4	486.95	1/4	131.42	1/4		1/4		1/4		1/4	
1/2	1,920.55	1/2	1,560.17	1/2	1,199.81	1/2	839.80	1/2	479.44	1/2	123.92	1/2		1/2		1/2		1/2	
3/4	1,913.04	3/4	1,552.66	3/4	1,192.31	3/4	832.30	3/4	471.94	3/4	116.43	3/4		3/4		3/4		3/4	
5	1,905.53	5	1,545.16	5	1,184.81	5	824.79	5	464.43	5	109.02	5		5		5		5	
1/4	1,898.02	1/4	1,537.65	1/4	1,177.31	1/4	817.28	1/4	456.92	1/4	101.60	1/4		1/4		1/4		1/4	
1/2	1,890.52	1/2	1,530.14	1/2	1,169.81	1/2	809.77	1/2	449.41	1/2	94.19	1/2		1/2		1/2		1/2	
3/4	1,883.01	3/4	1,522.63	3/4	1,162.31	3/4	802.27	3/4	441.91	3/4	86.77	3/4		3/4		3/4		3/4	
6	1,875.50	6	1,515.13	6	1,154.81	6	794.76	6	434.42	6	80.06	6		6		6		6	
1/4	1,867.99	1/4	1,507.62	1/4	1,147.32	1/4	787.25	1/4	426.93	1/4	73.35	1/4		1/4		1/4		1/4	
1/2	1,860.48	1/2	1,500.11	1/2	1,139.82	1/2	779.74	1/2	419.44	1/2	66.64	1/2		1/2		1/2		1/2	
3/4	1,852.98	3/4	1,492.60	3/4	1,132.32	3/4	772.24	3/4	411.95	3/4	59.93	3/4		3/4		3/4		3/4	
7	1,845.47	7	1,485.09	7	1,124.82	7	764.73	7	404.59	7	54.47	7		7		7		7	
1/4	1,837.96	1/4	1,477.59	1/4	1,117.32	1/4	757.22	1/4	397.23	1/4	49.01	1/4		1/4		1/4		1/4	
1/2	1,830.45	1/2	1,470.08	1/2	1,109.82	1/2	749.71	1/2	389.87	1/2	43.55	1/2		1/2		1/2		1/2	
3/4	1,822.95	3/4	1,462.57	3/4	1,102.33	3/4	742.21	3/4	382.51	3/4	38.10	3/4		3/4		3/4		3/4	
8	1,815.44	8	1,455.06	8	1,094.83	8	734.70	8	375.15	8	33.89	8		8		8		8	
1/4	1,807.93	1/4	1,447.56	1/4	1,087.33	1/4	727.19	1/4	367.79	1/4	29.68	1/4		1/4		1/4		1/4	
1/2	1,800.42	1/2	1,440.05	1/2	1,079.83	1/2	719.68	1/2	360.43	1/2	25.47	1/2		1/2		1/2		1/2	
3/4	1,792.91	3/4	1,432.54	3/4	1,072.33	3/4	712.18	3/4	353.07	3/4	21.26	3/4		3/4		3/4		3/4	
9	1,785.41	9	1,425.03	9	1,064.83	9	704.67	9	345.71	9		9		9		9		9	
1/4	1,777.90	1/4	1,417.52	1/4	1,057.34	1/4	697.16	1/4	338.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,770.39	1/2	1,410.02	1/2	1,049.84	1/2	689.65	1/2	330.99	1/2		1/2		1/2		1/2		1/2	
3/4	1,762.88	3/4	1,402.51	3/4	1,042.34	3/4	682.15	3/4	323.63	3/4		3/4		3/4		3/4		3/4	
10	1,755.38	10	1,395.00	10	1,034.84	10	674.64	10	316.27	10		10		10		10		10	
1/4	1,747.87	1/4	1,387.49	1/4	1,027.34	1/4	667.13	1/4	308.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,740.36	1/2	1,379.99	1/2	1,019.84	1/2	659.62	1/2	301.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,732.85	3/4	1,372.48	3/4	1,012.35	3/4	652.12	3/4	294.19	3/4		3/4		3/4		3/4		3/4	
11	1,725.34	11	1,364.97	11	1,004.85	11	644.61	11	286.84	11		11		11		11		11	
1/4	1,717.84	1/4	1,357.46	1/4	997.35	1/4	637.10	1/4	279.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,710.33	1/2	1,349.95	1/2	989.85	1/2	629.59	1/2	272.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,702.82	3/4	1,342.45	3/4	982.35	3/4	622.09	3/4	264.76	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/26/2019 JS
CALCULATED: 11/27/2019 CL
PRINTED: 11/29/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "DBL 317"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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		0	4,364.79	0	4,197.62	0	4,030.46	0	3,844.76	0	3,651.38	0	3,439.13	0	3,081.25	0	2,722.48	0	2,364.33
1/4		1/4	4,363.15	1/4	4,194.33	1/4	4,026.77	1/4	3,840.73	1/4	3,647.35	1/4	3,431.66	1/4	3,073.78	1/4	2,715.09	1/4	2,356.84
1/2		1/2	4,361.50	1/2	4,191.03	1/2	4,023.08	1/2	3,836.70	1/2	3,643.32	1/2	3,424.20	1/2	3,066.30	1/2	2,707.71	1/2	2,349.34
3/4		3/4	4,359.86	3/4	4,187.74	3/4	4,019.39	3/4	3,832.67	3/4	3,639.30	3/4	3,416.74	3/4	3,058.82	3/4	2,700.32	3/4	2,341.85
1		1	4,357.00	1	4,184.41	1	4,015.67	1	3,828.64	1	3,635.27	1	3,409.28	1	3,051.35	1	2,692.93	1	2,334.36
1/4		1/4	4,354.14	1/4	4,181.09	1/4	4,011.95	1/4	3,824.62	1/4	3,631.24	1/4	3,401.82	1/4	3,043.87	1/4	2,685.55	1/4	2,326.86
1/2		1/2	4,351.28	1/2	4,177.76	1/2	4,008.22	1/2	3,820.59	1/2	3,627.21	1/2	3,394.36	1/2	3,036.40	1/2	2,678.16	1/2	2,319.37
3/4		3/4	4,348.41	3/4	4,174.44	3/4	4,004.50	3/4	3,816.56	3/4	3,623.18	3/4	3,386.90	3/4	3,028.93	3/4	2,670.77	3/4	2,311.87
2		2	4,344.57	2	4,171.08	2	4,000.75	2	3,812.53	2	3,619.15	2	3,379.43	2	3,021.46	2	2,663.39	2	2,304.38
1/4		1/4	4,340.73	1/4	4,167.73	1/4	3,997.00	1/4	3,808.50	1/4	3,615.12	1/4	3,371.97	1/4	3,013.98	1/4	2,656.00	1/4	2,296.88
1/2		1/2	4,336.89	1/2	4,164.37	1/2	3,993.25	1/2	3,804.47	1/2	3,611.10	1/2	3,364.51	1/2	3,006.51	1/2	2,648.62	1/2	2,289.39
3/4		3/4	4,333.05	3/4	4,161.02	3/4	3,989.50	3/4	3,800.44	3/4	3,607.07	3/4	3,357.05	3/4	2,999.04	3/4	2,641.23	3/4	2,281.90
3		3	4,329.08	3	4,157.63	3	3,985.71	3	3,796.42	3	3,603.04	3	3,349.59	3	2,991.57	3	2,633.83	3	2,274.40
1/4		1/4	4,325.10	1/4	4,154.24	1/4	3,981.93	1/4	3,792.39	1/4	3,599.01	1/4	3,342.13	1/4	2,984.09	1/4	2,626.43	1/4	2,266.91
1/2		1/2	4,321.13	1/2	4,150.85	1/2	3,978.15	1/2	3,788.36	1/2	3,594.98	1/2	3,334.67	1/2	2,976.62	1/2	2,619.03	1/2	2,259.41
3/4		3/4	4,317.15	3/4	4,147.46	3/4	3,974.37	3/4	3,784.33	3/4	3,590.95	3/4	3,327.21	3/4	2,969.15	3/4	2,611.63	3/4	2,251.92
4		4	4,313.18	4	4,144.04	4	3,970.55	4	3,780.30	4	3,586.92	4	3,319.75	4	2,961.68	4	2,604.14	4	2,244.43
1/4		1/4	4,309.20	1/4	4,140.61	1/4	3,966.74	1/4	3,776.27	1/4	3,582.89	1/4	3,312.29	1/4	2,954.20	1/4	2,596.65	1/4	2,236.93
1/2		1/2	4,305.22	1/2	4,137.19	1/2	3,962.92	1/2	3,772.24	1/2	3,578.87	1/2	3,304.83	1/2	2,946.73	1/2	2,589.16	1/2	2,229.44
3/4		3/4	4,301.25	3/4	4,133.77	3/4	3,959.10	3/4	3,768.21	3/4	3,574.84	3/4	3,297.37	3/4	2,939.26	3/4	2,581.66	3/4	2,221.94
5		5	4,297.27	5	4,130.32	5	3,955.26	5	3,764.19	5	3,570.81	5	3,289.92	5	2,931.79	5	2,574.17	5	2,214.45
1/4		1/4	4,293.30	1/4	4,126.86	1/4	3,951.41	1/4	3,760.16	1/4	3,566.78	1/4	3,282.48	1/4	2,924.31	1/4	2,566.68	1/4	2,206.95
1/2		1/2	4,289.32	1/2	4,123.41	1/2	3,947.56	1/2	3,756.13	1/2	3,562.75	1/2	3,275.03	1/2	2,916.84	1/2	2,559.18	1/2	2,199.46
3/4		3/4	4,285.35	3/4	4,119.96	3/4	3,943.71	3/4	3,752.10	3/4	3,558.72	3/4	3,267.58	3/4	2,909.37	3/4	2,551.69	3/4	2,191.97
6		6	4,281.37	6	4,116.47	6	3,939.83	6	3,748.07	6	3,554.69	6	3,260.14	6	2,901.89	6	2,544.19	6	2,184.47
1/4		1/4	4,277.39	1/4	4,112.99	1/4	3,935.95	1/4	3,744.04	1/4	3,550.66	1/4	3,252.69	1/4	2,894.42	1/4	2,536.70	1/4	2,176.98
1/2		1/2	4,273.42	1/2	4,109.50	1/2	3,932.07	1/2	3,740.01	1/2	3,546.64	1/2	3,245.25	1/2	2,886.95	1/2	2,529.20	1/2	2,169.48
3/4		3/4	4,269.44	3/4	4,106.02	3/4	3,928.19	3/4	3,735.98	3/4	3,542.61	3/4	3,237.80	3/4	2,879.47	3/4	2,521.71	3/4	2,161.99
7		7	4,265.52	7	4,102.49	7	3,924.28	7	3,731.96	7	3,538.58	7	3,230.36	7	2,871.99	7	2,514.22	7	2,154.49
1/4		1/4	4,261.60	1/4	4,098.96	1/4	3,920.37	1/4	3,727.93	1/4	3,534.55	1/4	3,222.91	1/4	2,864.51	1/4	2,506.72	1/4	2,147.00
1/2		1/2	4,257.67	1/2	4,095.43	1/2	3,916.46	1/2	3,723.90	1/2	3,530.52	1/2	3,215.46	1/2	2,857.03	1/2	2,499.23	1/2	2,139.51
3/4		3/4	4,253.75	3/4	4,091.90	3/4	3,912.56	3/4	3,719.87	3/4	3,526.49	3/4	3,208.02	3/4	2,849.55	3/4	2,491.73	3/4	2,132.01
8		8	4,250.24	8	4,088.33	8	3,908.62	8	3,715.84	8	3,522.46	8	3,200.57	8	2,842.07	8	2,484.24	8	2,124.52
1/4		1/4	4,246.72	1/4	4,084.77	1/4	3,904.68	1/4	3,711.81	1/4	3,518.44	1/4	3,193.13	1/4	2,834.59	1/4	2,476.75	1/4	2,117.02
1/2		1/2	4,243.21	1/2	4,081.20	1/2	3,900.74	1/2	3,707.78	1/2	3,514.41	1/2	3,185.68	1/2	2,827.11	1/2	2,469.25	1/2	2,109.53
3/4		3/4	4,239.70	3/4	4,077.64	3/4	3,896.80	3/4	3,703.76	3/4	3,510.38	3/4	3,178.24	3/4	2,819.63	3/4	2,461.76	3/4	2,102.04
9		9	4,236.50	9	4,074.04	9	3,892.82	9	3,699.73	9	3,506.35	9	3,170.79	9	2,812.15	9	2,454.26	9	2,094.54
1/4		1/4	4,233.30	1/4	4,070.45	1/4	3,888.85	1/4	3,695.70	1/4	3,502.32	1/4	3,163.34	1/4	2,804.67	1/4	2,446.77	1/4	2,087.05
1/2		1/2	4,230.10	1/2	4,066.86	1/2	3,884.88	1/2	3,691.67	1/2	3,498.29	1/2	3,155.90	1/2	2,797.19	1/2	2,439.27	1/2	2,079.55
3/4		3/4	4,226.91	3/4	4,063.26	3/4	3,880.90	3/4	3,687.64	3/4	3,494.26	3/4	3,148.45	3/4	2,789.71	3/4	2,431.78	3/4	2,072.06
10		10	4,223.67	10	4,059.64	10	3,876.90	10	3,683.61	10	3,489.81	10	3,141.00	10	2,782.23	10	2,424.29	10	2,064.56
1/4		1/4	4,220.44	1/4	4,056.01	1/4	3,872.89	1/4	3,679.58	1/4	3,485.35	1/4	3,133.55	1/4	2,774.75	1/4	2,416.79	1/4	2,057.07
1/2		1/2	4,217.21	1/2	4,052.39	1/2	3,868.89	1/2	3,675.55	1/2	3,480.89	1/2	3,126.10	1/2	2,767.27	1/2	2,409.30	1/2	2,049.58
3/4		3/4	4,213.98	3/4	4,048.76	3/4	3,864.88	3/4	3,671.53	3/4	3,476.43	3/4	3,118.65	3/4	2,759.79	3/4	2,401.80	3/4	2,042.08
11		11	4,210.71	11	4,045.11	11	3,860.86	11	3,667.50	11	3,468.97	11	3,111.17	11	2,752.31	11	2,394.31	11	2,034.59
1/4		1/4	4,207.45	1/4	4,041.45	1/4	3,856.84	1/4	3,663.47	1/4	3,461.51	1/4	3,103.69	1/4	2,744.83	1/4	2,386.81	1/4	2,027.10
1/2		1/2	4,204.18	1/2	4,037.80	1/2	3,852.81	1/2	3,659.44	1/2	3,454.05	1/2	3,096.21	1/2	2,737.34	1/2	2,379.32	1/2	2,019.60
3/4	4,366.43	3/4	4,200.92	3/4	4,034.14	3/4	3,848.79	3/4	3,655.41	3/4	3,446.59	3/4	3,088.73	3/4	2,729.86	3/4	2,371.83	3/4	2,012.11

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" 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 317"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	2,004.61	0	1,644.80	0	1,286.57	0	937.92	0	583.83	0	227.69	0		0		0		0	
1/4	1,997.12	1/4	1,637.31	1/4	1,279.14	1/4	930.76	1/4	576.33	1/4	220.34	1/4		1/4		1/4		1/4	
1/2	1,989.62	1/2	1,629.81	1/2	1,271.71	1/2	923.60	1/2	568.83	1/2	212.99	1/2		1/2		1/2		1/2	
3/4	1,982.12	3/4	1,622.32	3/4	1,264.27	3/4	916.43	3/4	561.34	3/4	205.64	3/4		3/4		3/4		3/4	
1	1,974.63	1	1,614.82	1	1,256.84	1	909.27	1	553.84	1	198.28	1		1		1		1	
1/4	1,967.13	1/4	1,607.32	1/4	1,249.41	1/4	902.10	1/4	546.34	1/4	190.91	1/4		1/4		1/4		1/4	
1/2	1,959.64	1/2	1,599.83	1/2	1,241.98	1/2	894.94	1/2	538.84	1/2	183.54	1/2		1/2		1/2		1/2	
3/4	1,952.14	3/4	1,592.33	3/4	1,234.54	3/4	887.77	3/4	531.34	3/4	176.18	3/4		3/4		3/4		3/4	
2	1,944.64	2	1,584.84	2	1,227.13	2	880.59	2	523.85	2	168.69	2		2		2		2	
1/4	1,937.15	1/4	1,577.34	1/4	1,219.71	1/4	873.40	1/4	516.35	1/4	161.21	1/4		1/4		1/4		1/4	
1/2	1,929.65	1/2	1,569.84	1/2	1,212.29	1/2	866.21	1/2	508.85	1/2	153.73	1/2		1/2		1/2		1/2	
3/4	1,922.16	3/4	1,562.35	3/4	1,204.87	3/4	859.03	3/4	501.35	3/4	146.24	3/4		3/4		3/4		3/4	
3	1,914.66	3	1,554.85	3	1,197.46	3	851.84	3	493.85	3	138.75	3		3		3		3	
1/4	1,907.16	1/4	1,547.36	1/4	1,190.04	1/4	844.65	1/4	486.36	1/4	131.26	1/4		1/4		1/4		1/4	
1/2	1,899.67	1/2	1,539.86	1/2	1,182.62	1/2	837.46	1/2	478.86	1/2	123.78	1/2		1/2		1/2		1/2	
3/4	1,892.17	3/4	1,532.36	3/4	1,175.20	3/4	830.27	3/4	471.36	3/4	116.29	3/4		3/4		3/4		3/4	
4	1,884.68	4	1,524.87	4	1,167.79	4	823.02	4	463.86	4	108.88	4		4		4		4	
1/4	1,877.18	1/4	1,517.37	1/4	1,160.38	1/4	815.77	1/4	456.36	1/4	101.48	1/4		1/4		1/4		1/4	
1/2	1,869.68	1/2	1,509.88	1/2	1,152.97	1/2	808.52	1/2	448.87	1/2	94.08	1/2		1/2		1/2		1/2	
3/4	1,862.19	3/4	1,502.38	3/4	1,145.57	3/4	801.27	3/4	441.37	3/4	86.67	3/4		3/4		3/4		3/4	
5	1,854.69	5	1,494.89	5	1,138.41	5	793.77	5	433.89	5	79.98	5		5		5		5	
1/4	1,847.20	1/4	1,487.40	1/4	1,131.25	1/4	786.28	1/4	426.41	1/4	73.29	1/4		1/4		1/4		1/4	
1/2	1,839.70	1/2	1,479.92	1/2	1,124.09	1/2	778.78	1/2	418.93	1/2	66.60	1/2		1/2		1/2		1/2	
3/4	1,832.20	3/4	1,472.43	3/4	1,116.92	3/4	771.28	3/4	411.45	3/4	59.90	3/4		3/4		3/4		3/4	
6	1,824.71	6	1,464.99	6	1,109.76	6	763.78	6	404.10	6	54.45	6		6		6		6	
1/4	1,817.21	1/4	1,457.56	1/4	1,102.60	1/4	756.28	1/4	396.75	1/4	49.00	1/4		1/4		1/4		1/4	
1/2	1,809.72	1/2	1,450.12	1/2	1,095.44	1/2	748.79	1/2	389.40	1/2	43.55	1/2		1/2		1/2		1/2	
3/4	1,802.22	3/4	1,442.69	3/4	1,088.28	3/4	741.29	3/4	382.05	3/4	38.10	3/4		3/4		3/4		3/4	
7	1,794.72	7	1,435.26	7	1,081.12	7	733.79	7	374.70	7	33.89	7		7		7		7	
1/4	1,787.23	1/4	1,427.82	1/4	1,073.96	1/4	726.29	1/4	367.35	1/4	29.68	1/4		1/4		1/4		1/4	
1/2	1,779.73	1/2	1,420.39	1/2	1,066.80	1/2	718.79	1/2	360.00	1/2	25.47	1/2		1/2		1/2		1/2	
3/4	1,772.24	3/4	1,412.95	3/4	1,059.64	3/4	711.30	3/4	352.65	3/4	21.26	3/4		3/4		3/4		3/4	
8	1,764.74	8	1,405.52	8	1,052.48	8	703.80	8	345.30	8		8		8		8		8	
1/4	1,757.24	1/4	1,398.09	1/4	1,045.32	1/4	696.30	1/4	337.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,749.75	1/2	1,390.65	1/2	1,038.16	1/2	688.80	1/2	330.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,742.25	3/4	1,383.22	3/4	1,031.00	3/4	681.30	3/4	323.25	3/4		3/4		3/4		3/4		3/4	
9	1,734.76	9	1,375.78	9	1,023.84	9	673.81	9	315.90	9		9		9		9		9	
1/4	1,727.26	1/4	1,368.35	1/4	1,016.68	1/4	666.31	1/4	308.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,719.76	1/2	1,360.91	1/2	1,009.52	1/2	658.81	1/2	301.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,712.27	3/4	1,353.48	3/4	1,002.36	3/4	651.31	3/4	293.85	3/4		3/4		3/4		3/4		3/4	
10	1,704.77	10	1,346.05	10	995.20	10	643.81	10	286.50	10		10		10		10		10	
1/4	1,697.28	1/4	1,338.61	1/4	988.04	1/4	636.32	1/4	279.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,689.78	1/2	1,331.18	1/2	980.88	1/2	628.82	1/2	271.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,682.28	3/4	1,323.74	3/4	973.72	3/4	621.32	3/4	264.45	3/4		3/4		3/4		3/4		3/4	
11	1,674.79	11	1,316.31	11	966.56	11	613.82	11	257.10	11		11		11		11		11	
1/4	1,667.29	1/4	1,308.88	1/4	959.40	1/4	606.32	1/4	249.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,659.80	1/2	1,301.44	1/2	952.24	1/2	598.83	1/2	242.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,652.30	3/4	1,294.01	3/4	945.08	3/4	591.33	3/4	235.05	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/26/2019 JS
CALCULATED: 11/27/2019 CL
PRINTED: 11/29/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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