

BARGE "IB 1990"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2

(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)

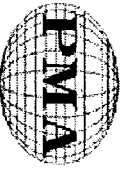
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

December 14, 2017

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

<http://www.pmacorp.net>



BARGE "IB 1990"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

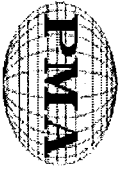
GAUGE HEIGHT 15'-03 1/2"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	0	0	0	0	0	0	0	0	0
1/4	3,637.73	3,482.09	3,297.07	3,129.26	2,989.10	2,863.14	2,750.27	2,648.65	2,556.20	2,472.48
1/2	3,637.48	3,474.38	3,289.36	3,104.35	2,964.19	2,838.17	2,725.27	2,623.65	2,531.20	2,447.48
3/4	3,635.99	3,470.52	3,285.51	3,100.49	2,960.33	2,834.31	2,721.41	2,619.79	2,527.34	2,443.62
1	3,634.50	3,466.67	3,277.80	3,092.78	2,952.62	2,826.60	2,713.70	2,612.08	2,519.63	2,435.91
1/4	3,633.01	3,462.82	3,273.94	3,088.93	2,948.77	2,822.75	2,709.85	2,608.23	2,515.78	2,432.06
1/2	3,631.51	3,458.96	3,270.09	3,084.07	2,943.91	2,817.89	2,705.00	2,603.38	2,510.93	2,427.21
3/4	3,630.14	3,455.11	3,266.24	3,079.20	2,939.04	2,813.02	2,700.13	2,598.51	2,506.06	2,422.34
2	3,628.77	3,451.25	3,262.38	3,074.34	2,934.18	2,808.16	2,695.27	2,593.65	2,501.20	2,417.48
1/4	3,627.40	3,447.40	3,258.53	3,069.47	2,929.31	2,803.29	2,690.40	2,588.78	2,496.33	2,412.61
1/2	3,626.03	3,443.54	3,254.67	3,064.60	2,924.44	2,798.42	2,685.53	2,583.91	2,491.46	2,407.74
3/4	3,624.76	3,439.69	3,250.82	3,059.73	2,919.57	2,793.55	2,680.66	2,579.04	2,486.59	2,402.87
3	3,619.49	3,435.83	3,246.96	3,054.86	2,914.70	2,788.68	2,675.79	2,574.17	2,481.72	2,398.00
1/4	3,616.21	3,432.02	3,243.11	3,050.00	2,909.83	2,784.81	2,671.92	2,570.30	2,477.85	2,394.13
1/2	3,612.94	3,428.12	3,239.25	3,045.13	2,904.96	2,780.94	2,668.05	2,566.43	2,473.98	2,390.26
3/4	3,609.12	3,424.27	3,235.40	3,040.26	2,899.99	2,777.07	2,664.18	2,562.56	2,470.11	2,386.39
4	3,605.31	3,420.42	3,231.55	3,035.39	2,895.12	2,773.20	2,660.31	2,558.69	2,466.24	2,382.52
1/4	3,601.49	3,416.56	3,227.69	3,030.52	2,890.25	2,769.33	2,656.44	2,554.82	2,462.37	2,378.65
1/2	3,597.67	3,412.71	3,223.84	3,025.65	2,885.38	2,765.46	2,652.57	2,550.95	2,458.50	2,374.78
3/4	3,593.83	3,408.85	3,219.98	3,020.78	2,880.51	2,761.59	2,648.70	2,547.08	2,454.63	2,370.91
5	3,589.99	3,405.00	3,216.13	3,015.91	2,875.64	2,757.72	2,644.83	2,543.21	2,450.76	2,367.04
1/4	3,586.14	3,401.14	3,212.27	3,011.04	2,870.77	2,753.85	2,640.96	2,539.34	2,446.89	2,363.17
1/2	3,582.30	3,397.29	3,208.42	3,006.17	2,865.90	2,749.98	2,637.09	2,535.47	2,442.92	2,359.20
3/4	3,578.44	3,393.43	3,204.56	3,001.30	2,861.03	2,746.11	2,633.22	2,531.60	2,439.05	2,355.33
6	3,574.59	3,389.58	3,200.71	2,996.43	2,856.16	2,742.28	2,629.39	2,527.77	2,435.22	2,351.50
1/4	3,570.74	3,385.73	3,196.85	2,991.56	2,851.29	2,737.41	2,624.52	2,522.90	2,430.35	2,346.63
1/2	3,566.89	3,381.87	3,193.00	2,986.69	2,846.42	2,732.54	2,619.65	2,518.03	2,425.48	2,341.76
3/4	3,563.03	3,378.02	3,189.15	2,981.82	2,841.55	2,728.67	2,615.78	2,514.16	2,421.61	2,337.89
7	3,559.18	3,374.16	3,185.29	2,976.95	2,836.68	2,724.80	2,611.91	2,510.29	2,417.74	2,334.02
1/4	3,555.32	3,370.31	3,181.44	2,972.08	2,831.81	2,720.93	2,608.04	2,506.42	2,413.87	2,330.15
1/2	3,551.47	3,366.45	3,177.58	2,967.21	2,826.94	2,717.06	2,604.17	2,502.55	2,410.00	2,326.28
3/4	3,547.61	3,362.60	3,173.73	2,962.34	2,822.07	2,713.19	2,600.30	2,498.68	2,406.13	2,322.41
8	3,543.76	3,358.74	3,169.87	2,957.47	2,817.20	2,708.32	2,595.43	2,493.81	2,401.26	2,317.54
1/4	3,539.91	3,354.89	3,166.02	2,952.60	2,812.33	2,703.45	2,590.56	2,488.94	2,396.39	2,312.67
1/2	3,536.05	3,351.03	3,162.16	2,947.73	2,807.46	2,698.58	2,585.69	2,484.07	2,391.52	2,307.80
3/4	3,532.20	3,347.18	3,158.31	2,942.86	2,802.59	2,693.71	2,580.82	2,479.20	2,386.65	2,302.93
9	3,528.34	3,343.33	3,154.46	2,938.00	2,797.72	2,688.84	2,575.95	2,474.33	2,381.78	2,298.06
1/4	3,524.49	3,339.47	3,150.60	2,933.13	2,792.85	2,683.97	2,571.08	2,469.46	2,376.91	2,293.19
1/2	3,520.63	3,335.62	3,146.75	2,928.26	2,787.98	2,679.10	2,566.21	2,464.59	2,372.04	2,288.32
3/4	3,516.78	3,331.76	3,142.89	2,923.39	2,783.11	2,674.23	2,561.34	2,459.72	2,367.17	2,283.45
10	3,512.92	3,327.91	3,139.04	2,918.52	2,778.24	2,669.36	2,556.47	2,454.85	2,362.30	2,278.58
1/4	3,509.07	3,324.05	3,135.18	2,913.65	2,773.37	2,664.49	2,551.60	2,450.00	2,357.45	2,273.73
1/2	3,505.21	3,320.20	3,131.33	2,908.78	2,768.50	2,659.62	2,546.73	2,445.11	2,352.56	2,268.84
3/4	3,501.36	3,316.34	3,127.47	2,903.91	2,763.63	2,654.75	2,541.84	2,440.22	2,347.67	2,263.95
11	3,497.51	3,312.49	3,123.62	2,899.04	2,758.76	2,649.88	2,536.99	2,435.37	2,342.82	2,259.10
1/4	3,493.65	3,308.64	3,119.76	2,894.17	2,753.89	2,645.01	2,532.12	2,430.50	2,337.95	2,254.23
1/2	3,489.80	3,304.78	3,115.91	2,889.30	2,749.02	2,640.14	2,527.25	2,425.63	2,333.08	2,249.36
3/4	3,485.94	3,300.93	3,111.99	2,884.43	2,744.15	2,635.27	2,522.38	2,419.87	2,327.32	2,243.60

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MIPMS 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 ON CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "IB 1990"

1 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,461.18	1/4	1,175.87	1/4	890.71	1/4	611.11	1/4	325.48	1/4	40.29	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,465.25	1/2	1,169.92	1/2	884.92	1/2	605.16	1/2	319.53	1/2	34.85	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,449.31	3/4	1,163.97	3/4	879.12	3/4	599.21	3/4	313.58	3/4	29.00	3/4	0	3/4	0	3/4	0	3/4	0
1	1,443.37	1	1,158.03	1	873.33	1	593.26	1	307.53	1	25.09	1	0	1	0	1	0	1	0
1/4	1,437.44	1/4	1,152.08	1/4	867.54	1/4	587.31	1/4	301.68	1/4	21.18	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,431.50	1/2	1,146.13	1/2	861.75	1/2	581.36	1/2	295.73	1/2	17.27	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,425.57	3/4	1,140.18	3/4	855.95	3/4	575.41	3/4	289.78	3/4	13.36	3/4	0	3/4	0	3/4	0	3/4	0
1	1,419.63	1	1,134.24	1	850.16	1	569.45	1	283.83	1	11.17	1	0	1	0	1	0	1	0
1/4	1,413.69	1/4	1,128.29	1/4	844.37	1/4	563.50	1/4	277.87	1/4	8.98	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,407.76	1/2	1,122.34	1/2	838.58	1/2	557.55	1/2	271.92	1/2	6.79	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,401.82	3/4	1,116.40	3/4	832.79	3/4	551.60	3/4	265.97	3/4	4.60	3/4	0	3/4	0	3/4	0	3/4	0
1	1,395.89	1	1,110.45	1	826.99	1	545.65	1	260.02	1	3.61	1	0	1	0	1	0	1	0
1/4	1,389.95	1/4	1,104.50	1/4	821.20	1/4	539.70	1/4	254.07	1/4	3	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,384.01	1/2	1,098.55	1/2	815.41	1/2	533.75	1/2	248.12	1/2	1.62	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,378.08	3/4	1,092.61	3/4	809.62	3/4	527.80	3/4	242.17	3/4	0.63	3/4	0	3/4	0	3/4	0	3/4	0
1	1,372.13	1	1,086.66	1	803.83	1	521.85	1	236.22	1	0	1	0	1	0	1	0	1	0
1/4	1,366.18	1/4	1,080.71	1/4	798.03	1/4	515.90	1/4	230.27	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,360.23	1/2	1,074.76	1/2	792.24	1/2	509.95	1/2	224.32	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,354.29	3/4	1,068.82	3/4	786.45	3/4	504.00	3/4	218.37	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,348.34	1	1,062.87	1	780.66	1	498.05	1	212.41	1	0	1	0	1	0	1	0	1	0
1/4	1,342.39	1/4	1,056.92	1/4	774.87	1/4	492.10	1/4	206.45	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,336.45	1/2	1,050.98	1/2	769.08	1/2	486.15	1/2	200.50	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,330.50	3/4	1,045.03	3/4	763.28	3/4	480.20	3/4	194.54	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,324.55	1	1,039.08	1	757.49	1	474.25	1	188.58	1	0	1	0	1	0	1	0	1	0
1/4	1,318.60	1/4	1,033.13	1/4	751.70	1/4	468.29	1/4	182.62	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,312.66	1/2	1,027.19	1/2	745.91	1/2	462.34	1/2	176.67	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,306.71	3/4	1,021.24	3/4	740.12	3/4	456.39	3/4	170.71	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,300.76	1	1,015.29	1	734.32	1	450.44	1	164.76	1	0	1	0	1	0	1	0	1	0
1/4	1,294.81	1/4	1,009.34	1/4	728.53	1/4	444.49	1/4	158.80	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,288.87	1/2	1,003.40	1/2	722.74	1/2	438.54	1/2	152.85	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,282.92	3/4	997.45	3/4	716.95	3/4	432.59	3/4	146.90	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,276.97	1	991.50	1	711.16	1	426.64	1	140.94	1	0	1	0	1	0	1	0	1	0
1/4	1,271.03	1/4	985.55	1/4	705.37	1/4	420.69	1/4	134.98	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,265.08	1/2	979.61	1/2	699.57	1/2	414.74	1/2	129.03	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,259.13	3/4	973.66	3/4	693.78	3/4	408.79	3/4	123.07	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,253.18	1	967.71	1	687.99	1	402.84	1	117.11	1	0	1	0	1	0	1	0	1	0
1/4	1,247.24	1/4	961.77	1/4	682.20	1/4	396.89	1/4	111.14	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,241.29	1/2	955.82	1/2	676.41	1/2	390.94	1/2	105.18	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,235.34	3/4	949.87	3/4	670.62	3/4	384.99	3/4	99.22	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,229.39	1	943.92	1	664.66	1	379.04	1	93.26	1	0	1	0	1	0	1	0	1	0
1/4	1,223.45	1/4	937.98	1/4	658.71	1/4	373.09	1/4	87.30	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,217.50	1/2	932.03	1/2	652.76	1/2	367.13	1/2	81.34	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,211.55	3/4	926.08	3/4	646.81	3/4	361.18	3/4	75.38	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,205.61	1	920.13	1	640.86	1	355.23	1	69.43	1	0	1	0	1	0	1	0	1	0
1/4	1,199.66	1/4	914.19	1/4	634.91	1/4	349.28	1/4	63.48	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,193.71	1/2	908.24	1/2	628.96	1/2	343.33	1/2	57.53	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,187.76	3/4	902.29	3/4	623.01	3/4	337.38	3/4	51.59	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,181.82	1	896.50	1	617.06	1	331.43	1	45.94	1	0	1	0	1	0	1	0	1	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/12/2017 CL
CALCULATED: 12/13/2017 CL
PRINTED: 12/14/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017

GAUGE HEIGHT 15'-03 1/2"

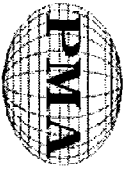
PRECISION MEASUREMENT

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BARGE "IB 1990"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

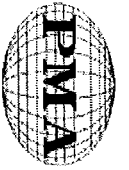
GAUGE HEIGHT 15'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	3,841.18	0	3,591.43	0	3,316.87	0	3,042.32	0	2,767.76	0	2,493.21	0	2,218.65	0	1,944.10	0	1,669.54	
1/4	1/4	3,839.75	1/4	3,589.71	1/4	3,311.15	1/4	3,036.60	1/4	2,762.04	1/4	2,487.49	1/4	2,212.93	1/4	1,938.38	1/4	1,663.82	
1/2	1/2	3,838.32	1/2	3,579.99	1/2	3,305.43	1/2	3,030.88	1/2	2,756.32	1/2	2,481.77	1/2	2,207.21	1/2	1,932.66	1/2	1,658.10	
3/4	3/4	3,836.89	3/4	3,571.27	3/4	3,295.16	3/4	3,025.16	3/4	2,750.60	3/4	2,476.05	3/4	2,201.49	3/4	1,926.94	3/4	1,652.38	
1	1	3,833.56	1	3,568.55	1	3,293.99	1	3,019.44	1	2,744.88	1	2,470.33	1	2,195.77	1	1,921.22	1	1,646.66	
1/4	1/4	3,830.22	1/4	3,562.83	1/4	3,288.27	1/4	3,013.72	1/4	2,739.16	1/4	2,464.61	1/4	2,190.05	1/4	1,915.50	1/4	1,640.94	
1/2	1/2	3,826.88	1/2	3,557.11	1/2	3,282.55	1/2	3,008.00	1/2	2,733.44	1/2	2,459.89	1/2	2,184.33	1/2	1,909.78	1/2	1,635.22	
3/4	3/4	3,823.55	3/4	3,551.39	3/4	3,276.83	3/4	3,002.28	3/4	2,727.72	3/4	2,453.17	3/4	2,178.51	3/4	1,904.06	3/4	1,629.50	
2	2	3,818.38	2	3,545.67	2	3,271.11	2	2,996.56	2	2,722.00	2	2,447.45	2	2,172.89	2	1,898.34	2	1,623.78	
1/4	1/4	3,813.22	1/4	3,539.95	1/4	3,265.39	1/4	2,990.84	1/4	2,716.28	1/4	2,441.73	1/4	2,167.17	1/4	1,892.62	1/4	1,618.06	
1/2	1/2	3,808.06	1/2	3,534.23	1/2	3,259.67	1/2	2,985.12	1/2	2,710.56	1/2	2,436.01	1/2	2,161.45	1/2	1,886.90	1/2	1,612.34	
3/4	3/4	3,802.89	3/4	3,528.51	3/4	3,253.95	3/4	2,979.40	3/4	2,704.84	3/4	2,430.29	3/4	2,155.73	3/4	1,881.18	3/4	1,606.62	
3	3	3,797.21	3	3,522.79	3	3,248.23	3	2,973.68	3	2,699.12	3	2,424.57	3	2,150.01	3	1,875.46	3	1,600.90	
1/4	1/4	3,791.53	1/4	3,517.07	1/4	3,242.52	1/4	2,967.94	1/4	2,693.40	1/4	2,418.85	1/4	2,144.29	1/4	1,869.74	1/4	1,595.18	
1/2	1/2	3,785.84	1/2	3,511.35	1/2	3,236.80	1/2	2,962.26	1/2	2,687.68	1/2	2,413.13	1/2	2,138.57	1/2	1,864.02	1/2	1,589.46	
3/4	3/4	3,780.16	3/4	3,505.63	3/4	3,231.08	3/4	2,956.52	3/4	2,681.96	3/4	2,407.41	3/4	2,132.85	3/4	1,858.30	3/4	1,583.74	
4	4	3,774.45	4	3,499.91	4	3,225.36	4	2,950.80	4	2,676.24	4	2,401.69	4	2,127.13	4	1,852.58	4	1,578.02	
1/4	1/4	3,768.74	1/4	3,494.19	1/4	3,219.64	1/4	2,945.08	1/4	2,670.52	1/4	2,396.97	1/4	2,121.41	1/4	1,846.86	1/4	1,572.30	
1/2	1/2	3,763.03	1/2	3,488.47	1/2	3,213.92	1/2	2,939.36	1/2	2,664.81	1/2	2,390.25	1/2	2,115.69	1/2	1,841.14	1/2	1,566.58	
3/4	3/4	3,757.32	3/4	3,482.75	3/4	3,208.20	3/4	2,933.64	3/4	2,659.09	3/4	2,384.53	3/4	2,109.97	3/4	1,835.42	3/4	1,560.86	
5	5	3,751.60	5	3,477.03	5	3,202.48	5	2,927.92	5	2,653.37	5	2,378.81	5	2,104.25	5	1,829.70	5	1,555.14	
1/4	1/4	3,745.87	1/4	3,471.31	1/4	3,196.76	1/4	2,922.20	1/4	2,647.65	1/4	2,373.09	1/4	2,098.53	1/4	1,823.98	1/4	1,549.42	
1/2	1/2	3,740.15	1/2	3,465.59	1/2	3,191.04	1/2	2,916.48	1/2	2,641.93	1/2	2,367.37	1/2	2,092.82	1/2	1,818.26	1/2	1,543.70	
3/4	3/4	3,734.43	3/4	3,459.87	3/4	3,185.32	3/4	2,910.76	3/4	2,636.21	3/4	2,361.65	3/4	2,087.10	3/4	1,812.54	3/4	1,537.98	
6	6	3,728.71	6	3,454.15	6	3,179.60	6	2,905.00	6	2,630.49	6	2,355.93	6	2,081.38	6	1,806.82	6	1,532.26	
1/4	1/4	3,722.99	1/4	3,448.43	1/4	3,173.88	1/4	2,899.32	1/4	2,624.77	1/4	2,350.21	1/4	2,075.66	1/4	1,801.10	1/4	1,526.54	
1/2	1/2	3,717.27	1/2	3,442.71	1/2	3,168.16	1/2	2,893.60	1/2	2,619.05	1/2	2,344.49	1/2	2,069.94	1/2	1,795.38	1/2	1,520.83	
3/4	3/4	3,711.55	3/4	3,436.99	3/4	3,162.44	3/4	2,887.88	3/4	2,613.33	3/4	2,338.77	3/4	2,064.22	3/4	1,789.66	3/4	1,515.11	
7	7	3,705.83	7	3,431.27	7	3,156.72	7	2,882.16	7	2,607.61	7	2,333.05	7	2,058.50	7	1,783.94	7	1,509.39	
1/4	1/4	3,700.11	1/4	3,425.55	1/4	3,151.00	1/4	2,876.44	1/4	2,601.89	1/4	2,327.33	1/4	2,052.78	1/4	1,778.22	1/4	1,503.67	
1/2	1/2	3,694.39	1/2	3,419.83	1/2	3,145.28	1/2	2,870.72	1/2	2,596.17	1/2	2,321.61	1/2	2,047.06	1/2	1,772.50	1/2	1,497.95	
3/4	3/4	3,688.67	3/4	3,414.11	3/4	3,139.56	3/4	2,865.00	3/4	2,590.45	3/4	2,315.89	3/4	2,041.34	3/4	1,766.78	3/4	1,492.23	
8	8	3,682.95	8	3,408.39	8	3,133.84	8	2,859.28	8	2,584.73	8	2,310.17	8	2,035.62	8	1,761.06	8	1,486.51	
1/4	1/4	3,677.23	1/4	3,402.67	1/4	3,128.12	1/4	2,853.56	1/4	2,579.01	1/4	2,304.45	1/4	2,029.90	1/4	1,755.34	1/4	1,480.79	
1/2	1/2	3,671.51	1/2	3,396.95	1/2	3,122.40	1/2	2,847.84	1/2	2,573.29	1/2	2,298.73	1/2	2,024.18	1/2	1,749.62	1/2	1,475.07	
3/4	3/4	3,665.79	3/4	3,391.23	3/4	3,116.68	3/4	2,842.12	3/4	2,567.57	3/4	2,293.01	3/4	2,018.46	3/4	1,743.90	3/4	1,469.35	
9	9	3,660.07	9	3,385.51	9	3,110.96	9	2,836.40	9	2,561.85	9	2,287.29	9	2,012.74	9	1,738.18	9	1,463.63	
1/4	1/4	3,654.35	1/4	3,379.79	1/4	3,105.24	1/4	2,830.68	1/4	2,556.13	1/4	2,281.57	1/4	2,007.02	1/4	1,732.46	1/4	1,457.91	
1/2	1/2	3,648.63	1/2	3,374.07	1/2	3,099.52	1/2	2,824.96	1/2	2,550.41	1/2	2,275.85	1/2	2,001.30	1/2	1,726.74	1/2	1,452.19	
3/4	3/4	3,642.91	3/4	3,368.35	3/4	3,093.80	3/4	2,819.24	3/4	2,544.69	3/4	2,270.13	3/4	1,995.58	3/4	1,721.02	3/4	1,446.47	
10	10	3,637.19	10	3,362.63	10	3,088.08	10	2,813.52	10	2,538.97	10	2,264.41	10	1,989.86	10	1,715.30	10	1,440.75	
1/4	1/4	3,631.47	1/4	3,356.91	1/4	3,082.36	1/4	2,807.80	1/4	2,533.25	1/4	2,258.69	1/4	1,984.14	1/4	1,709.58	1/4	1,435.03	
1/2	1/2	3,625.75	1/2	3,351.19	1/2	3,076.64	1/2	2,802.08	1/2	2,527.53	1/2	2,252.97	1/2	1,978.42	1/2	1,703.86	1/2	1,429.31	
3/4	3/4	3,620.03	3/4	3,345.47	3/4	3,070.92	3/4	2,796.36	3/4	2,521.81	3/4	2,247.25	3/4	1,972.70	3/4	1,698.14	3/4	1,423.59	
11	11	3,614.31	11	3,339.75	11	3,065.20	11	2,790.64	11	2,516.09	11	2,241.53	11	1,967.08	11	1,692.42	11	1,417.87	
1/4	1/4	3,608.59	1/4	3,334.03	1/4	3,059.48	1/4	2,784.92	1/4	2,510.37	1/4	2,235.81	1/4	1,961.26	1/4	1,686.70	1/4	1,412.15	
1/2	1/2	3,602.87	1/2	3,328.31	1/2	3,053.76	1/2	2,779.20	1/2	2,504.65	1/2	2,230.09	1/2	1,955.54	1/2	1,680.98	1/2	1,406.43	
3/4	3/4	3,597.15	3/4	3,322.59	3/4	3,048.04	3/4	2,773.48	3/4	2,498.93	3/4	2,224.37	3/4	1,949.82	3/4	1,675.26	3/4	1,400.71	

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 ON CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

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



BARGE "IB 1990"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 3/4"

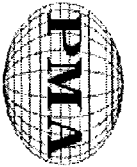
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,394.39	0	1,120.43	0	846.71	0	578.04	0	303.49	0	30.17	0		0		0		0	
1/4	1,389.27	1/4	1,114.71	1/4	841.16	1/4	572.32	1/4	297.77	1/4	25.40	1/4		1/4		1/4		1/4	
1/2	1,383.55	1/2	1,108.99	1/2	835.61	1/2	566.60	1/2	292.05	1/2	20.64	1/2		1/2		1/2		1/2	
3/4	1,377.83	3/4	1,103.27	3/4	830.05	3/4	560.88	3/4	286.33	3/4	15.88	3/4		3/4		3/4		3/4	
1	1,372.11	1	1,097.55	1	824.50	1	555.16	1	280.61	1	13.02	1		1		1		1	
1/4	1,366.39	1/4	1,091.83	1/4	818.95	1/4	549.44	1/4	274.89	1/4	10.16	1/4		1/4		1/4		1/4	
1/2	1,360.67	1/2	1,086.11	1/2	813.40	1/2	543.72	1/2	269.17	1/2	7.30	1/2		1/2		1/2		1/2	
3/4	1,354.95	3/4	1,080.39	3/4	807.85	3/4	538.00	3/4	263.46	3/4	4.44	3/4		3/4		3/4		3/4	
2	1,349.23	2	1,074.67	2	802.29	2	532.28	2	257.74	2	3.48	2		2		2		2	
1/4	1,343.51	1/4	1,068.95	1/4	796.74	1/4	526.56	1/4	252.02	1/4	2.53	1/4		1/4		1/4		1/4	
1/2	1,337.79	1/2	1,063.23	1/2	791.19	1/2	520.84	1/2	246.30	1/2	1.58	1/2		1/2		1/2		1/2	
3/4	1,332.07	3/4	1,057.51	3/4	785.64	3/4	515.12	3/4	240.58	3/4	0.63	3/4		3/4		3/4		3/4	
3	1,326.35	3	1,051.79	3	780.09	3	509.40	3	234.86	3		3		3		3		3	
1/4	1,320.63	1/4	1,046.07	1/4	774.53	1/4	503.68	1/4	229.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,314.91	1/2	1,040.35	1/2	768.98	1/2	497.96	1/2	223.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,309.19	3/4	1,034.63	3/4	763.43	3/4	492.24	3/4	217.70	3/4		3/4		3/4		3/4		3/4	
4	1,303.47	4	1,028.91	4	757.88	4	486.52	4	211.98	4		4		4		4		4	
1/4	1,297.75	1/4	1,023.19	1/4	752.33	1/4	480.80	1/4	206.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,292.03	1/2	1,017.47	1/2	746.78	1/2	475.08	1/2	200.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,286.31	3/4	1,011.75	3/4	741.22	3/4	469.36	3/4	194.82	3/4		3/4		3/4		3/4		3/4	
5	1,280.59	5	1,006.03	5	735.67	5	463.64	5	189.10	5		5		5		5		5	
1/4	1,274.87	1/4	1,000.31	1/4	730.12	1/4	457.92	1/4	183.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,269.15	1/2	994.59	1/2	724.57	1/2	452.21	1/2	177.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,263.43	3/4	988.87	3/4	719.02	3/4	446.49	3/4	171.94	3/4		3/4		3/4		3/4		3/4	
6	1,257.71	6	983.15	6	713.46	6	440.77	6	166.22	6		6		6		6		6	
1/4	1,251.99	1/4	977.43	1/4	707.91	1/4	435.05	1/4	160.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,246.27	1/2	971.71	1/2	702.36	1/2	429.33	1/2	154.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,240.55	3/4	965.99	3/4	696.81	3/4	423.61	3/4	149.06	3/4		3/4		3/4		3/4		3/4	
7	1,234.83	7	960.27	7	691.26	7	417.89	7	143.34	7		7		7		7		7	
1/4	1,229.11	1/4	954.55	1/4	685.71	1/4	412.17	1/4	137.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,223.39	1/2	948.84	1/2	680.15	1/2	406.45	1/2	131.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,217.67	3/4	943.12	3/4	674.60	3/4	400.73	3/4	126.19	3/4		3/4		3/4		3/4		3/4	
8	1,211.95	8	937.40	8	669.05	8	395.01	8	120.47	8		8		8		8		8	
1/4	1,206.23	1/4	931.68	1/4	663.50	1/4	389.29	1/4	114.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,200.51	1/2	925.96	1/2	657.95	1/2	383.57	1/2	109.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,194.79	3/4	920.24	3/4	652.39	3/4	377.85	3/4	103.31	3/4		3/4		3/4		3/4		3/4	
9	1,189.07	9	914.52	9	646.68	9	372.13	9	97.59	9		9		9		9		9	
1/4	1,183.35	1/4	908.80	1/4	640.96	1/4	366.41	1/4	91.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,177.63	1/2	903.08	1/2	635.24	1/2	360.69	1/2	86.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,171.91	3/4	897.36	3/4	629.52	3/4	354.97	3/4	80.44	3/4		3/4		3/4		3/4		3/4	
10	1,166.19	10	891.64	10	623.80	10	349.25	10	74.73	10		10		10		10		10	
1/4	1,160.47	1/4	885.92	1/4	618.08	1/4	343.53	1/4	69.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,154.75	1/2	880.20	1/2	612.36	1/2	337.81	1/2	63.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,149.03	3/4	874.48	3/4	606.64	3/4	332.09	3/4	57.61	3/4		3/4		3/4		3/4		3/4	
11	1,143.31	11	868.92	11	600.92	11	326.37	11	51.94	11		11		11		11		11	
1/4	1,137.59	1/4	863.37	1/4	595.20	1/4	320.65	1/4	46.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,131.87	1/2	857.82	1/2	589.48	1/2	314.93	1/2	40.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,126.15	3/4	852.26	3/4	583.76	3/4	309.21	3/4	34.93	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/12/2017 CL
 CALCULATED: 12/13/2017 CL
 PRINTED: 12/14/2017 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2017

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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



BARGE "IB 1990"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	3,821.12	1/2	3,821.12	1/2	3,577.43	1/2	3,304.86	1/2	3,032.28	1/2	2,759.71	1/2	2,487.14	1/2	2,220.24	1/2	1,947.67	1/2	1,675.10
3/4	3,819.70	3/4	3,819.70	3/4	3,577.43	3/4	3,299.18	3/4	3,026.60	3/4	2,754.03	3/4	2,481.46	3/4	2,208.89	3/4	1,936.31	3/4	1,663.74
1	3,818.28	1	3,818.28	1	3,566.07	1	3,283.35	1	3,005.25	1	2,724.57	1	2,445.21	1	2,165.86	1	1,885.21	1	1,604.56
1/4	3,816.86	1/4	3,816.86	1/4	3,564.71	1/4	3,282.14	1/4	3,009.57	1/4	2,737.00	1/4	2,464.42	1/4	2,191.95	1/4	1,919.28	1/4	1,646.70
1/2	3,812.43	1/2	3,812.43	1/2	3,549.04	1/2	3,276.46	1/2	3,003.89	1/2	2,731.32	1/2	2,458.74	1/2	2,186.17	1/2	1,913.60	1/2	1,641.03
3/4	3,808.50	3/4	3,808.50	3/4	3,543.36	3/4	3,270.78	3/4	2,998.21	3/4	2,726.64	3/4	2,453.07	3/4	2,180.49	3/4	1,907.92	3/4	1,635.35
1	3,802.19	1	3,802.19	1	3,537.68	1	3,265.11	1	2,992.52	1	2,719.96	1	2,447.39	1	2,174.81	1	1,902.24	1	1,629.67
1/4	3,802.19	1/4	3,802.19	1/4	3,532.00	1/4	3,259.43	1/4	2,986.85	1/4	2,714.28	1/4	2,441.71	1/4	2,169.14	1/4	1,896.56	1/4	1,623.99
1/2	3,797.06	1/2	3,797.06	1/2	3,526.32	1/2	3,253.75	1/2	2,981.18	1/2	2,708.60	1/2	2,436.03	1/2	2,163.46	1/2	1,890.88	1/2	1,618.31
3/4	3,791.94	3/4	3,791.94	3/4	3,520.64	3/4	3,248.07	3/4	2,976.50	3/4	2,702.92	3/4	2,430.35	3/4	2,157.78	3/4	1,885.21	3/4	1,612.63
1	3,786.81	1	3,786.81	1	3,514.96	1	3,242.39	1	2,969.82	1	2,697.25	1	2,424.57	1	2,152.10	1	1,879.53	1	1,606.95
1/4	3,781.69	1/4	3,781.69	1/4	3,509.29	1/4	3,236.71	1/4	2,964.14	1/4	2,691.57	1/4	2,418.99	1/4	2,146.42	1/4	1,873.85	1/4	1,601.28
1/2	3,776.54	1/2	3,776.54	1/2	3,503.61	1/2	3,223.03	1/2	2,958.46	1/2	2,685.89	1/2	2,413.32	1/2	2,140.74	1/2	1,868.17	1/2	1,595.60
3/4	3,770.40	3/4	3,770.40	3/4	3,497.93	3/4	3,225.36	3/4	2,952.78	3/4	2,680.21	3/4	2,407.64	3/4	2,135.06	3/4	1,862.49	3/4	1,589.92
1	3,764.76	1	3,764.76	1	3,492.25	1	3,219.68	1	2,947.10	1	2,674.53	1	2,401.96	1	2,129.39	1	1,856.81	1	1,584.24
1/4	3,759.12	1/4	3,759.12	1/4	3,486.57	1/4	3,214.00	1/4	2,941.43	1/4	2,668.85	1/4	2,396.28	1/4	2,123.71	1/4	1,851.13	1/4	1,578.56
1/2	3,753.45	1/2	3,753.45	1/2	3,480.89	1/2	3,208.32	1/2	2,935.75	1/2	2,663.17	1/2	2,390.60	1/2	2,118.03	1/2	1,845.46	1/2	1,572.88
3/4	3,747.78	3/4	3,747.78	3/4	3,475.21	3/4	3,202.64	3/4	2,930.07	3/4	2,657.50	3/4	2,384.92	3/4	2,112.35	3/4	1,839.78	3/4	1,567.20
1	3,742.11	1	3,742.11	1	3,469.53	1	3,196.96	1	2,924.39	1	2,651.82	1	2,378.24	1	2,106.57	1	1,834.10	1	1,561.53
1/4	3,736.44	1/4	3,736.44	1/4	3,463.86	1/4	3,191.28	1/4	2,918.71	1/4	2,646.14	1/4	2,373.57	1/4	2,100.99	1/4	1,828.42	1/4	1,555.85
1/2	3,730.76	1/2	3,730.76	1/2	3,458.18	1/2	3,185.60	1/2	2,913.03	1/2	2,640.46	1/2	2,367.89	1/2	2,095.31	1/2	1,822.74	1/2	1,550.17
3/4	3,725.08	3/4	3,725.08	3/4	3,452.50	3/4	3,179.93	3/4	2,907.35	3/4	2,634.78	3/4	2,362.21	3/4	2,089.64	3/4	1,817.06	3/4	1,544.49
1	3,719.40	1	3,719.40	1	3,446.82	1	3,174.25	1	2,901.67	1	2,629.10	1	2,356.53	1	2,083.96	1	1,811.38	1	1,538.81
1/4	3,713.71	1/4	3,713.71	1/4	3,441.14	1/4	3,168.57	1/4	2,896.00	1/4	2,623.42	1/4	2,350.85	1/4	2,078.28	1/4	1,805.71	1/4	1,533.13
1/2	3,708.04	1/2	3,708.04	1/2	3,435.46	1/2	3,162.89	1/2	2,890.32	1/2	2,617.74	1/2	2,345.17	1/2	2,072.60	1/2	1,800.03	1/2	1,527.45
3/4	3,702.36	3/4	3,702.36	3/4	3,429.78	3/4	3,157.21	3/4	2,884.64	3/4	2,612.07	3/4	2,339.49	3/4	2,066.92	3/4	1,794.35	3/4	1,521.78
1	3,696.68	1	3,696.68	1	3,424.11	1	3,151.53	1	2,878.96	1	2,606.39	1	2,333.81	1	2,061.24	1	1,788.67	1	1,516.10
1/4	3,691.00	1/4	3,691.00	1/4	3,418.43	1/4	3,145.85	1/4	2,873.28	1/4	2,600.71	1/4	2,328.14	1/4	2,055.56	1/4	1,782.99	1/4	1,510.42
1/2	3,685.32	1/2	3,685.32	1/2	3,412.75	1/2	3,140.18	1/2	2,867.60	1/2	2,595.03	1/2	2,322.46	1/2	2,049.88	1/2	1,777.31	1/2	1,504.74
3/4	3,679.64	3/4	3,679.64	3/4	3,407.07	3/4	3,134.50	3/4	2,861.92	3/4	2,589.35	3/4	2,316.77	3/4	2,044.21	3/4	1,771.63	3/4	1,499.06
1	3,673.96	1	3,673.96	1	3,401.39	1	3,128.82	1	2,856.25	1	2,583.67	1	2,311.10	1	2,038.53	1	1,765.95	1	1,493.38
1/4	3,668.29	1/4	3,668.29	1/4	3,395.71	1/4	3,123.14	1/4	2,850.57	1/4	2,577.99	1/4	2,305.42	1/4	2,032.85	1/4	1,760.28	1/4	1,487.70
1/2	3,662.61	1/2	3,662.61	1/2	3,390.03	1/2	3,117.46	1/2	2,844.89	1/2	2,572.32	1/2	2,299.74	1/2	2,027.17	1/2	1,754.60	1/2	1,482.02
3/4	3,656.93	3/4	3,656.93	3/4	3,384.36	3/4	3,111.78	3/4	2,839.21	3/4	2,566.64	3/4	2,294.06	3/4	2,021.49	3/4	1,748.92	3/4	1,476.35
1	3,651.25	1	3,651.25	1	3,378.68	1	3,106.10	1	2,833.53	1	2,560.96	1	2,288.39	1	2,015.81	1	1,743.24	1	1,470.67
1/4	3,645.57	1/4	3,645.57	1/4	3,373.00	1/4	3,100.43	1/4	2,827.85	1/4	2,555.28	1/4	2,282.71	1/4	2,010.13	1/4	1,737.56	1/4	1,464.99
1/2	3,639.89	1/2	3,639.89	1/2	3,367.32	1/2	3,094.75	1/2	2,822.17	1/2	2,549.60	1/2	2,277.03	1/2	2,004.46	1/2	1,731.88	1/2	1,459.31
3/4	3,634.21	3/4	3,634.21	3/4	3,361.64	3/4	3,089.07	3/4	2,816.50	3/4	2,543.92	3/4	2,271.35	3/4	1,998.78	3/4	1,726.20	3/4	1,453.63
1	3,628.54	1	3,628.54	1	3,355.96	1	3,083.39	1	2,810.82	1	2,538.24	1	2,265.99	1	1,993.10	1	1,720.53	1	1,447.95
1/4	3,622.86	1/4	3,622.86	1/4	3,350.28	1/4	3,077.71	1/4	2,805.14	1/4	2,533.57	1/4	2,259.59	1/4	1,987.42	1/4	1,714.85	1/4	1,442.27
1/2	3,617.18	1/2	3,617.18	1/2	3,344.61	1/2	3,072.03	1/2	2,799.46	1/2	2,528.89	1/2	2,254.31	1/2	1,981.74	1/2	1,709.17	1/2	1,436.50
3/4	3,611.50	3/4	3,611.50	3/4	3,338.93	3/4	3,066.35	3/4	2,793.78	3/4	2,523.21	3/4	2,248.64	3/4	1,976.06	3/4	1,703.49	3/4	1,430.92
1	3,605.82	1	3,605.82	1	3,333.25	1	3,060.68	1	2,788.10	1	2,518.53	1	2,242.96	1	1,970.38	1	1,697.81	1	1,425.24
1/4	3,600.14	1/4	3,600.14	1/4	3,327.57	1/4	3,055.00	1/4	2,782.42	1/4	2,508.85	1/4	2,237.28	1/4	1,964.71	1/4	1,692.13	1/4	1,419.56
1/2	3,594.46	1/2	3,594.46	1/2	3,321.89	1/2	3,049.32	1/2	2,776.75	1/2	2,504.17	1/2	2,231.60	1/2	1,959.03	1/2	1,686.45	1/2	1,413.88
3/4	3,588.79	3/4	3,588.79	3/4	3,316.21	3/4	3,043.64	3/4	2,771.07	3/4	2,498.49	3/4	2,225.92	3/4	1,953.35	3/4	1,680.78	3/4	1,408.20

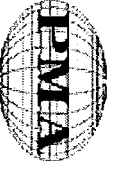
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD

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Pearland, Texas 77588
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BARGE "IB 1990"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	1,402.52	0	1,129.95	0	857.41	0	585.23	0	312.66	0	40.32	0	0	0	0	0	0	0	0
1/4	1,396.85	1/4	1,124.27	1/4	851.74	1/4	579.55	1/4	306.99	1/4	34.69	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,391.17	1/2	1,118.59	1/2	846.07	1/2	573.87	1/2	301.31	1/2	29.96	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,385.49	3/4	1,112.92	3/4	840.40	3/4	568.19	3/4	295.63	3/4	25.23	3/4	0	3/4	0	3/4	0	3/4	0
1	1,379.81	1	1,107.24	1	834.73	1	562.51	1	289.95	1	20.50	1	0	1	0	1	0	1	0
1 1/4	1,374.13	1 1/4	1,101.56	1 1/4	829.06	1 1/4	556.84	1 1/4	284.27	1 1/4	15.77	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,368.45	1 1/2	1,095.88	1 1/2	823.39	1 1/2	551.16	1 1/2	278.59	1 1/2	12.93	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,362.77	3/4	1,090.20	3/4	817.72	3/4	545.48	3/4	272.92	3/4	10.09	3/4	0	3/4	0	3/4	0	3/4	0
2	1,357.10	2	1,084.52	2	812.06	2	539.80	2	267.24	2	7.25	2	0	2	0	2	0	2	0
1 1/4	1,351.42	1 1/4	1,078.84	1 1/4	806.39	1 1/4	534.12	1 1/4	261.56	1 1/4	4.41	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,345.74	1 1/2	1,073.17	1 1/2	800.72	1 1/2	528.44	1 1/2	255.88	1 1/2	3.47	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,340.06	3/4	1,067.49	3/4	795.05	3/4	522.77	3/4	250.20	3/4	2.52	3/4	0	3/4	0	3/4	0	3/4	0
3	1,334.38	3	1,061.81	3	789.38	3	517.09	3	244.52	3	1.57	3	0	3	0	3	0	3	0
1 1/4	1,328.70	1 1/4	1,056.13	1 1/4	783.72	1 1/4	511.41	1 1/4	238.85	1 1/4	0.63	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,323.02	1 1/2	1,050.45	1 1/2	778.05	1 1/2	505.73	1 1/2	233.17	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,317.35	3/4	1,044.77	3/4	772.38	3/4	500.05	3/4	227.49	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
4	1,311.67	4	1,039.09	4	766.71	4	494.37	4	221.81	4	0	4	0	4	0	4	0	4	0
1 1/4	1,305.99	1 1/4	1,033.42	1 1/4	761.05	1 1/4	488.69	1 1/4	216.13	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,300.31	1 1/2	1,027.74	1 1/2	755.38	1 1/2	483.02	1 1/2	210.45	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,294.63	3/4	1,022.06	3/4	749.71	3/4	477.34	3/4	204.77	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
5	1,288.95	5	1,016.38	5	744.04	5	471.66	5	199.10	5	0	5	0	5	0	5	0	5	0
1 1/4	1,283.27	1 1/4	1,010.70	1 1/4	738.37	1 1/4	465.98	1 1/4	193.42	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,277.60	1 1/2	1,005.02	1 1/2	732.71	1 1/2	460.30	1 1/2	187.74	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,271.92	3/4	999.34	3/4	727.04	3/4	454.62	3/4	182.06	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
6	1,266.24	6	993.67	6	721.37	6	448.95	6	176.38	6	0	6	0	6	0	6	0	6	0
1 1/4	1,260.56	1 1/4	987.99	1 1/4	715.70	1 1/4	443.27	1 1/4	170.71	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,254.88	1 1/2	982.31	1 1/2	710.04	1 1/2	437.59	1 1/2	165.03	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,249.20	3/4	976.63	3/4	704.37	3/4	431.91	3/4	159.35	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
7	1,243.52	7	970.95	7	698.70	7	426.23	7	153.67	7	0	7	0	7	0	7	0	7	0
1 1/4	1,237.85	1 1/4	965.27	1 1/4	693.03	1 1/4	420.55	1 1/4	147.99	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,232.17	1 1/2	959.59	1 1/2	687.36	1 1/2	414.88	1 1/2	142.32	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,226.49	3/4	953.92	3/4	681.70	3/4	409.20	3/4	136.64	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
8	1,220.81	8	948.24	8	676.03	8	403.52	8	130.96	8	0	8	0	8	0	8	0	8	0
1 1/4	1,215.13	1 1/4	942.56	1 1/4	670.36	1 1/4	397.84	1 1/4	125.28	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,209.45	1 1/2	936.88	1 1/2	664.69	1 1/2	392.16	1 1/2	119.60	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,203.77	3/4	931.20	3/4	659.03	3/4	386.48	3/4	113.92	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
9	1,198.09	9	925.52	9	653.36	9	380.81	9	108.25	9	0	9	0	9	0	9	0	9	0
1 1/4	1,192.42	1 1/4	919.84	1 1/4	647.69	1 1/4	375.13	1 1/4	102.57	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,186.74	1 1/2	914.16	1 1/2	642.01	1 1/2	369.45	1 1/2	96.89	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,181.06	3/4	908.49	3/4	636.33	3/4	363.77	3/4	91.21	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
10	1,175.38	10	902.81	10	630.65	10	358.09	10	85.54	10	0	10	0	10	0	10	0	10	0
1 1/4	1,169.70	1 1/4	897.13	1 1/4	624.98	1 1/4	352.41	1 1/4	79.86	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,164.02	1 1/2	891.45	1 1/2	619.30	1 1/2	346.73	1 1/2	74.20	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,158.34	3/4	885.77	3/4	613.62	3/4	341.06	3/4	68.53	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
11	1,152.67	11	880.09	11	607.94	11	335.38	11	62.87	11	0	11	0	11	0	11	0	11	0
1 1/4	1,146.99	1 1/4	874.41	1 1/4	602.26	1 1/4	329.70	1 1/4	57.20	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,141.31	1 1/2	868.75	1 1/2	596.58	1 1/2	324.02	1 1/2	51.57	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,135.63	3/4	863.08	3/4	590.91	3/4	318.34	3/4	45.95	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0

GAUGE HEIGHT 15'-03 1/4"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/12/2017 CL
 CALCULATED: 12/13/2017 CL
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CANCELS AND SUPERCEDES ALL PRIOR TO 12/2017