



BARGE "NGL 3003"

ULLAGE (HERMETIC)

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 252'-09"

February 17, 2017

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

<http://www.pmacorp.net>



BARGE "NGL 3003"

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	5,301.70	0	4,968.20	0	4,606.18	0	4,243.54	0	3,880.91	0	3,518.27	0	3,155.63	0	2,792.95	0	2,430.19	
1/4	1/4	5,298.30	1/4	4,960.67	1/4	4,598.62	1/4	4,235.98	1/4	3,873.36	1/4	3,510.72	1/4	3,148.07	1/4	2,785.39	1/4	2,422.63	
1/2	1/2	5,294.90	1/2	4,953.14	1/2	4,591.07	1/2	4,228.43	1/2	3,865.81	1/2	3,503.16	1/2	3,140.52	1/2	2,777.83	1/2	2,415.07	
3/4	3/4	5,290.25	3/4	4,945.62	3/4	4,583.51	3/4	4,220.87	3/4	3,858.25	3/4	3,495.61	3/4	3,132.97	3/4	2,770.28	3/4	2,407.51	
1	1	5,285.60	1	4,938.09	1	4,575.96	1	4,213.32	1	3,850.69	1	3,488.06	1	3,125.41	1	2,762.72	1	2,399.96	
1/4	1/4	5,280.96	1/4	4,930.57	1/4	4,568.41	1/4	4,205.76	1/4	3,843.13	1/4	3,480.50	1/4	3,117.86	1/4	2,755.17	1/4	2,392.41	
1/2	1/2	5,276.31	1/2	4,923.04	1/2	4,560.85	1/2	4,198.21	1/2	3,835.57	1/2	3,472.95	1/2	3,110.31	1/2	2,747.62	1/2	2,384.85	
3/4	3/4	5,270.40	3/4	4,915.52	3/4	4,553.30	3/4	4,190.66	3/4	3,828.01	3/4	3,465.39	3/4	3,102.75	3/4	2,740.06	3/4	2,377.29	
2	2	5,264.48	2	4,908.00	2	4,545.75	2	4,183.10	2	3,820.46	2	3,457.83	2	3,095.20	2	2,732.50	2	2,369.73	
1/4	1/4	5,258.57	1/4	4,900.47	1/4	4,538.19	1/4	4,175.55	1/4	3,812.91	1/4	3,450.27	1/4	3,087.65	1/4	2,724.94	1/4	2,362.17	
1/2	1/2	5,252.66	1/2	4,892.95	1/2	4,530.64	1/2	4,168.00	1/2	3,805.35	1/2	3,442.71	1/2	3,080.09	1/2	2,717.38	1/2	2,354.62	
3/4	3/4	5,245.52	3/4	4,885.43	3/4	4,523.08	3/4	4,160.44	3/4	3,797.80	3/4	3,435.16	3/4	3,072.53	3/4	2,709.82	3/4	2,347.06	
3	3	5,238.38	3	4,877.90	3	4,515.52	3	4,152.89	3	3,790.25	3	3,427.60	3	3,064.97	3	2,702.26	3	2,339.50	
1/4	1/4	5,231.23	1/4	4,870.38	1/4	4,507.96	1/4	4,145.34	1/4	3,782.69	1/4	3,420.05	1/4	3,057.41	1/4	2,694.70	1/4	2,331.94	
1/2	1/2	5,224.09	1/2	4,862.85	1/2	4,500.40	1/2	4,137.78	1/2	3,775.14	1/2	3,412.50	1/2	3,049.85	1/2	2,687.14	1/2	2,324.38	
3/4	3/4	5,216.56	3/4	4,855.32	3/4	4,492.85	3/4	4,130.22	3/4	3,767.59	3/4	3,404.94	3/4	3,042.30	3/4	2,679.59	3/4	2,316.82	
4	4	5,209.03	4	4,847.79	4	4,485.29	4	4,122.66	4	3,760.03	4	3,397.39	4	3,034.75	4	2,672.03	4	2,309.27	
1/4	1/4	5,201.50	1/4	4,840.26	1/4	4,477.74	1/4	4,115.10	1/4	3,752.48	1/4	3,389.84	1/4	3,027.19	1/4	2,664.48	1/4	2,301.72	
1/2	1/2	5,193.97	1/2	4,832.73	1/2	4,470.19	1/2	4,107.54	1/2	3,744.93	1/2	3,382.28	1/2	3,019.64	1/2	2,656.93	1/2	2,294.16	
3/4	3/4	5,186.45	3/4	4,825.20	3/4	4,462.63	3/4	4,099.99	3/4	3,737.37	3/4	3,374.73	3/4	3,012.09	3/4	2,649.37	3/4	2,286.60	
5	5	5,178.93	5	4,817.68	5	4,455.08	5	4,092.44	5	3,729.81	5	3,367.18	5	3,004.53	5	2,641.81	5	2,279.04	
1/4	1/4	5,171.40	1/4	4,810.15	1/4	4,447.53	1/4	4,084.88	1/4	3,722.25	1/4	3,359.62	1/4	2,996.98	1/4	2,634.25	1/4	2,271.48	
1/2	1/2	5,163.88	1/2	4,802.62	1/2	4,439.97	1/2	4,077.33	1/2	3,714.69	1/2	3,352.07	1/2	2,989.43	1/2	2,626.69	1/2	2,263.93	
3/4	3/4	5,156.35	3/4	4,795.06	3/4	4,432.42	3/4	4,069.78	3/4	3,707.13	3/4	3,344.51	3/4	2,981.87	3/4	2,619.13	3/4	2,256.37	
6	6	5,148.82	6	4,787.51	6	4,424.87	6	4,062.22	6	3,699.58	6	3,336.95	6	2,974.32	6	2,611.57	6	2,248.81	
1/4	1/4	5,141.29	1/4	4,779.96	1/4	4,417.31	1/4	4,054.67	1/4	3,692.03	1/4	3,329.39	1/4	2,966.76	1/4	2,604.01	1/4	2,241.25	
1/2	1/2	5,133.76	1/2	4,772.40	1/2	4,409.76	1/2	4,047.12	1/2	3,684.47	1/2	3,321.83	1/2	2,959.21	1/2	2,596.45	1/2	2,233.69	
3/4	3/4	5,126.23	3/4	4,764.84	3/4	4,402.21	3/4	4,039.56	3/4	3,676.92	3/4	3,314.28	3/4	2,951.65	3/4	2,588.90	3/4	2,226.13	
7	7	5,118.71	7	4,757.28	7	4,394.65	7	4,032.01	7	3,669.37	7	3,306.72	7	2,944.09	7	2,581.34	7	2,218.58	
1/4	1/4	5,111.19	1/4	4,749.72	1/4	4,387.10	1/4	4,024.46	1/4	3,661.81	1/4	3,299.17	1/4	2,936.53	1/4	2,573.79	1/4	2,211.03	
1/2	1/2	5,103.66	1/2	4,742.16	1/2	4,379.54	1/2	4,016.90	1/2	3,654.26	1/2	3,291.62	1/2	2,928.97	1/2	2,566.23	1/2	2,203.47	
3/4	3/4	5,096.14	3/4	4,734.61	3/4	4,371.98	3/4	4,009.35	3/4	3,646.71	3/4	3,284.06	3/4	2,921.42	3/4	2,558.68	3/4	2,195.91	
8	8	5,088.62	8	4,727.06	8	4,364.43	8	4,001.79	8	3,639.15	8	3,276.51	8	2,913.87	8	2,551.12	8	2,188.35	
1/4	1/4	5,081.09	1/4	4,719.50	1/4	4,356.87	1/4	3,994.24	1/4	3,631.60	1/4	3,268.96	1/4	2,906.31	1/4	2,543.56	1/4	2,180.79	
1/2	1/2	5,073.57	1/2	4,711.95	1/2	4,349.31	1/2	3,986.69	1/2	3,624.04	1/2	3,261.40	1/2	2,898.76	1/2	2,536.00	1/2	2,173.23	
3/4	3/4	5,066.04	3/4	4,704.40	3/4	4,341.75	3/4	3,979.13	3/4	3,616.49	3/4	3,253.85	3/4	2,891.20	3/4	2,528.44	3/4	2,165.68	
9	9	5,058.51	9	4,696.84	9	4,334.20	9	3,971.57	9	3,608.94	9	3,246.29	9	2,883.64	9	2,520.88	9	2,158.12	
1/4	5,320.83	1/4	5,050.98	1/4	4,689.29	1/4	4,326.65	1/4	3,964.01	1/4	3,601.38	1/4	3,238.74	1/4	2,876.08	1/4	2,513.32	1/4	2,150.56
1/2	5,320.71	1/2	5,043.45	1/2	4,681.73	1/2	4,319.09	1/2	3,956.45	1/2	3,593.83	1/2	3,231.19	1/2	2,868.52	1/2	2,505.76	1/2	2,143.00
3/4	5,319.81	3/4	5,035.93	3/4	4,674.18	3/4	4,311.54	3/4	3,948.90	3/4	3,586.27	3/4	3,223.63	3/4	2,860.97	3/4	2,498.20	3/4	2,135.44
10	5,318.91	10	5,028.40	10	4,666.63	10	4,303.99	10	3,941.34	10	3,578.71	10	3,216.08	10	2,853.41	10	2,490.65	10	2,127.89
1/4	5,318.01	1/4	5,020.88	1/4	4,659.07	1/4	4,296.43	1/4	3,933.79	1/4	3,571.15	1/4	3,208.53	1/4	2,845.86	1/4	2,483.10	1/4	2,120.34
1/2	5,317.12	1/2	5,013.35	1/2	4,651.52	1/2	4,288.88	1/2	3,926.24	1/2	3,563.59	1/2	3,200.97	1/2	2,838.31	1/2	2,475.54	1/2	2,112.78
3/4	5,314.96	3/4	5,005.83	3/4	4,643.96	3/4	4,281.32	3/4	3,918.68	3/4	3,556.04	3/4	3,193.41	3/4	2,830.75	3/4	2,467.98	3/4	2,105.22
11	5,312.81	11	4,998.31	11	4,636.40	11	4,273.77	11	3,911.13	11	3,548.49	11	3,185.85	11	2,823.19	11	2,460.42	11	2,097.66
1/4	5,310.65	1/4	4,990.78	1/4	4,628.84	1/4	4,266.22	1/4	3,903.57	1/4	3,540.93	1/4	3,178.29	1/4	2,815.63	1/4	2,452.87	1/4	2,090.10
1/2	5,308.50	1/2	4,983.26	1/2	4,621.28	1/2	4,258.66	1/2	3,896.02	1/2	3,533.38	1/2	3,170.74	1/2	2,808.07	1/2	2,445.31	1/2	2,082.54
3/4	5,305.10	3/4	4,975.73	3/4	4,613.73	3/4	4,251.10	3/4	3,888.47	3/4	3,525.82	3/4	3,163.18	3/4	2,800.51	3/4	2,437.75	3/4	2,074.98

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10-10" OFF CENTERLINE AND 42-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "NGL 3003"

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	2,067.43	0	1,704.66	0	1,341.90	0	979.20	0	616.50	0	253.78	0		0		0		0	
1/4	2,059.87	1/4	1,697.10	1/4	1,334.34	1/4	971.65	1/4	608.94	1/4	246.22	1/4		1/4		1/4		1/4	
1/2	2,052.31	1/2	1,689.54	1/2	1,326.78	1/2	964.09	1/2	601.38	1/2	238.66	1/2		1/2		1/2		1/2	
3/4	2,044.75	3/4	1,681.99	3/4	1,319.23	3/4	956.54	3/4	593.82	3/4	231.11	3/4		3/4		3/4		3/4	
1	2,037.20	1	1,674.44	1	1,311.68	1	948.98	1	586.27	1	223.56	1		1		1		1	
1/4	2,029.65	1/4	1,666.88	1/4	1,304.12	1/4	941.43	1/4	578.72	1/4	216.00	1/4		1/4		1/4		1/4	
1/2	2,022.09	1/2	1,659.33	1/2	1,296.57	1/2	933.88	1/2	571.16	1/2	208.45	1/2		1/2		1/2		1/2	
3/4	2,014.53	3/4	1,651.77	3/4	1,289.01	3/4	926.32	3/4	563.60	3/4	200.89	3/4		3/4		3/4		3/4	
2	2,006.97	2	1,644.21	2	1,281.45	2	918.77	2	556.04	2	193.33	2		2		2		2	
1/4	1,999.41	1/4	1,636.65	1/4	1,273.89	1/4	911.22	1/4	548.48	1/4	185.77	1/4		1/4		1/4		1/4	
1/2	1,991.85	1/2	1,629.09	1/2	1,266.33	1/2	903.66	1/2	540.93	1/2	178.21	1/2		1/2		1/2		1/2	
3/4	1,984.29	3/4	1,621.53	3/4	1,258.77	3/4	896.10	3/4	533.37	3/4	170.66	3/4		3/4		3/4		3/4	
3	1,976.73	3	1,613.97	3	1,251.21	3	888.54	3	525.82	3	163.10	3		3		3		3	
1/4	1,969.17	1/4	1,606.41	1/4	1,243.65	1/4	880.98	1/4	518.26	1/4	155.55	1/4		1/4		1/4		1/4	
1/2	1,961.62	1/2	1,598.85	1/2	1,236.09	1/2	873.43	1/2	510.71	1/2	148.00	1/2		1/2		1/2		1/2	
3/4	1,954.06	3/4	1,591.30	3/4	1,228.53	3/4	865.87	3/4	503.15	3/4	140.30	3/4		3/4		3/4		3/4	
4	1,946.51	4	1,583.75	4	1,220.97	4	858.32	4	495.59	4	132.60	4		4		4		4	
1/4	1,938.95	1/4	1,576.19	1/4	1,213.41	1/4	850.76	1/4	488.03	1/4	124.91	1/4		1/4		1/4		1/4	
1/2	1,931.40	1/2	1,568.64	1/2	1,205.85	1/2	843.21	1/2	480.47	1/2	117.21	1/2		1/2		1/2		1/2	
3/4	1,923.84	3/4	1,561.08	3/4	1,198.30	3/4	835.65	3/4	472.92	3/4	109.26	3/4		3/4		3/4		3/4	
5	1,916.28	5	1,553.52	5	1,190.75	5	828.09	5	465.37	5	101.31	5		5		5		5	
1/4	1,908.72	1/4	1,545.96	1/4	1,183.19	1/4	820.53	1/4	457.81	1/4	93.35	1/4		1/4		1/4		1/4	
1/2	1,901.16	1/2	1,538.40	1/2	1,175.64	1/2	812.97	1/2	450.26	1/2	85.40	1/2		1/2		1/2		1/2	
3/4	1,893.60	3/4	1,530.84	3/4	1,168.08	3/4	805.42	3/4	442.70	3/4	78.71	3/4		3/4		3/4		3/4	
6	1,886.04	6	1,523.28	6	1,160.52	6	797.87	6	435.14	6	72.02	6		6		6		6	
1/4	1,878.48	1/4	1,515.72	1/4	1,152.96	1/4	790.31	1/4	427.58	1/4	65.33	1/4		1/4		1/4		1/4	
1/2	1,870.93	1/2	1,508.16	1/2	1,145.40	1/2	782.76	1/2	420.02	1/2	58.64	1/2		1/2		1/2		1/2	
3/4	1,863.37	3/4	1,500.61	3/4	1,137.85	3/4	775.20	3/4	412.47	3/4	53.21	3/4		3/4		3/4		3/4	
7	1,855.82	7	1,493.06	7	1,130.29	7	767.64	7	404.91	7	47.78	7		7		7		7	
1/4	1,848.26	1/4	1,485.50	1/4	1,122.74	1/4	760.08	1/4	397.36	1/4	42.35	1/4		1/4		1/4		1/4	
1/2	1,840.71	1/2	1,477.95	1/2	1,115.19	1/2	752.52	1/2	389.81	1/2	36.93	1/2		1/2		1/2		1/2	
3/4	1,833.15	3/4	1,470.39	3/4	1,107.63	3/4	744.97	3/4	382.25	3/4	32.75	3/4		3/4		3/4		3/4	
8	1,825.59	8	1,462.83	8	1,100.08	8	737.41	8	374.69	8	28.58	8		8		8		8	
1/4	1,818.03	1/4	1,455.27	1/4	1,092.53	1/4	729.86	1/4	367.13	1/4	24.41	1/4		1/4		1/4		1/4	
1/2	1,810.47	1/2	1,447.71	1/2	1,084.97	1/2	722.31	1/2	359.57	1/2	20.24	1/2		1/2		1/2		1/2	
3/4	1,802.91	3/4	1,440.15	3/4	1,077.42	3/4	714.75	3/4	352.01	3/4	---	3/4		3/4		3/4		3/4	
9	1,795.35	9	1,432.59	9	1,069.87	9	707.19	9	344.46	9		9		9		9		9	
1/4	1,787.79	1/4	1,425.03	1/4	1,062.31	1/4	699.63	1/4	336.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,780.23	1/2	1,417.47	1/2	1,054.76	1/2	692.07	1/2	329.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,772.68	3/4	1,409.92	3/4	1,047.20	3/4	684.51	3/4	321.79	3/4		3/4		3/4		3/4		3/4	
10	1,765.13	10	1,402.37	10	1,039.64	10	676.96	10	314.23	10		10		10		10		10	
1/4	1,757.57	1/4	1,394.81	1/4	1,032.08	1/4	669.41	1/4	306.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,750.02	1/2	1,387.26	1/2	1,024.52	1/2	661.85	1/2	299.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,742.46	3/4	1,379.70	3/4	1,016.97	3/4	654.29	3/4	291.56	3/4		3/4		3/4		3/4		3/4	
11	1,734.90	11	1,372.14	11	1,009.41	11	646.73	11	284.01	11		11		11		11		11	
1/4	1,727.34	1/4	1,364.58	1/4	1,001.86	1/4	639.17	1/4	276.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,719.78	1/2	1,357.02	1/2	994.31	1/2	631.62	1/2	268.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,712.22	3/4	1,349.46	3/4	986.75	3/4	624.06	3/4	261.34	3/4		3/4		3/4		3/4		3/4	

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REPRINTED: 02/20/2017 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "NGL 3003"

1 STBD 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	5,311.63	0	4,977.50	0	4,614.79	0	4,251.45	0	3,888.13	0	3,524.80	0	3,161.48	0	2,798.09	0	2,434.64
1/4		1/4	5,308.23	1/4	4,969.96	1/4	4,607.21	1/4	4,243.88	1/4	3,880.57	1/4	3,517.23	1/4	3,153.91	1/4	2,790.52	1/4	2,427.07
1/2		1/2	5,304.83	1/2	4,962.43	1/2	4,599.64	1/2	4,236.31	1/2	3,873.00	1/2	3,509.67	1/2	3,146.33	1/2	2,782.95	1/2	2,419.50
3/4		3/4	5,300.17	3/4	4,954.89	3/4	4,592.08	3/4	4,228.74	3/4	3,865.43	3/4	3,502.10	3/4	3,138.76	3/4	2,775.38	3/4	2,411.93
1		1	5,295.51	1	4,947.35	1	4,584.51	1	4,221.18	1	3,857.86	1	3,494.52	1	3,131.19	1	2,767.81	1	2,404.36
1/4		1/4	5,290.85	1/4	4,939.80	1/4	4,576.95	1/4	4,213.61	1/4	3,850.29	1/4	3,486.95	1/4	3,123.62	1/4	2,760.24	1/4	2,396.79
1/2		1/2	5,286.19	1/2	4,932.26	1/2	4,569.38	1/2	4,206.05	1/2	3,842.71	1/2	3,479.38	1/2	3,116.05	1/2	2,752.67	1/2	2,389.21
3/4		3/4	5,280.27	3/4	4,924.72	3/4	4,561.81	3/4	4,198.48	3/4	3,835.14	3/4	3,471.81	3/4	3,108.48	3/4	2,745.09	3/4	2,381.64
2		2	5,274.35	2	4,917.18	2	4,554.24	2	4,190.90	2	3,827.57	2	3,464.24	2	3,100.92	2	2,737.52	2	2,374.07
1/4		1/4	5,268.42	1/4	4,909.64	1/4	4,546.67	1/4	4,183.33	1/4	3,820.00	1/4	3,456.67	1/4	3,093.35	1/4	2,729.95	1/4	2,366.50
1/2		1/2	5,262.50	1/2	4,902.10	1/2	4,539.10	1/2	4,175.76	1/2	3,812.43	1/2	3,449.10	1/2	3,085.79	1/2	2,722.38	1/2	2,358.93
3/4		3/4	5,255.35	3/4	4,894.55	3/4	4,531.52	3/4	4,168.19	3/4	3,804.86	3/4	3,441.53	3/4	3,078.21	3/4	2,714.81	3/4	2,351.36
3		3	5,248.19	3	4,887.01	3	4,523.95	3	4,160.62	3	3,797.30	3	3,433.96	3	3,070.64	3	2,707.24	3	2,343.79
1/4		1/4	5,241.04	1/4	4,879.47	1/4	4,516.38	1/4	4,153.05	1/4	3,789.73	1/4	3,426.40	1/4	3,063.07	1/4	2,699.67	1/4	2,336.21
1/2		1/2	5,233.88	1/2	4,871.93	1/2	4,508.81	1/2	4,145.48	1/2	3,782.17	1/2	3,418.83	1/2	3,055.50	1/2	2,692.09	1/2	2,328.64
3/4		3/4	5,226.34	3/4	4,864.39	3/4	4,501.24	3/4	4,137.91	3/4	3,774.60	3/4	3,411.26	3/4	3,047.93	3/4	2,684.52	3/4	2,321.07
4		4	5,218.80	4	4,856.86	4	4,493.68	4	4,130.35	4	3,767.02	4	3,403.69	4	3,040.36	4	2,676.95	4	2,313.50
1/4		1/4	5,211.26	1/4	4,849.32	1/4	4,486.11	1/4	4,122.78	1/4	3,759.45	1/4	3,396.12	1/4	3,032.79	1/4	2,669.38	1/4	2,305.93
1/2		1/2	5,203.72	1/2	4,841.79	1/2	4,478.55	1/2	4,115.21	1/2	3,751.88	1/2	3,388.55	1/2	3,025.21	1/2	2,661.81	1/2	2,298.36
3/4		3/4	5,196.17	3/4	4,834.24	3/4	4,470.98	3/4	4,107.64	3/4	3,744.31	3/4	3,380.98	3/4	3,017.65	3/4	2,654.24	3/4	2,290.79
5		5	5,188.63	5	4,826.69	5	4,463.40	5	4,100.07	5	3,736.74	5	3,373.42	5	3,010.08	5	2,646.67	5	2,283.21
1/4		1/4	5,181.09	1/4	4,819.14	1/4	4,455.83	1/4	4,092.50	1/4	3,729.17	1/4	3,365.85	1/4	3,002.52	1/4	2,639.10	1/4	2,275.64
1/2		1/2	5,173.55	1/2	4,811.60	1/2	4,448.26	1/2	4,084.93	1/2	3,721.60	1/2	3,358.29	1/2	2,994.95	1/2	2,631.52	1/2	2,268.07
3/4		3/4	5,166.01	3/4	4,804.02	3/4	4,440.69	3/4	4,077.36	3/4	3,714.03	3/4	3,350.71	3/4	2,987.38	3/4	2,623.95	3/4	2,260.50
6		6	5,158.47	6	4,796.45	6	4,433.12	6	4,069.80	6	3,706.46	6	3,343.14	6	2,979.81	6	2,616.38	6	2,252.93
1/4		1/4	5,150.92	1/4	4,788.88	1/4	4,425.55	1/4	4,062.23	1/4	3,698.90	1/4	3,335.57	1/4	2,972.24	1/4	2,608.81	1/4	2,245.36
1/2		1/2	5,143.38	1/2	4,781.31	1/2	4,417.98	1/2	4,054.67	1/2	3,691.33	1/2	3,328.00	1/2	2,964.67	1/2	2,601.24	1/2	2,237.79
3/4		3/4	5,135.84	3/4	4,773.74	3/4	4,410.41	3/4	4,047.10	3/4	3,683.76	3/4	3,320.43	3/4	2,957.10	3/4	2,593.67	3/4	2,230.21
7		7	5,128.30	7	4,766.18	7	4,402.85	7	4,039.52	7	3,676.19	7	3,312.86	7	2,949.52	7	2,586.10	7	2,222.63
1/4		1/4	5,120.76	1/4	4,758.61	1/4	4,395.28	1/4	4,031.95	1/4	3,668.62	1/4	3,305.29	1/4	2,941.95	1/4	2,578.52	1/4	2,215.05
1/2		1/2	5,113.21	1/2	4,751.05	1/2	4,387.71	1/2	4,024.38	1/2	3,661.05	1/2	3,297.71	1/2	2,934.38	1/2	2,570.95	1/2	2,207.48
3/4		3/4	5,105.67	3/4	4,743.48	3/4	4,380.14	3/4	4,016.81	3/4	3,653.48	3/4	3,290.15	3/4	2,926.82	3/4	2,563.38	3/4	2,199.90
8		8	5,098.13	8	4,735.90	8	4,372.57	8	4,009.24	8	3,645.91	8	3,282.58	8	2,919.25	8	2,555.81	8	2,192.33
1/4		1/4	5,090.59	1/4	4,728.33	1/4	4,365.00	1/4	4,001.67	1/4	3,638.33	1/4	3,275.02	1/4	2,911.68	1/4	2,548.24	1/4	2,184.76
1/2		1/2	5,083.05	1/2	4,720.76	1/2	4,357.43	1/2	3,994.10	1/2	3,630.76	1/2	3,267.45	1/2	2,904.12	1/2	2,540.67	1/2	2,177.19
3/4		3/4	5,075.51	3/4	4,713.19	3/4	4,349.86	3/4	3,986.53	3/4	3,623.20	3/4	3,259.88	3/4	2,896.55	3/4	2,533.09	3/4	2,169.62
9		9	5,067.98	9	4,705.62	9	4,342.29	9	3,978.96	9	3,615.63	9	3,252.31	9	2,888.98	9	2,525.51	9	2,162.05
1/4	5,330.81	1/4	5,060.44	1/4	4,698.05	1/4	4,334.71	1/4	3,971.40	1/4	3,608.07	1/4	3,244.74	1/4	2,881.41	1/4	2,517.93	1/4	2,154.48
1/2	5,330.69	1/2	5,052.91	1/2	4,690.48	1/2	4,327.14	1/2	3,963.83	1/2	3,600.50	1/2	3,237.17	1/2	2,873.83	1/2	2,510.36	1/2	2,146.90
3/4	5,329.79	3/4	5,045.36	3/4	4,682.91	3/4	4,319.58	3/4	3,956.26	3/4	3,592.93	3/4	3,229.60	3/4	2,866.26	3/4	2,502.79	3/4	2,139.33
10	5,328.88	10	5,037.82	10	4,675.35	10	4,312.01	10	3,948.69	10	3,585.36	10	3,222.02	10	2,858.68	10	2,495.21	10	2,131.76
1/4	5,327.98	1/4	5,030.28	1/4	4,667.78	1/4	4,304.45	1/4	3,941.12	1/4	3,577.79	1/4	3,214.45	1/4	2,851.10	1/4	2,487.64	1/4	2,124.19
1/2	5,327.07	1/2	5,022.74	1/2	4,660.21	1/2	4,296.88	1/2	3,933.55	1/2	3,570.21	1/2	3,206.88	1/2	2,843.52	1/2	2,480.07	1/2	2,116.62
3/4	5,324.91	3/4	5,015.20	3/4	4,652.64	3/4	4,289.31	3/4	3,925.98	3/4	3,562.64	3/4	3,199.32	3/4	2,835.95	3/4	2,472.50	3/4	2,109.05
11	5,322.75	11	5,007.66	11	4,645.07	11	4,281.74	11	3,918.41	11	3,555.07	11	3,191.75	11	2,828.38	11	2,464.93	11	2,101.48
1/4	5,320.59	1/4	5,000.11	1/4	4,637.50	1/4	4,274.17	1/4	3,910.83	1/4	3,547.50	1/4	3,184.18	1/4	2,820.81	1/4	2,457.36	1/4	2,093.90
1/2	5,318.43	1/2	4,992.57	1/2	4,629.93	1/2	4,266.60	1/2	3,903.26	1/2	3,539.93	1/2	3,176.62	1/2	2,813.24	1/2	2,449.79	1/2	2,086.33
3/4	5,315.03	3/4	4,985.04	3/4	4,622.36	3/4	4,259.02	3/4	3,895.70	3/4	3,532.36	3/4	3,169.05	3/4	2,805.67	3/4	2,442.21	3/4	2,078.76

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-10" 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 "NGL 3003"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,071.19	0	1,707.74	0	1,344.29	0	980.96	0	617.69	0	254.26	0		0		0		0	
1/4	2,063.62	1/4	1,700.17	1/4	1,336.71	1/4	973.40	1/4	610.12	1/4	246.69	1/4		1/4		1/4		1/4	
1/2	2,056.05	1/2	1,692.60	1/2	1,329.14	1/2	965.83	1/2	602.55	1/2	239.12	1/2		1/2		1/2		1/2	
3/4	2,048.48	3/4	1,685.02	3/4	1,321.57	3/4	958.27	3/4	594.98	3/4	231.55	3/4		3/4		3/4		3/4	
1	2,040.90	1	1,677.45	1	1,314.00	1	950.70	1	587.40	1	223.98	1		1		1		1	
1/4	2,033.33	1/4	1,669.88	1/4	1,306.43	1/4	943.14	1/4	579.83	1/4	216.41	1/4		1/4		1/4		1/4	
1/2	2,025.76	1/2	1,662.31	1/2	1,298.86	1/2	935.57	1/2	572.26	1/2	208.83	1/2		1/2		1/2		1/2	
3/4	2,018.19	3/4	1,654.74	3/4	1,291.29	3/4	928.01	3/4	564.69	3/4	201.26	3/4		3/4		3/4		3/4	
2	2,010.62	2	1,647.17	2	1,283.71	2	920.44	2	557.12	2	193.69	2		2		2		2	
1/4	2,003.05	1/4	1,639.60	1/4	1,276.14	1/4	912.88	1/4	549.55	1/4	186.12	1/4		1/4		1/4		1/4	
1/2	1,995.48	1/2	1,632.02	1/2	1,268.57	1/2	905.31	1/2	541.98	1/2	178.55	1/2		1/2		1/2		1/2	
3/4	1,987.90	3/4	1,624.45	3/4	1,261.00	3/4	897.74	3/4	534.40	3/4	170.98	3/4		3/4		3/4		3/4	
3	1,980.33	3	1,616.88	3	1,253.43	3	890.18	3	526.83	3	163.41	3		3		3		3	
1/4	1,972.76	1/4	1,609.31	1/4	1,245.86	1/4	882.61	1/4	519.26	1/4	155.83	1/4		1/4		1/4		1/4	
1/2	1,965.19	1/2	1,601.74	1/2	1,238.29	1/2	875.05	1/2	511.69	1/2	148.26	1/2		1/2		1/2		1/2	
3/4	1,957.62	3/4	1,594.17	3/4	1,230.71	3/4	867.48	3/4	504.12	3/4	140.55	3/4		3/4		3/4		3/4	
4	1,950.05	4	1,586.60	4	1,223.13	4	859.92	4	496.55	4	132.85	4		4		4		4	
1/4	1,942.48	1/4	1,579.02	1/4	1,215.55	1/4	852.35	1/4	488.98	1/4	125.14	1/4		1/4		1/4		1/4	
1/2	1,934.90	1/2	1,571.45	1/2	1,207.98	1/2	844.79	1/2	481.40	1/2	117.43	1/2		1/2		1/2		1/2	
3/4	1,927.33	3/4	1,563.88	3/4	1,200.41	3/4	837.22	3/4	473.83	3/4	109.46	3/4		3/4		3/4		3/4	
5	1,919.76	5	1,556.30	5	1,192.83	5	829.65	5	466.26	5	101.50	5		5		5		5	
1/4	1,912.19	1/4	1,548.72	1/4	1,185.26	1/4	822.09	1/4	458.69	1/4	93.54	1/4		1/4		1/4		1/4	
1/2	1,904.62	1/2	1,541.14	1/2	1,177.69	1/2	814.52	1/2	451.12	1/2	85.57	1/2		1/2		1/2		1/2	
3/4	1,897.04	3/4	1,533.57	3/4	1,170.13	3/4	806.95	3/4	443.55	3/4	78.87	3/4		3/4		3/4		3/4	
6	1,889.46	6	1,526.00	6	1,162.56	6	799.38	6	435.98	6	72.17	6		6		6		6	
1/4	1,881.89	1/4	1,518.43	1/4	1,154.99	1/4	791.81	1/4	428.40	1/4	65.46	1/4		1/4		1/4		1/4	
1/2	1,874.31	1/2	1,510.86	1/2	1,147.43	1/2	784.24	1/2	420.83	1/2	58.76	1/2		1/2		1/2		1/2	
3/4	1,866.74	3/4	1,503.29	3/4	1,139.86	3/4	776.67	3/4	413.26	3/4	53.32	3/4		3/4		3/4		3/4	
7	1,859.17	7	1,495.71	7	1,132.29	7	769.10	7	405.69	7	47.88	7		7		7		7	
1/4	1,851.59	1/4	1,488.14	1/4	1,124.72	1/4	761.52	1/4	398.12	1/4	42.44	1/4		1/4		1/4		1/4	
1/2	1,844.02	1/2	1,480.57	1/2	1,117.14	1/2	753.95	1/2	390.55	1/2	37.00	1/2		1/2		1/2		1/2	
3/4	1,836.45	3/4	1,473.00	3/4	1,109.58	3/4	746.38	3/4	382.98	3/4	32.82	3/4		3/4		3/4		3/4	
8	1,828.88	8	1,465.43	8	1,102.01	8	738.81	8	375.40	8	28.64	8		8		8		8	
1/4	1,821.31	1/4	1,457.86	1/4	1,094.45	1/4	731.24	1/4	367.83	1/4	24.46	1/4		1/4		1/4		1/4	
1/2	1,813.74	1/2	1,450.29	1/2	1,086.88	1/2	723.67	1/2	360.26	1/2	20.29	1/2		1/2		1/2		1/2	
3/4	1,806.17	3/4	1,442.71	3/4	1,079.32	3/4	716.10	3/4	352.69	3/4		3/4		3/4		3/4		3/4	
9	1,798.59	9	1,435.14	9	1,071.75	9	708.52	9	345.12	9		9		9		9		9	
1/4	1,791.02	1/4	1,427.57	1/4	1,064.19	1/4	700.95	1/4	337.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,783.45	1/2	1,420.00	1/2	1,056.62	1/2	693.38	1/2	329.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,775.88	3/4	1,412.43	3/4	1,049.05	3/4	685.82	3/4	322.40	3/4		3/4		3/4		3/4		3/4	
10	1,768.31	10	1,404.86	10	1,041.49	10	678.25	10	314.83	10		10		10		10		10	
1/4	1,760.74	1/4	1,397.29	1/4	1,033.92	1/4	670.68	1/4	307.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,753.17	1/2	1,389.71	1/2	1,026.36	1/2	663.12	1/2	299.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,745.60	3/4	1,382.14	3/4	1,018.79	3/4	655.55	3/4	292.12	3/4		3/4		3/4		3/4		3/4	
11	1,738.02	11	1,374.57	11	1,011.23	11	647.97	11	284.55	11		11		11		11		11	
1/4	1,730.45	1/4	1,367.00	1/4	1,003.66	1/4	640.40	1/4	276.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,722.88	1/2	1,359.43	1/2	996.10	1/2	632.83	1/2	269.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,715.31	3/4	1,351.86	3/4	988.53	3/4	625.26	3/4	261.83	3/4		3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "NGL 3003"

2 PORT 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	5,287.84	0	4,950.88	0	4,589.54	0	4,227.63	0	3,865.71	0	3,503.78	0	3,141.87	0	2,779.90	0	2,417.85	
1/4	1/4	5,284.45	1/4	4,943.38	1/4	4,582.00	1/4	4,220.09	1/4	3,858.16	1/4	3,496.23	1/4	3,134.33	1/4	2,772.35	1/4	2,410.31	
1/2	1/2	5,279.81	1/2	4,935.87	1/2	4,574.46	1/2	4,212.55	1/2	3,850.62	1/2	3,488.70	1/2	3,126.79	1/2	2,764.81	1/2	2,402.76	
3/4	3/4	5,275.16	3/4	4,928.35	3/4	4,566.93	3/4	4,205.01	3/4	3,843.08	3/4	3,481.16	3/4	3,119.25	3/4	2,757.27	3/4	2,395.22	
1	1	5,270.52	1	4,920.84	1	4,559.39	1	4,197.47	1	3,835.54	1	3,473.63	1	3,111.71	1	2,749.73	1	2,387.68	
1/4	1/4	5,265.88	1/4	4,913.33	1/4	4,551.85	1/4	4,189.93	1/4	3,828.00	1/4	3,466.09	1/4	3,104.16	1/4	2,742.19	1/4	2,380.14	
1/2	1/2	5,259.98	1/2	4,905.82	1/2	4,544.31	1/2	4,182.38	1/2	3,820.46	1/2	3,458.55	1/2	3,096.62	1/2	2,734.65	1/2	2,372.60	
3/4	3/4	5,254.08	3/4	4,898.31	3/4	4,536.77	3/4	4,174.84	3/4	3,812.93	3/4	3,451.01	3/4	3,089.08	3/4	2,727.10	3/4	2,365.06	
2	2	5,248.18	2	4,890.79	2	4,529.23	2	4,167.30	2	3,805.39	2	3,443.47	2	3,081.54	2	2,719.56	2	2,357.51	
1/4	1/4	5,242.28	1/4	4,883.28	1/4	4,521.69	1/4	4,159.76	1/4	3,797.85	1/4	3,435.93	1/4	3,074.00	1/4	2,712.02	1/4	2,349.97	
1/2	1/2	5,235.16	1/2	4,875.77	1/2	4,514.15	1/2	4,152.22	1/2	3,790.31	1/2	3,428.38	1/2	3,066.46	1/2	2,704.48	1/2	2,342.43	
3/4	3/4	5,228.03	3/4	4,868.26	3/4	4,506.60	3/4	4,144.69	3/4	3,782.77	3/4	3,420.84	3/4	3,058.93	3/4	2,696.94	3/4	2,334.89	
3	3	5,220.91	3	4,860.75	3	4,499.06	3	4,137.15	3	3,775.23	3	3,413.30	3	3,051.39	3	2,689.40	3	2,327.35	
1/4	1/4	5,213.78	1/4	4,853.23	1/4	4,491.52	1/4	4,129.62	1/4	3,767.69	1/4	3,405.76	1/4	3,043.85	1/4	2,681.85	1/4	2,319.81	
1/2	1/2	5,206.27	1/2	4,845.73	1/2	4,483.98	1/2	4,122.07	1/2	3,760.15	1/2	3,398.22	1/2	3,036.31	1/2	2,674.31	1/2	2,312.26	
3/4	3/4	5,198.76	3/4	4,838.22	3/4	4,476.45	3/4	4,114.53	3/4	3,752.60	3/4	3,390.69	3/4	3,028.77	3/4	2,666.76	3/4	2,304.72	
4	4	5,191.25	4	4,830.72	4	4,468.91	4	4,106.99	4	3,745.06	4	3,383.15	4	3,021.23	4	2,659.21	4	2,297.18	
1/4	1/4	5,183.73	1/4	4,823.21	1/4	4,461.38	1/4	4,099.45	1/4	3,737.52	1/4	3,375.62	1/4	3,013.69	1/4	2,651.66	1/4	2,289.64	
1/2	1/2	5,176.22	1/2	4,815.69	1/2	4,453.84	1/2	4,091.91	1/2	3,729.98	1/2	3,368.07	1/2	3,006.15	1/2	2,644.12	1/2	2,282.09	
3/4	3/4	5,168.70	3/4	4,808.18	3/4	4,446.29	3/4	4,084.37	3/4	3,722.44	3/4	3,360.53	3/4	2,998.60	3/4	2,636.58	3/4	2,274.54	
5	5	5,161.18	5	4,800.66	5	4,438.75	5	4,076.82	5	3,714.90	5	3,352.99	5	2,991.06	5	2,629.04	5	2,267.00	
1/4	1/4	5,153.66	1/4	4,793.14	1/4	4,431.21	1/4	4,069.28	1/4	3,707.35	1/4	3,345.45	1/4	2,983.52	1/4	2,621.50	1/4	2,259.45	
1/2	1/2	5,146.15	1/2	4,785.60	1/2	4,423.67	1/2	4,061.74	1/2	3,699.82	1/2	3,337.91	1/2	2,975.98	1/2	2,613.96	1/2	2,251.91	
3/4	3/4	5,138.64	3/4	4,778.06	3/4	4,416.13	3/4	4,054.20	3/4	3,692.28	3/4	3,330.37	3/4	2,968.44	3/4	2,606.41	3/4	2,244.37	
6	6	5,131.13	6	4,770.51	6	4,408.59	6	4,046.66	6	3,684.75	6	3,322.82	6	2,960.90	6	2,598.87	6	2,236.82	
1/4	1/4	5,123.62	1/4	4,762.97	1/4	4,401.04	1/4	4,039.12	1/4	3,677.21	1/4	3,315.28	1/4	2,953.35	1/4	2,591.33	1/4	2,229.28	
1/2	1/2	5,116.11	1/2	4,755.43	1/2	4,393.50	1/2	4,031.58	1/2	3,669.67	1/2	3,307.74	1/2	2,945.82	1/2	2,583.79	1/2	2,221.74	
3/4	3/4	5,108.60	3/4	4,747.89	3/4	4,385.96	3/4	4,024.04	3/4	3,662.13	3/4	3,300.20	3/4	2,938.28	3/4	2,576.25	3/4	2,214.20	
7	7	5,101.10	7	4,740.35	7	4,378.42	7	4,016.51	7	3,654.59	7	3,292.66	7	2,930.75	7	2,568.71	7	2,206.66	
1/4	1/4	5,093.59	1/4	4,732.81	1/4	4,370.88	1/4	4,008.97	1/4	3,647.04	1/4	3,285.12	1/4	2,923.21	1/4	2,561.16	1/4	2,199.12	
1/2	1/2	5,086.08	1/2	4,725.26	1/2	4,363.34	1/2	4,001.43	1/2	3,639.50	1/2	3,277.58	1/2	2,915.67	1/2	2,553.62	1/2	2,191.57	
3/4	3/4	5,078.57	3/4	4,717.72	3/4	4,355.81	3/4	3,993.89	3/4	3,631.96	3/4	3,270.04	3/4	2,908.13	3/4	2,546.08	3/4	2,184.03	
8	8	5,071.06	8	4,710.18	8	4,348.27	8	3,986.35	8	3,624.42	8	3,262.51	8	2,900.59	8	2,538.54	8	2,176.49	
1/4	1/4	5,063.54	1/4	4,702.64	1/4	4,340.74	1/4	3,978.81	1/4	3,616.88	1/4	3,254.97	1/4	2,893.04	1/4	2,531.00	1/4	2,168.95	
1/2	1/2	5,056.03	1/2	4,695.10	1/2	4,333.19	1/2	3,971.26	1/2	3,609.34	1/2	3,247.43	1/2	2,885.50	1/2	2,523.45	1/2	2,161.41	
3/4	3/4	5,048.52	3/4	4,687.57	3/4	4,325.65	3/4	3,963.72	3/4	3,601.81	3/4	3,239.89	3/4	2,877.96	3/4	2,515.91	3/4	2,153.87	
9	5,310.33	9	5,041.01	9	4,680.03	9	4,318.11	9	3,956.18	9	3,594.27	9	3,232.35	9	2,870.42	9	2,508.37	9	2,146.32
1/4	5,310.21	1/4	5,033.50	1/4	4,672.50	1/4	4,310.57	1/4	3,948.64	1/4	3,586.74	1/4	3,224.81	1/4	2,862.88	1/4	2,500.83	1/4	2,138.78
1/2	5,309.31	1/2	5,025.98	1/2	4,664.96	1/2	4,303.03	1/2	3,941.10	1/2	3,579.19	1/2	3,217.26	1/2	2,855.33	1/2	2,493.28	1/2	2,131.24
3/4	5,308.41	3/4	5,018.47	3/4	4,657.41	3/4	4,295.48	3/4	3,933.57	3/4	3,571.65	3/4	3,209.72	3/4	2,847.78	3/4	2,485.74	3/4	2,123.70
10	5,307.51	10	5,010.96	10	4,649.87	10	4,287.94	10	3,926.03	10	3,564.11	10	3,202.18	10	2,840.24	10	2,478.19	10	2,116.16
1/4	5,306.62	1/4	5,003.45	1/4	4,642.33	1/4	4,280.40	1/4	3,918.50	1/4	3,556.57	1/4	3,194.64	1/4	2,832.69	1/4	2,470.64	1/4	2,108.62
1/2	5,304.46	1/2	4,995.94	1/2	4,634.79	1/2	4,272.87	1/2	3,910.96	1/2	3,549.03	1/2	3,187.10	1/2	2,825.15	1/2	2,463.10	1/2	2,101.07
3/4	5,302.31	3/4	4,988.43	3/4	4,627.25	3/4	4,265.33	3/4	3,903.41	3/4	3,541.48	3/4	3,179.56	3/4	2,817.60	3/4	2,455.56	3/4	2,093.52
11	5,300.15	11	4,980.91	11	4,619.71	11	4,257.79	11	3,895.87	11	3,533.94	11	3,172.01	11	2,810.06	11	2,448.02	11	2,085.97
1/4	5,298.00	1/4	4,973.40	1/4	4,612.16	1/4	4,250.26	1/4	3,888.33	1/4	3,526.40	1/4	3,164.47	1/4	2,802.52	1/4	2,440.47	1/4	2,078.43
1/2	5,294.61	1/2	4,965.90	1/2	4,604.62	1/2	4,242.72	1/2	3,880.79	1/2	3,518.86	1/2	3,156.94	1/2	2,794.98	1/2	2,432.93	1/2	2,070.88
3/4	5,291.22	3/4	4,958.39	3/4	4,597.08	3/4	4,235.18	3/4	3,873.25	3/4	3,511.32	3/4	3,149.40	3/4	2,787.44	3/4	2,425.39	3/4	2,063.34

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10-10" 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 "NGL 3003"

2 PORT 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	2,055.80	0	1,693.75	0	1,331.71	0	969.73	0	607.75	0	245.73	0		0		0		0	
1/4	2,048.26	1/4	1,686.21	1/4	1,324.16	1/4	962.19	1/4	600.21	1/4	238.19	1/4		1/4		1/4		1/4	
1/2	2,040.72	1/2	1,678.67	1/2	1,316.62	1/2	954.65	1/2	592.67	1/2	230.65	1/2		1/2		1/2		1/2	
3/4	2,033.18	3/4	1,671.13	3/4	1,309.08	3/4	947.10	3/4	585.13	3/4	223.10	3/4		3/4		3/4		3/4	
1	2,025.63	1	1,663.59	1	1,301.54	1	939.56	1	577.59	1	215.56	1		1		1		1	
1/4	2,018.09	1/4	1,656.04	1/4	1,294.00	1/4	932.02	1/4	570.04	1/4	208.02	1/4		1/4		1/4		1/4	
1/2	2,010.55	1/2	1,648.50	1/2	1,286.46	1/2	924.49	1/2	562.50	1/2	200.48	1/2		1/2		1/2		1/2	
3/4	2,003.01	3/4	1,640.96	3/4	1,278.91	3/4	916.95	3/4	554.96	3/4	192.94	3/4		3/4		3/4		3/4	
2	1,995.47	2	1,633.42	2	1,271.37	2	909.41	2	547.42	2	185.40	2		2		2		2	
1/4	1,987.93	1/4	1,625.88	1/4	1,263.83	1/4	901.88	1/4	539.88	1/4	177.85	1/4		1/4		1/4		1/4	
1/2	1,980.38	1/2	1,618.34	1/2	1,256.29	1/2	894.34	1/2	532.34	1/2	170.31	1/2		1/2		1/2		1/2	
3/4	1,972.84	3/4	1,610.79	3/4	1,248.75	3/4	886.80	3/4	524.79	3/4	162.77	3/4		3/4		3/4		3/4	
3	1,965.30	3	1,603.25	3	1,241.21	3	879.25	3	517.25	3	155.23	3		3		3		3	
1/4	1,957.76	1/4	1,595.71	1/4	1,233.66	1/4	871.71	1/4	509.71	1/4	147.69	1/4		1/4		1/4		1/4	
1/2	1,950.22	1/2	1,588.17	1/2	1,226.12	1/2	864.17	1/2	502.17	1/2	140.01	1/2		1/2		1/2		1/2	
3/4	1,942.68	3/4	1,580.63	3/4	1,218.58	3/4	856.63	3/4	494.63	3/4	132.33	3/4		3/4		3/4		3/4	
4	1,935.13	4	1,573.09	4	1,211.04	4	849.09	4	487.09	4	124.65	4		4		4		4	
1/4	1,927.59	1/4	1,565.54	1/4	1,203.50	1/4	841.55	1/4	479.54	1/4	116.97	1/4		1/4		1/4		1/4	
1/2	1,920.04	1/2	1,558.00	1/2	1,195.95	1/2	834.00	1/2	472.00	1/2	109.04	1/2		1/2		1/2		1/2	
3/4	1,912.50	3/4	1,550.45	3/4	1,188.40	3/4	826.46	3/4	464.46	3/4	101.10	3/4		3/4		3/4		3/4	
5	1,904.95	5	1,542.90	5	1,180.85	5	818.92	5	456.92	5	93.17	5		5		5		5	
1/4	1,897.40	1/4	1,535.35	1/4	1,173.31	1/4	811.38	1/4	449.38	1/4	85.23	1/4		1/4		1/4		1/4	
1/2	1,889.86	1/2	1,527.81	1/2	1,165.76	1/2	803.84	1/2	441.84	1/2	78.56	1/2		1/2		1/2		1/2	
3/4	1,882.32	3/4	1,520.27	3/4	1,158.22	3/4	796.30	3/4	434.29	3/4	71.88	3/4		3/4		3/4		3/4	
6	1,874.78	6	1,512.73	6	1,150.68	6	788.75	6	426.75	6	65.20	6		6		6		6	
1/4	1,867.24	1/4	1,505.19	1/4	1,143.14	1/4	781.21	1/4	419.21	1/4	58.52	1/4		1/4		1/4		1/4	
1/2	1,859.69	1/2	1,497.65	1/2	1,135.60	1/2	773.67	1/2	411.66	1/2	53.10	1/2		1/2		1/2		1/2	
3/4	1,852.15	3/4	1,490.10	3/4	1,128.07	3/4	766.13	3/4	404.12	3/4	47.69	3/4		3/4		3/4		3/4	
7	1,844.61	7	1,482.56	7	1,120.53	7	758.59	7	396.57	7	42.27	7		7		7		7	
1/4	1,837.07	1/4	1,475.02	1/4	1,113.00	1/4	751.05	1/4	389.02	1/4	36.85	1/4		1/4		1/4		1/4	
1/2	1,829.53	1/2	1,467.48	1/2	1,105.46	1/2	743.50	1/2	381.48	1/2	32.69	1/2		1/2		1/2		1/2	
3/4	1,821.98	3/4	1,459.94	3/4	1,097.91	3/4	735.96	3/4	373.94	3/4	28.52	3/4		3/4		3/4		3/4	
8	1,814.44	8	1,452.40	8	1,090.37	8	728.42	8	366.40	8	24.35	8		8		8		8	
1/4	1,806.90	1/4	1,444.85	1/4	1,082.83	1/4	720.88	1/4	358.85	1/4	20.19	1/4		1/4		1/4		1/4	
1/2	1,799.36	1/2	1,437.31	1/2	1,075.29	1/2	713.34	1/2	351.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,791.82	3/4	1,429.77	3/4	1,067.75	3/4	705.80	3/4	343.73	3/4		3/4		3/4		3/4		3/4	
9	1,784.28	9	1,422.23	9	1,060.21	9	698.25	9	336.18	9		9		9		9		9	
1/4	1,776.73	1/4	1,414.69	1/4	1,052.66	1/4	690.71	1/4	328.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,769.19	1/2	1,407.15	1/2	1,045.12	1/2	683.17	1/2	321.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,761.65	3/4	1,399.60	3/4	1,037.58	3/4	675.63	3/4	313.57	3/4		3/4		3/4		3/4		3/4	
10	1,754.11	10	1,392.06	10	1,030.04	10	668.09	10	306.04	10		10		10		10		10	
1/4	1,746.57	1/4	1,384.52	1/4	1,022.50	1/4	660.55	1/4	298.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,739.02	1/2	1,376.97	1/2	1,014.96	1/2	653.00	1/2	290.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,731.47	3/4	1,369.43	3/4	1,007.43	3/4	645.46	3/4	283.44	3/4		3/4		3/4		3/4		3/4	
11	1,723.93	11	1,361.88	11	999.89	11	637.92	11	275.90	11		11		11		11		11	
1/4	1,716.38	1/4	1,354.33	1/4	992.35	1/4	630.38	1/4	268.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,708.84	1/2	1,346.79	1/2	984.81	1/2	622.84	1/2	260.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,701.29	3/4	1,339.25	3/4	977.27	3/4	615.29	3/4	253.27	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/19/2012 JLF
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REPRINTED: 02/20/2017 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "NGL 3003"

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	5,278.60	0	4,942.12	0	4,581.30	0	4,219.87	0	3,858.46	0	3,497.05	0	3,135.63	0	2,774.17	0	2,412.63	
1/4	1/4	5,275.22	1/4	4,934.62	1/4	4,573.77	1/4	4,212.34	1/4	3,850.93	1/4	3,489.53	1/4	3,128.10	1/4	2,766.65	1/4	2,405.10	
1/2	1/2	5,270.58	1/2	4,927.12	1/2	4,566.24	1/2	4,204.81	1/2	3,843.40	1/2	3,482.00	1/2	3,120.57	1/2	2,759.11	1/2	2,397.57	
3/4	3/4	5,265.94	3/4	4,919.62	3/4	4,558.71	3/4	4,197.28	3/4	3,835.87	3/4	3,474.47	3/4	3,113.04	3/4	2,751.57	3/4	2,390.04	
1	1	5,261.31	1	4,912.12	1	4,551.18	1	4,189.75	1	3,828.34	1	3,466.94	1	3,105.51	1	2,744.04	1	2,382.51	
1/4	1/4	5,256.67	1/4	4,904.62	1/4	4,543.65	1/4	4,182.22	1/4	3,820.81	1/4	3,459.41	1/4	3,097.98	1/4	2,736.50	1/4	2,374.98	
1/2	1/2	5,250.78	1/2	4,897.12	1/2	4,536.12	1/2	4,174.69	1/2	3,813.28	1/2	3,451.88	1/2	3,090.45	1/2	2,728.97	1/2	2,367.44	
3/4	3/4	5,244.88	3/4	4,889.62	3/4	4,528.59	3/4	4,167.16	3/4	3,805.75	3/4	3,444.35	3/4	3,082.92	3/4	2,721.44	3/4	2,359.91	
2	2	5,238.99	2	4,882.12	2	4,521.06	2	4,159.63	2	3,798.22	2	3,436.82	2	3,075.39	2	2,713.91	2	2,352.37	
1/4	1/4	5,233.10	1/4	4,874.62	1/4	4,513.53	1/4	4,152.10	1/4	3,790.69	1/4	3,429.29	1/4	3,067.86	1/4	2,706.38	1/4	2,344.84	
1/2	1/2	5,225.98	1/2	4,867.12	1/2	4,506.00	1/2	4,144.57	1/2	3,783.16	1/2	3,421.76	1/2	3,061.95	1/2	2,698.85	1/2	2,337.31	
3/4	3/4	5,218.87	3/4	4,859.62	3/4	4,498.47	3/4	4,137.04	3/4	3,775.63	3/4	3,414.23	3/4	3,056.05	3/4	2,691.32	3/4	2,329.78	
3	3	5,211.76	3	4,852.12	3	4,490.94	3	4,129.51	3	3,768.10	3	3,406.70	3	3,050.15	3	2,683.79	3	2,322.25	
1/4	1/4	5,204.65	1/4	4,844.62	1/4	4,483.41	1/4	4,121.98	1/4	3,760.57	1/4	3,399.17	1/4	3,044.24	1/4	2,676.26	1/4	2,314.72	
1/2	1/2	5,197.14	1/2	4,837.12	1/2	4,475.88	1/2	4,114.46	1/2	3,753.05	1/2	3,391.64	1/2	3,035.09	1/2	2,668.73	1/2	2,307.19	
3/4	3/4	5,189.63	3/4	4,829.62	3/4	4,468.35	3/4	4,106.93	3/4	3,745.52	3/4	3,384.11	3/4	3,025.93	3/4	2,661.19	3/4	2,299.66	
4	4	5,182.13	4	4,822.12	4	4,460.82	4	4,099.41	4	3,737.99	4	3,376.58	4	3,016.78	4	2,653.66	4	2,292.13	
1/4	1/4	5,174.62	1/4	4,814.62	1/4	4,453.29	1/4	4,091.89	1/4	3,730.46	1/4	3,369.05	1/4	3,007.62	1/4	2,646.12	1/4	2,284.60	
1/2	1/2	5,167.12	1/2	4,807.11	1/2	4,445.76	1/2	4,084.36	1/2	3,722.93	1/2	3,361.52	1/2	3,000.09	1/2	2,638.59	1/2	2,277.06	
3/4	3/4	5,159.62	3/4	4,799.60	3/4	4,438.23	3/4	4,076.83	3/4	3,715.40	3/4	3,353.99	3/4	2,992.56	3/4	2,631.06	3/4	2,269.53	
5	5	5,152.12	5	4,792.09	5	4,430.70	5	4,069.30	5	3,707.87	5	3,346.46	5	2,985.03	5	2,623.53	5	2,261.99	
1/4	1/4	5,144.62	1/4	4,784.57	1/4	4,423.17	1/4	4,061.77	1/4	3,700.34	1/4	3,338.93	1/4	2,977.50	1/4	2,616.00	1/4	2,254.45	
1/2	1/2	5,137.12	1/2	4,777.04	1/2	4,415.64	1/2	4,054.24	1/2	3,692.81	1/2	3,331.40	1/2	2,969.97	1/2	2,608.47	1/2	2,246.92	
3/4	3/4	5,129.62	3/4	4,769.51	3/4	4,408.11	3/4	4,046.71	3/4	3,685.28	3/4	3,323.87	3/4	2,962.44	3/4	2,600.93	3/4	2,239.40	
6	6	5,122.12	6	4,761.98	6	4,400.58	6	4,039.18	6	3,677.75	6	3,316.34	6	2,954.91	6	2,593.40	6	2,231.87	
1/4	1/4	5,114.62	1/4	4,754.45	1/4	4,393.05	1/4	4,031.65	1/4	3,670.22	1/4	3,308.81	1/4	2,947.38	1/4	2,585.86	1/4	2,224.34	
1/2	1/2	5,107.12	1/2	4,746.92	1/2	4,385.52	1/2	4,024.12	1/2	3,662.69	1/2	3,301.28	1/2	2,939.85	1/2	2,578.33	1/2	2,216.80	
3/4	3/4	5,099.62	3/4	4,739.40	3/4	4,377.99	3/4	4,016.59	3/4	3,655.16	3/4	3,293.75	3/4	2,932.32	3/4	2,570.80	3/4	2,209.26	
7	7	5,092.12	7	4,731.87	7	4,370.46	7	4,009.06	7	3,647.63	7	3,286.22	7	2,924.79	7	2,563.27	7	2,201.73	
1/4	1/4	5,084.62	1/4	4,724.34	1/4	4,362.93	1/4	4,001.53	1/4	3,640.10	1/4	3,278.69	1/4	2,917.26	1/4	2,555.74	1/4	2,194.19	
1/2	1/2	5,077.12	1/2	4,716.81	1/2	4,355.40	1/2	3,994.00	1/2	3,632.57	1/2	3,271.16	1/2	2,909.73	1/2	2,548.21	1/2	2,186.66	
3/4	3/4	5,069.62	3/4	4,709.29	3/4	4,347.87	3/4	3,986.47	3/4	3,625.04	3/4	3,263.63	3/4	2,902.21	3/4	2,540.68	3/4	2,179.13	
8	8	5,062.12	8	4,701.77	8	4,340.34	8	3,978.94	8	3,617.51	8	3,256.10	8	2,894.68	8	2,533.15	8	2,171.60	
1/4	1/4	5,054.62	1/4	4,694.24	1/4	4,332.81	1/4	3,971.41	1/4	3,609.98	1/4	3,248.57	1/4	2,887.15	1/4	2,525.62	1/4	2,164.07	
1/2	1/2	5,047.12	1/2	4,686.71	1/2	4,325.28	1/2	3,963.88	1/2	3,602.45	1/2	3,241.04	1/2	2,879.62	1/2	2,518.09	1/2	2,156.54	
3/4	3/4	5,039.62	3/4	4,679.18	3/4	4,317.75	3/4	3,956.35	3/4	3,594.92	3/4	3,233.52	3/4	2,872.09	3/4	2,510.55	3/4	2,149.01	
9	5,301.05	9	5,032.12	9	4,671.65	9	4,310.22	9	3,948.82	9	3,587.39	9	3,225.99	9	2,864.56	9	2,503.01	9	2,141.48
1/4	5,300.93	1/4	5,024.62	1/4	4,664.12	1/4	4,302.69	1/4	3,941.29	1/4	3,579.86	1/4	3,218.46	1/4	2,857.03	1/4	2,495.48	1/4	2,133.95
1/2	5,300.03	1/2	5,017.12	1/2	4,656.59	1/2	4,295.16	1/2	3,933.76	1/2	3,572.33	1/2	3,210.93	1/2	2,849.50	1/2	2,487.95	1/2	2,126.42
3/4	5,299.13	3/4	5,009.62	3/4	4,649.06	3/4	4,287.63	3/4	3,926.23	3/4	3,564.80	3/4	3,203.40	3/4	2,841.97	3/4	2,480.42	3/4	2,118.88
10	5,298.23	10	5,002.12	10	4,641.53	10	4,280.10	10	3,918.70	10	3,557.27	10	3,195.87	10	2,834.44	10	2,472.89	10	2,111.35
1/4	5,297.34	1/4	4,994.62	1/4	4,634.01	1/4	4,272.57	1/4	3,911.17	1/4	3,549.74	1/4	3,188.34	1/4	2,826.91	1/4	2,465.36	1/4	2,103.81
1/2	5,295.19	1/2	4,987.12	1/2	4,626.48	1/2	4,265.04	1/2	3,903.64	1/2	3,542.21	1/2	3,180.81	1/2	2,819.37	1/2	2,457.83	1/2	2,096.28
3/4	5,293.04	3/4	4,979.62	3/4	4,618.95	3/4	4,257.51	3/4	3,896.11	3/4	3,534.68	3/4	3,173.28	3/4	2,811.84	3/4	2,450.30	3/4	2,088.75
11	5,290.89	11	4,972.12	11	4,611.42	11	4,249.99	11	3,888.58	11	3,527.15	11	3,165.75	11	2,804.30	11	2,442.77	11	2,081.22
1/4	5,288.74	1/4	4,964.62	1/4	4,603.89	1/4	4,242.46	1/4	3,881.05	1/4	3,519.62	1/4	3,158.22	1/4	2,796.76	1/4	2,435.24	1/4	2,073.69
1/2	5,285.36	1/2	4,957.12	1/2	4,596.36	1/2	4,234.93	1/2	3,873.52	1/2	3,512.10	1/2	3,150.69	1/2	2,789.23	1/2	2,427.70	1/2	2,066.16
3/4	5,281.98	3/4	4,949.62	3/4	4,588.83	3/4	4,227.40	3/4	3,865.99	3/4	3,504.57	3/4	3,143.16	3/4	2,781.70	3/4	2,420.17	3/4	2,058.62

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10-10" 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 "NGL 3003"

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	2,051.09	0	1,689.56	0	1,328.01	0	967.47	0	606.90	0	245.40	0		0		0		0	
1/4	2,043.55	1/4	1,682.03	1/4	1,320.48	1/4	959.98	1/4	599.36	1/4	237.86	1/4		1/4		1/4		1/4	
1/2	2,036.02	1/2	1,674.49	1/2	1,312.95	1/2	952.48	1/2	591.83	1/2	230.33	1/2		1/2		1/2		1/2	
3/4	2,028.49	3/4	1,666.95	3/4	1,305.42	3/4	944.99	3/4	584.30	3/4	222.80	3/4		3/4		3/4		3/4	
1	2,020.96	1	1,659.42	1	1,297.89	1	937.50	1	576.77	1	215.27	1		1		1		1	
1/4	2,013.43	1/4	1,651.88	1/4	1,290.36	1/4	930.00	1/4	569.24	1/4	207.74	1/4		1/4		1/4		1/4	
1/2	2,005.90	1/2	1,644.35	1/2	1,282.82	1/2	922.51	1/2	561.71	1/2	200.21	1/2		1/2		1/2		1/2	
3/4	1,998.37	3/4	1,636.82	3/4	1,275.29	3/4	915.03	3/4	554.18	3/4	192.68	3/4		3/4		3/4		3/4	
2	1,990.84	2	1,629.29	2	1,267.75	2	907.54	2	546.65	2	185.15	2		2		2		2	
1/4	1,983.31	1/4	1,621.76	1/4	1,260.22	1/4	900.05	1/4	539.12	1/4	177.62	1/4		1/4		1/4		1/4	
1/2	1,975.78	1/2	1,614.23	1/2	1,252.69	1/2	892.56	1/2	531.59	1/2	170.09	1/2		1/2		1/2		1/2	
3/4	1,968.24	3/4	1,606.70	3/4	1,245.16	3/4	885.06	3/4	524.06	3/4	162.56	3/4		3/4		3/4		3/4	
3	1,960.70	3	1,599.17	3	1,237.63	3	877.57	3	516.53	3	155.03	3		3		3		3	
1/4	1,953.17	1/4	1,591.65	1/4	1,230.10	1/4	870.07	1/4	509.00	1/4	147.50	1/4		1/4		1/4		1/4	
1/2	1,945.64	1/2	1,584.11	1/2	1,222.56	1/2	862.58	1/2	501.47	1/2	139.83	1/2		1/2		1/2		1/2	
3/4	1,938.11	3/4	1,576.57	3/4	1,215.03	3/4	855.09	3/4	493.93	3/4	132.16	3/4		3/4		3/4		3/4	
4	1,930.58	4	1,569.04	4	1,207.49	4	847.59	4	486.40	4	124.48	4		4		4		4	
1/4	1,923.05	1/4	1,561.50	1/4	1,199.95	1/4	840.10	1/4	478.86	1/4	116.81	1/4		1/4		1/4		1/4	
1/2	1,915.51	1/2	1,553.97	1/2	1,192.42	1/2	832.61	1/2	471.33	1/2	108.89	1/2		1/2		1/2		1/2	
3/4	1,907.98	3/4	1,546.44	3/4	1,184.90	3/4	825.12	3/4	463.80	3/4	100.97	3/4		3/4		3/4		3/4	
5	1,900.44	5	1,538.91	5	1,177.37	5	817.63	5	456.27	5	93.04	5		5		5		5	
1/4	1,892.91	1/4	1,531.38	1/4	1,169.84	1/4	810.15	1/4	448.74	1/4	85.12	1/4		1/4		1/4		1/4	
1/2	1,885.38	1/2	1,523.85	1/2	1,162.32	1/2	802.64	1/2	441.21	1/2	78.45	1/2		1/2		1/2		1/2	
3/4	1,877.85	3/4	1,516.31	3/4	1,154.80	3/4	795.13	3/4	433.68	3/4	71.79	3/4		3/4		3/4		3/4	
6	1,870.32	6	1,508.78	6	1,147.28	6	787.63	6	426.15	6	65.12	6		6		6		6	
1/4	1,862.79	1/4	1,501.24	1/4	1,139.76	1/4	780.12	1/4	418.62	1/4	58.45	1/4		1/4		1/4		1/4	
1/2	1,855.26	1/2	1,493.71	1/2	1,132.27	1/2	772.59	1/2	411.09	1/2	53.04	1/2		1/2		1/2		1/2	
3/4	1,847.73	3/4	1,486.18	3/4	1,124.78	3/4	765.06	3/4	403.56	3/4	47.63	3/4		3/4		3/4		3/4	
7	1,840.20	7	1,478.65	7	1,117.28	7	757.53	7	396.03	7	42.22	7		7		7		7	
1/4	1,832.67	1/4	1,471.12	1/4	1,109.79	1/4	750.00	1/4	388.50	1/4	36.81	1/4		1/4		1/4		1/4	
1/2	1,825.13	1/2	1,463.59	1/2	1,102.30	1/2	742.47	1/2	380.97	1/2	32.65	1/2		1/2		1/2		1/2	
3/4	1,817.60	3/4	1,456.06	3/4	1,094.81	3/4	734.93	3/4	373.43	3/4	28.49	3/4		3/4		3/4		3/4	
8	1,810.06	8	1,448.53	8	1,087.32	8	727.40	8	365.90	8	24.33	8		8		8		8	
1/4	1,802.53	1/4	1,441.00	1/4	1,079.84	1/4	719.86	1/4	358.36	1/4	20.17	1/4		1/4		1/4		1/4	
1/2	1,795.00	1/2	1,433.47	1/2	1,072.34	1/2	712.33	1/2	350.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,787.47	3/4	1,425.93	3/4	1,064.85	3/4	704.80	3/4	343.30	3/4		3/4		3/4		3/4		3/4	
9	1,779.94	9	1,418.40	9	1,057.35	9	697.27	9	335.77	9		9		9		9		9	
1/4	1,772.41	1/4	1,410.86	1/4	1,049.86	1/4	689.74	1/4	328.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,764.87	1/2	1,403.33	1/2	1,042.37	1/2	682.21	1/2	320.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,757.34	3/4	1,395.80	3/4	1,034.88	3/4	674.68	3/4	313.18	3/4		3/4		3/4		3/4		3/4	
10	1,749.80	10	1,388.27	10	1,027.40	10	667.15	10	305.65	10		10		10		10		10	
1/4	1,742.26	1/4	1,380.74	1/4	1,019.91	1/4	659.62	1/4	298.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,734.73	1/2	1,373.20	1/2	1,012.41	1/2	652.09	1/2	290.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,727.21	3/4	1,365.67	3/4	1,004.92	3/4	644.56	3/4	283.06	3/4		3/4		3/4		3/4		3/4	
11	1,719.68	11	1,358.13	11	997.43	11	637.03	11	275.53	11		11		11		11		11	
1/4	1,712.15	1/4	1,350.60	1/4	989.93	1/4	629.50	1/4	268.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,704.62	1/2	1,343.07	1/2	982.44	1/2	621.97	1/2	260.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,697.09	3/4	1,335.54	3/4	974.95	3/4	614.43	3/4	252.93	3/4		3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "NGL 3003"

3 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	4,458.43	0	4,281.24	0	4,088.47	0	3,895.08	0	3,701.68	0	3,497.86	0	3,137.33	0	2,776.75	0	2,416.10	
1/4	1/4	4,456.64	1/4	4,277.24	1/4	4,084.44	1/4	3,891.05	1/4	3,697.65	1/4	3,490.35	1/4	3,129.82	1/4	2,769.24	1/4	2,408.59	
1/2	1/2	4,454.84	1/2	4,273.24	1/2	4,080.41	1/2	3,887.03	1/2	3,693.62	1/2	3,482.84	1/2	3,122.31	1/2	2,761.72	1/2	2,401.08	
3/4	3/4	4,452.37	3/4	4,269.24	3/4	4,076.38	3/4	3,883.00	3/4	3,689.59	3/4	3,475.33	3/4	3,114.80	3/4	2,754.21	3/4	2,393.56	
1	1	4,449.91	1	4,265.24	1	4,072.35	1	3,878.97	1	3,685.56	1	3,467.81	1	3,107.29	1	2,746.70	1	2,386.05	
1/4	1/4	4,447.45	1/4	4,261.24	1/4	4,068.32	1/4	3,874.94	1/4	3,681.53	1/4	3,460.30	1/4	3,099.78	1/4	2,739.18	1/4	2,378.54	
1/2	1/2	4,444.98	1/2	4,257.24	1/2	4,064.29	1/2	3,870.91	1/2	3,677.50	1/2	3,452.79	1/2	3,092.27	1/2	2,731.67	1/2	2,371.03	
3/4	3/4	4,441.84	3/4	4,253.24	3/4	4,060.26	3/4	3,866.88	3/4	3,673.48	3/4	3,445.28	3/4	3,084.75	3/4	2,724.16	3/4	2,363.51	
2	2	4,438.70	2	4,249.24	2	4,056.23	2	3,862.85	2	3,669.46	2	3,437.77	2	3,077.24	2	2,716.65	2	2,355.99	
1/4	1/4	4,435.55	1/4	4,245.24	1/4	4,052.20	1/4	3,858.82	1/4	3,665.43	1/4	3,430.25	1/4	3,069.73	1/4	2,709.14	1/4	2,348.47	
1/2	1/2	4,432.41	1/2	4,241.24	1/2	4,048.17	1/2	3,854.79	1/2	3,661.41	1/2	3,422.74	1/2	3,062.22	1/2	2,701.62	1/2	2,340.96	
3/4	3/4	4,428.62	3/4	4,237.24	3/4	4,044.14	3/4	3,850.76	3/4	3,657.38	3/4	3,415.23	3/4	3,054.71	3/4	2,694.11	3/4	2,333.45	
3	3	4,424.83	3	4,233.24	3	4,040.11	3	3,846.73	3	3,653.35	3	3,407.72	3	3,047.20	3	2,686.60	3	2,325.93	
1/4	1/4	4,421.03	1/4	4,229.24	1/4	4,036.08	1/4	3,842.70	1/4	3,649.32	1/4	3,400.21	1/4	3,039.68	1/4	2,679.09	1/4	2,318.42	
1/2	1/2	4,417.24	1/2	4,225.24	1/2	4,032.05	1/2	3,838.67	1/2	3,645.29	1/2	3,392.70	1/2	3,032.17	1/2	2,671.58	1/2	2,310.91	
3/4	3/4	4,413.24	3/4	4,221.24	3/4	4,028.02	3/4	3,834.64	3/4	3,641.26	3/4	3,385.18	3/4	3,024.66	3/4	2,664.06	3/4	2,303.40	
4	4	4,409.24	4	4,217.24	4	4,023.99	4	3,830.61	4	3,637.23	4	3,377.67	4	3,017.15	4	2,656.54	4	2,295.89	
1/4	1/4	4,405.24	1/4	4,213.24	1/4	4,019.96	1/4	3,826.58	1/4	3,633.20	1/4	3,370.16	1/4	3,009.64	1/4	2,649.02	1/4	2,288.37	
1/2	1/2	4,401.24	1/2	4,209.24	1/2	4,015.93	1/2	3,822.55	1/2	3,629.17	1/2	3,362.65	1/2	3,002.12	1/2	2,641.50	1/2	2,280.86	
3/4	3/4	4,397.24	3/4	4,205.24	3/4	4,011.91	3/4	3,818.52	3/4	3,625.14	3/4	3,355.14	3/4	2,994.61	3/4	2,633.99	3/4	2,273.34	
5	5	4,393.23	5	4,201.23	5	4,007.89	5	3,814.49	5	3,621.11	5	3,347.62	5	2,987.10	5	2,626.48	5	2,265.83	
1/4	1/4	4,389.22	1/4	4,197.23	1/4	4,003.86	1/4	3,810.46	1/4	3,617.08	1/4	3,340.11	1/4	2,979.59	1/4	2,618.97	1/4	2,258.31	
1/2	1/2	4,385.22	1/2	4,193.22	1/2	3,999.84	1/2	3,806.43	1/2	3,613.05	1/2	3,332.60	1/2	2,972.08	1/2	2,611.46	1/2	2,250.79	
3/4	3/4	4,381.22	3/4	4,189.19	3/4	3,995.81	3/4	3,802.40	3/4	3,609.02	3/4	3,325.09	3/4	2,964.56	3/4	2,603.95	3/4	2,243.28	
6	6	4,377.22	6	4,185.16	6	3,991.78	6	3,798.37	6	3,604.99	6	3,317.59	6	2,957.05	6	2,596.43	6	2,235.77	
1/4	1/4	4,373.22	1/4	4,181.13	1/4	3,987.75	1/4	3,794.34	1/4	3,600.96	1/4	3,310.08	1/4	2,949.54	1/4	2,588.92	1/4	2,228.25	
1/2	1/2	4,369.22	1/2	4,177.10	1/2	3,983.72	1/2	3,790.31	1/2	3,596.93	1/2	3,302.58	1/2	2,942.03	1/2	2,581.41	1/2	2,220.74	
3/4	3/4	4,365.22	3/4	4,173.07	3/4	3,979.69	3/4	3,786.29	3/4	3,592.90	3/4	3,295.06	3/4	2,934.52	3/4	2,573.89	3/4	2,213.23	
7	7	4,361.22	7	4,169.04	7	3,975.66	7	3,782.27	7	3,588.87	7	3,287.55	7	2,927.02	7	2,566.37	7	2,205.72	
1/4	1/4	4,357.22	1/4	4,165.01	1/4	3,971.63	1/4	3,778.24	1/4	3,584.84	1/4	3,280.04	1/4	2,919.51	1/4	2,558.86	1/4	2,198.21	
1/2	1/2	4,353.22	1/2	4,160.98	1/2	3,967.60	1/2	3,774.22	1/2	3,580.81	1/2	3,272.53	1/2	2,912.00	1/2	2,551.34	1/2	2,190.70	
3/4	3/4	4,349.22	3/4	4,156.95	3/4	3,963.57	3/4	3,770.19	3/4	3,576.78	3/4	3,265.02	3/4	2,904.49	3/4	2,543.83	3/4	2,183.18	
8	8	4,345.22	8	4,152.92	8	3,959.54	8	3,766.16	8	3,572.75	8	3,257.50	8	2,896.98	8	2,536.31	8	2,175.67	
1/4	1/4	4,341.22	1/4	4,148.89	1/4	3,955.51	1/4	3,762.13	1/4	3,568.73	1/4	3,249.99	1/4	2,889.47	1/4	2,528.80	1/4	2,168.16	
1/2	1/2	4,337.22	1/2	4,144.86	1/2	3,951.48	1/2	3,758.10	1/2	3,564.70	1/2	3,242.48	1/2	2,881.96	1/2	2,521.29	1/2	2,160.65	
3/4	3/4	4,333.22	3/4	4,140.83	3/4	3,947.45	3/4	3,754.07	3/4	3,560.67	3/4	3,234.97	3/4	2,874.44	3/4	2,513.78	3/4	2,153.13	
9	9	4,329.22	9	4,136.80	9	3,943.42	9	3,750.04	9	3,556.65	9	3,227.46	9	2,866.92	9	2,506.27	9	2,145.61	
1/4	4,468.60	1/4	4,325.22	1/4	4,132.77	1/4	3,939.39	1/4	3,746.01	1/4	3,552.62	1/4	3,219.95	1/4	2,859.40	1/4	2,498.75	1/4	2,138.09
1/2	4,468.53	1/2	4,321.22	1/2	4,128.74	1/2	3,935.36	1/2	3,741.98	1/2	3,548.60	1/2	3,212.43	1/2	2,851.89	1/2	2,491.24	1/2	2,130.58
3/4	4,468.05	3/4	4,317.22	3/4	4,124.72	3/4	3,931.33	3/4	3,737.95	3/4	3,544.57	3/4	3,204.92	3/4	2,844.37	3/4	2,483.73	3/4	2,123.06
10	4,467.58	10	4,313.22	10	4,120.70	10	3,927.30	10	3,733.92	10	3,540.54	10	3,197.41	10	2,836.86	10	2,476.21	10	2,115.55
1/4	4,467.10	1/4	4,309.22	1/4	4,116.67	1/4	3,923.27	1/4	3,729.89	1/4	3,536.51	1/4	3,189.90	1/4	2,829.35	1/4	2,468.69	1/4	2,108.04
1/2	4,466.62	1/2	4,305.22	1/2	4,112.65	1/2	3,919.24	1/2	3,725.86	1/2	3,532.48	1/2	3,182.39	1/2	2,821.84	1/2	2,461.17	1/2	2,100.53
3/4	4,465.47	3/4	4,301.22	3/4	4,108.62	3/4	3,915.21	3/4	3,721.83	3/4	3,527.58	3/4	3,174.87	3/4	2,814.33	3/4	2,453.66	3/4	2,093.02
11	4,464.33	11	4,297.23	11	4,104.59	11	3,911.18	11	3,717.80	11	3,522.68	11	3,167.36	11	2,806.81	11	2,446.15	11	2,085.50
1/4	4,463.18	1/4	4,293.24	1/4	4,100.56	1/4	3,907.15	1/4	3,713.77	1/4	3,517.78	1/4	3,159.85	1/4	2,799.30	1/4	2,438.64	1/4	2,077.99
1/2	4,462.03	1/2	4,289.24	1/2	4,096.53	1/2	3,903.12	1/2	3,709.74	1/2	3,512.89	1/2	3,152.34	1/2	2,791.79	1/2	2,431.12	1/2	2,070.48
3/4	4,460.23	3/4	4,285.24	3/4	4,092.50	3/4	3,899.10	3/4	3,705.71	3/4	3,505.37	3/4	3,144.83	3/4	2,784.27	3/4	2,423.61	3/4	2,062.96

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-10" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "NGL 3003"

3 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	2,055.45	0	1,694.79	0	1,334.14	0	973.53	0	612.93	0	252.31	0		0		0		0	
1/4	2,047.93	1/4	1,687.28	1/4	1,326.62	1/4	966.02	1/4	605.42	1/4	244.80	1/4		1/4		1/4		1/4	
1/2	2,040.41	1/2	1,679.77	1/2	1,319.10	1/2	958.50	1/2	597.91	1/2	237.29	1/2		1/2		1/2		1/2	
3/4	2,032.90	3/4	1,672.25	3/4	1,311.59	3/4	950.99	3/4	590.40	3/4	229.78	3/4		3/4		3/4		3/4	
1	2,025.39	1	1,664.74	1	1,304.08	1	943.48	1	582.89	1	222.27	1		1		1		1	
1/4	2,017.87	1/4	1,657.23	1/4	1,296.56	1/4	935.97	1/4	575.37	1/4	214.75	1/4		1/4		1/4		1/4	
1/2	2,010.36	1/2	1,649.72	1/2	1,289.05	1/2	928.46	1/2	567.86	1/2	207.24	1/2		1/2		1/2		1/2	
3/4	2,002.85	3/4	1,642.20	3/4	1,281.54	3/4	920.95	3/4	560.34	3/4	199.73	3/4		3/4		3/4		3/4	
2	1,995.34	2	1,634.68	2	1,274.03	2	913.43	2	552.83	2	192.22	2		2		2		2	
1/4	1,987.83	1/4	1,627.17	1/4	1,266.52	1/4	905.92	1/4	545.31	1/4	184.71	1/4		1/4		1/4		1/4	
1/2	1,980.31	1/2	1,619.65	1/2	1,259.01	1/2	898.41	1/2	537.79	1/2	177.20	1/2		1/2		1/2		1/2	
3/4	1,972.80	3/4	1,612.14	3/4	1,251.49	3/4	890.90	3/4	530.28	3/4	169.68	3/4		3/4		3/4		3/4	
3	1,965.28	3	1,604.62	3	1,243.97	3	883.39	3	522.77	3	162.16	3		3		3		3	
1/4	1,957.76	1/4	1,597.11	1/4	1,236.45	1/4	875.87	1/4	515.25	1/4	154.64	1/4		1/4		1/4		1/4	
1/2	1,950.24	1/2	1,589.60	1/2	1,228.93	1/2	868.36	1/2	507.74	1/2	147.12	1/2		1/2		1/2		1/2	
3/4	1,942.73	3/4	1,582.09	3/4	1,221.42	3/4	860.85	3/4	500.23	3/4	139.61	3/4		3/4		3/4		3/4	
4	1,935.22	4	1,574.58	4	1,213.91	4	853.34	4	492.72	4	131.83	4		4		4		4	
1/4	1,927.71	1/4	1,567.06	1/4	1,206.40	1/4	845.83	1/4	485.21	1/4	124.18	1/4		1/4		1/4		1/4	
1/2	1,920.20	1/2	1,559.55	1/2	1,198.89	1/2	838.31	1/2	477.70	1/2	116.53	1/2		1/2		1/2		1/2	
3/4	1,912.68	3/4	1,552.03	3/4	1,191.37	3/4	830.80	3/4	470.18	3/4	108.62	3/4		3/4		3/4		3/4	
5	1,905.17	5	1,544.52	5	1,183.86	5	823.29	5	462.67	5	100.72	5		5		5		5	
1/4	1,897.66	1/4	1,537.00	1/4	1,176.35	1/4	815.78	1/4	455.16	1/4	92.81	1/4		1/4		1/4		1/4	
1/2	1,890.15	1/2	1,529.48	1/2	1,168.84	1/2	808.27	1/2	447.65	1/2	84.91	1/2		1/2		1/2		1/2	
3/4	1,882.64	3/4	1,521.97	3/4	1,161.33	3/4	800.75	3/4	440.14	3/4	78.26	3/4		3/4		3/4		3/4	
6	1,875.12	6	1,514.46	6	1,153.81	6	793.24	6	432.62	6	71.61	6		6		6		6	
1/4	1,867.61	1/4	1,506.95	1/4	1,146.30	1/4	785.73	1/4	425.11	1/4	64.96	1/4		1/4		1/4		1/4	
1/2	1,860.10	1/2	1,499.43	1/2	1,138.79	1/2	778.22	1/2	417.60	1/2	58.31	1/2		1/2		1/2		1/2	
3/4	1,852.58	3/4	1,491.92	3/4	1,131.28	3/4	770.71	3/4	410.09	3/4	52.92	3/4		3/4		3/4		3/4	
7	1,845.06	7	1,484.41	7	1,123.77	7	763.20	7	402.58	7	47.52	7		7		7		7	
1/4	1,837.55	1/4	1,476.90	1/4	1,116.25	1/4	755.68	1/4	395.06	1/4	42.12	1/4		1/4		1/4		1/4	
1/2	1,830.03	1/2	1,469.39	1/2	1,108.74	1/2	748.17	1/2	387.55	1/2	36.72	1/2		1/2		1/2		1/2	
3/4	1,822.52	3/4	1,461.87	3/4	1,101.23	3/4	740.65	3/4	380.04	3/4	32.57	3/4		3/4		3/4		3/4	
8	1,815.00	8	1,454.35	8	1,093.72	8	733.14	8	372.53	8	28.42	8		8		8		8	
1/4	1,807.49	1/4	1,446.83	1/4	1,086.21	1/4	725.62	1/4	365.02	1/4	24.27	1/4		1/4		1/4		1/4	
1/2	1,799.98	1/2	1,439.31	1/2	1,078.69	1/2	718.10	1/2	357.50	1/2	20.12	1/2		1/2		1/2		1/2	
3/4	1,792.47	3/4	1,431.80	3/4	1,071.18	3/4	710.59	3/4	349.99	3/4		3/4		3/4		3/4		3/4	
9	1,784.96	9	1,424.29	9	1,063.67	9	703.08	9	342.47	9		9		9		9		9	
1/4	1,777.45	1/4	1,416.78	1/4	1,056.16	1/4	695.56	1/4	334.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,769.93	1/2	1,409.27	1/2	1,048.65	1/2	688.05	1/2	327.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,762.42	3/4	1,401.75	3/4	1,041.14	3/4	680.54	3/4	319.92	3/4		3/4		3/4		3/4		3/4	
10	1,754.90	10	1,394.24	10	1,033.62	10	673.03	10	312.41	10		10		10		10		10	
1/4	1,747.38	1/4	1,386.73	1/4	1,026.11	1/4	665.52	1/4	304.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,739.86	1/2	1,379.22	1/2	1,018.60	1/2	658.00	1/2	297.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,732.35	3/4	1,371.71	3/4	1,011.09	3/4	650.49	3/4	289.87	3/4		3/4		3/4		3/4		3/4	
11	1,724.84	11	1,364.20	11	1,003.58	11	642.98	11	282.36	11		11		11		11		11	
1/4	1,717.33	1/4	1,356.68	1/4	996.06	1/4	635.47	1/4	274.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,709.81	1/2	1,349.17	1/2	988.55	1/2	627.96	1/2	267.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,702.30	3/4	1,341.65	3/4	981.04	3/4	620.45	3/4	259.83	3/4		3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

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PRECISION MEASUREMENT
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P.O. Box 2092
Pearland, Texas 77588
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BARGE "NGL 3003"

3 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	4,454.68	0	4,275.28	0	4,082.48	0	3,889.10	0	3,695.69	0	3,488.39	0	3,127.87	0	2,767.29	0	2,406.63	
1/4	1/4	4,452.88	1/4	4,271.28	1/4	4,078.45	1/4	3,885.07	1/4	3,691.66	1/4	3,480.88	1/4	3,120.35	1/4	2,759.78	1/4	2,399.12	
1/2	1/2	4,450.41	1/2	4,267.28	1/2	4,074.42	1/2	3,881.04	1/2	3,687.64	1/2	3,473.37	1/2	3,112.84	1/2	2,752.26	1/2	2,391.60	
3/4	3/4	4,447.95	3/4	4,263.28	3/4	4,070.39	3/4	3,877.01	3/4	3,683.62	3/4	3,465.85	3/4	3,105.33	3/4	2,744.75	3/4	2,384.09	
1	1	4,445.49	1	4,259.28	1	4,066.36	1	3,872.98	1	3,679.59	1	3,458.34	1	3,097.82	1	2,737.23	1	2,376.58	
1/4	1/4	4,443.02	1/4	4,255.28	1/4	4,062.33	1/4	3,868.95	1/4	3,675.57	1/4	3,450.83	1/4	3,090.31	1/4	2,729.71	1/4	2,369.07	
1/2	1/2	4,439.88	1/2	4,251.28	1/2	4,058.30	1/2	3,864.92	1/2	3,671.54	1/2	3,443.32	1/2	3,082.79	1/2	2,722.20	1/2	2,361.56	
3/4	3/4	4,436.74	3/4	4,247.28	3/4	4,054.27	3/4	3,860.89	3/4	3,667.51	3/4	3,435.81	3/4	3,075.28	3/4	2,714.69	3/4	2,354.04	
2	2	4,433.59	2	4,243.28	2	4,050.24	2	3,856.86	2	3,663.48	2	3,428.29	2	3,067.77	2	2,707.18	2	2,346.53	
1/4	1/4	4,430.45	1/4	4,239.28	1/4	4,046.21	1/4	3,852.83	1/4	3,659.45	1/4	3,420.78	1/4	3,060.26	1/4	2,699.66	1/4	2,339.02	
1/2	1/2	4,426.66	1/2	4,235.28	1/2	4,042.18	1/2	3,848.80	1/2	3,655.42	1/2	3,413.27	1/2	3,052.75	1/2	2,692.15	1/2	2,331.50	
3/4	3/4	4,422.87	3/4	4,231.28	3/4	4,038.15	3/4	3,844.77	3/4	3,651.39	3/4	3,405.76	3/4	3,045.24	3/4	2,684.64	3/4	2,323.99	
3	3	4,419.07	3	4,227.28	3	4,034.12	3	3,840.74	3	3,647.36	3	3,398.25	3	3,037.72	3	2,677.13	3	2,316.47	
1/4	1/4	4,415.28	1/4	4,223.28	1/4	4,030.09	1/4	3,836.71	1/4	3,643.33	1/4	3,390.74	1/4	3,030.21	1/4	2,669.62	1/4	2,308.95	
1/2	1/2	4,411.28	1/2	4,219.28	1/2	4,026.07	1/2	3,832.68	1/2	3,639.30	1/2	3,383.23	1/2	3,022.70	1/2	2,662.10	1/2	2,301.44	
3/4	3/4	4,407.28	3/4	4,215.28	3/4	4,022.05	3/4	3,828.65	3/4	3,635.27	3/4	3,375.72	3/4	3,015.19	3/4	2,654.59	3/4	2,293.93	
4	4	4,403.28	4	4,211.28	4	4,018.02	4	3,824.62	4	3,631.24	4	3,368.22	4	3,007.68	4	2,647.08	4	2,286.41	
1/4	1/4	4,399.28	1/4	4,207.28	1/4	4,014.00	1/4	3,820.59	1/4	3,627.21	1/4	3,360.71	1/4	3,000.16	1/4	2,639.57	1/4	2,278.90	
1/2	1/2	4,395.28	1/2	4,203.28	1/2	4,009.97	1/2	3,816.56	1/2	3,623.18	1/2	3,353.20	1/2	2,992.66	1/2	2,632.05	1/2	2,271.39	
3/4	3/4	4,391.27	3/4	4,199.27	3/4	4,005.94	3/4	3,812.53	3/4	3,619.15	3/4	3,345.69	3/4	2,985.15	3/4	2,624.53	3/4	2,263.88	
5	5	4,387.27	5	4,195.27	5	4,001.91	5	3,808.50	5	3,615.12	5	3,338.18	5	2,977.65	5	2,617.02	5	2,256.37	
1/4	1/4	4,383.26	1/4	4,191.26	1/4	3,997.88	1/4	3,804.47	1/4	3,611.09	1/4	3,330.66	1/4	2,970.14	1/4	2,609.50	1/4	2,248.85	
1/2	1/2	4,379.26	1/2	4,187.23	1/2	3,993.85	1/2	3,800.45	1/2	3,607.06	1/2	3,323.15	1/2	2,962.63	1/2	2,601.99	1/2	2,241.34	
3/4	3/4	4,375.26	3/4	4,183.20	3/4	3,989.82	3/4	3,796.43	3/4	3,603.03	3/4	3,315.64	3/4	2,955.12	3/4	2,594.47	3/4	2,233.83	
6	6	4,371.26	6	4,179.17	6	3,985.79	6	3,792.40	6	3,599.00	6	3,308.13	6	2,947.60	6	2,586.96	6	2,226.32	
1/4	1/4	4,367.26	1/4	4,175.14	1/4	3,981.76	1/4	3,788.38	1/4	3,594.97	1/4	3,300.62	1/4	2,940.09	1/4	2,579.45	1/4	2,218.81	
1/2	1/2	4,363.26	1/2	4,171.11	1/2	3,977.73	1/2	3,784.35	1/2	3,590.94	1/2	3,293.10	1/2	2,932.58	1/2	2,571.94	1/2	2,211.29	
3/4	3/4	4,359.26	3/4	4,167.08	3/4	3,973.70	3/4	3,780.32	3/4	3,586.91	3/4	3,285.59	3/4	2,925.07	3/4	2,564.43	3/4	2,203.77	
7	7	4,355.26	7	4,163.05	7	3,969.67	7	3,776.29	7	3,582.88	7	3,278.08	7	2,917.56	7	2,556.91	7	2,196.25	
1/4	1/4	4,351.26	1/4	4,159.02	1/4	3,965.64	1/4	3,772.26	1/4	3,578.85	1/4	3,270.57	1/4	2,910.04	1/4	2,549.40	1/4	2,188.74	
1/2	1/2	4,347.26	1/2	4,154.99	1/2	3,961.61	1/2	3,768.23	1/2	3,574.83	1/2	3,263.06	1/2	2,902.53	1/2	2,541.88	1/2	2,181.22	
3/4	3/4	4,343.26	3/4	4,150.96	3/4	3,957.58	3/4	3,764.20	3/4	3,570.81	3/4	3,255.54	3/4	2,895.02	3/4	2,534.37	3/4	2,173.71	
8	8	4,339.26	8	4,146.93	8	3,953.55	8	3,760.17	8	3,566.78	8	3,248.03	8	2,887.51	8	2,526.85	8	2,166.20	
1/4	1/4	4,335.26	1/4	4,142.90	1/4	3,949.52	1/4	3,756.14	1/4	3,562.76	1/4	3,240.52	1/4	2,880.00	1/4	2,519.33	1/4	2,158.69	
1/2	1/2	4,331.26	1/2	4,138.88	1/2	3,945.49	1/2	3,752.11	1/2	3,558.73	1/2	3,233.01	1/2	2,872.49	1/2	2,511.82	1/2	2,151.18	
3/4	3/4	4,327.26	3/4	4,134.85	3/4	3,941.46	3/4	3,748.08	3/4	3,554.70	3/4	3,225.50	3/4	2,864.97	3/4	2,504.31	3/4	2,143.66	
9	4,466.64	9	4,323.26	9	4,130.83	9	3,937.43	9	3,744.05	9	3,550.67	9	3,217.99	9	2,857.46	9	2,496.79	9	2,136.15
1/4	4,466.57	1/4	4,319.26	1/4	4,126.81	1/4	3,933.40	1/4	3,740.02	1/4	3,546.64	1/4	3,210.47	1/4	2,849.95	1/4	2,489.28	1/4	2,128.64
1/2	4,466.09	1/2	4,315.27	1/2	4,122.78	1/2	3,929.37	1/2	3,735.99	1/2	3,542.61	1/2	3,202.96	1/2	2,842.43	1/2	2,481.77	1/2	2,121.12
3/4	4,465.62	3/4	4,311.27	3/4	4,118.75	3/4	3,925.34	3/4	3,731.96	3/4	3,538.58	3/4	3,195.45	3/4	2,834.91	3/4	2,474.26	3/4	2,113.60
10	4,465.14	10	4,307.28	10	4,114.72	10	3,921.31	10	3,727.93	10	3,534.55	10	3,187.94	10	2,827.40	10	2,466.75	10	2,106.09
1/4	4,464.66	1/4	4,303.28	1/4	4,110.69	1/4	3,917.28	1/4	3,723.90	1/4	3,530.52	1/4	3,180.43	1/4	2,819.88	1/4	2,459.24	1/4	2,098.57
1/2	4,463.52	1/2	4,299.28	1/2	4,106.66	1/2	3,913.26	1/2	3,719.87	1/2	3,525.62	1/2	3,172.92	1/2	2,812.37	1/2	2,451.72	1/2	2,091.06
3/4	4,462.37	3/4	4,295.28	3/4	4,102.63	3/4	3,909.24	3/4	3,715.84	3/4	3,520.72	3/4	3,165.41	3/4	2,804.85	3/4	2,444.21	3/4	2,083.54
11	4,461.22	11	4,291.28	11	4,098.60	11	3,905.21	11	3,711.81	11	3,515.82	11	3,157.91	11	2,797.34	11	2,436.70	11	2,076.03
1/4	4,460.07	1/4	4,287.28	1/4	4,094.57	1/4	3,901.19	1/4	3,707.78	1/4	3,510.93	1/4	3,150.40	1/4	2,789.83	1/4	2,429.19	1/4	2,068.52
1/2	4,458.27	1/2	4,283.28	1/2	4,090.54	1/2	3,897.16	1/2	3,703.75	1/2	3,503.41	1/2	3,142.89	1/2	2,782.32	1/2	2,421.67	1/2	2,061.01
3/4	4,456.47	3/4	4,279.28	3/4	4,086.51	3/4	3,893.13	3/4	3,699.72	3/4	3,495.90	3/4	3,135.38	3/4	2,774.81	3/4	2,414.15	3/4	2,053.50

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-10" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "NGL 3003"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,045.99	0	1,685.32	0	1,324.79	0	965.16	0	605.39	0	244.75	0		0		0		0	
1/4	2,038.47	1/4	1,677.81	1/4	1,317.28	1/4	957.69	1/4	597.88	1/4	237.24	1/4		1/4		1/4		1/4	
1/2	2,030.96	1/2	1,670.29	1/2	1,309.78	1/2	950.21	1/2	590.37	1/2	229.72	1/2		1/2		1/2		1/2	
3/4	2,023.45	3/4	1,662.78	3/4	1,302.27	3/4	942.74	3/4	582.85	3/4	222.21	3/4		3/4		3/4		3/4	
1	2,015.94	1	1,655.27	1	1,294.76	1	935.26	1	575.34	1	214.70	1		1		1		1	
1/4	2,008.43	1/4	1,647.76	1/4	1,287.26	1/4	927.78	1/4	567.83	1/4	207.19	1/4		1/4		1/4		1/4	
1/2	2,000.91	1/2	1,640.25	1/2	1,279.75	1/2	920.30	1/2	560.32	1/2	199.68	1/2		1/2		1/2		1/2	
3/4	1,993.39	3/4	1,632.74	3/4	1,272.25	3/4	912.82	3/4	552.81	3/4	192.16	3/4		3/4		3/4		3/4	
2	1,985.87	2	1,625.22	2	1,264.74	2	905.34	2	545.29	2	184.65	2		2		2		2	
1/4	1,978.35	1/4	1,617.71	1/4	1,257.24	1/4	897.85	1/4	537.78	1/4	177.14	1/4		1/4		1/4		1/4	
1/2	1,970.84	1/2	1,610.19	1/2	1,249.73	1/2	890.38	1/2	530.26	1/2	169.62	1/2		1/2		1/2		1/2	
3/4	1,963.33	3/4	1,602.68	3/4	1,242.22	3/4	882.90	3/4	522.75	3/4	162.10	3/4		3/4		3/4		3/4	
3	1,955.82	3	1,595.16	3	1,234.72	3	875.43	3	515.23	3	154.59	3		3		3		3	
1/4	1,948.31	1/4	1,587.64	1/4	1,227.21	1/4	867.95	1/4	507.71	1/4	147.07	1/4		1/4		1/4		1/4	
1/2	1,940.79	1/2	1,580.13	1/2	1,219.70	1/2	860.47	1/2	500.20	1/2	139.42	1/2		1/2		1/2		1/2	
3/4	1,933.28	3/4	1,572.62	3/4	1,212.19	3/4	853.00	3/4	492.69	3/4	131.77	3/4		3/4		3/4		3/4	
4	1,925.77	4	1,565.10	4	1,204.68	4	845.52	4	485.18	4	124.12	4		4		4		4	
1/4	1,918.26	1/4	1,557.59	1/4	1,197.16	1/4	838.04	1/4	477.66	1/4	116.47	1/4		1/4		1/4		1/4	
1/2	1,910.74	1/2	1,550.08	1/2	1,189.66	1/2	830.57	1/2	470.15	1/2	108.57	1/2		1/2		1/2		1/2	
3/4	1,903.22	3/4	1,542.57	3/4	1,182.15	3/4	823.09	3/4	462.64	3/4	100.66	3/4		3/4		3/4		3/4	
5	1,895.71	5	1,535.06	5	1,174.65	5	815.62	5	455.13	5	92.76	5		5		5		5	
1/4	1,888.19	1/4	1,527.54	1/4	1,167.14	1/4	808.14	1/4	447.62	1/4	84.85	1/4		1/4		1/4		1/4	
1/2	1,880.68	1/2	1,520.03	1/2	1,159.64	1/2	800.65	1/2	440.10	1/2	78.21	1/2		1/2		1/2		1/2	
3/4	1,873.16	3/4	1,512.52	3/4	1,152.14	3/4	793.16	3/4	432.59	3/4	71.56	3/4		3/4		3/4		3/4	
6	1,865.65	6	1,505.01	6	1,144.64	6	785.68	6	425.08	6	64.91	6		6		6		6	
1/4	1,858.14	1/4	1,497.50	1/4	1,137.14	1/4	778.19	1/4	417.57	1/4	58.26	1/4		1/4		1/4		1/4	
1/2	1,850.63	1/2	1,489.98	1/2	1,129.66	1/2	770.68	1/2	410.05	1/2	52.86	1/2		1/2		1/2		1/2	
3/4	1,843.12	3/4	1,482.46	3/4	1,122.18	3/4	763.16	3/4	402.53	3/4	47.46	3/4		3/4		3/4		3/4	
7	1,835.60	7	1,474.94	7	1,114.69	7	755.65	7	395.02	7	42.06	7		7		7		7	
1/4	1,828.09	1/4	1,467.43	1/4	1,107.21	1/4	748.14	1/4	387.50	1/4	36.66	1/4		1/4		1/4		1/4	
1/2	1,820.57	1/2	1,459.92	1/2	1,099.74	1/2	740.63	1/2	379.99	1/2	32.52	1/2		1/2		1/2		1/2	
3/4	1,813.06	3/4	1,452.41	3/4	1,092.26	3/4	733.12	3/4	372.47	3/4	28.38	3/4		3/4		3/4		3/4	
8	1,805.54	8	1,444.91	8	1,084.78	8	725.60	8	364.96	8	24.24	8		8		8		8	
1/4	1,798.02	1/4	1,437.40	1/4	1,077.31	1/4	718.09	1/4	357.45	1/4	20.10	1/4		1/4		1/4		1/4	
1/2	1,790.51	1/2	1,429.90	1/2	1,069.83	1/2	710.58	1/2	349.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,783.00	3/4	1,422.39	3/4	1,062.35	3/4	703.07	3/4	342.43	3/4		3/4		3/4		3/4		3/4	
9	1,775.49	9	1,414.88	9	1,054.88	9	695.56	9	334.91	9		9		9		9		9	
1/4	1,767.97	1/4	1,407.38	1/4	1,047.40	1/4	688.04	1/4	327.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,760.46	1/2	1,399.87	1/2	1,039.93	1/2	680.53	1/2	319.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,752.95	3/4	1,392.37	3/4	1,032.45	3/4	673.02	3/4	312.38	3/4		3/4		3/4		3/4		3/4	
10	1,745.44	10	1,384.86	10	1,024.97	10	665.51	10	304.87	10		10		10		10		10	
1/4	1,737.93	1/4	1,377.35	1/4	1,017.50	1/4	658.00	1/4	297.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,730.41	1/2	1,369.84	1/2	1,010.02	1/2	650.48	1/2	289.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,722.90	3/4	1,362.33	3/4	1,002.54	3/4	642.96	3/4	282.32	3/4		3/4		3/4		3/4		3/4	
11	1,715.39	11	1,354.82	11	995.07	11	635.44	11	274.80	11		11		11		11		11	
1/4	1,707.88	1/4	1,347.31	1/4	987.59	1/4	627.93	1/4	267.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,700.36	1/2	1,339.80	1/2	980.12	1/2	620.41	1/2	259.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,692.84	3/4	1,332.29	3/4	972.64	3/4	612.90	3/4	252.26	3/4		3/4		3/4		3/4		3/4	

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