



BARGE "NGL 3004"

INNAGE (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	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
1 STBD	- 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
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
3 PORT	- 00-1/8	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	- 00-1/2	00-1/2
3 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	- 00-1/2	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 1 PORT IS 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 240'-00"

May 11, 2016

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

<http://www.pmacorp.net>



BARGE "NGL 3004"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.96	0	347.03	0	709.03	0	1,075.22	0	1,441.41	0	1,807.60	0	2,173.79	0	2,539.99	0	2,906.18	0	3,272.37
1/4	27.13	1/4	354.35	1/4	716.66	1/4	1,082.85	1/4	1,449.04	1/4	1,815.23	1/4	2,181.42	1/4	2,547.62	1/4	2,913.81	1/4	3,280.00
1/2	32.31	1/2	361.67	1/2	724.29	1/2	1,090.48	1/2	1,456.67	1/2	1,822.86	1/2	2,189.05	1/2	2,555.25	1/2	2,921.44	1/2	3,287.63
3/4	37.48	3/4	368.99	3/4	731.91	3/4	1,098.10	3/4	1,464.30	3/4	1,830.49	3/4	2,196.68	3/4	2,562.87	3/4	2,929.06	3/4	3,295.26
1	42.65	1	376.31	1	739.54	1	1,105.73	1	1,471.93	1	1,838.12	1	2,204.31	1	2,570.50	1	2,936.69	1	3,302.89
1/4	49.15	1/4	383.66	1/4	747.17	1/4	1,113.36	1/4	1,479.56	1/4	1,845.75	1/4	2,211.94	1/4	2,578.13	1/4	2,944.32	1/4	3,310.52
1/2	55.64	1/2	391.01	1/2	754.80	1/2	1,120.99	1/2	1,487.19	1/2	1,853.38	1/2	2,219.57	1/2	2,585.76	1/2	2,951.95	1/2	3,318.15
3/4	62.14	3/4	398.35	3/4	762.43	3/4	1,128.62	3/4	1,494.81	3/4	1,861.00	3/4	2,227.20	3/4	2,593.39	3/4	2,959.58	3/4	3,325.77
2	68.63	2	405.70	2	770.06	2	1,136.25	2	1,502.44	2	1,868.63	2	2,234.83	2	2,601.02	2	2,967.21	2	3,333.40
1/4	75.33	1/4	413.14	1/4	777.69	1/4	1,143.88	1/4	1,510.07	1/4	1,876.26	1/4	2,242.46	1/4	2,608.65	1/4	2,974.84	1/4	3,341.03
1/2	82.02	1/2	420.58	1/2	785.32	1/2	1,151.51	1/2	1,517.70	1/2	1,883.89	1/2	2,250.09	1/2	2,616.28	1/2	2,982.47	1/2	3,348.66
3/4	88.72	3/4	428.02	3/4	792.94	3/4	1,159.14	3/4	1,525.33	3/4	1,891.52	3/4	2,257.71	3/4	2,623.90	3/4	2,990.10	3/4	3,356.29
3	95.41	3	435.46	3	800.57	3	1,166.77	3	1,532.96	3	1,899.15	3	2,265.34	3	2,631.53	3	2,997.73	3	3,363.92
1/4	102.14	1/4	442.93	1/4	808.20	1/4	1,174.40	1/4	1,540.59	1/4	1,906.78	1/4	2,272.97	1/4	2,639.16	1/4	3,005.36	1/4	3,371.55
1/2	108.87	1/2	450.41	1/2	815.83	1/2	1,182.03	1/2	1,548.22	1/2	1,914.41	1/2	2,280.60	1/2	2,646.79	1/2	3,012.99	1/2	3,379.18
3/4	115.59	3/4	457.88	3/4	823.46	3/4	1,189.65	3/4	1,555.84	3/4	1,922.04	3/4	2,288.23	3/4	2,654.42	3/4	3,020.61	3/4	3,386.80
4	122.32	4	465.35	4	831.09	4	1,197.28	4	1,563.47	4	1,929.67	4	2,295.86	4	2,662.05	4	3,028.24	4	3,394.43
1/4	129.14	1/4	472.92	1/4	838.72	1/4	1,204.91	1/4	1,571.10	1/4	1,937.30	1/4	2,303.49	1/4	2,669.68	1/4	3,035.87	1/4	3,402.06
1/2	135.96	1/2	480.48	1/2	846.35	1/2	1,212.54	1/2	1,578.73	1/2	1,944.93	1/2	2,311.12	1/2	2,677.31	1/2	3,043.50	1/2	3,409.69
3/4	142.78	3/4	488.05	3/4	853.98	3/4	1,220.17	3/4	1,586.36	3/4	1,952.55	3/4	2,318.74	3/4	2,684.94	3/4	3,051.13	3/4	3,417.32
5	149.60	5	495.61	5	861.61	5	1,227.80	5	1,593.99	5	1,960.18	5	2,326.37	5	2,692.57	5	3,058.76	5	3,424.95
1/4	156.45	1/4	503.19	1/4	869.24	1/4	1,235.43	1/4	1,601.62	1/4	1,967.81	1/4	2,334.00	1/4	2,700.20	1/4	3,066.39	1/4	3,432.58
1/2	163.31	1/2	510.77	1/2	876.87	1/2	1,243.06	1/2	1,609.25	1/2	1,975.44	1/2	2,341.63	1/2	2,707.83	1/2	3,074.02	1/2	3,440.21
3/4	170.16	3/4	518.35	3/4	884.49	3/4	1,250.68	3/4	1,616.88	3/4	1,983.07	3/4	2,349.26	3/4	2,715.45	3/4	3,081.64	3/4	3,447.84
6	177.01	6	525.93	6	892.12	6	1,258.31	6	1,624.51	6	1,990.70	6	2,356.89	6	2,723.08	6	3,089.27	6	3,455.47
1/4	183.96	1/4	533.56	1/4	899.75	1/4	1,265.94	1/4	1,632.14	1/4	1,998.33	1/4	2,364.52	1/4	2,730.71	1/4	3,096.90	1/4	3,463.10
1/2	190.90	1/2	541.19	1/2	907.38	1/2	1,273.57	1/2	1,639.77	1/2	2,005.96	1/2	2,372.15	1/2	2,738.34	1/2	3,104.53	1/2	3,470.73
3/4	197.85	3/4	548.82	3/4	915.01	3/4	1,281.20	3/4	1,647.39	3/4	2,013.58	3/4	2,379.78	3/4	2,745.97	3/4	3,112.16	3/4	3,478.35
7	204.79	7	556.45	7	922.64	7	1,288.83	7	1,655.02	7	2,021.21	7	2,387.41	7	2,753.60	7	3,119.79	7	3,485.98
1/4	211.77	1/4	564.08	1/4	930.27	1/4	1,296.46	1/4	1,662.65	1/4	2,028.84	1/4	2,395.04	1/4	2,761.23	1/4	3,127.42	1/4	3,493.61
1/2	218.74	1/2	571.71	1/2	937.90	1/2	1,304.09	1/2	1,670.28	1/2	2,036.47	1/2	2,402.67	1/2	2,768.86	1/2	3,135.05	1/2	3,501.24
3/4	225.72	3/4	579.33	3/4	945.52	3/4	1,311.72	3/4	1,677.91	3/4	2,044.10	3/4	2,410.29	3/4	2,776.48	3/4	3,142.68	3/4	3,508.87
8	232.69	8	586.96	8	953.15	8	1,319.35	8	1,685.54	8	2,051.73	8	2,417.92	8	2,784.11	8	3,150.31	8	3,516.50
1/4	239.76	1/4	594.59	1/4	960.78	1/4	1,326.98	1/4	1,693.17	1/4	2,059.36	1/4	2,425.55	1/4	2,791.74	1/4	3,157.94	1/4	3,524.13
1/2	246.83	1/2	602.22	1/2	968.41	1/2	1,334.61	1/2	1,700.80	1/2	2,066.99	1/2	2,433.18	1/2	2,799.37	1/2	3,165.57	1/2	3,531.76
3/4	253.90	3/4	609.85	3/4	976.04	3/4	1,342.23	3/4	1,708.42	3/4	2,074.62	3/4	2,440.81	3/4	2,807.00	3/4	3,173.19	3/4	3,539.38
9	260.97	9	617.48	9	983.67	9	1,349.86	9	1,716.05	9	2,082.25	9	2,448.44	9	2,814.63	9	3,180.82	9	3,547.01
1/4	268.07	1/4	625.11	1/4	991.30	1/4	1,357.49	1/4	1,723.68	1/4	2,089.88	1/4	2,456.07	1/4	2,822.26	1/4	3,188.45	1/4	3,554.64
1/2	275.17	1/2	632.74	1/2	998.93	1/2	1,365.12	1/2	1,731.31	1/2	2,097.51	1/2	2,463.70	1/2	2,829.89	1/2	3,196.08	1/2	3,562.27
3/4	282.27	3/4	640.36	3/4	1,006.56	3/4	1,372.75	3/4	1,738.94	3/4	2,105.13	3/4	2,471.32	3/4	2,837.52	3/4	3,203.71	3/4	3,569.90
10	289.37	10	647.99	10	1,014.19	10	1,380.38	10	1,746.57	10	2,112.76	10	2,478.95	10	2,845.15	10	3,211.34	10	3,577.53
1/4	296.56	1/4	655.62	1/4	1,021.82	1/4	1,388.01	1/4	1,754.20	1/4	2,120.39	1/4	2,486.58	1/4	2,852.78	1/4	3,218.97	1/4	3,585.16
1/2	303.76	1/2	663.25	1/2	1,029.45	1/2	1,395.64	1/2	1,761.83	1/2	2,128.02	1/2	2,494.21	1/2	2,860.41	1/2	3,226.60	1/2	3,592.79
3/4	310.95	3/4	670.88	3/4	1,037.07	3/4	1,403.26	3/4	1,769.46	3/4	2,135.65	3/4	2,501.84	3/4	2,868.03	3/4	3,234.22	3/4	3,600.42
11	318.14	11	678.51	11	1,044.70	11	1,410.89	11	1,777.09	11	2,143.28	11	2,509.47	11	2,875.66	11	3,241.85	11	3,608.05
1/4	325.36	1/4	686.14	1/4	1,052.33	1/4	1,418.52	1/4	1,784.72	1/4	2,150.91	1/4	2,517.10	1/4	2,883.29	1/4	3,249.48	1/4	3,615.68
1/2	332.59	1/2	693.77	1/2	1,059.96	1/2	1,426.15	1/2	1,792.35	1/2	2,158.54	1/2	2,524.73	1/2	2,890.92	1/2	3,257.11	1/2	3,623.31
3/4	339.81	3/4	701.40	3/4	1,067.59	3/4	1,433.78	3/4	1,799.97	3/4	2,166.16	3/4	2,532.36	3/4	2,898.55	3/4	3,264.74	3/4	3,630.93

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10-09" OFF CENTERLINE AND 45-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "NGL 3004"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,638.56	0	4,004.75	0	4,370.95	0	4,737.14	0	5,102.76	0		0		0		0		0	
1/4	3,646.19	1/4	4,012.38	1/4	4,378.58	1/4	4,744.77	1/4	5,109.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,653.82	1/2	4,020.01	1/2	4,386.21	1/2	4,752.40	1/2	5,116.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,661.45	3/4	4,027.64	3/4	4,393.83	3/4	4,760.02	3/4	5,123.11	3/4		3/4		3/4		3/4		3/4	
1	3,669.08	1	4,035.27	1	4,401.46	1	4,767.65	1	5,129.89	1		1		1		1		1	
1/4	3,676.71	1/4	4,042.90	1/4	4,409.09	1/4	4,775.28	1/4	5,135.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,684.34	1/2	4,050.53	1/2	4,416.72	1/2	4,782.91	1/2	5,141.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,691.96	3/4	4,058.16	3/4	4,424.35	3/4	4,790.54	3/4	5,146.84	3/4		3/4		3/4		3/4		3/4	
2	3,699.59	2	4,065.79	2	4,431.98	2	4,798.17	2	5,152.49	2		2		2		2		2	
1/4	3,707.22	1/4	4,073.42	1/4	4,439.61	1/4	4,805.80	1/4	5,157.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,714.85	1/2	4,081.05	1/2	4,447.24	1/2	4,813.43	1/2	5,161.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,722.48	3/4	4,088.67	3/4	4,454.86	3/4	4,821.06	3/4	5,166.05	3/4		3/4		3/4		3/4		3/4	
3	3,730.11	3	4,096.30	3	4,462.49	3	4,828.69	3	5,170.57	3		3		3		3		3	
1/4	3,737.74	1/4	4,103.93	1/4	4,470.12	1/4	4,836.32	1/4	5,173.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,745.37	1/2	4,111.56	1/2	4,477.75	1/2	4,843.95	1/2	5,177.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,753.00	3/4	4,119.19	3/4	4,485.38	3/4	4,851.57	3/4	5,180.73	3/4		3/4		3/4		3/4		3/4	
4	3,760.63	4	4,126.82	4	4,493.01	4	4,859.20	4	5,184.12	4		4		4		4		4	
1/4	3,768.26	1/4	4,134.45	1/4	4,500.64	1/4	4,866.83	1/4	5,186.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,775.89	1/2	4,142.08	1/2	4,508.27	1/2	4,874.46	1/2	5,188.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,783.51	3/4	4,149.70	3/4	4,515.90	3/4	4,882.09	3/4	5,190.89	3/4		3/4		3/4		3/4		3/4	
5	3,791.14	5	4,157.33	5	4,523.53	5	4,889.72	5	5,193.15	5		5		5		5		5	
1/4	3,798.77	1/4	4,164.96	1/4	4,531.16	1/4	4,897.35	1/4	5,194.31	1/4		1/4		1/4		1/4		1/4	
1/2	3,806.40	1/2	4,172.59	1/2	4,538.79	1/2	4,904.98	1/2	5,195.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,814.03	3/4	4,180.22	3/4	4,546.41	3/4	4,912.60	3/4	5,196.64	3/4		3/4		3/4		3/4		3/4	
6	3,821.66	6	4,187.85	6	4,554.04	6	4,920.23	6	5,197.80	6		6		6		6		6	
1/4	3,829.29	1/4	4,195.48	1/4	4,561.67	1/4	4,927.86	1/4	5,198.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,836.92	1/2	4,203.11	1/2	4,569.30	1/2	4,935.49	1/2	5,198.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,844.54	3/4	4,210.74	3/4	4,576.93	3/4	4,943.12	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,852.17	7	4,218.37	7	4,584.56	7	4,950.75	7		7		7		7		7		7	
1/4	3,859.80	1/4	4,226.00	1/4	4,592.19	1/4	4,958.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,867.43	1/2	4,233.63	1/2	4,599.82	1/2	4,966.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,875.06	3/4	4,241.25	3/4	4,607.44	3/4	4,973.64	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,882.69	8	4,248.88	8	4,615.07	8	4,981.27	8		8		8		8		8		8	
1/4	3,890.32	1/4	4,256.51	1/4	4,622.70	1/4	4,988.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,897.95	1/2	4,264.14	1/2	4,630.33	1/2	4,996.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,905.58	3/4	4,271.77	3/4	4,637.96	3/4	5,004.15	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,913.21	9	4,279.40	9	4,645.59	9	5,011.78	9		9		9		9		9		9	
1/4	3,920.84	1/4	4,287.03	1/4	4,653.22	1/4	5,019.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,928.47	1/2	4,294.66	1/2	4,660.85	1/2	5,027.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,936.09	3/4	4,302.28	3/4	4,668.48	3/4	5,034.67	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,943.72	10	4,309.91	10	4,676.11	10	5,042.30	10		10		10		10		10		10	
1/4	3,951.35	1/4	4,317.54	1/4	4,683.74	1/4	5,049.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,958.98	1/2	4,325.17	1/2	4,691.37	1/2	5,057.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,966.61	3/4	4,332.80	3/4	4,698.99	3/4	5,065.18	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,974.24	11	4,340.43	11	4,706.62	11	5,072.81	11		11		11		11		11		11	
1/4	3,981.87	1/4	4,348.06	1/4	4,714.25	1/4	5,080.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,989.50	1/2	4,355.69	1/2	4,721.88	1/2	5,087.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,997.12	3/4	4,363.32	3/4	4,729.51	3/4	5,095.27	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 06/18/1998
DECK MEASUREMENTS: 05/11/2016 SW
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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 3004"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.96	0	347.03	0	709.03	0	1,075.22	0	1,441.41	0	1,807.60	0	2,173.79	0	2,539.99	0	2,906.18	0	3,272.37
1/4	27.13	1/4	354.35	1/4	716.66	1/4	1,082.85	1/4	1,449.04	1/4	1,815.23	1/4	2,181.42	1/4	2,547.62	1/4	2,913.81	1/4	3,280.00
1/2	32.31	1/2	361.67	1/2	724.29	1/2	1,090.48	1/2	1,456.67	1/2	1,822.86	1/2	2,189.05	1/2	2,555.25	1/2	2,921.44	1/2	3,287.63
3/4	37.48	3/4	368.99	3/4	731.91	3/4	1,098.10	3/4	1,464.30	3/4	1,830.49	3/4	2,196.68	3/4	2,562.87	3/4	2,929.06	3/4	3,295.26
1	42.65	1	376.31	1	739.54	1	1,105.73	1	1,471.93	1	1,838.12	1	2,204.31	1	2,570.50	1	2,936.69	1	3,302.89
1/4	49.15	1/4	383.66	1/4	747.17	1/4	1,113.36	1/4	1,479.56	1/4	1,845.75	1/4	2,211.94	1/4	2,578.13	1/4	2,944.32	1/4	3,310.52
1/2	55.64	1/2	391.01	1/2	754.80	1/2	1,120.99	1/2	1,487.19	1/2	1,853.38	1/2	2,219.57	1/2	2,585.76	1/2	2,951.95	1/2	3,318.15
3/4	62.14	3/4	398.35	3/4	762.43	3/4	1,128.62	3/4	1,494.81	3/4	1,861.00	3/4	2,227.20	3/4	2,593.39	3/4	2,959.58	3/4	3,325.77
2	68.63	2	405.70	2	770.06	2	1,136.25	2	1,502.44	2	1,868.63	2	2,234.83	2	2,601.02	2	2,967.21	2	3,333.40
1/4	75.33	1/4	413.14	1/4	777.69	1/4	1,143.88	1/4	1,510.07	1/4	1,876.26	1/4	2,242.46	1/4	2,608.65	1/4	2,974.84	1/4	3,341.03
1/2	82.02	1/2	420.58	1/2	785.32	1/2	1,151.51	1/2	1,517.70	1/2	1,883.89	1/2	2,250.09	1/2	2,616.28	1/2	2,982.47	1/2	3,348.66
3/4	88.72	3/4	428.02	3/4	792.94	3/4	1,159.14	3/4	1,525.33	3/4	1,891.52	3/4	2,257.71	3/4	2,623.90	3/4	2,990.10	3/4	3,356.29
3	95.41	3	435.46	3	800.57	3	1,166.77	3	1,532.96	3	1,899.15	3	2,265.34	3	2,631.53	3	2,997.73	3	3,363.92
1/4	102.14	1/4	442.93	1/4	808.20	1/4	1,174.40	1/4	1,540.59	1/4	1,906.78	1/4	2,272.97	1/4	2,639.16	1/4	3,005.36	1/4	3,371.55
1/2	108.87	1/2	450.41	1/2	815.83	1/2	1,182.03	1/2	1,548.22	1/2	1,914.41	1/2	2,280.60	1/2	2,646.79	1/2	3,012.99	1/2	3,379.18
3/4	115.59	3/4	457.88	3/4	823.46	3/4	1,189.65	3/4	1,555.84	3/4	1,922.04	3/4	2,288.23	3/4	2,654.42	3/4	3,020.61	3/4	3,386.80
4	122.32	4	465.35	4	831.09	4	1,197.28	4	1,563.47	4	1,929.67	4	2,295.86	4	2,662.05	4	3,028.24	4	3,394.43
1/4	129.14	1/4	472.92	1/4	838.72	1/4	1,204.91	1/4	1,571.10	1/4	1,937.30	1/4	2,303.49	1/4	2,669.68	1/4	3,035.87	1/4	3,402.06
1/2	135.96	1/2	480.48	1/2	846.35	1/2	1,212.54	1/2	1,578.73	1/2	1,944.93	1/2	2,311.12	1/2	2,677.31	1/2	3,043.50	1/2	3,409.69
3/4	142.78	3/4	488.05	3/4	853.98	3/4	1,220.17	3/4	1,586.36	3/4	1,952.55	3/4	2,318.74	3/4	2,684.94	3/4	3,051.13	3/4	3,417.32
5	149.60	5	495.61	5	861.61	5	1,227.80	5	1,593.99	5	1,960.18	5	2,326.37	5	2,692.57	5	3,058.76	5	3,424.95
1/4	156.45	1/4	503.19	1/4	869.24	1/4	1,235.43	1/4	1,601.62	1/4	1,967.81	1/4	2,334.00	1/4	2,700.20	1/4	3,066.39	1/4	3,432.58
1/2	163.31	1/2	510.77	1/2	876.87	1/2	1,243.06	1/2	1,609.25	1/2	1,975.44	1/2	2,341.63	1/2	2,707.83	1/2	3,074.02	1/2	3,440.21
3/4	170.16	3/4	518.35	3/4	884.49	3/4	1,250.68	3/4	1,616.88	3/4	1,983.07	3/4	2,349.26	3/4	2,715.45	3/4	3,081.64	3/4	3,447.84
6	177.01	6	525.93	6	892.12	6	1,258.31	6	1,624.51	6	1,990.70	6	2,356.89	6	2,723.08	6	3,089.27	6	3,455.47
1/4	183.96	1/4	533.56	1/4	899.75	1/4	1,265.94	1/4	1,632.14	1/4	1,998.33	1/4	2,364.52	1/4	2,730.71	1/4	3,096.90	1/4	3,463.10
1/2	190.90	1/2	541.19	1/2	907.38	1/2	1,273.57	1/2	1,639.77	1/2	2,005.96	1/2	2,372.15	1/2	2,738.34	1/2	3,104.53	1/2	3,470.73
3/4	197.85	3/4	548.82	3/4	915.01	3/4	1,281.20	3/4	1,647.39	3/4	2,013.58	3/4	2,379.78	3/4	2,745.97	3/4	3,112.16	3/4	3,478.35
7	204.79	7	556.45	7	922.64	7	1,288.83	7	1,655.02	7	2,021.21	7	2,387.41	7	2,753.60	7	3,119.79	7	3,485.98
1/4	211.77	1/4	564.08	1/4	930.27	1/4	1,296.46	1/4	1,662.65	1/4	2,028.84	1/4	2,395.04	1/4	2,761.23	1/4	3,127.42	1/4	3,493.61
1/2	218.74	1/2	571.71	1/2	937.90	1/2	1,304.09	1/2	1,670.28	1/2	2,036.47	1/2	2,402.67	1/2	2,768.86	1/2	3,135.05	1/2	3,501.24
3/4	225.72	3/4	579.33	3/4	945.52	3/4	1,311.72	3/4	1,677.91	3/4	2,044.10	3/4	2,410.29	3/4	2,776.48	3/4	3,142.68	3/4	3,508.87
8	232.69	8	586.96	8	953.15	8	1,319.35	8	1,685.54	8	2,051.73	8	2,417.92	8	2,784.11	8	3,150.31	8	3,516.50
1/4	239.76	1/4	594.59	1/4	960.78	1/4	1,326.98	1/4	1,693.17	1/4	2,059.36	1/4	2,425.55	1/4	2,791.74	1/4	3,157.94	1/4	3,524.13
1/2	246.83	1/2	602.22	1/2	968.41	1/2	1,334.61	1/2	1,700.80	1/2	2,066.99	1/2	2,433.18	1/2	2,799.37	1/2	3,165.57	1/2	3,531.76
3/4	253.90	3/4	609.85	3/4	976.04	3/4	1,342.23	3/4	1,708.42	3/4	2,074.62	3/4	2,440.81	3/4	2,807.00	3/4	3,173.19	3/4	3,539.38
9	260.97	9	617.48	9	983.67	9	1,349.86	9	1,716.05	9	2,082.25	9	2,448.44	9	2,814.63	9	3,180.82	9	3,547.01
1/4	268.07	1/4	625.11	1/4	991.30	1/4	1,357.49	1/4	1,723.68	1/4	2,089.88	1/4	2,456.07	1/4	2,822.26	1/4	3,188.45	1/4	3,554.64
1/2	275.17	1/2	632.74	1/2	998.93	1/2	1,365.12	1/2	1,731.31	1/2	2,097.51	1/2	2,463.70	1/2	2,829.89	1/2	3,196.08	1/2	3,562.27
3/4	282.27	3/4	640.36	3/4	1,006.56	3/4	1,372.75	3/4	1,738.94	3/4	2,105.13	3/4	2,471.32	3/4	2,837.52	3/4	3,203.71	3/4	3,569.90
10	289.37	10	647.99	10	1,014.19	10	1,380.38	10	1,746.57	10	2,112.76	10	2,478.95	10	2,845.15	10	3,211.34	10	3,577.53
1/4	296.56	1/4	655.62	1/4	1,021.82	1/4	1,388.01	1/4	1,754.20	1/4	2,120.39	1/4	2,486.58	1/4	2,852.78	1/4	3,218.97	1/4	3,585.16
1/2	303.76	1/2	663.25	1/2	1,029.45	1/2	1,395.64	1/2	1,761.83	1/2	2,128.02	1/2	2,494.21	1/2	2,860.41	1/2	3,226.60	1/2	3,592.79
3/4	310.95	3/4	670.88	3/4	1,037.07	3/4	1,403.26	3/4	1,769.46	3/4	2,135.65	3/4	2,501.84	3/4	2,868.03	3/4	3,234.22	3/4	3,600.42
11	318.14	11	678.51	11	1,044.70	11	1,410.89	11	1,777.09	11	2,143.28	11	2,509.47	11	2,875.66	11	3,241.85	11	3,608.05
1/4	325.36	1/4	686.14	1/4	1,052.33	1/4	1,418.52	1/4	1,784.72	1/4	2,150.91	1/4	2,517.10	1/4	2,883.29	1/4	3,249.48	1/4	3,615.68
1/2	332.59	1/2	693.77	1/2	1,059.96	1/2	1,426.15	1/2	1,792.35	1/2	2,158.54	1/2	2,524.73	1/2	2,890.92	1/2	3,257.11	1/2	3,623.31
3/4	339.81	3/4	701.40	3/4	1,067.59	3/4	1,433.78	3/4	1,799.97	3/4	2,166.16	3/4	2,532.36	3/4	2,898.55	3/4	3,264.74	3/4	3,630.93

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10-09" OFF CENTERLINE AND 45-03" FORWARD OF AFT BULKHEAD.

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



BARGE "NGL 3004"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,638.56	0	4,004.75	0	4,370.95	0	4,737.14	0	5,102.76	0		0		0		0		0	
1/4	3,646.19	1/4	4,012.38	1/4	4,378.58	1/4	4,744.77	1/4	5,109.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,653.82	1/2	4,020.01	1/2	4,386.21	1/2	4,752.40	1/2	5,116.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,661.45	3/4	4,027.64	3/4	4,393.83	3/4	4,760.02	3/4	5,123.11	3/4		3/4		3/4		3/4		3/4	
1	3,669.08	1	4,035.27	1	4,401.46	1	4,767.65	1	5,129.89	1		1		1		1		1	
1/4	3,676.71	1/4	4,042.90	1/4	4,409.09	1/4	4,775.28	1/4	5,135.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,684.34	1/2	4,050.53	1/2	4,416.72	1/2	4,782.91	1/2	5,141.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,691.96	3/4	4,058.16	3/4	4,424.35	3/4	4,790.54	3/4	5,146.84	3/4		3/4		3/4		3/4		3/4	
2	3,699.59	2	4,065.79	2	4,431.98	2	4,798.17	2	5,152.49	2		2		2		2		2	
1/4	3,707.22	1/4	4,073.42	1/4	4,439.61	1/4	4,805.80	1/4	5,157.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,714.85	1/2	4,081.05	1/2	4,447.24	1/2	4,813.43	1/2	5,161.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,722.48	3/4	4,088.67	3/4	4,454.86	3/4	4,821.06	3/4	5,166.05	3/4		3/4		3/4		3/4		3/4	
3	3,730.11	3	4,096.30	3	4,462.49	3	4,828.69	3	5,170.57	3		3		3		3		3	
1/4	3,737.74	1/4	4,103.93	1/4	4,470.12	1/4	4,836.32	1/4	5,173.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,745.37	1/2	4,111.56	1/2	4,477.75	1/2	4,843.95	1/2	5,177.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,753.00	3/4	4,119.19	3/4	4,485.38	3/4	4,851.57	3/4	5,180.73	3/4		3/4		3/4		3/4		3/4	
4	3,760.63	4	4,126.82	4	4,493.01	4	4,859.20	4	5,184.12	4		4		4		4		4	
1/4	3,768.26	1/4	4,134.45	1/4	4,500.64	1/4	4,866.83	1/4	5,186.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,775.89	1/2	4,142.08	1/2	4,508.27	1/2	4,874.46	1/2	5,188.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,783.51	3/4	4,149.70	3/4	4,515.90	3/4	4,882.09	3/4	5,190.89	3/4		3/4		3/4		3/4		3/4	
5	3,791.14	5	4,157.33	5	4,523.53	5	4,889.72	5	5,193.15	5		5		5		5		5	
1/4	3,798.77	1/4	4,164.96	1/4	4,531.16	1/4	4,897.35	1/4	5,194.31	1/4		1/4		1/4		1/4		1/4	
1/2	3,806.40	1/2	4,172.59	1/2	4,538.79	1/2	4,904.98	1/2	5,195.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,814.03	3/4	4,180.22	3/4	4,546.41	3/4	4,912.60	3/4	5,196.64	3/4		3/4		3/4		3/4		3/4	
6	3,821.66	6	4,187.85	6	4,554.04	6	4,920.23	6	5,197.80	6		6		6		6		6	
1/4	3,829.29	1/4	4,195.48	1/4	4,561.67	1/4	4,927.86	1/4	5,198.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,836.92	1/2	4,203.11	1/2	4,569.30	1/2	4,935.49	1/2	5,198.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,844.54	3/4	4,210.74	3/4	4,576.93	3/4	4,943.12	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,852.17	7	4,218.37	7	4,584.56	7	4,950.75	7		7		7		7		7		7	
1/4	3,859.80	1/4	4,226.00	1/4	4,592.19	1/4	4,958.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,867.43	1/2	4,233.63	1/2	4,599.82	1/2	4,966.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,875.06	3/4	4,241.25	3/4	4,607.44	3/4	4,973.64	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,882.69	8	4,248.88	8	4,615.07	8	4,981.27	8		8		8		8		8		8	
1/4	3,890.32	1/4	4,256.51	1/4	4,622.70	1/4	4,988.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,897.95	1/2	4,264.14	1/2	4,630.33	1/2	4,996.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,905.58	3/4	4,271.77	3/4	4,637.96	3/4	5,004.15	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,913.21	9	4,279.40	9	4,645.59	9	5,011.78	9		9		9		9		9		9	
1/4	3,920.84	1/4	4,287.03	1/4	4,653.22	1/4	5,019.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,928.47	1/2	4,294.66	1/2	4,660.85	1/2	5,027.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,936.09	3/4	4,302.28	3/4	4,668.48	3/4	5,034.67	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,943.72	10	4,309.91	10	4,676.11	10	5,042.30	10		10		10		10		10		10	
1/4	3,951.35	1/4	4,317.54	1/4	4,683.74	1/4	5,049.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,958.98	1/2	4,325.17	1/2	4,691.37	1/2	5,057.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,966.61	3/4	4,332.80	3/4	4,698.99	3/4	5,065.18	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,974.24	11	4,340.43	11	4,706.62	11	5,072.81	11		11		11		11		11		11	
1/4	3,981.87	1/4	4,348.06	1/4	4,714.25	1/4	5,080.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,989.50	1/2	4,355.69	1/2	4,721.88	1/2	5,087.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,997.12	3/4	4,363.32	3/4	4,729.51	3/4	5,095.27	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/1998
DECK MEASUREMENTS: 05/11/2016 SW
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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



BARGE "NGL 3004"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	26.55	0	364.78	0	708.12	0	1,051.47	0	1,394.81	0	1,738.16	0	2,081.50	0	2,424.84	0	2,768.19	0	3,111.53
1/4	32.43	1/4	371.93	1/4	715.28	1/4	1,058.62	1/4	1,401.96	1/4	1,745.31	1/4	2,088.65	1/4	2,432.00	1/4	2,775.34	1/4	3,118.68
1/2	38.30	1/2	379.09	1/2	722.43	1/2	1,065.78	1/2	1,409.12	1/2	1,752.46	1/2	2,095.80	1/2	2,439.15	1/2	2,811.50	1/2	3,125.84
3/4	44.18	3/4	386.24	3/4	729.59	3/4	1,072.93	3/4	1,416.27	3/4	1,759.62	3/4	2,102.96	3/4	2,446.31	3/4	2,789.65	3/4	3,132.99
1	50.05	1	393.39	1	736.74	1	1,080.08	1	1,423.42	1	1,766.77	1	2,110.11	1	2,453.46	1	2,796.80	1	3,140.14
1/4	57.20	1/4	400.54	1/4	743.89	1/4	1,087.23	1/4	1,430.58	1/4	1,773.90	1/4	2,117.26	1/4	2,460.61	1/4	2,803.95	1/4	3,147.30
1/2	64.36	1/2	407.70	1/2	751.05	1/2	1,094.39	1/2	1,437.73	1/2	1,781.03	1/2	2,124.41	1/2	2,467.77	1/2	2,811.11	1/2	3,154.45
3/4	71.51	3/4	414.85	3/4	758.20	3/4	1,101.54	3/4	1,444.89	3/4	1,788.17	3/4	2,131.57	3/4	2,474.92	3/4	2,818.26	3/4	3,161.61
2	78.66	2	422.00	2	765.35	2	1,108.69	2	1,452.04	2	1,795.30	2	2,138.72	2	2,482.07	2	2,825.41	2	3,168.76
1/4	85.81	1/4	429.15	1/4	772.50	1/4	1,115.84	1/4	1,459.19	1/4	1,802.47	1/4	2,145.87	1/4	2,489.22	1/4	2,832.56	1/4	3,175.91
1/2	92.97	1/2	436.31	1/2	779.66	1/2	1,123.00	1/2	1,466.35	1/2	1,809.64	1/2	2,153.03	1/2	2,496.38	1/2	2,839.72	1/2	3,183.07
3/4	100.12	3/4	443.46	3/4	786.81	3/4	1,130.15	3/4	1,473.50	3/4	1,816.82	3/4	2,160.18	3/4	2,503.53	3/4	2,846.87	3/4	3,190.22
3	107.27	3	450.62	3	793.96	3	1,137.30	3	1,480.65	3	1,823.99	3	2,167.34	3	2,510.68	3	2,854.02	3	3,197.37
1/4	114.42	1/4	457.77	1/4	801.11	1/4	1,144.46	1/4	1,487.80	1/4	1,831.14	1/4	2,174.49	1/4	2,517.83	1/4	2,861.18	1/4	3,204.52
1/2	121.58	1/2	464.92	1/2	808.27	1/2	1,151.61	1/2	1,494.96	1/2	1,838.29	1/2	2,181.64	1/2	2,524.99	1/2	2,868.33	1/2	3,211.68
3/4	128.73	3/4	472.08	3/4	815.42	3/4	1,158.77	3/4	1,502.11	3/4	1,845.45	3/4	2,188.80	3/4	2,532.14	3/4	2,875.49	3/4	3,218.83
4	135.88	4	479.23	4	822.57	4	1,165.92	4	1,509.26	4	1,852.60	4	2,195.95	4	2,539.29	4	2,882.64	4	3,225.98
1/4	143.04	1/4	486.38	1/4	829.72	1/4	1,173.07	1/4	1,516.41	1/4	1,859.75	1/4	2,203.10	1/4	2,546.44	1/4	2,889.79	1/4	3,233.13
1/2	150.19	1/2	493.53	1/2	836.88	1/2	1,180.23	1/2	1,523.57	1/2	1,866.91	1/2	2,210.25	1/2	2,553.60	1/2	2,896.95	1/2	3,240.29
3/4	157.35	3/4	500.69	3/4	844.03	3/4	1,187.38	3/4	1,530.72	3/4	1,874.06	3/4	2,217.41	3/4	2,560.75	3/4	2,904.10	3/4	3,247.44
5	164.50	5	507.84	5	851.18	5	1,194.53	5	1,537.87	5	1,881.22	5	2,224.56	5	2,567.90	5	2,911.25	5	3,254.59
1/4	171.65	1/4	514.99	1/4	858.34	1/4	1,201.68	1/4	1,545.02	1/4	1,888.37	1/4	2,231.71	1/4	2,575.06	1/4	2,918.40	1/4	3,261.74
1/2	178.81	1/2	522.14	1/2	865.49	1/2	1,208.84	1/2	1,552.18	1/2	1,895.52	1/2	2,238.86	1/2	2,582.21	1/2	2,925.56	1/2	3,268.90
3/4	185.96	3/4	529.30	3/4	872.65	3/4	1,215.99	3/4	1,559.33	3/4	1,902.68	3/4	2,246.02	3/4	2,589.37	3/4	2,932.71	3/4	3,276.05
6	193.11	6	536.45	6	879.80	6	1,223.14	6	1,566.48	6	1,909.83	6	2,253.17	6	2,596.52	6	2,939.86	6	3,283.20
1/4	200.26	1/4	543.60	1/4	886.95	1/4	1,230.29	1/4	1,573.64	1/4	1,916.98	1/4	2,260.32	1/4	2,603.67	1/4	2,947.01	1/4	3,290.36
1/2	207.42	1/2	550.75	1/2	894.11	1/2	1,237.45	1/2	1,580.79	1/2	1,924.13	1/2	2,267.47	1/2	2,610.83	1/2	2,954.17	1/2	3,297.51
3/4	214.57	3/4	557.91	3/4	901.26	3/4	1,244.60	3/4	1,587.95	3/4	1,931.29	3/4	2,274.63	3/4	2,617.98	3/4	2,961.32	3/4	3,304.67
7	221.72	7	565.06	7	908.41	7	1,251.75	7	1,595.10	7	1,938.44	7	2,281.78	7	2,625.13	7	2,968.47	7	3,311.82
1/4	228.87	1/4	572.21	1/4	915.56	1/4	1,258.90	1/4	1,602.25	1/4	1,945.59	1/4	2,288.94	1/4	2,632.28	1/4	2,975.62	1/4	3,318.97
1/2	236.03	1/2	579.37	1/2	922.72	1/2	1,266.06	1/2	1,609.40	1/2	1,952.74	1/2	2,296.09	1/2	2,639.44	1/2	2,982.78	1/2	3,326.13
3/4	243.18	3/4	586.52	3/4	929.87	3/4	1,273.21	3/4	1,616.56	3/4	1,959.90	3/4	2,303.25	3/4	2,646.59	3/4	2,989.93	3/4	3,333.28
8	250.33	8	593.68	8	937.02	8	1,280.36	8	1,623.71	8	1,967.05	8	2,310.40	8	2,653.74	8	2,997.08	8	3,340.43
1/4	257.48	1/4	600.83	1/4	944.17	1/4	1,287.52	1/4	1,630.86	1/4	1,974.20	1/4	2,317.55	1/4	2,660.89	1/4	3,004.24	1/4	3,347.58
1/2	264.64	1/2	607.98	1/2	951.33	1/2	1,294.67	1/2	1,638.01	1/2	1,981.35	1/2	2,324.71	1/2	2,668.05	1/2	3,011.39	1/2	3,354.74
3/4	271.79	3/4	615.14	3/4	958.48	3/4	1,301.83	3/4	1,645.17	3/4	1,988.51	3/4	2,331.86	3/4	2,675.20	3/4	3,018.55	3/4	3,361.89
9	278.94	9	622.29	9	965.63	9	1,308.98	9	1,652.32	9	1,995.66	9	2,339.01	9	2,682.35	9	3,025.70	9	3,369.04
1/4	286.10	1/4	629.44	1/4	972.78	1/4	1,316.13	1/4	1,659.47	1/4	2,002.81	1/4	2,346.16	1/4	2,689.50	1/4	3,032.85	1/4	3,376.19
1/2	293.25	1/2	636.59	1/2	979.94	1/2	1,323.29	1/2	1,666.62	1/2	2,009.97	1/2	2,353.32	1/2	2,696.66	1/2	3,040.01	1/2	3,383.35
3/4	300.41	3/4	643.75	3/4	987.09	3/4	1,330.44	3/4	1,673.78	3/4	2,017.12	3/4	2,360.47	3/4	2,703.81	3/4	3,047.16	3/4	3,390.50
10	307.56	10	650.90	10	994.24	10	1,337.59	10	1,680.93	10	2,024.28	10	2,367.62	10	2,710.96	10	3,054.31	10	3,397.65
1/4	314.71	1/4	658.05	1/4	1,001.40	1/4	1,344.74	1/4	1,688.08	1/4	2,031.43	1/4	2,374.77	1/4	2,718.12	1/4	3,061.46	1/4	3,404.80
1/2	321.87	1/2	665.21	1/2	1,008.55	1/2	1,351.90	1/2	1,695.23	1/2	2,038.58	1/2	2,381.93	1/2	2,725.27	1/2	3,068.62	1/2	3,411.96
3/4	329.02	3/4	672.36	3/4	1,015.71	3/4	1,359.05	3/4	1,702.39	3/4	2,045.74	3/4	2,389.08	3/4	2,732.43	3/4	3,075.77	3/4	3,419.11
11	336.17	11	679.51	11	1,022.86	11	1,366.20	11	1,709.54	11	2,052.89	11	2,396.23	11	2,739.58	11	3,082.92	11	3,426.26
1/4	343.32	1/4	686.66	1/4	1,030.01	1/4	1,373.35	1/4	1,716.69	1/4	2,060.04	1/4	2,403.38	1/4	2,746.73	1/4	3,090.07	1/4	3,433.42
1/2	350.48	1/2	693.82	1/2	1,037.17	1/2	1,380.51	1/2	1,723.85	1/2	2,067.19	1/2	2,410.54	1/2	2,753.89	1/2	3,097.23	1/2	3,440.57
3/4	357.63	3/4	700.97	3/4	1,044.32	3/4	1,387.66	3/4	1,731.00	3/4	2,074.35	3/4	2,417.69	3/4	2,761.04	3/4	3,104.38	3/4	3,447.73

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10-09" OFF CENTERLINE AND 44-00" FORWARD OF AFT BULKHEAD.

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



BARGE "NGL 3004"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,454.88	0	3,798.22	0	4,141.56	0	4,484.91	0	4,824.79	0		0		0		0		0	
1/4	3,462.03	1/4	3,805.37	1/4	4,148.72	1/4	4,492.01	1/4	4,830.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,469.19	1/2	3,812.53	1/2	4,155.87	1/2	4,499.12	1/2	4,836.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,476.34	3/4	3,819.68	3/4	4,163.03	3/4	4,506.22	3/4	4,842.99	3/4		3/4		3/4		3/4		3/4	
1	3,483.49	1	3,826.83	1	4,170.18	1	4,513.32	1	4,849.06	1		1		1		1		1	
1/4	3,490.64	1/4	3,833.98	1/4	4,177.33	1/4	4,520.42	1/4	4,854.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,497.80	1/2	3,841.14	1/2	4,184.49	1/2	4,527.53	1/2	4,859.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,504.95	3/4	3,848.29	3/4	4,191.64	3/4	4,534.63	3/4	4,864.16	3/4		3/4		3/4		3/4		3/4	
2	3,512.10	2	3,855.44	2	4,198.79	2	4,541.73	2	4,869.19	2		2		2		2		2	
1/4	3,519.25	1/4	3,862.60	1/4	4,205.94	1/4	4,548.83	1/4	4,873.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,526.41	1/2	3,869.75	1/2	4,213.10	1/2	4,555.94	1/2	4,877.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,533.56	3/4	3,876.91	3/4	4,220.25	3/4	4,563.04	3/4	4,881.10	3/4		3/4		3/4		3/4		3/4	
3	3,540.71	3	3,884.06	3	4,227.40	3	4,570.14	3	4,885.07	3		3		3		3		3	
1/4	3,547.86	1/4	3,891.21	1/4	4,234.55	1/4	4,577.25	1/4	4,887.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,555.02	1/2	3,898.37	1/2	4,241.71	1/2	4,584.35	1/2	4,890.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,562.17	3/4	3,905.52	3/4	4,248.86	3/4	4,591.46	3/4	4,893.81	3/4		3/4		3/4		3/4		3/4	
4	3,569.32	4	3,912.67	4	4,256.01	4	4,598.56	4	4,896.72	4		4		4		4		4	
1/4	3,576.48	1/4	3,919.82	1/4	4,263.16	1/4	4,605.66	1/4	4,898.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,583.63	1/2	3,926.98	1/2	4,270.32	1/2	4,612.77	1/2	4,900.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,590.79	3/4	3,934.13	3/4	4,277.47	3/4	4,619.87	3/4	4,902.28	3/4		3/4		3/4		3/4		3/4	
5	3,597.94	5	3,941.28	5	4,284.62	5	4,626.97	5	4,904.13	5		5		5		5		5	
1/4	3,605.09	1/4	3,948.43	1/4	4,291.78	1/4	4,634.07	1/4	4,904.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,612.25	1/2	3,955.59	1/2	4,298.93	1/2	4,641.18	1/2	4,905.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,619.40	3/4	3,962.74	3/4	4,306.09	3/4	4,648.28	3/4	4,906.70	3/4		3/4		3/4		3/4		3/4	
6	3,626.55	6	3,969.89	6	4,313.24	6	4,655.38	6	4,907.56	6		6		6		6		6	
1/4	3,633.70	1/4	3,977.04	1/4	4,320.39	1/4	4,662.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,640.86	1/2	3,984.20	1/2	4,327.55	1/2	4,669.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,648.01	3/4	3,991.35	3/4	4,334.70	3/4	4,676.69	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,655.16	7	3,998.50	7	4,341.85	7	4,683.79	7		7		7		7		7		7	
1/4	3,662.31	1/4	4,005.66	1/4	4,349.00	1/4	4,690.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,669.47	1/2	4,012.81	1/2	4,356.16	1/2	4,698.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,676.62	3/4	4,019.97	3/4	4,363.31	3/4	4,705.10	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,683.77	8	4,027.12	8	4,370.46	8	4,712.20	8		8		8		8		8		8	
1/4	3,690.92	1/4	4,034.27	1/4	4,377.61	1/4	4,719.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,698.08	1/2	4,041.43	1/2	4,384.77	1/2	4,726.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,705.23	3/4	4,048.58	3/4	4,391.92	3/4	4,733.52	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,712.38	9	4,055.73	9	4,399.07	9	4,740.62	9		9		9		9		9		9	
1/4	3,719.54	1/4	4,062.88	1/4	4,406.22	1/4	4,747.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,726.69	1/2	4,070.04	1/2	4,413.38	1/2	4,754.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,733.85	3/4	4,077.19	3/4	4,420.53	3/4	4,761.93	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,741.00	10	4,084.34	10	4,427.68	10	4,769.03	10		10		10		10		10		10	
1/4	3,748.15	1/4	4,091.49	1/4	4,434.84	1/4	4,776.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,755.31	1/2	4,098.65	1/2	4,441.99	1/2	4,783.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,762.46	3/4	4,105.80	3/4	4,449.15	3/4	4,790.34	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,769.61	11	4,112.95	11	4,456.30	11	4,797.44	11		11		11		11		11		11	
1/4	3,776.76	1/4	4,120.10	1/4	4,463.45	1/4	4,804.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,783.92	1/2	4,127.26	1/2	4,470.61	1/2	4,811.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,791.07	3/4	4,134.41	3/4	4,477.76	3/4	4,817.95	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/1998
DECK MEASUREMENTS: 05/11/2016 SW
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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



BARGE "NGL 3004"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	26.55	0	364.78	0	708.12	0	1,051.47	0	1,394.81	0	1,738.16	0	2,081.50	0	2,424.84	0	2,768.19	0	3,111.53
1/4	32.43	1/4	371.93	1/4	715.28	1/4	1,058.62	1/4	1,401.96	1/4	1,745.31	1/4	2,088.65	1/4	2,432.00	1/4	2,775.34	1/4	3,118.68
1/2	38.30	1/2	379.09	1/2	722.43	1/2	1,065.78	1/2	1,409.12	1/2	1,752.46	1/2	2,095.80	1/2	2,439.15	1/2	2,782.50	1/2	3,125.84
3/4	44.18	3/4	386.24	3/4	729.59	3/4	1,072.93	3/4	1,416.27	3/4	1,759.62	3/4	2,102.96	3/4	2,446.31	3/4	2,789.65	3/4	3,132.99
1	50.05	1	393.39	1	736.74	1	1,080.08	1	1,423.42	1	1,766.77	1	2,110.11	1	2,453.46	1	2,796.80	1	3,140.14
1/4	57.20	1/4	400.54	1/4	743.89	1/4	1,087.23	1/4	1,430.58	1/4	1,773.90	1/4	2,117.26	1/4	2,460.61	1/4	2,803.95	1/4	3,147.30
1/2	64.36	1/2	407.70	1/2	751.05	1/2	1,094.39	1/2	1,437.73	1/2	1,781.03	1/2	2,124.41	1/2	2,467.77	1/2	2,811.11	1/2	3,154.45
3/4	71.51	3/4	414.85	3/4	758.20	3/4	1,101.54	3/4	1,444.89	3/4	1,788.17	3/4	2,131.57	3/4	2,474.92	3/4	2,818.26	3/4	3,161.61
2	78.66	2	422.00	2	765.35	2	1,108.69	2	1,452.04	2	1,795.30	2	2,138.72	2	2,482.07	2	2,825.41	2	3,168.76
1/4	85.81	1/4	429.15	1/4	772.50	1/4	1,115.84	1/4	1,459.19	1/4	1,802.47	1/4	2,145.87	1/4	2,489.22	1/4	2,832.56	1/4	3,175.91
1/2	92.97	1/2	436.31	1/2	779.66	1/2	1,123.00	1/2	1,466.35	1/2	1,809.64	1/2	2,153.03	1/2	2,496.38	1/2	2,839.72	1/2	3,183.07
3/4	100.12	3/4	443.46	3/4	786.81	3/4	1,130.15	3/4	1,473.50	3/4	1,816.82	3/4	2,160.18	3/4	2,503.53	3/4	2,846.87	3/4	3,190.22
3	107.27	3	450.62	3	793.96	3	1,137.30	3	1,480.65	3	1,823.99	3	2,167.34	3	2,510.68	3	2,854.02	3	3,197.37
1/4	114.42	1/4	457.77	1/4	801.11	1/4	1,144.46	1/4	1,487.80	1/4	1,831.14	1/4	2,174.49	1/4	2,517.83	1/4	2,861.18	1/4	3,204.52
1/2	121.58	1/2	464.92	1/2	808.27	1/2	1,151.61	1/2	1,494.96	1/2	1,838.29	1/2	2,181.64	1/2	2,524.99	1/2	2,868.33	1/2	3,211.68
3/4	128.73	3/4	472.08	3/4	815.42	3/4	1,158.77	3/4	1,502.11	3/4	1,845.45	3/4	2,188.80	3/4	2,532.14	3/4	2,875.49	3/4	3,218.83
4	135.88	4	479.23	4	822.57	4	1,165.92	4	1,509.26	4	1,852.60	4	2,195.95	4	2,539.29	4	2,882.64	4	3,225.98
1/4	143.04	1/4	486.38	1/4	829.72	1/4	1,173.07	1/4	1,516.41	1/4	1,859.75	1/4	2,203.10	1/4	2,546.44	1/4	2,889.79	1/4	3,233.13
1/2	150.19	1/2	493.53	1/2	836.88	1/2	1,180.23	1/2	1,523.57	1/2	1,866.91	1/2	2,210.25	1/2	2,553.60	1/2	2,896.95	1/2	3,240.29
3/4	157.35	3/4	500.69	3/4	844.03	3/4	1,187.38	3/4	1,530.72	3/4	1,874.06	3/4	2,217.41	3/4	2,560.75	3/4	2,904.10	3/4	3,247.44
5	164.50	5	507.84	5	851.18	5	1,194.53	5	1,537.87	5	1,881.22	5	2,224.56	5	2,567.90	5	2,911.25	5	3,254.59
1/4	171.65	1/4	514.99	1/4	858.34	1/4	1,201.68	1/4	1,545.02	1/4	1,888.37	1/4	2,231.71	1/4	2,575.06	1/4	2,918.40	1/4	3,261.74
1/2	178.81	1/2	522.14	1/2	865.49	1/2	1,208.84	1/2	1,552.18	1/2	1,895.52	1/2	2,238.86	1/2	2,582.21	1/2	2,925.56	1/2	3,268.90
3/4	185.96	3/4	529.30	3/4	872.65	3/4	1,215.99	3/4	1,559.33	3/4	1,902.68	3/4	2,246.02	3/4	2,589.37	3/4	2,932.71	3/4	3,276.05
6	193.11	6	536.45	6	879.80	6	1,223.14	6	1,566.48	6	1,909.83	6	2,253.17	6	2,596.52	6	2,939.86	6	3,283.20
1/4	200.26	1/4	543.60	1/4	886.95	1/4	1,230.29	1/4	1,573.64	1/4	1,916.98	1/4	2,260.32	1/4	2,603.67	1/4	2,947.01	1/4	3,290.36
1/2	207.42	1/2	550.75	1/2	894.11	1/2	1,237.45	1/2	1,580.79	1/2	1,924.13	1/2	2,267.47	1/2	2,610.83	1/2	2,954.17	1/2	3,297.51
3/4	214.57	3/4	557.91	3/4	901.26	3/4	1,244.60	3/4	1,587.95	3/4	1,931.29	3/4	2,274.63	3/4	2,617.98	3/4	2,961.32	3/4	3,304.67
7	221.72	7	565.06	7	908.41	7	1,251.75	7	1,595.10	7	1,938.44	7	2,281.78	7	2,625.13	7	2,968.47	7	3,311.82
1/4	228.87	1/4	572.21	1/4	915.56	1/4	1,258.90	1/4	1,602.25	1/4	1,945.59	1/4	2,288.94	1/4	2,632.28	1/4	2,975.62	1/4	3,318.97
1/2	236.03	1/2	579.37	1/2	922.72	1/2	1,266.06	1/2	1,609.40	1/2	1,952.74	1/2	2,296.09	1/2	2,639.44	1/2	2,982.78	1/2	3,326.13
3/4	243.18	3/4	586.52	3/4	929.87	3/4	1,273.21	3/4	1,616.56	3/4	1,959.90	3/4	2,303.25	3/4	2,646.59	3/4	2,989.93	3/4	3,333.28
8	250.33	8	593.68	8	937.02	8	1,280.36	8	1,623.71	8	1,967.05	8	2,310.40	8	2,653.74	8	2,997.08	8	3,340.43
1/4	257.48	1/4	600.83	1/4	944.17	1/4	1,287.52	1/4	1,630.86	1/4	1,974.20	1/4	2,317.55	1/4	2,660.89	1/4	3,004.24	1/4	3,347.58
1/2	264.64	1/2	607.98	1/2	951.33	1/2	1,294.67	1/2	1,638.01	1/2	1,981.35	1/2	2,324.71	1/2	2,668.05	1/2	3,011.39	1/2	3,354.74
3/4	271.79	3/4	615.14	3/4	958.48	3/4	1,301.83	3/4	1,645.17	3/4	1,988.51	3/4	2,331.86	3/4	2,675.20	3/4	3,018.55	3/4	3,361.89
9	278.94	9	622.29	9	965.63	9	1,308.98	9	1,652.32	9	1,995.66	9	2,339.01	9	2,682.35	9	3,025.70	9	3,369.04
1/4	286.10	1/4	629.44	1/4	972.78	1/4	1,316.13	1/4	1,659.47	1/4	2,002.81	1/4	2,346.16	1/4	2,689.50	1/4	3,032.85	1/4	3,376.19
1/2	293.25	1/2	636.59	1/2	979.94	1/2	1,323.29	1/2	1,666.62	1/2	2,009.97	1/2	2,353.32	1/2	2,696.66	1/2	3,040.01	1/2	3,383.35
3/4	300.41	3/4	643.75	3/4	987.09	3/4	1,330.44	3/4	1,673.78	3/4	2,017.12	3/4	2,360.47	3/4	2,703.81	3/4	3,047.16	3/4	3,390.50
10	307.56	10	650.90	10	994.24	10	1,337.59	10	1,680.93	10	2,024.28	10	2,367.62	10	2,710.96	10	3,054.31	10	3,397.65
1/4	314.71	1/4	658.05	1/4	1,001.40	1/4	1,344.74	1/4	1,688.08	1/4	2,031.43	1/4	2,374.77	1/4	2,718.12	1/4	3,061.46	1/4	3,404.80
1/2	321.87	1/2	665.21	1/2	1,008.55	1/2	1,351.90	1/2	1,695.23	1/2	2,038.58	1/2	2,381.93	1/2	2,725.27	1/2	3,068.62	1/2	3,411.96
3/4	329.02	3/4	672.36	3/4	1,015.71	3/4	1,359.05	3/4	1,702.39	3/4	2,045.74	3/4	2,389.08	3/4	2,732.43	3/4	3,075.77	3/4	3,419.11
11	336.17	11	679.51	11	1,022.86	11	1,366.20	11	1,709.54	11	2,052.89	11	2,396.23	11	2,739.58	11	3,082.92	11	3,426.26
1/4	343.32	1/4	686.66	1/4	1,030.01	1/4	1,373.35	1/4	1,716.69	1/4	2,060.04	1/4	2,403.38	1/4	2,746.73	1/4	3,090.07	1/4	3,433.42
1/2	350.48	1/2	693.82	1/2	1,037.17	1/2	1,380.51	1/2	1,723.85	1/2	2,067.19	1/2	2,410.54	1/2	2,753.89	1/2	3,097.23	1/2	3,440.57
3/4	357.63	3/4	700.97	3/4	1,044.32	3/4	1,387.66	3/4	1,731.00	3/4	2,074.35	3/4	2,417.69	3/4	2,761.04	3/4	3,104.38	3/4	3,447.73

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10-09" OFF CENTERLINE AND 44-00" FORWARD OF AFT BULKHEAD.

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



BARGE "NGL 3004"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,454.88	0	3,798.22	0	4,141.56	0	4,484.91	0	4,824.79	0		0		0		0		0	
1/4	3,462.03	1/4	3,805.37	1/4	4,148.72	1/4	4,492.01	1/4	4,830.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,469.19	1/2	3,812.53	1/2	4,155.87	1/2	4,499.12	1/2	4,836.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,476.34	3/4	3,819.68	3/4	4,163.03	3/4	4,506.22	3/4	4,842.99	3/4		3/4		3/4		3/4		3/4	
1	3,483.49	1	3,826.83	1	4,170.18	1	4,513.32	1	4,849.06	1		1		1		1		1	
1/4	3,490.64	1/4	3,833.98	1/4	4,177.33	1/4	4,520.42	1/4	4,854.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,497.80	1/2	3,841.14	1/2	4,184.49	1/2	4,527.53	1/2	4,859.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,504.95	3/4	3,848.29	3/4	4,191.64	3/4	4,534.63	3/4	4,864.16	3/4		3/4		3/4		3/4		3/4	
2	3,512.10	2	3,855.44	2	4,198.79	2	4,541.73	2	4,869.19	2		2		2		2		2	
1/4	3,519.25	1/4	3,862.60	1/4	4,205.94	1/4	4,548.83	1/4	4,873.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,526.41	1/2	3,869.75	1/2	4,213.10	1/2	4,555.94	1/2	4,877.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,533.56	3/4	3,876.91	3/4	4,220.25	3/4	4,563.04	3/4	4,881.10	3/4		3/4		3/4		3/4		3/4	
3	3,540.71	3	3,884.06	3	4,227.40	3	4,570.14	3	4,885.07	3		3		3		3		3	
1/4	3,547.86	1/4	3,891.21	1/4	4,234.55	1/4	4,577.25	1/4	4,887.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,555.02	1/2	3,898.37	1/2	4,241.71	1/2	4,584.35	1/2	4,890.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,562.17	3/4	3,905.52	3/4	4,248.86	3/4	4,591.46	3/4	4,893.81	3/4		3/4		3/4		3/4		3/4	
4	3,569.32	4	3,912.67	4	4,256.01	4	4,598.56	4	4,896.72	4		4		4		4		4	
1/4	3,576.48	1/4	3,919.82	1/4	4,263.16	1/4	4,605.66	1/4	4,898.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,583.63	1/2	3,926.98	1/2	4,270.32	1/2	4,612.77	1/2	4,900.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,590.79	3/4	3,934.13	3/4	4,277.47	3/4	4,619.87	3/4	4,902.28	3/4		3/4		3/4		3/4		3/4	
5	3,597.94	5	3,941.28	5	4,284.62	5	4,626.97	5	4,904.13	5		5		5		5		5	
1/4	3,605.09	1/4	3,948.43	1/4	4,291.78	1/4	4,634.07	1/4	4,904.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,612.25	1/2	3,955.59	1/2	4,298.93	1/2	4,641.18	1/2	4,905.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,619.40	3/4	3,962.74	3/4	4,306.09	3/4	4,648.28	3/4	4,906.70	3/4		3/4		3/4		3/4		3/4	
6	3,626.55	6	3,969.89	6	4,313.24	6	4,655.38	6	4,907.56	6		6		6		6		6	
1/4	3,633.70	1/4	3,977.04	1/4	4,320.39	1/4	4,662.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,640.86	1/2	3,984.20	1/2	4,327.55	1/2	4,669.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,648.01	3/4	3,991.35	3/4	4,334.70	3/4	4,676.69	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,655.16	7	3,998.50	7	4,341.85	7	4,683.79	7		7		7		7		7		7	
1/4	3,662.31	1/4	4,005.66	1/4	4,349.00	1/4	4,690.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,669.47	1/2	4,012.81	1/2	4,356.16	1/2	4,698.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,676.62	3/4	4,019.97	3/4	4,363.31	3/4	4,705.10	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,683.77	8	4,027.12	8	4,370.46	8	4,712.20	8		8		8		8		8		8	
1/4	3,690.92	1/4	4,034.27	1/4	4,377.61	1/4	4,719.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,698.08	1/2	4,041.43	1/2	4,384.77	1/2	4,726.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,705.23	3/4	4,048.58	3/4	4,391.92	3/4	4,733.52	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,712.38	9	4,055.73	9	4,399.07	9	4,740.62	9		9		9		9		9		9	
1/4	3,719.54	1/4	4,062.88	1/4	4,406.22	1/4	4,747.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,726.69	1/2	4,070.04	1/2	4,413.38	1/2	4,754.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,733.85	3/4	4,077.19	3/4	4,420.53	3/4	4,761.93	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,741.00	10	4,084.34	10	4,427.68	10	4,769.03	10		10		10		10		10		10	
1/4	3,748.15	1/4	4,091.49	1/4	4,434.84	1/4	4,776.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,755.31	1/2	4,098.65	1/2	4,441.99	1/2	4,783.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,762.46	3/4	4,105.80	3/4	4,449.15	3/4	4,790.34	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,769.61	11	4,112.95	11	4,456.30	11	4,797.44	11		11		11		11		11		11	
1/4	3,776.76	1/4	4,120.10	1/4	4,463.45	1/4	4,804.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,783.92	1/2	4,127.26	1/2	4,470.61	1/2	4,811.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,791.07	3/4	4,134.41	3/4	4,477.76	3/4	4,817.95	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/1998
DECK MEASUREMENTS: 05/11/2016 SW
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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



BARGE "NGL 3004"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.26	0	371.44	0	735.14	0	1,097.91	0	1,462.09	0	1,826.26	0	2,190.44	0	2,554.62	0	2,918.79	0	3,282.97
1/4	22.68	1/4	379.02	1/4	742.69	1/4	1,105.50	1/4	1,469.68	1/4	1,833.85	1/4	2,198.03	1/4	2,562.21	1/4	2,926.38	1/4	3,290.56
1/2	28.09	1/2	386.61	1/2	750.24	1/2	1,113.09	1/2	1,477.27	1/2	1,841.44	1/2	2,205.62	1/2	2,569.79	1/2	2,933.97	1/2	3,298.15
3/4	33.51	3/4	394.19	3/4	757.79	3/4	1,120.67	3/4	1,484.85	3/4	1,849.02	3/4	2,213.20	3/4	2,577.38	3/4	2,941.55	3/4	3,305.73
1	38.92	1	401.77	1	765.34	1	1,128.26	1	1,492.44	1	1,856.61	1	2,220.79	1	2,584.96	1	2,949.14	1	3,313.32
1/4	46.23	1/4	409.35	1/4	772.89	1/4	1,135.85	1/4	1,500.03	1/4	1,864.20	1/4	2,228.38	1/4	2,592.55	1/4	2,956.73	1/4	3,320.91
1/2	53.54	1/2	416.94	1/2	780.44	1/2	1,143.44	1/2	1,507.61	1/2	1,871.79	1/2	2,235.97	1/2	2,600.14	1/2	2,964.32	1/2	3,328.49
3/4	60.85	3/4	424.52	3/4	788.00	3/4	1,151.02	3/4	1,515.20	3/4	1,879.37	3/4	2,243.55	3/4	2,607.72	3/4	2,971.90	3/4	3,336.08
2	68.16	2	432.10	2	795.55	2	1,158.61	2	1,522.78	2	1,886.96	2	2,251.14	2	2,615.31	2	2,979.49	2	3,343.66
1/4	75.74	1/4	439.68	1/4	803.10	1/4	1,166.20	1/4	1,530.37	1/4	1,894.55	1/4	2,258.73	1/4	2,622.90	1/4	2,987.08	1/4	3,351.25
1/2	83.33	1/2	447.26	1/2	810.65	1/2	1,173.79	1/2	1,537.96	1/2	1,902.14	1/2	2,266.31	1/2	2,630.49	1/2	2,994.67	1/2	3,358.84
3/4	90.91	3/4	454.84	3/4	818.21	3/4	1,181.37	3/4	1,545.54	3/4	1,909.72	3/4	2,273.90	3/4	2,638.07	3/4	3,002.25	3/4	3,366.42
3	98.49	3	462.42	3	825.76	3	1,188.96	3	1,553.13	3	1,917.31	3	2,281.48	3	2,645.66	3	3,009.84	3	3,374.01
1/4	106.07	1/4	470.00	1/4	833.31	1/4	1,196.55	1/4	1,560.72	1/4	1,924.90	1/4	2,289.07	1/4	2,653.25	1/4	3,017.43	1/4	3,381.60
1/2	113.66	1/2	477.59	1/2	840.86	1/2	1,204.13	1/2	1,568.31	1/2	1,932.49	1/2	2,296.66	1/2	2,660.84	1/2	3,025.01	1/2	3,389.19
3/4	121.24	3/4	485.17	3/4	848.42	3/4	1,211.72	3/4	1,575.89	3/4	1,940.07	3/4	2,304.24	3/4	2,668.42	3/4	3,032.60	3/4	3,396.77
4	128.82	4	492.75	4	855.97	4	1,219.30	4	1,583.48	4	1,947.66	4	2,311.83	4	2,676.01	4	3,040.18	4	3,404.36
1/4	136.40	1/4	500.33	1/4	863.52	1/4	1,226.89	1/4	1,591.07	1/4	1,955.25	1/4	2,319.42	1/4	2,683.60	1/4	3,047.77	1/4	3,411.95
1/2	143.98	1/2	507.92	1/2	871.07	1/2	1,234.48	1/2	1,598.66	1/2	1,962.83	1/2	2,327.01	1/2	2,691.19	1/2	3,055.36	1/2	3,419.54
3/4	151.56	3/4	515.50	3/4	878.63	3/4	1,242.06	3/4	1,606.24	3/4	1,970.42	3/4	2,334.59	3/4	2,698.77	3/4	3,062.94	3/4	3,427.12
5	159.14	5	523.08	5	886.18	5	1,249.65	5	1,613.83	5	1,978.00	5	2,342.18	5	2,706.36	5	3,070.53	5	3,434.71
1/4	166.72	1/4	530.66	1/4	893.73	1/4	1,257.24	1/4	1,621.42	1/4	1,985.59	1/4	2,349.77	1/4	2,713.95	1/4	3,078.12	1/4	3,442.26
1/2	174.31	1/2	538.25	1/2	901.28	1/2	1,264.83	1/2	1,629.01	1/2	1,993.18	1/2	2,357.36	1/2	2,721.53	1/2	3,085.71	1/2	3,449.80
3/4	181.89	3/4	545.83	3/4	908.83	3/4	1,272.41	3/4	1,636.59	3/4	2,000.76	3/4	2,364.94	3/4	2,729.12	3/4	3,093.29	3/4	3,457.35
6	189.47	6	553.41	6	916.38	6	1,280.00	6	1,644.18	6	2,008.35	6	2,372.53	6	2,736.70	6	3,100.88	6	3,464.89
1/4	197.05	1/4	560.99	1/4	923.93	1/4	1,287.59	1/4	1,651.77	1/4	2,015.94	1/4	2,380.12	1/4	2,744.29	1/4	3,108.47	1/4	3,472.22
1/2	204.64	1/2	568.57	1/2	931.48	1/2	1,295.18	1/2	1,659.35	1/2	2,023.53	1/2	2,387.71	1/2	2,751.88	1/2	3,116.06	1/2	3,479.56
3/4	212.22	3/4	576.16	3/4	939.04	3/4	1,302.76	3/4	1,666.94	3/4	2,031.11	3/4	2,395.29	3/4	2,759.46	3/4	3,123.64	3/4	3,486.89
7	219.80	7	583.74	7	946.59	7	1,310.35	7	1,674.52	7	2,038.70	7	2,402.88	7	2,767.05	7	3,131.23	7	3,494.22
1/4	227.38	1/4	591.32	1/4	954.14	1/4	1,317.94	1/4	1,682.11	1/4	2,046.29	1/4	2,410.47	1/4	2,774.64	1/4	3,138.82	1/4	3,501.21
1/2	234.97	1/2	598.90	1/2	961.69	1/2	1,325.53	1/2	1,689.70	1/2	2,053.88	1/2	2,418.05	1/2	2,782.23	1/2	3,146.41	1/2	3,508.20
3/4	242.55	3/4	606.48	3/4	969.25	3/4	1,333.11	3/4	1,697.28	3/4	2,061.46	3/4	2,425.64	3/4	2,789.81	3/4	3,153.99	3/4	3,515.18
8	250.13	8	614.06	8	976.80	8	1,340.70	8	1,704.87	8	2,069.05	8	2,433.22	8	2,797.40	8	3,161.58	8	3,522.17
1/4	257.71	1/4	621.64	1/4	984.35	1/4	1,348.29	1/4	1,712.46	1/4	2,076.64	1/4	2,440.81	1/4	2,804.99	1/4	3,169.17	1/4	3,528.82
1/2	265.30	1/2	629.23	1/2	991.90	1/2	1,355.87	1/2	1,720.05	1/2	2,084.23	1/2	2,448.40	1/2	2,812.58	1/2	3,176.75	1/2	3,535.46
3/4	272.88	3/4	636.81	3/4	999.46	3/4	1,363.46	3/4	1,727.63	3/4	2,091.81	3/4	2,455.98	3/4	2,820.16	3/4	3,184.34	3/4	3,542.11
9	280.46	9	644.39	9	1,007.01	9	1,371.04	9	1,735.22	9	2,099.40	9	2,463.57	9	2,827.75	9	3,191.92	9	3,548.75
1/4	288.04	1/4	651.97	1/4	1,014.56	1/4	1,378.63	1/4	1,742.81	1/4	2,106.99	1/4	2,471.16	1/4	2,835.34	1/4	3,199.51	1/4	3,555.05
1/2	295.62	1/2	659.56	1/2	1,022.12	1/2	1,386.22	1/2	1,750.40	1/2	2,114.57	1/2	2,478.75	1/2	2,842.93	1/2	3,207.10	1/2	3,561.35
3/4	303.20	3/4	667.14	3/4	1,029.67	3/4	1,393.80	3/4	1,757.98	3/4	2,122.16	3/4	2,486.33	3/4	2,850.51	3/4	3,214.68	3/4	3,567.64
10	310.78	10	674.72	10	1,037.22	10	1,401.39	10	1,765.57	10	2,129.74	10	2,493.92	10	2,858.10	10	3,222.27	10	3,573.94
1/4	318.36	1/4	682.27	1/4	1,044.81	1/4	1,408.98	1/4	1,773.16	1/4	2,137.33	1/4	2,501.51	1/4	2,865.69	1/4	3,229.86	1/4	3,579.89
1/2	325.95	1/2	689.82	1/2	1,052.39	1/2	1,416.57	1/2	1,780.75	1/2	2,144.92	1/2	2,509.10	1/2	2,873.27	1/2	3,237.45	1/2	3,585.85
3/4	333.53	3/4	697.38	3/4	1,059.98	3/4	1,424.15	3/4	1,788.33	3/4	2,152.50	3/4	2,516.68	3/4	2,880.86	3/4	3,245.03	3/4	3,591.80
11	341.11	11	704.93	11	1,067.56	11	1,431.74	11	1,795.92	11	2,160.09	11	2,524.27	11	2,888.44	11	3,252.62	11	3,597.75
1/4	348.69	1/4	712.48	1/4	1,075.15	1/4	1,439.33	1/4	1,803.51	1/4	2,167.68	1/4	2,531.86	1/4	2,896.03	1/4	3,260.21	1/4	3,603.37
1/2	356.28	1/2	720.04	1/2	1,082.74	1/2	1,446.92	1/2	1,811.09	1/2	2,175.27	1/2	2,539.45	1/2	2,903.62	1/2	3,267.80	1/2	3,608.99
3/4	363.86	3/4	727.59	3/4	1,090.32	3/4	1,454.50	3/4	1,818.68	3/4	2,182.85	3/4	2,547.03	3/4	2,911.20	3/4	3,275.38	3/4	3,614.61

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "NGL 3004"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. 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	3,620.23	0	3,873.11	0	4,125.74	0	4,378.36	0	4,630.99	0		0		0		0		0	
1/4	3,625.56	1/4	3,878.38	1/4	4,131.00	1/4	4,383.62	1/4	4,635.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,630.89	1/2	3,883.64	1/2	4,136.27	1/2	4,388.89	1/2	4,640.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.21	3/4	3,888.91	3/4	4,141.53	3/4	4,394.15	3/4	4,645.61	3/4		3/4		3/4		3/4		3/4	
1	3,641.54	1	3,894.17	1	4,146.79	1	4,399.41	1	4,650.48	1		1		1		1		1	
1/4	3,646.80	1/4	3,899.43	1/4	4,152.05	1/4	4,404.68	1/4	4,654.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,652.07	1/2	3,904.70	1/2	4,157.32	1/2	4,409.94	1/2	4,658.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,657.33	3/4	3,909.96	3/4	4,162.58	3/4	4,415.21	3/4	4,662.76	3/4		3/4		3/4		3/4		3/4	
2	3,662.59	2	3,915.22	2	4,167.84	2	4,420.47	2	4,666.85	2		2		2		2		2	
1/4	3,667.86	1/4	3,920.48	1/4	4,173.10	1/4	4,425.73	1/4	4,670.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.12	1/2	3,925.75	1/2	4,178.37	1/2	4,431.00	1/2	4,673.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.39	3/4	3,931.01	3/4	4,183.63	3/4	4,436.26	3/4	4,676.78	3/4		3/4		3/4		3/4		3/4	
3	3,683.65	3	3,936.27	3	4,188.89	3	4,441.52	3	4,680.09	3		3		3		3		3	
1/4	3,688.91	1/4	3,941.53	1/4	4,194.16	1/4	4,446.78	1/4	4,682.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,694.18	1/2	3,946.80	1/2	4,199.42	1/2	4,452.05	1/2	4,685.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,699.44	3/4	3,952.06	3/4	4,204.69	3/4	4,457.31	3/4	4,687.69	3/4		3/4		3/4		3/4		3/4	
4	3,704.70	4	3,957.32	4	4,209.95	4	4,462.57	4	4,690.22	4		4		4		4		4	
1/4	3,709.96	1/4	3,962.58	1/4	4,215.21	1/4	4,467.83	1/4	4,691.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,715.23	1/2	3,967.85	1/2	4,220.48	1/2	4,473.10	1/2	4,693.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,720.49	3/4	3,973.11	3/4	4,225.74	3/4	4,478.36	3/4	4,695.48	3/4		3/4		3/4		3/4		3/4	
5	3,725.75	5	3,978.37	5	4,231.00	5	4,483.62	5	4,697.23	5		5		5		5		5	
1/4	3,731.01	1/4	3,983.64	1/4	4,236.26	1/4	4,488.88	1/4	4,698.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,736.28	1/2	3,988.90	1/2	4,241.53	1/2	4,494.15	1/2	4,699.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,741.54	3/4	3,994.17	3/4	4,246.79	3/4	4,499.41	3/4	4,700.14	3/4		3/4		3/4		3/4		3/4	
6	3,746.80	6	3,999.43	6	4,252.05	6	4,504.67	6	4,701.11	6		6		6		6		6	
1/4	3,752.06	1/4	4,004.69	1/4	4,257.31	1/4	4,509.94	1/4	4,701.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,757.33	1/2	4,009.96	1/2	4,262.58	1/2	4,515.20	1/2	4,701.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,762.59	3/4	4,015.22	3/4	4,267.84	3/4	4,520.47	3/4	4,701.98	3/4		3/4		3/4		3/4		3/4	
7	3,767.85	7	4,020.48	7	4,273.10	7	4,525.73	7		7		7		7		7		7	
1/4	3,773.12	1/4	4,025.74	1/4	4,278.36	1/4	4,530.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,778.38	1/2	4,031.01	1/2	4,283.63	1/2	4,536.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,783.65	3/4	4,036.27	3/4	4,288.89	3/4	4,541.52	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,788.91	8	4,041.53	8	4,294.15	8	4,546.78	8		8		8		8		8		8	
1/4	3,794.17	1/4	4,046.79	1/4	4,299.42	1/4	4,552.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,799.44	1/2	4,052.06	1/2	4,304.68	1/2	4,557.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,804.70	3/4	4,057.32	3/4	4,309.95	3/4	4,562.57	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,809.96	9	4,062.58	9	4,315.21	9	4,567.83	9		9		9		9		9		9	
1/4	3,815.22	1/4	4,067.84	1/4	4,320.47	1/4	4,573.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,820.49	1/2	4,073.11	1/2	4,325.74	1/2	4,578.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,825.75	3/4	4,078.37	3/4	4,331.00	3/4	4,583.62	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,831.01	10	4,083.63	10	4,336.26	10	4,588.88	10		10		10		10		10		10	
1/4	3,836.27	1/4	4,088.90	1/4	4,341.52	1/4	4,594.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,841.54	1/2	4,094.16	1/2	4,346.79	1/2	4,599.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,846.80	3/4	4,099.43	3/4	4,352.05	3/4	4,604.67	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,852.06	11	4,104.69	11	4,357.31	11	4,609.93	11		11		11		11		11		11	
1/4	3,857.32	1/4	4,109.95	1/4	4,362.57	1/4	4,615.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,862.59	1/2	4,115.22	1/2	4,367.84	1/2	4,620.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,867.85	3/4	4,120.48	3/4	4,373.10	3/4	4,625.73	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 06/18/1998
DECK MEASUREMENTS: 05/11/2016 SW
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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 3004"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	17.26	0	371.44	0	735.14	0	1,097.91	0	1,462.09	0	1,826.26	0	2,190.44	0	2,554.62	0	2,918.79	0	3,282.97
1/4	22.68	1/4	379.02	1/4	742.69	1/4	1,105.50	1/4	1,469.68	1/4	1,833.85	1/4	2,198.03	1/4	2,562.21	1/4	2,930.38	1/4	3,290.56
1/2	28.09	1/2	386.61	1/2	750.24	1/2	1,113.09	1/2	1,477.27	1/2	1,841.44	1/2	2,205.62	1/2	2,569.79	1/2	2,933.97	1/2	3,298.15
3/4	33.51	3/4	394.19	3/4	757.79	3/4	1,120.67	3/4	1,484.85	3/4	1,849.02	3/4	2,213.20	3/4	2,577.38	3/4	2,941.55	3/4	3,305.73
1	38.92	1	401.77	1	765.34	1	1,128.26	1	1,492.44	1	1,856.61	1	2,220.79	1	2,584.96	1	2,949.14	1	3,313.32
1/4	46.23	1/4	409.35	1/4	772.89	1/4	1,135.85	1/4	1,500.03	1/4	1,864.20	1/4	2,228.38	1/4	2,592.55	1/4	2,956.73	1/4	3,320.91
1/2	53.54	1/2	416.94	1/2	780.44	1/2	1,143.44	1/2	1,507.61	1/2	1,871.79	1/2	2,235.97	1/2	2,600.14	1/2	2,964.32	1/2	3,328.49
3/4	60.85	3/4	424.52	3/4	788.00	3/4	1,151.02	3/4	1,515.20	3/4	1,879.37	3/4	2,243.55	3/4	2,607.72	3/4	2,971.90	3/4	3,336.08
2	68.16	2	432.10	2	795.55	2	1,158.61	2	1,522.78	2	1,886.96	2	2,251.14	2	2,615.31	2	2,979.49	2	3,343.66
1/4	75.74	1/4	439.68	1/4	803.10	1/4	1,166.20	1/4	1,530.37	1/4	1,894.55	1/4	2,258.73	1/4	2,622.90	1/4	2,987.08	1/4	3,351.25
1/2	83.33	1/2	447.26	1/2	810.65	1/2	1,173.79	1/2	1,537.96	1/2	1,902.14	1/2	2,266.31	1/2	2,630.49	1/2	2,994.67	1/2	3,358.84
3/4	90.91	3/4	454.84	3/4	818.21	3/4	1,181.37	3/4	1,545.54	3/4	1,909.72	3/4	2,273.90	3/4	2,638.07	3/4	3,002.25	3/4	3,366.42
3	98.49	3	462.42	3	825.76	3	1,188.96	3	1,553.13	3	1,917.31	3	2,281.48	3	2,645.66	3	3,009.84	3	3,374.01
1/4	106.07	1/4	470.00	1/4	833.31	1/4	1,196.55	1/4	1,560.72	1/4	1,924.90	1/4	2,289.07	1/4	2,653.25	1/4	3,017.43	1/4	3,381.60
1/2	113.66	1/2	477.59	1/2	840.86	1/2	1,204.13	1/2	1,568.31	1/2	1,932.49	1/2	2,296.66	1/2	2,660.84	1/2	3,025.01	1/2	3,389.19
3/4	121.24	3/4	485.17	3/4	848.42	3/4	1,211.72	3/4	1,575.89	3/4	1,940.07	3/4	2,304.24	3/4	2,668.42	3/4	3,032.60	3/4	3,396.77
4	128.82	4	492.75	4	855.97	4	1,219.30	4	1,583.48	4	1,947.66	4	2,311.83	4	2,676.01	4	3,040.18	4	3,404.36
1/4	136.40	1/4	500.33	1/4	863.52	1/4	1,226.89	1/4	1,591.07	1/4	1,955.25	1/4	2,319.42	1/4	2,683.60	1/4	3,047.77	1/4	3,411.95
1/2	143.98	1/2	507.92	1/2	871.07	1/2	1,234.48	1/2	1,598.66	1/2	1,962.83	1/2	2,327.01	1/2	2,691.19	1/2	3,055.36	1/2	3,419.54
3/4	151.56	3/4	515.50	3/4	878.63	3/4	1,242.06	3/4	1,606.24	3/4	1,970.42	3/4	2,334.59	3/4	2,698.77	3/4	3,062.94	3/4	3,427.12
5	159.14	5	523.08	5	886.18	5	1,249.65	5	1,613.83	5	1,978.00	5	2,342.18	5	2,706.36	5	3,070.53	5	3,434.71
1/4	166.72	1/4	530.66	1/4	893.73	1/4	1,257.24	1/4	1,621.42	1/4	1,985.59	1/4	2,349.77	1/4	2,713.95	1/4	3,078.12	1/4	3,442.26
1/2	174.31	1/2	538.25	1/2	901.28	1/2	1,264.83	1/2	1,629.01	1/2	1,993.18	1/2	2,357.36	1/2	2,721.53	1/2	3,085.71	1/2	3,449.80
3/4	181.89	3/4	545.83	3/4	908.83	3/4	1,272.41	3/4	1,636.59	3/4	2,000.76	3/4	2,364.94	3/4	2,729.12	3/4	3,093.29	3/4	3,457.35
6	189.47	6	553.41	6	916.38	6	1,280.00	6	1,644.18	6	2,008.35	6	2,372.53	6	2,736.70	6	3,100.88	6	3,464.89
1/4	197.05	1/4	560.99	1/4	923.93	1/4	1,287.59	1/4	1,651.77	1/4	2,015.94	1/4	2,380.12	1/4	2,744.29	1/4	3,108.47	1/4	3,472.22
1/2	204.64	1/2	568.57	1/2	931.48	1/2	1,295.18	1/2	1,659.35	1/2	2,023.53	1/2	2,387.71	1/2	2,751.88	1/2	3,116.06	1/2	3,479.56
3/4	212.22	3/4	576.16	3/4	939.04	3/4	1,302.76	3/4	1,666.94	3/4	2,031.11	3/4	2,395.29	3/4	2,759.46	3/4	3,123.64	3/4	3,486.89
7	219.80	7	583.74	7	946.59	7	1,310.35	7	1,674.52	7	2,038.70	7	2,402.88	7	2,767.05	7	3,131.23	7	3,494.22
1/4	227.38	1/4	591.32	1/4	954.14	1/4	1,317.94	1/4	1,682.11	1/4	2,046.29	1/4	2,410.47	1/4	2,774.64	1/4	3,138.82	1/4	3,501.21
1/2	234.97	1/2	598.90	1/2	961.69	1/2	1,325.53	1/2	1,689.70	1/2	2,053.88	1/2	2,418.05	1/2	2,782.23	1/2	3,146.41	1/2	3,508.20
3/4	242.55	3/4	606.48	3/4	969.25	3/4	1,333.11	3/4	1,697.28	3/4	2,061.46	3/4	2,425.64	3/4	2,789.81	3/4	3,153.99	3/4	3,515.18
8	250.13	8	614.06	8	976.80	8	1,340.70	8	1,704.87	8	2,069.05	8	2,433.22	8	2,797.40	8	3,161.58	8	3,522.17
1/4	257.71	1/4	621.64	1/4	984.35	1/4	1,348.29	1/4	1,712.46	1/4	2,076.64	1/4	2,440.81	1/4	2,804.99	1/4	3,169.17	1/4	3,528.82
1/2	265.30	1/2	629.23	1/2	991.90	1/2	1,355.87	1/2	1,720.05	1/2	2,084.23	1/2	2,448.40	1/2	2,812.58	1/2	3,176.75	1/2	3,535.46
3/4	272.88	3/4	636.81	3/4	999.46	3/4	1,363.46	3/4	1,727.63	3/4	2,091.81	3/4	2,455.98	3/4	2,820.16	3/4	3,184.34	3/4	3,542.11
9	280.46	9	644.39	9	1,007.01	9	1,371.04	9	1,735.22	9	2,099.40	9	2,463.57	9	2,827.75	9	3,191.92	9	3,548.75
1/4	288.04	1/4	651.97	1/4	1,014.56	1/4	1,378.63	1/4	1,742.81	1/4	2,106.99	1/4	2,471.16	1/4	2,835.34	1/4	3,199.51	1/4	3,555.05
1/2	295.62	1/2	659.56	1/2	1,022.12	1/2	1,386.22	1/2	1,750.40	1/2	2,114.57	1/2	2,478.75	1/2	2,842.93	1/2	3,207.10	1/2	3,561.35
3/4	303.20	3/4	667.14	3/4	1,029.67	3/4	1,393.80	3/4	1,757.98	3/4	2,122.16	3/4	2,486.33	3/4	2,850.51	3/4	3,214.68	3/4	3,567.64
10	310.78	10	674.72	10	1,037.22	10	1,401.39	10	1,765.57	10	2,129.74	10	2,493.92	10	2,858.10	10	3,222.27	10	3,573.94
1/4	318.36	1/4	682.27	1/4	1,044.81	1/4	1,408.98	1/4	1,773.16	1/4	2,137.33	1/4	2,501.51	1/4	2,865.69	1/4	3,229.86	1/4	3,579.89
1/2	325.95	1/2	689.82	1/2	1,052.39	1/2	1,416.57	1/2	1,780.75	1/2	2,144.92	1/2	2,509.10	1/2	2,873.27	1/2	3,237.45	1/2	3,585.85
3/4	333.53	3/4	697.38	3/4	1,059.98	3/4	1,424.15	3/4	1,788.33	3/4	2,152.50	3/4	2,516.68	3/4	2,880.86	3/4	3,245.03	3/4	3,591.80
11	341.11	11	704.93	11	1,067.56	11	1,431.74	11	1,795.92	11	2,160.09	11	2,524.27	11	2,888.44	11	3,252.62	11	3,597.75
1/4	348.69	1/4	712.48	1/4	1,075.15	1/4	1,439.33	1/4	1,803.51	1/4	2,167.68	1/4	2,531.86	1/4	2,896.03	1/4	3,260.21	1/4	3,603.37
1/2	356.28	1/2	720.04	1/2	1,082.74	1/2	1,446.92	1/2	1,811.09	1/2	2,175.27	1/2	2,539.45	1/2	2,903.62	1/2	3,267.80	1/2	3,608.99
3/4	363.86	3/4	727.59	3/4	1,090.32	3/4	1,454.50	3/4	1,818.68	3/4	2,182.85	3/4	2,547.03	3/4	2,911.20	3/4	3,275.38	3/4	3,614.61

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10-09" OFF CENTERLINE AND 45-00" FORWARD OF AFT BULKHEAD.

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



BARGE "NGL 3004"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,620.23	0	3,873.11	0	4,125.74	0	4,378.36	0	4,630.99	0		0		0		0		0	
1/4	3,625.56	1/4	3,878.38	1/4	4,131.00	1/4	4,383.62	1/4	4,635.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,630.89	1/2	3,883.64	1/2	4,136.27	1/2	4,388.89	1/2	4,640.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.21	3/4	3,888.91	3/4	4,141.53	3/4	4,394.15	3/4	4,645.61	3/4		3/4		3/4		3/4		3/4	
1	3,641.54	1	3,894.17	1	4,146.79	1	4,399.41	1	4,650.48	1		1		1		1		1	
1/4	3,646.80	1/4	3,899.43	1/4	4,152.05	1/4	4,404.68	1/4	4,654.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,652.07	1/2	3,904.70	1/2	4,157.32	1/2	4,409.94	1/2	4,658.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,657.33	3/4	3,909.96	3/4	4,162.58	3/4	4,415.21	3/4	4,662.76	3/4		3/4		3/4		3/4		3/4	
2	3,662.59	2	3,915.22	2	4,167.84	2	4,420.47	2	4,666.85	2		2		2		2		2	
1/4	3,667.86	1/4	3,920.48	1/4	4,173.10	1/4	4,425.73	1/4	4,670.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.12	1/2	3,925.75	1/2	4,178.37	1/2	4,431.00	1/2	4,673.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.39	3/4	3,931.01	3/4	4,183.63	3/4	4,436.26	3/4	4,676.78	3/4		3/4		3/4		3/4		3/4	
3	3,683.65	3	3,936.27	3	4,188.89	3	4,441.52	3	4,680.09	3		3		3		3		3	
1/4	3,688.91	1/4	3,941.53	1/4	4,194.16	1/4	4,446.78	1/4	4,682.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,694.18	1/2	3,946.80	1/2	4,199.42	1/2	4,452.05	1/2	4,685.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,699.44	3/4	3,952.06	3/4	4,204.69	3/4	4,457.31	3/4	4,687.69	3/4		3/4		3/4		3/4		3/4	
4	3,704.70	4	3,957.32	4	4,209.95	4	4,462.57	4	4,690.22	4		4		4		4		4	
1/4	3,709.96	1/4	3,962.58	1/4	4,215.21	1/4	4,467.83	1/4	4,691.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,715.23	1/2	3,967.85	1/2	4,220.48	1/2	4,473.10	1/2	4,693.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,720.49	3/4	3,973.11	3/4	4,225.74	3/4	4,478.36	3/4	4,695.48	3/4		3/4		3/4		3/4		3/4	
5	3,725.75	5	3,978.37	5	4,231.00	5	4,483.62	5	4,697.23	5		5		5		5		5	
1/4	3,731.01	1/4	3,983.64	1/4	4,236.26	1/4	4,488.88	1/4	4,698.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,736.28	1/2	3,988.90	1/2	4,241.53	1/2	4,494.15	1/2	4,699.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,741.54	3/4	3,994.17	3/4	4,246.79	3/4	4,499.41	3/4	4,700.14	3/4		3/4		3/4		3/4		3/4	
6	3,746.80	6	3,999.43	6	4,252.05	6	4,504.67	6	4,701.11	6		6		6		6		6	
1/4	3,752.06	1/4	4,004.69	1/4	4,257.31	1/4	4,509.94	1/4	4,701.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,757.33	1/2	4,009.96	1/2	4,262.58	1/2	4,515.20	1/2	4,701.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,762.59	3/4	4,015.22	3/4	4,267.84	3/4	4,520.47	3/4	4,701.98	3/4		3/4		3/4		3/4		3/4	
7	3,767.85	7	4,020.48	7	4,273.10	7	4,525.73	7		7		7		7		7		7	
1/4	3,773.12	1/4	4,025.74	1/4	4,278.36	1/4	4,530.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,778.38	1/2	4,031.01	1/2	4,283.63	1/2	4,536.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,783.65	3/4	4,036.27	3/4	4,288.89	3/4	4,541.52	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,788.91	8	4,041.53	8	4,294.15	8	4,546.78	8		8		8		8		8		8	
1/4	3,794.17	1/4	4,046.79	1/4	4,299.42	1/4	4,552.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,799.44	1/2	4,052.06	1/2	4,304.68	1/2	4,557.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,804.70	3/4	4,057.32	3/4	4,309.95	3/4	4,562.57	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,809.96	9	4,062.58	9	4,315.21	9	4,567.83	9		9		9		9		9		9	
1/4	3,815.22	1/4	4,067.84	1/4	4,320.47	1/4	4,573.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,820.49	1/2	4,073.11	1/2	4,325.74	1/2	4,578.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,825.75	3/4	4,078.37	3/4	4,331.00	3/4	4,583.62	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,831.01	10	4,083.63	10	4,336.26	10	4,588.88	10		10		10		10		10		10	
1/4	3,836.27	1/4	4,088.90	1/4	4,341.52	1/4	4,594.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,841.54	1/2	4,094.16	1/2	4,346.79	1/2	4,599.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,846.80	3/4	4,099.43	3/4	4,352.05	3/4	4,604.67	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,852.06	11	4,104.69	11	4,357.31	11	4,609.93	11		11		11		11		11		11	
1/4	3,857.32	1/4	4,109.95	1/4	4,362.57	1/4	4,615.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,862.59	1/2	4,115.22	1/2	4,367.84	1/2	4,620.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,867.85	3/4	4,120.48	3/4	4,373.10	3/4	4,625.73	3/4		3/4		3/4		3/4		3/4		3/4	

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DECK MEASUREMENTS: 05/11/2016 SW
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES
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