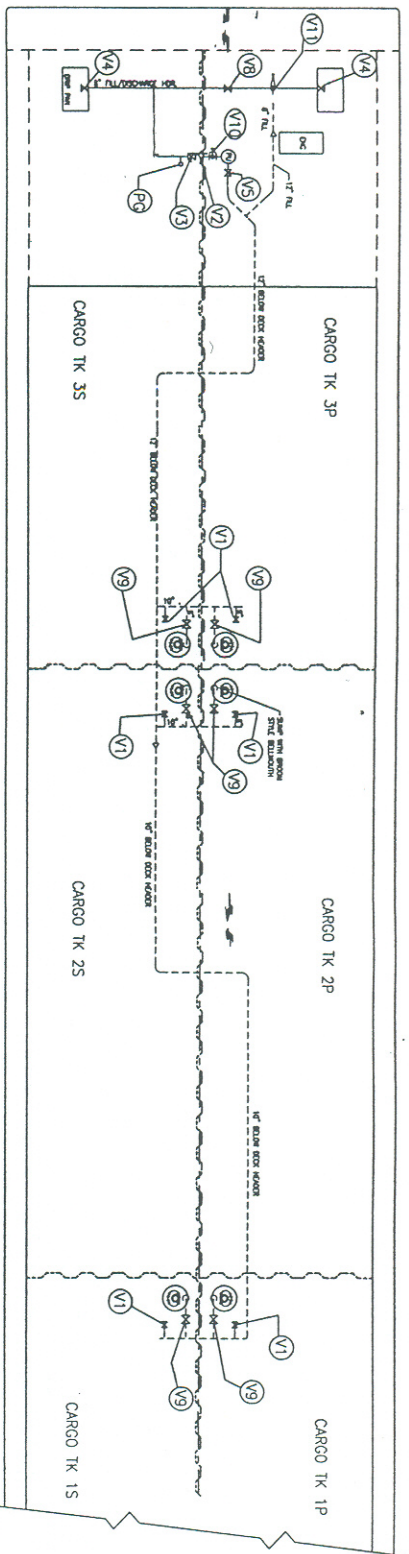


TANK VOL. 100% FULL



RECEIVED
 JUL - 7 1999
 BARGE MAINTENANCE

TANK	GAL.	BBL.	CU.FT.
1P	206,476	4916	27,602
1S	206,476	4916	27,602
2P	205,409	4891	27,459
2S	205,409	4891	27,459
3P	190,921	4546	25,522
3S	190,921	4546	25,522
TOTAL	1,205,612	28,706	161,166
		98% FULL	28,132

CAPACITIES - SHORT TONS AT VARIOUS DRAFTS			
DRAFT	TOTAL	1 P/S	2 P/S
(FT)	(S.T.)	(S.T.)	(S.T.)
2.00	98.20	49.10	0
2.50	348.80	136.40	76.00
3.00	599.30	219.90	159.50
3.50	849.90	303.40	243.10
4.00	1100.50	386.90	326.60
4.50	1351.20	470.50	410.20
5.00	1601.80	554.00	493.70
5.50	1852.50	637.60	577.30
6.00	2103.30	721.20	660.90
6.50	2354.00	804.80	744.40
7.00	2604.80	888.40	828.00
7.50	2855.60	972.00	911.60
8.00	3106.40	1055.60	995.20
8.50	3357.20	1139.20	1078.80
9.00	3608.10	1222.80	1162.50
9.50	3859.00	1306.40	1246.10
10.00	4109.80	1390.00	1329.70
10.50	4360.70	1473.70	1413.30
11.00	4611.60	1557.30	1497.00
11.50	4862.50	1640.90	1580.60

MAX. CAPACITY - BBL. (100 %)			
DRAFT	TOTAL	1 P/S	2 P/S
(FT)	(S.T.)	(S.T.)	(S.T.)
27.758	9367.00	3367.00	9023.00
MAX. CAPACITY - CU. FT. (100 %)			
155.849	52,593.00	52,593.00	50,660.00

VALVE IDENTIFICATION CHART

V1	HIGH LOADING VALVE
V2	PUMP DISCHARGE CHECK VALVE
V3	PUMP DISCHARGE VALVE
V4	CARGO HEADER VALVE
V5	PUMPWELL INLET VALVE
V6	CARGO HDR BLOCK VALVE
V7	CARGO TANK SUCTION VALVE
V8	CARGO TANK SUCTION VALVE
V9	CARGO HDR PRESS. RELIEF VALVE
V10	CARGO HDR PRESS. RELIEF VALVE
V11	CARGO HDR LOADING VALVE
PG	PRESS GAUGE

SPECIAL FEATURES

- CARGO PUMP : BRYAN JACKSON
MODEL 12S16CHC
AWARILLO GEAR 1:1 RATIO
2800 GPM, 237' TDH
207 H.P.
- CARGO PUMP ENGINE: DETROIT DIESEL
MODEL 8V-71 NA

BARGE INFORMATION

HULL NO. 4333
 NAME : CBC 333
 OFFICIAL NO.: D1075922
 YEAR BUILT: 1999
 HULL TYPE: II
 CARGO GRADE A & LOWER
 SUBCHAPTER "D" PRODUCTS

TO LOAD

OPEN: V1,V9,V11
 CLOSE V5 AND V3
 OPEN: V4 TO DOCK

TO PUMP

OPEN: V9,V5 AND V3
 CLOSE: V11
 OPEN: V4 TO DOCK
 OPEN: V8 IF NECESSARY

TERRY MARINE PRODUCTS, INC.
 1000 W. 10TH ST. SUITE 100
 DENVER, CO 80202
 TEL: 303-733-1111
 FAX: 303-733-1112

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CARGO PIPING SYSTEM DIAGRAM

SCALE:	DATE:	BY:	CHKD BY:
AS SHOWN:	07/1999
NO.:	REV.:	DATE:	BY:
...