



CARGO SYSTEM VALVES

- 1 PUMP SUCTION VALVE
- 2 PUMP DISCHARGE VALVE
- 3 PUMP DISCHARGE CHECK VALVE
- 4 PRESSURE RELIEF VALVE
- 5 CARGO FILL/LOAD VALVE
- 6 PORT & STBD. HEADER VALVES
- 7 HEADER BLOCK VALVE
- 8 #1 PORT CARGO FILL/SUCTION VALVE
- 9 #1 STBD. CARGO FILL/SUCTION VALVE
- 10 #2 PORT CARGO FILL/SUCTION VALVE
- 11 #2 STBD. CARGO FILL/SUCTION VALVE
- 12 #3 PORT CARGO FILL/SUCTION VALVE
- 13 #3 STBD. CARGO FILL/SUCTION VALVE
- 14 #1 PORT STRIPPING VALVE
- 15 #1 STBD. STRIPPING VALVE
- 16 #2 PORT STRIPPING VALVE
- 17 #2 STBD. STRIPPING VALVE
- 18 #3 PORT STRIPPING VALVE
- 19 #3 STBD. STRIPPING VALVE
- PU PUMP

TANK VOL. 100% FULL

TANK	GAL.	BBL.	CU. FT.
1P	223,396	5318.95	29,863.77
1S	223,396	5318.95	29,863.77
2P	217,317	5174.21	29,051.13
2S	217,317	5174.21	29,051.13
3P	208,467	4,963.50	27,868.05
3S	208,467	4,963.50	27,868.05
TOTAL	1,298,360	30,913.32	173,565.90
		98% FULL	30,295.05

CAPACITIES—SHORT TONS AT VARIOUS DRAFTS

DRAFT (FT)	TANK NUMBER				
	TOTAL (S.T.)	1 P/S (S.T.)	2 P/S (S.T.)	3 P/S (S.T.)	3 S/S (S.T.)
2.50	287.06	56.26	51.28	149.52	
3.00	484.41	133.68	124.29	226.44	
3.50	713.40	212.57	198.73	302.10	
4.00	944.02	292.93	274.62	376.47	
4.50	1175.94	374.36	351.55	450.03	
5.00	1409.30	457.18	429.85	522.27	
5.50	1644.07	541.18	509.29	593.60	
6.00	1880.95	626.31	589.84	663.89	
6.50	2117.14	712.50	671.43	733.21	
7.00	2355.35	799.69	754.00	801.65	
7.50	2594.69	887.85	837.52	869.32	
8.00	2835.14	977.20	922.20	935.74	
8.50	3076.70	1067.44	1007.75	1001.51	
9.00	3319.17	1158.61	1094.22	1066.34	
9.50	3562.47	1250.49	1181.38	1130.61	
10.00	3806.62	1343.21	1269.36	1194.05	
10.50	4051.61	1436.74	1358.14	1256.73	
11.00	4297.44	1531.06	1447.70	1318.68	
11.50	4544.10	1626.15	1538.00	1379.96	
MAX CAPACITY - BBL (100%)					
25,940.27		9,282.97 8,779.76 7,877.58			
MAX CAPACITY - CU. FT. (100%)					
145,644.23		52,120.19 49,294.87 44,229.46			

SPECIAL FEATURES

1. CARGO PUMP: BYRON JACKSON MODEL 11LS14QH-3 AMARILLO GEAR 1-1 RATIO 2100 GPM, 253' TDH @ 192 H.P.
2. CARGO PUMP ENGINE: DETROIT DIESEL MODEL 1063-7000.

BARGE INFORMATION

HULL NO. 4374
 NAME: CBC 301
 OFFICIAL NO. 1102352
 YEAR BUILT: 2001
 HULL TYPE: II
 CARGO GRADE: 1 & LOWER
 SUBCHAPTER "D" PRODUCTS.

VAPOR SYSTEM:

- V1 VAPOR STACK VALVE
- V2 PRESS./VACCUUM VALVE
- V3 VENT STACK
- V4 RAIN CAP
- V5 VAPOR SWIVEL JOINT
- V6 VAPOR HEADER VALVE

CARGO LOADING:

A OPEN VALVES NO. 5,6,7,8,9,10,11,12 & 13
 B CLOSE VALVES NO. 1 & 2
 C VENT TANKS

CARGO DISCHARGE

A OPEN VALVES NO. 1,2,6,7,8,9,10,11,12 & 13
 B CLOSE VALVES NO. 5
 C VENT TANKS

REVISIONS

NO.	DATE	DESCRIPTION
3	5/7/01	ADDED DEADWEIGHT INFORMATION
2	1/7/01	ADDED SERVICE AND T.L. NAME/SUBM. STATUS
1	1/7/01	REVISED WORK ORDER AND BT-FASS PRINTS

TELETYPE MESSAGE PRODUCTIONS, INC.
 297'-6" X 54'-0" X 12'-0" DOUBLE SKIN TANK BARGE
 CARGO PIPING DIAGRAM &
 VAPOR SYSTEM DIAGRAM

SCALE: 1/8"=1'-0" DATE: 12/2/00
 DRAWING NO.: 90045
 SHEET NO.: P-1 OF 1
 HULL NO.: 4374
 SHEET OWNER: