Voyage No: 001 **Vessel: M/T ELKA GLORY**

From: FAZENDINHA, BR **To: HOUSTON, USA**

A. Sailing plan from berth to dropping off Pilot

A	BERTH NAME OR LOCATION **MACAPA ANCHORAGE #3**	
B	E.T.D. **18/06/2015 01:00 LT**	
C	DISTANCE FROM BERTH TO PILOT DROP OFF AND POSITION **N/A**	
D	DATE/TIME PILOT IS EXPECTED ONBOARD **N/A**	
E	PORT PLAN CHART No. **BR 242**	
F	PILOTS STATION VHF CHANNEL **16, 11**	
G	PORT CONTROL VHF CHANNEL **16**	
H	TUG BOAT VHF CHANNEL **16**	
I	AGENT VHF CHANNEL **16**	
J	GUIDE TO PORT ENTRY USED?	☑
K	IS VESSEL SUPPLIED WITH ADEQUATE BUNKERS PROVISIONS, WATER ETC. PLUS NOMINAL SAFETY MARGIN FOR THE VOYAGE DURATION?	☑
L	IS VSL EQUIPPED WITH ALL NECESSARY CHARTS, WEATHER & TIDAL CHARTS, SAILING DIRECTIONS, PUBLICATIONS ETC?	☑
M	ARE THE ABOVE UPDATED? WK 24/2015	☑
N	ARE ALL NAVIGATION INSTRUMENTS IN GOOD OPERABLE CONDITION?	☑
O	HAVE THE APPROPRIATE CHECKS BEEN CARRIED OUT AND PRESAILING CHECK LIST COMPLETED?	☑
P	**HAVE FOLLOWING FACTORS/ELEMENTS BEEN PROPERLY CONSIDERED WHILE ROUTE PLANNING?**	☑
Pa	VSL'S DRAFT, UNDER KEEL, CLEARANCE & SQUAT	☑
Pb	TIDAL STEAM & CURRENTS	☑
Pc	RESTRICTED VISIBILITY AND TRAFFIC CONGESTION	☑
Pd	POSSIBILITY OF HEAVY SEA	☑
Pe	REEFS, DANGEROUS AREAS MARKED ON CHARTS	☑
Q	**ARE FOLLOWING CLEARLY MARKED ON CHARTS & STATED ON ATTACHED SAILING PLAN SUMMARY?**	☑
Qa	CLEARANCE FROM LAND. SHOALS AND ALL OTHER PORT/HARBOR DANGERS	☑
Qb	LAND-MARKS/CHANNEL BUOYS/NARROWS/WRECKS	☑
Qc	PARALLEL INDEX PLOTTING	☑
Qd	EMERGENCY ANCHORAGE POSITION	☑
Qe	HAS ABORT POINT BEEN DEFINED	☑

Prepared by: Navigation Officer **VRETTOS I.**

Acknowledgement by: 2nd Officers / Chief Officer **KRITIKOS D. / SAVVIDIS A. / SPONTIS M.**

Approved by: Master **GIANNISIS IOAKEIM**

EUROPEAN PRODUCT CARRIERS LTD.	VOYAGE PLANNING RECORD LOG

Voyage No: 001 **Vessel: M/T ELKA GLORY**

From: FAZENDINHA, BR **To: HOUSTON, USA**

B. Pilotage - out bound

JETTY NAME					
DATE				DW / MAX DRAFT	24898 MT / 8.3 m
Actual passed Time	Planning / Passed Time	ALTER COURSE TO:	Minimum U.K.C Mtrs	Distance of Land Mark	REMARKS
					Pilots disembarked at Fazendinha P/S upon arrival at the anchorage (Previous voyage: Houston-Fazendinha)
				TOTAL MILES	APPROXIMATE STEAMING TIME

Abort Position N/A

Pilot's Disembarkation Position : Lat: 08 04.0 S Long: 051 06.0 W (FAZENDINHA PILOT STATION)

TIDE INFORMATION			OTHER CHECK LISTS ATTACHED	
TIME	HEIGHT	NOTE	1	PLS. SEE
			2	PRE DEPARTURE CHECKLIST
			3	STEERING GEAR CHECKLIST
			4	PILOT CARD
			5	
			6	
			7	
			8	

Position Fixing Frequency: 3 **Minutes**

Prepared by: Navigation Officer **VRETTOS I.**

Acknowledgement by: 2nd Officers / Chief Officer **KRITIKOS D. / SAVVIDIS A. / SPONTIS M.**

Approved by: Master **GIANNISIS IOAKEIM**

Voyage No: 001 **Vessel: M/T ELKA GLORY**

From: FAZENDINHA, BR **To: HOUSTON, USA**

C. Sea Passage plan form Pilot to Pilot

DISTANCE PILOT TO PILOT **3375 NM (FAZENDINHA P/S TO GALVESTON P/S)**
VOYAGE SPEED **13.5 KNOTS**
VOYAGE DURATION **10 DAYS 8 HOURS**
DATE/TIME OF DEPARTURE (FULL AWAY) **18/06/2015 01:00 LT**
E.T.A. (END OF PASSAGE) **28/06/2015 12:00 LT**
SAILING PORT DRAFT **FWD: 6.5 m MID: 7.25 m AFT: 8 m**
ARRIVAL PORT DRAFT **FWD: 6.5 m MID: 7.25 m AFT: 8 m**
LADEN/IN BALLAST **BALLAST**
SQUAT **1.38 m**
DEPARTURE ZONE TIME **-3 HOURS**
ARRIVAL ZONE TIME **-5 HOURS**

W/P No.	Latitude	Longitude	Distance to next W/P	Minimum U.K.C mtrs	ETA (GMT)	Course	Pos. Fix Frequency	Pos. Fix Methods	Landmarks Remarks
1.	00 04.00 S	051 06.00 W	3.4	6.9	18/06/2015 04:00	054	6-10 MINS	GPS/RADAR/ VISUAL	FAZENDINHA P/S
2.	00 02.00 S	051 03.30 W	9.5	8.9	18/06/2015 04:15	028	6-10 MINS	GPS/RADAR/ VISUAL	SANTANA
3.	00 08.40 N	050 58.80 W	5.9	4.4	18/06/2015 04:57	058	6-10 MINS	GPS/RADAR/ VISUAL	BANCO DA CASCALEIRA
4.	00 09.70 N	050 54.00 W	7.9	13.5	18/06/2015 05:23	084	6-10 MINS	GPS/RADAR/ VISUAL	BAN DA MADEIRA
5.	00 10.50 N	050 46.20 W	17.5	4.6	18/06/2015 06:36	061	6-10 MINS	GPS/RADAR/ VISUAL	ILHA DO CARA
6.	00 19.00 N	050 31.00 W	8.1	9.6	18/06/2015 07:18	030	6-10 MINS	GPS/RADAR/ VISUAL	PONTA DO PAU CAVADO
7.	00 26.00 N	050 27.00 W	11.2	11.6	18/06/2015 07:52	010	6-10 MINS	GPS/RADAR/ VISUAL	ILHA CAVERNA DE DENDRO
8.	00 37.00 N	050 25.00 W	6.9	14.6	18/06/2015 08:42	047	6-10 MINS	GPS/RADAR/ VISUAL	RIO AGUITUBA
9.	00 41.70 N	050 20.00 W	15.5	14.6	18/06/2015 09:12	078	6-10 MINS	GPS/RADAR/ VISUAL	PONTA DO CAPINAL
10.	00 45.00 N	050 05.00 W	21.5	13	18/06/2015 10:21	059	6-10 MINS	GPS/RADAR/ VISUAL	PONTA DO CURUA
11.	00 56.00 N	049 46.60 W	12.8	11.1	18/06/2015 11:37	046	6-10 MINS	GPS/RADAR/ VISUAL	PONTA DO CEU
12.	01 05.00 N	049 37.50 W	23.1	7.4	18/06/2015 12:54	050	6-10 MINS	GPS/RADAR/ VISUAL	BANCO DO RIO BRANCO
13.	01 20.00 N	049 20.00 W	16	3.7	18/06/2015 14:35	064	6-10 MINS	GPS/RADAR/ VISUAL	ENTRANCE OF BARRA NORTE
14.	01 27.00 N	049 05.70 W	5.7	4.5	18/06/2015 14:48	093	6-10 MINS	GPS/RADAR/ VISUAL	PASSING BARRA NORTE
15.	01 27.00 N	049 00.00 W	16.4	5.0	18/06/2015 16:03	038	15 MINS	GPS/CELESTIAL NAVIGATION	EXIT OF BARRA NORTE
16.	01 40.00 N	048 50.00 W	20	6.6	18/06/2015 17:00	000	15 MINS	GPS/CELESTIAL NAVIGATION	CABO NORTE
17.	02 00.00 N	048 50.00 W	252.7	9.1	18/06/2015 18:29	326	1 HOUR	GPS/CELESTIAL NAVIGATION	ILHA DE MARACA
18.	05 30.00 N	051 10.00 W	663.5	53.6	19/06/2015 13:12	303	1 HOUR	GPS/CELESTIAL NAVIGATION	PASSING FRENCH GUIANA
19.	11 30.00 N	060 30.00 W	90.9	19	21/06/2015 14:21	263	1 HOUR	GPS/CELESTIAL NAVIGATION	NORTH OF TOBAGO
20.	11 50.00 N	062 00.00 W	697.1	>500	21/06/2015 21:05	298	1 HOUR	GPS/CELESTIAL NAVIGATION	SOUTH OF WINDWARD ISLANDS
21.	18 24.00 N	075 50.00 W	208.7	>300	24/06/2015 15:32	297	1 HOUR	GPS/CELESTIAL NAVIGATION	NORTH OF JAMAICA
22.	20 00.00 N	079 05.00 W	371.1	>500	25/06/2015 07:00	292	1 HOUR	GPS/CELESTIAL NAVIGATION	SOUTH OF CUBA
23.	21 20.00 N	085 30.00 W	550.4	>500	26/06/2015 10:29	315	1 HOUR	GPS/CELESTIAL NAVIGATION	CABO DE SANTO ANTONIO
24.	27 51.00 N	092 34.00 W	27.7	76.6	28/06/2015 03:16	323	6-10 MINS	GPS/RADAR/ VISUAL	ENTRANCE OF SAFETY FARWAY
25.	28 13.00 N	092 53.00 W	111.6	74.7	28/06/2015 05:19	306	6-10 MINS	GPS/RADAR/ VISUAL	PASSING SAFETY FARWAY
26.	29 18.00 N	094 36.00 W	-	49.1	28/06/2015 13:30	-	6-10 MINS	GPS/RADAR/ VISUAL	GALVESTON P/S
		TOTAL DISTANCE 3375 NM							

Position Fixing Frequency:

a) In open Sea No more than 1 hour *b) In restricted Water No more than* 6 minutes *c) In Coastal Waters No more than* 15 minutes

Note: Nevertheless, in the time periods described above, the fixing should be at a time period such that it is not possible for a ship to get into danger between fixes.

Prepared by: Navigation Officer **VRETTOS I.**

Acknowledgement by: 2nd Officers / Chief Officer **KRITIKOS D. / SAVVIDIS A. / SPONTIS M.**

Approved by: Master **GIANNISIS IOAKEIM**

EUROPEAN PRODUCT CARRIERS LTD.	VOYAGE PLANNING RECORD LOG

Voyage No: 001 **Vessel: M/T ELKA GLORY**

From: FAZENDINHA, BR **To: HOUSTON, USA**

D. Transit Pilotage (If Applicable – For example transiting Panama, Singapore, Bosporus etc.)

Location / Channel / Passage			Arrival Date /Time
Pilot Boarding Position			Pilots VHF Channel
Arrival Draft	Fore:	Aft:	VTS / Port Control VHF Ch.:
Abort Position			
Emergency Anchorage			

W/P No.	Latitude	Longitude	Distance to next W/P	Minimum U.K.C mtrs	ETA	Course	Pos. Fix Frequency	Pos. Fix Methods	Landmarks Remarks
27.									
28.									
29.									
30.									
31.									
32.									
33.								Pilots disembarked	
34.								at Fazendinha P/S	
35.								upon arrival at the	
36.								Anchorage (previous	
37.								voyage Offshore Brazil)	
38.									
39.									
40.									
41.									
42.									
43.									
44.									
45.									
46.									
47.									
48.									
49.									
		Total Distance							

Pilot's Disembarkation Position : Lat: Long

TIDE INFORMATION			OTHER CHECK LISTS ATTACHED	
TIME	HEIGHT	NOTE	1	
			2	
			3	
			4	
			5	
			6	
			7	

Prepared by: Navigation Officer VRETTOS I.

Acknowledgement by: 2nd Officers / Chief Officer KRITIKOS D. / SAVVIDIS A. / SPONTIS M.

Approved by: Master GIANNISIS IOAKEIM

Voyage No: 001 Vessel: M/T ELKA GLORY

From: FAZENDINHA, BR To: HOUSTON, USA

E. Arrival Plan from end of sea passage to berth

A. Approach Chart No. BA 3183, 3186, 3187, 3188		
B. Arrival Draft FWD: 6.5 m MID: 7.25 m AFT: 8.0 m		
C. Emergency Anchorage LAT : 29 03.00 N LONG : 094 05.00 W (OUER) / LAT: 29 13.00 N LONG: 094 22.00 W (INNER)		
D. Abort Point LAT : 27 51.00 N LONG : 092 34.00 W		
E. Pilots Station VHF Channel 16, 14, 74		
F. Port Control VHF Channel 16, 11, 12, 13		
G. Tug Boat VHF Channel 14		
H. Agent VHF Channel 16		
I. Berth Name or Location HOUSTON OIL TERMINALS		
J. Distance from end of sea passage to anchorage		
K. ETA		
L. Estimated Date/Time Anchoring		
M.	GUIDE TO PORT ENTRY USED?	☑
N.	PRE - ARRIVAL CHECK LIST COMPLETED?	☑
O.	PILOT CARD COMPLETED?	☑
P.	REEFS/DANGEROUS AREAS MARKED ON CHART?	☑
Q.	ARE ALL NAVIGATION INSTRUMENTS IN GOOD OPERABLE CONDITION?	☑
R.	HAVE FOLLOWING FACTORS/ELEMENTS BEEN PROPERLY CONSIDERED WHILE PLANNING BERTHING?	
	a. VESSEL DRAFT UNDERKEEL CLEARANCE & SQUAT	
	b. TIDAL STREAM & CURRENTS	
	c. RESTRICTED VISIBILITY AND TRAFFIC CONGESTION	☑
	d. POTENTIAL MACHINERY BREAKDOWN	
	e. CLEARANCE FROM LAND SHOALS AND ALL OTHER PORT/HARBOUR DANGERS	
	f. LAND MARKS/CHANNEL BUOYS/NARROWS/WRECKS	
	g. PARALLEL INDEX PLOTTING	

Prepared by: Navigation Officer VRETTOS I.

Acknowledgement by: 2nd Officers / Chief Officer KRITIKOS D. / SAVVIDIS A. / SPONTIS M.

Approved by: Master GIANNISIS IOAKEIM

Voyage No: 001 **Vessel: M/T ELKA GLORY**

From: FAZENDINHA, BR **To: HOUSTON, USA**

NAVIGATION AIDS USED OR MATTERS TAKEN INTO CONSIDERATION GENERAL INFORMATION & DANGERS POINTS

a.	**CHARTS No. TO BE USED:** *List also the number of all T& P notices which, are applicable and affect the voyage Charts and were plotted on them accordingly*	BA GENERAL CHARTS: 4400, 4401, 4402, 4216 BR CHARTS: 242, 220, 202, 201, 210 BA CHARTS: 3962, 520, 517, 597, 1044, 1966, 486, 3936, 255, 3866, 3867, 2579, 3850, 3854, 3183, 3186, 3187, 3188 T&P's : Brazilian T&P's on Brazilian Charts, 486 4257(P)13, 820 2923(T)15, 1044 329(T)11, 330(T)11, 331(T)11, 4401 4257(P)13
b.	**ADMIRALTY SAILING DIRECTIONS (PILOTS) TO BE USED:** *List also the number of all T& P notices which, are applicable and affect these NPs and were plotted on them accordingly*	***ADMIRALTY SAILING DIRECTIONS*** ***NP 5, NP 7A, NP 69, NP 69A, NP 70, NP 71*** **T&P's:** Due to the large number of T&P's applicable for the above publications a folder is maintained next to them with all the corrections plotted on them, for immediate use.
c.	**RADIO SIGNALS VOL TO BE USED:**	***NP 286(7), NP 286 (5), NP 281 (2), NP 285, NP 282***
d.	**LIST OF LIGHTS TO BE USED**	***NP 80 VOL G, NP 82 VOL J***
e.	**WEATHER CHARTS No. TO BE USED**	***5125 (6)***
f.	**REEFS MARKED/SHALLOW WATERS MENTION POSITION IF ANY)**	***REEFS AND SHALLOW WATERS MARKED ON LARGE SCALE CHARTS AS "NO GO AREAS"***
g.	**PIRACY AREAS MARKED: (MENTION POSITION IF ANY)**	***N/A***
h.	**HEAVY TRAFFIC AREAS MARKED. (MENTION POSITION IF ANY)**	***N/A***
i.	**VESSEL REPORTING SYSTEM : (MENTION COASTAL STATION AND REPORTING PROCEDURES)**	***SISTRAM (BRAZIL) – Inmarsat-C message*** ***SURNAV (FRENCH GUIANA) –Inmarsat-C message*** ***AMVER – Inmarsat-C message***
j.	**VESSEL TRAFFIC SERVICES : (MENTION SHORE STATION, REPORTING VHP CHANNEL AND REPORTING PROCEDURES)**	***HOUSTON PORT CONTROL SECTOR 1, SECTOR 2*** ***VHF Ch. 12 for sector 1*** ***VHF Ch.11 for sector 2*** ***For details see NP 286 (5) pages 228-233***
k.	**DANGER POINTS-BRIDGE AND AIRDRAFTS-TIDES-DEPTHS-CURRENTS E.T.C.:**	**BARRA NORTE: CRITICAL AREA** DO NOT ENTER THE PASSAGE DURING LW - TIDE CALCULATION: 4 HOURS BEFORE HW AT PONTA DO CEU FORMIGAS BANK (BETWEEN CUBA AND JAMAICA) KEEP A SHARP LOOKOUT FOR OILFIELDS AND PLATFORMS WHILE NAVIGATING IN GULF OF MEXICO VICINITY
l.	**TIDE TABLES USED:**	***ATT NP 202 VOL 2 2015***
m.	**OTHERS VARIOUS REMARKS:**	***NP 100, NP 136, GUIDE TO PORT ENTRY***

Prepared by: Navigation Officer **VRETTOS I.**

Acknowledgement by: 2nd Officers / Chief Officer **KRITIKOS D. / SAVVIDIS A. / SPONTIS M.**

Approved by: Master **GIANNISIS IOAKEIM**

Voyage No: 001 Vessel: M/T ELKA GLORY

From: FAZENDINHA, BR To: HOUSTON, USA

G. Pilotage - In bound

JETTY NAME	HOUSTON OIL TERMINALS				
DATE			DW / MAX. DRAFT	20955 MT / 8.0 m	
ACTUAL PASSED TIME	Planning / Passed Time	ALTER COURSE TO:	Minimum U.K.C mtrs	Distance (NM)	Land Mark / REMARKS
		286		-	GALVESTON P/S
		300		-	GALVESTON BAY. ENTRANCE
		283		-	OUTER BAR CH. ENTRANCE
		266		-	INNER BAR CH. ENTRANCE
		295		-	BOLIVAR ROADS CH. ENTRANCE
		318		-	HOUSTON SHIP CHANNEL
		336		8.20	RED FISH BAR
		326		8.30	FIVE MILE CUT
		342		4.80	BARBOUR'S CUT
		326		0.30	HOG ISLAND
		313		0.90	NORTH OF HOG ISLAND
		288		0.50	ABEAM SPILMAN'S ISLAND
		277		0.40	BLACKSWELL PENINSULA
		317		0.50	UPPER JACINTO BAY
		000		0.70	ABEAM ALEXANDER ISLAND
		344		0.30	ABEAM EXXON OIL TERMINAL
		318		0.40	MITCHELL BAY
		277		1.00	ABEAM GOAT ISLAND
		303		0.70	SANTA ANNA BAYOU
		335		-	CRYSTAL BAY
		325		-	BURNET BAY
		304		0.40	LYNCHBURG LANDING
		283		-	BARGE FLEET AREA
		249		-	FOUL AREA
		211		-	SECURITY ZONE
		227		0.70	ABEAM PORT JAVINTO
		246		1.20	SHELL OIL COPANY EDGE
		276		1.20	BOGGY BAYOU EDGE
		293		0.30	NORTH OF BOGGY BAYOU
		313		0.50	EAST OF GREEN'S BAYOU
		296		-	GREEN BAYOU'S ENTRANCE
		277		0.30	TODD SHIPYARD
		260		030	PHILIP'S CHEMICAL TERMINAL
		265		0.40	ABEAM ARMCO STEEL
		247		0.30	NORSWORTHY

Prepared by: Navigation Officer VRETTOS I.

Acknowledgement by: 2nd Officers / Chief Officer KRITIKOS D. / SAVVIDIS A. / SPONTIS M.

Approved by: Master GIANNISIS IOAKEIM

Voyage No: 001 **Vessel: M/T ELKA GLORY**

From: FAZENDINHA, BR **To: HOUSTON, USA**

F. E.O.S.P - Anchorage

Anchorage Area Name		FAIRWAY ANCHORAGES			
DATE				DW / MAX. DRAFT	20955 MT / 8.0 m
LATITUDE	LONGITUDE	ALTER COURSE TO:	Minimum U.K.C mtrs	Distance	Land Mark / REMARKS
				TOTAL MILES -	APPROXIMATE STEAMING TIME -

Abort Position LAT : 27 51.00 N LONG : 092 34.00 W

Emergency Anchorage LAT : 29 03.00 N LONG : 094 03.00 W (OUER) / LAT: 29 13.00 N LONG: 094 22.00 W (INNER)

Position Fixing Frequency **0-6 MINS**

TIDE INFORMATION			OTHER CHECK LISTS ATTACHED	
TIME	HEIGHT	NOTE	1	PLS. SEE
			2	PRE ARRIVAL CHECKLIST
			3	STEERING GEAR CHECKLIST
			4	
			5	
			6	
			7	
			8	

Prepared by: Navigation Officer **VRETTOS I.**

Acknowledgement by: 2nd Officers / Chief Officer **KRITIKOS D. / SAVVIDIS A. / SPONTIS M.**

Approved by: Master **GIANNISIS IOAKEIM**

Voyage No: 001 **Vessel: M/T ELKA GLORY**

From: FAZENDINHA, BR **To: HOUSTON, USA**

G. Pilotage - In bound

JETTY NAME	HOUSTON OIL TERMINALS				
DATE			DW / MAX. DRAFT	20955 MT / 8.0 m	
ACTUAL PASSED TIME	Planning / Passed Time	ALTER COURSE TO:	Minimum U.K.C mtrs	Distance	Land Mark / REMARKS
		245		0.40	OLIN MATHESON
		227		0.30	HUNTING BAYOU
		209		0.30	PASADENA EDGE
		206		0.30	CROWN CENTRAL
		237		0.30	THE CHAMPION PAPER
		266		0.30	VINCE BAYOU
		285		0.05	GALENA PARK EDGE
		250		-	TURNING POINT
				TOTAL MILES 50.4	APPROXIMATE STEAMING TIME 7 HOURS

Abort Position LAT : 27 51.00 N LONG : 092 34.00 W

Emergency Anchorage LAT : 29 03.00 N LONG : 094 05.00 W (OUER) / LAT: 29 13.00 N LONG: 094 22.00 W (INNER)

Position Fixing Frequency During Pilotage **3 MINS**

TIDE INFORMATION			OTHER CHECK LISTS ATTACHED	
TIME	HEIGHT	NOTE	1	PLS. SEE
			2	PRE ARRIVAL CHECKLIST
			3	STEERING GEAR CHECKLIST
			4	PILOT CARD
			5	
			6	
			7	
			8	

Prepared by: Navigation Officer **VRETTOS I.**

Acknowledgement by: 2nd Officers / Chief Officer **KRITIKOS D. / SAVVIDIS A. / SPONTIS M.**

Approved by: Master **GIANNISIS IOAKEIM**

Voyage No: 001 **Vessel: M/T ELKA GLORY**

From: FAZENDINHA, BR **To: HOUSTON, USA**

Parallel Indexing Information

Target	BR 220 ILHA DO CARAS
Minimum Distance	7.6 NM
Target	BR 220-PONTA DO PAU CAVADO
Minimum Distance	0.8 NM
Target	BR 220 ILHAS PETRAIRA
Minimum Distance	1.5 NM
Target	BR 220-ESPIRITO SANTO
Minimum Distance	2.2 NM
Target	BR 220-PONTA DO CAPINAL
Minimum Distance	2 NM
Target	BR 202-ILHA BRAGANCA
Minimum Distance	3.0 NM
Target	BR202 PONTA DO LIMAO
Minimum Distance	0.8 NM
Target	BR 202-PONTA DO SANTAREM
Minimum Distance	6.2 NM
Target	BR 201, 202-PONTA DO CEU
Minimum Distance	1.3 NM
Target	BR 201-ILHA DO PARA
Minimum Distance	3.5 NM
Target	BA 3183-NORTH JETTY POINT
Minimum Distance	0.54 NM
Target	BA 3183-SOUTH JETTY POINT
Minimum Distance	0.71 NM
Target	BA 3183-NORTH JETTY EDGE
Minimum Distance	0.35 NM
Target	BA 3183-BIG REEF
Minimum Distance	0.46 NM
Target	BA 3183-FORT POINT
Minimum Distance	0.30 NM
Target	BA 3183-FORT TRAVIS
Minimum Distance	1.13 NM
Target	BA 3183-FORT BOLIVAR JETTY
Minimum Distance	0.60 NM
Target	BA 3186-TEXAS CITY OUTER RANGE POINT
Minimum Distance	0.38 NM
Target	BA 3186-FIVE MILE CUT ISLAND
Minimum Distance	0.18 NM
Target	BA 3186-ATKINSON ISLAND SOUTH POINT
Minimum Distance	0.23 NM

Prepared by: Navigation Officer **VRETTOS I.**

Acknowledgement by: 2nd Officers / Chief Officer **KRIMIKOS D. / SAVVIDIS A. / SPONTIS M.**

Approved by: Master **GIANNISIS IOAKEIM**

Voyage No: 001 **Vessel: M/T ELKA GLORY**

From: FAZENDINHA, BR **To: HOUSTON, USA**

Parallel Indexing Information

Target	BA 3186-ATKINSON SW EDGE
Minimum Distance	0.20 NM
Target	BA 3187-BARBOUR'S CUT
Minimum Distance	0.20 NM
Target	BA 3187-SPILMAN'S ILSAND NE EDGE
Minimum Distance	0.18 NM
Target	BA 3187-ALEXANDER ISLAND E EDGE
Minimum Distance	0.20 NM
Target	BA 3187-SAN JACINTO STATE PARK E POINT
Minimum Distance	0.15 NM
Target	BA 3187-SAN JACINTO STATE PARK NNE EDGE
Minimum Distance	0.18 NM
Target	BA 3188-INTERCONTINENTAL TERMINALS
Minimum Distance	0.09 NM
Target	BA 3188-BOGGY BAYOU EDGE
Minimum Distance	0.07 NM
Target	BA 3188-GALENA PARK EDGE
Minimum Distance	0.05 NM
Target	
Minimum Distance	
Target	
Minimum Distance	
Target	
Minimum Distance	
Target	
Minimum Distance	
Target	
Minimum Distance	
Target	
Minimum Distance	
Target	
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Target	
Minimum Distance	
Target	
Minimum Distance	
Target	
Minimum Distance	
Target	
Minimum Distance	

Prepared by: Navigation Officer VRETTOS I.

Acknowledgement by: 2nd Officers / Chief Officer KRITIKOS D. / SAVVIDIS A. / SPONTIS M.

Approved by: Master GIANNISIS IOAKEIM

EUROPEAN PRODUCT CARRIERS LTD.	VOYAGE PLANNING RECORD LOG

Voyage No: 001	Vessel: M/T ELKA GLORY
From: FAZENDINHA, BR	To: HOUSTON, USA

UNDER KEEL CLEARANCE CALCULATION BARRA NORTE

Anticipated Controlling Depth

A	Water Depth (Chart Datum)	(mtrs)	8.4
B	Tide correction	(mtrs)	(H.W) 4.2
C	Sea State (such as waves etc.) correction	(mtrs)	-
D	Other (Specify)	(mtrs)	-
T1	Clear Controlling Depth (A+B+C+D)	(mtrs)	12.6

Squat Calculation

1	Vessel's Ground Speed	(kts)	11
2	Water Density Allowance	(mtrs)	-
3	Block Coefficient		0.75505
4	Squat (Confined Water) 7.5 kts	(mtrs)	0.85
5	Squad (Open Water) 13.5 / 11 kts	(mtrs)	1.38 / 0.91

→ actual speed during passage: 10.8 knots

Deepest Navigational Draft

E	Vessel's Deepest Draft	(mtrs)	8
F	List correction	(mtrs)	-
G	Squat 11 knots	(mtrs)	0.91
H	Other (Specify)	(mtrs)	-
T2	Deepest Nav. Draft (E + F + G + H)	(mtrs)	8.91

Anticipated Minimum Under Keel Clearance (U.K.C)

T1	Controlling Depth	(mtrs)	12.6
T2	Deepest Nav. Draft	(mtrs)	8.91
T3	UKC (T1 – T2)	(mtrs)	3.69

→ actual min UKC during passage: 5.4 m

$$\text{Squat} = \frac{2 \times V^2 \times C_b}{100} \quad \text{(Confined Water)}$$

$$\text{Squat} = \frac{1 \times V^2 \times C_b}{100} \quad \text{(Open Water)}$$

V = Vessel's Speed C_b = Block Coefficient (from hydrostatic curves or tables)

$C_b > 0.700$ Max. Squating by head $C_b < 0.700$ Max. Squating by stern $C_b = 0.700$ Equal Squating Fore and Aft

Publications Used:	PLS. SEE PAGE 5	Charts:	BR 210
Tite & current tables:	ATT 202 VOL.2 2015	Other:	GUIDE TO PORT ENTRY, NP 100, NP 5 (For reference only)

Prepared by: (Nav.Officer)	Name: VRETTOS IOANNIS	Signature:
Acknowledged by: Deck/Off	Name: KRITIKOS DIMITRIOS	Signature:
Acknowledged by: Deck/Off	Name: SAVVIDIS ATHANASIOS	Signature:
Acknowledged by: Chief Officer	Name: SPONTIS MICHAIL	Signature:
Approved by : Master	Name: GIANNISIS IOAKEIM	Signature:

Pilot's Name:	Signature:

Note 1: As the minimum UKC must always be calculated for various conditions linked to the vessel's speed during navigation in OPEN and/or CONFINED waters, more pages of "UKC calculation" must be utilised and attached to the passage plan.

Note 2: It is strongly suggested the calculation of the UKC to be carried out based on the maximum permissible speed in "Confined area" transit and on the lowest depth.

EUROPEAN PRODUCT CARRIERS LTD.	VOYAGE PLANNING RECORD LOG

Voyage No: 043 CT-L	Vessel: M/T ELKA GLORY
From: FORTALEZA	To: MANAUS

UNDER KEEL CLEARANCE CALCULATION PILOTAGE INBOUND

Anticipated Controlling Depth

A	Water Depth (Chart Datum)	(mtrs)	10.05
B	Tide correction	(mtrs)	
C	Sea State (such as waves etc.) correction	(mtrs)	-
D	Other (Specify)	(mtrs)	-
T1	Clear Controlling Depth (A+B+C+D)	(mtrs)	

Squat Calculation

1	Vessel's Ground Speed	(kts)	
2	Water Density Allowance	(mtrs)	-
3	Block Coefficient		0.75505
4	Squat (Confined Water) 7.5 kts	(mtrs)	0.85
5	Squat (Open Water) 13.5 kts	(mtrs)	1.38

Deepest Navigational Draft

E	Vessel's Deepest Draft	(mtrs)	8
F	List correction	(mtrs)	-
G	Squat knots	(mtrs)	
H	Other (Specify)	(mtrs)	-
T2	Deepest Nav. Draft (E + F + G + H)	(mtrs)	

Anticipated Minimum Under Keel Clearance (U.K.C)

T1	Controlling Depth	(mtrs)	
T2	Deepest Nav. Draft	(mtrs)	
T3	UKC (T1 – T2)	(mtrs)	

$$\text{Squat} = \frac{2 \times V^2 \times C_B}{100} \quad \text{(Confined Water)}$$

$$\text{Squat} = \frac{1 \times V^2 \times C_B}{100} \quad \text{(Open Water)}$$

V = Vessel's Speed C_B = Block Coefficient (from hydrostatic curves or tables)

C_B > 0.700 Max. Squating by head C_B < 0.700 Max. Squating by stern C_B = 0.700 Equal Squating Fore and Aft

Publications Used:	PLS. SEE PAGE 5	Charts:	BA 3183, 3186, 3187, 3188
Title & current tables:	ATT 202 VOL.2 2015	Other:	GUIDE TO PORT ENTRY, NP 100, NP 88,88A (For reference only)

Prepared by: (Nav.Officer)	Name: VRETTOS IOANNIS	Signature:
Acknowledged by: Deck Off	Name: KRITIKOS DIMITRIOS	Signature:
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Note 1: As the minimum UKC must always be calculated for various conditions linked to the vessel's speed during navigation in OPEN and/or CONFINED waters, more pages of "UKC calculation" must be utilized and attached to the passage plan.

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