NAV02 – PASSAGE PLAN (BERTH TO BERTH)

M.V. MT OVERSEAS ANTIGMAR **Voy No** 144I **Date** 15 December 2014

From Beaumont, Texas USA **To** Tuxpan, Mexico

Dep Draft: **F.** 10.8 Mtrs **A.** 10.8 Mtrs **M.** 10.8 Mtrs

Air Draft (m): **35.0 Mtrs**

Arr Draft **F.** 10.55 Mtrs **A.** 10.55 Mtrs **M.** 10.55 Mtrs

Air Draft (m): **35.25 Mtrs**

Total Distance Pilot to Pilot: 626 NM **N.M**

Charter Speed **12.5** **kts**

St. Times

@ 12.0 **kts** = **2 Days 04 Hrs 10 Mins**

@ 12.5 **kts** = **2 Days 02Hrs 05 mins**

@ 13.0 **kts** = **2 Days 00Hrs 09 mins**

Dep Time Zone GMT +/- **+ 6**

Arr Time Zone GMT +/- **+ 6**

Time Change **Hours**

Bunkers Required for Voyage	**F.O.**	**MT**	**D.O.**	**MT**	**LSFO**	**MT**	**LSMD/GO**	**MT**
Bunkers on Departure	**F.O.**	**MT**	**D.O.**	**MT**	**LSFO**	**MT**	**LSMD/GO**	**MT**
Bunkers to be taken on Voyage	**F.O.**	**MT**	**D.O.**	**MT**	**LSFO**	**MT**	**LSMD/GO**	**MT**

This Passage Plan has been prepared in accordance with the requirements of the Fleet Operating Procedures - Navigation

NAV 1 (Passage Plan Checklist) has been completed.

All voyage charts and publications have been corrected up to Week No 01/15

Charts Required

Tick indicates latest NTM and T&P plotted

Number	NTM	T&P
3192	5040	NIL
3854	5407	NIL
3850	5120	NIL
4401	4890	4257
1225	5096	nil
376	4189	NIL

Signature	**2/O Bartolo, J.**	**2nd Officer**	**Capt. Calixterio, R.**	**Master**
Watchkeepers	**C/O Semchuk, S.**	**3/O D. Dolo**	**3/O FD. Geducos**	

Berth to Berth Passage Plan (OUTBOUND BEAUMONT TO SABINE P/STN)

WP No.	Ref. Point Brg x Dist or Lat / Long	CTS °	Dist NM	Planned Speed (kts)	DTG NM	Position Fixing Method / Frequency	Min UKC (meters)	Bridge Status *	Manning Level	Charts
0	**EXXON MOBIL 4 DOCK** Lat. 30-04.66N Long. 094-01.08W				56	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.39	P / SBE / HS	4	3192
1	**OIL TANKING SOUTH DOCK** Lat. 30-04.66N Long. 094-03.91W	090	0.1	6	55.9	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
2	**OIL TANKING SOUTH DOCK** Lat. 30-04.51N Long. 094-03.53W	114	0.4	6	55.5	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
3	**OIL TANKING SOUTH DOCK** Lat. 30-03.87N Long. 094-02.28W	130	1.0	6	54.5	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
4	**OIL TANKING SOUTH DOCK** Lat. 30-03.75N Long. 094-02.28W	110	0.3	6	54.2	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
5	**OIL TANKING SOUTH DOCK** Lat. 30-03.59N Long. 094-01.99W	122	0.3	6	53.9	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
6	**OIL TANKING SOUTH DOCK** Lat. 30-03.39N Long. 094-01.82W	144	0.2	6	53.7	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
7	**OIL TANKING SOUTH DOCK** Lat. 30-03.15N Long. 094-01.70W	157	0.3	6	53.4	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
8	**OIL TANKING SOUTH DOCK** Lat. 30-02.86N Long. 094-01.7W	180	0.3	6	53.1	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
9	**OIL TANKING SOUTH DOCK** Lat. 30-02.06N Long. 094-01.96W	196	0.8	6	52.3	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192

1	**AMOCO WHARF** Lat. 30-01.81N Long. 094-01.94W	152	0.1	6	52.2	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
2	**BOUY PRIV 1** Lat.30-01.61N Long. 094-01.87W	163	0.2	6	52	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
3	**BOUY 42** Lat. 30-01.4N Long. 094-01.71W	147	0.2	6	51.8	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
4	**MC FADDEN** Lat.30-01.22N Long. 094-01.44W	127	0.3	6	51.5	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
5	**SMITH BLUFF** Lat. 30-00.53N Long. 093-58.99W	108	0.3	6	51.2	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
6	**MARSH** Lat. 30-00.54N Long. 093-58.7W	088	2.2	6	49	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
7	**RANGE T** Lat.30-00.59N Long. 093-58.48W	075	0.3	6	48.7	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
8	**GRAYS BAYOU** Lat. 30-00.83N Long. 093-57.9W	065	0.2	6	48.5	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
9	**BOUY 30** Lat. 30-00.82N Long. 093-57.65W	092	0.6	6	47.9	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
10	**BOUY 28** Lat. 30-00.66N Long. 093-57.43W	130	0.2	6	47.7	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
11	**BOUY 26A** Lat. 30-00.36N Long. 093-57.35W	165	0.2	6	47.5	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
12	**PLANT WHARF**	160	0.3	6	47.2	**Primary:** Visual / Radar **Secondary:**GPS	1.1	P / SBE / HS	4	3192

	Lat. 30-00.15N Long. 093-57.26W					**Frequency: 3-6** mins				
13	**BOUY 26** Lat. 29-59.92N Long. 093-57.04W	140	0.2	6	47	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
14	**NECHES RIVER WARF** Lat. 29-59.78N Long. 093-56.79W	123	0.3	6	46.7	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
15	**BOUY 22** Lat. 29-59.39N Long. 093-55.69W	112	0.3	6	46.4	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
16	**RAINBOW BRIDGE** Lat. 29-58.78N Long. 093-51.95W	101	1.0	6	45.4	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.1	P / SBE / HS	4	3192
17	**BOUY 7/6** Lat. 29-58.53N Long. 093-51.57W	127	3.3	7	41.7	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
18	**STEWTS ISLAND** Lat. 29-58.04N Long. 093-51.27W	152	0.4	7	41.3	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
19	**BOUY 62** Lat. 29-56.35N Long. 093-51.96W	200	0.6	7	40.7	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
20	**BOUY 58** Lat. 29-54.66N Long. 093-53.5W	218	1.8	7	38.9	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
21	**BOUY 56** Lat. 29-54.15N Long. 093-53.96W	218	2.2	7	36.7	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
22	**BOUY 54** Lat. 29-53.53N Long. 093-54.64W	223	0.6	7	36.1	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
23	**PIPELINE** Lat. 29-52.29N Long. 093-55.78W	218	0.9	7	35.2	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192

24	**RANGE H** Lat. 29-51.88N Long. 093-56.09W	213	1.6	7	33.6	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
25	**BOUY 51/52** Lat. 29-50.79N Long. 093-57.08W	217	0.5	7	33.1	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
26	**BOUY 50A** Lat. 29-50.35N Long. 093-57.2W	195	1.4	7	31.7	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
27	**BOUY 50** Lat. 29-49.85N Long. 093-57.28W	188	0.4	7	31.3	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
28	**OIL TANK** Lat. 29-49.51N Long. 093-57.46W	205	0.5	7	30.8	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
29	**BOUY 48** Lat. 29-49.04N Long. 093-57.54W	188	0.4	7	30.4	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
30	**BOUY 47/46** Lat. 29-46.94N Long. 093-56.75W	162	0.5	7	29.9	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
31	**BOUY 43** Lat. 29-46.53N Long. 093-56.37W	141	2.2	7	27.7	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
32	**SABINE LAKE** Lat. 29-46.27N Long. 093-55.97W	127	0.5	7	27.2	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
33	**BOUY 39** Lat. 29-45.35N Long. 093-53.31W	112	0.4	7	26.8	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
34	**BOUY 27** Lat. 29-41.36N Long. 093-50.22W	146	2.5	7	24.3	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
35	**SABINE PASS EAST JETTY**	168	4.8	7	19.5	**Primary:** Visual / Radar **Secondary:**GPS	1.13	P / SBE / HS	4	3192

	Lat. 29-38.66N Long. 093-49.54W					**Frequency: 3-6** mins				
36	**BOUY 29/30** Lat. 29-35.93N Long. 093-39.98W	158	2.8	7	16.7	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
37	**BOUY 7/8** Lat. 29-28.89N Long. 093-39.98W	135	10	7	12.3	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
38	**BOUY 1/2** Lat. 29-26.13NLong. 093-39.99W	180	2.8	7	2.3	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
39	**SABINE ANCHORAGE** Lat. 29-24.12N Long. 093-38.36W	144	2.3	7	0	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 3-6** mins	1.13	P / SBE / HS	4	3192
	SABINE P/STN	**TO**	**TUXPAN**	**P/STN**						
0	**SABINE ANCHORAGE** Lat. 29-24.12N Long. 093-38.36W				626		4.2	SBE / HS	3	3192
1	**SABINE P/STN** Lat. 29-25.0N Long. 093-40.5W	270	1.4	6	624.6	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 15** mins	2.44	SBE / HS	3	3192
2	**FAIRWAY** Lat. 29-08.0N Long. 093-40.0W	179	17	8	609	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 15** mins	>2X Draft	FAOP	1,2,3	3850/3854

WP No.	Ref. Point Brg x Dist or Lat / Long	CTS	Dist NM	Planned Speed (kts)	DTG NM	Position Fixing Method / Frequency	Min UKC (meters)	Bridge Status *	Manning Level	Charts
3	**RACON 'B'** Lat. 28-36.0N Long. 093-12.7W	143	40	12.5	569	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 15** mins	>2X Draft	FAOP	1,2,3	3854
4	**WRECK** Lat. 27-52.0N Long. 092-35.0W	143	55	12.5	514	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 30** mins	>2X Draft	FAOP	1,2,3	3854/3183
5	**ECA EXIT**	180	107	12.5	407	**Primary:** GPS	>2X Draft	FAOP	1,2,3	3850/4401

	Lat. 26-05.0N Long. 092-35.0W					**Secondary:**Celestial **Frequency: 60** mins				
6	**E OF ARRECIFI TUXPAN** Lat. 20-59.0N Long. 097-00W	219	392	11	15	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 15-30** mins	>2X Draft	SBE / HS	1,2,3	4401/1225
7	**TUXPAN P/STN** Lat. 20-59.7N Long. 097-15.2W	273	15	6	0	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 15-30** mins	5.03	SBE / HS	1,2,3	1225/376/372
	INBOUND TO SBM									
0	**TUXPAN P/STN** Lat. 20-59.7N Long. 097-15.2W			4	1.8	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 5-15** mins	5.26	P/ SBE / HS	4	376/372
1	**SBM 1** Lat. 21-01.6N Long. 097-15.2W	000	1.8	4	0	**Primary:** Visual / Radar **Secondary:**GPS **Frequency: 15-30** mins	8.26	P/ SBE / HS	4	376372

GENERAL INFORMATION (e.g. Risks/Hazards/Current/Tides/Weather Data/ Emergency Procedures/Contingency Plan/Communications/Reporting points/Overhead Clearance)

Hazards – NO GO Areas marked on charts / **Currents** – See RC 5124 & 5142 (1) / **Tides:** See attached Tide Table. / **Weather Data** – See INMc Print outs and weather fax. / **Emergyncy Procedures** as per VMS. / VRP / SOPEP**/ Contingency Plan** – In case of Imminent Emergency as A. Steering Failure. B. Main Engine Breakdown. C. Grounding. D.Non Availability of tugs Other Emrgencies. Reporting to Port Control to be carried out. marked on the voyage charts. One man standby at Focstle in case of dropping anchor.

Abort point Posn: Lat: 20-59.5 N , Long: 097-08.5 W and Contingency Anchorage Posn: Lat: 20-57 N, Long: 097-11.0W marked on charts. / **Overhead clearance:** GULFGATE BRIDGE HT. 41.5 METERS , AIR DRAFT 35.0, OHC 6.5 MTRS. ; RAINBOW BRIDGE HT. 43.59 MTRS. OHC: 8.59 MTRS. ; POWER CABLE (BN 19/20) HT. 55.79 MTRS OHC:20.79 MTRS. ; POWER CABLE (BN 56/58) HT. 50.0 MTRS OHC: 15.0 MTRS. **/ Reporting Points:** SABINE PILOT VHF CH. 14/16/20 ; TUXPAN PILOT VHF CH. 13-71-16; TUXPAN PORT VHF CH. 16-12; PEMEX OPERATION VHF CH. 09 .**Environmetal Proctection -** As per MARPOL / VMS. / Ballast exchange as per regulation / Marine Sanctuary Precaution / Special Areas / Garbage Disposal (Only Food Waste). ODME and OWS as per Regulation .**Parallel Index:** Fort point x 0.3 nm / N Pelican x 0.37 nm / Texas city dike x 0.18 nm / Shoal Point x 0.12 nm / Oil Rigg x 1.4 nm / Oil Rigg x 1.05 nm / Oil Rigg x 1.3 nm / Oil Rigg x 2.0 nm / Oil Rigg x 1.09 nm / Oil Rigg x 1.4 nm / Oil Rigg x 1.2 nm / Oil Rigg x 2.8 nm / Sabine pass East Jetty x 0.15 nm / Louisiana Pt. x 0.2 nm / Sabine x 0.12 nm / Lt. House (81) x 0.2 nm / Mesquite Pt. x 0.1 nm / LNG Terminal x 0.1 nm / Round Lake x 0.06 nm / Intracoastal way x 0.08 nm / Oil Tanks x 0.07 nm / Gulfgate Bridge x 0.07 nm / Port Arthur x 0.08 nm / Sabine Neches Canal x 0.05 nm / Lake view x 0.05 nm / Range L x 0.14 nm / S of Hulks x 0.05 nm / Stewts Island x 0.15 nm / Humble Island x 0.12 nm / Rainbow Bridge x 0.12 nm & 0.08 nm / Range S x 0.08 nm / Bird Island x 0.07 nm / Bessie Ht. x 0.09 nm / Smith Bluff x 0.06 nm / Mc Fadden x 0.08 nm / Tanks x 0.05 nm / Smith Island x 1.0 nm / Oil rigg x 5.4 nm / Range & Bearing Oil rigg 219 deg T x 3.5 nm . Oil rigg x 3.2 nm / Oil rigg x 3.3 nm / Oil rigg x 7.2 nm / Oil rigg x 16.2 nm / Tuxpan Arrecifi x 2.0 nm / Oil rigg x 1.5 nm.

PUBLICATIONS: ALRS NP286(5); NP286(7) ASD NP 69A

*** Status Codes: On Passage (FAOP) Standby (SB) Hand Steering (HS) Under Pilotage (P)**