6.6.7 INFORMACIÓN REFERENTE DE LA NAVEGACIÓN EN EL RÍO ORINOCO

Please send corrections and additions to Shipping Guides Ltd., 75 Bell Street, Reigate, Surrey, England ORINOCO RIVER

Including : Section A -- MATANZAS

Section B - PALUA Section C - PUERTO ORDAZ

(CVG Ferrominera Ormoco) Section D - PUNTA CUCHILLO

(Lagoven S.A.) Section E - VENALUM TERMINAL

IMPORTANT: VHF compulsory. Vessels without at least a VHF radio aboard will not be attended to by the Pilots at the Oxima pilot station and sp will not be allowed to enter the Orinoco River.

GENERAL:

1. As early as possible, advise Fuerro Ordaz Hadio Station, call letters YVM, giving ETA at Buoy EO of North (natural) channel, or at Buoy O,1 of South (dredged) channel.

Shipmaster's Report: October 1982.

Contact with YVM was made 48 hours before arrival buoy 0.1: accordingly, 72 hours ETA sent via Curaceo Radio

2. 24 hours prior to arrival, send another ETA to YVM.

3. Upon arrival, depending on whether Master intends to enter Orinoco waterway through North or South channel, adhere to following procedure:

Orimod Waterway Imrogan North of South Channel. Scheete to following procedure:

(a) North Channel. Notity Port Captain Cludad Bolivar, via YVM. of time of arrival at Buoy EO and give ETA at Buoy 27.

(b) South Channel. Requiest permission to enter from "Amacuro Pilot", via Channel 16. Do not enter until granted permission: while awaiting, lay to or another at least 1 mile outside of Buoy of 1.

O.1.

All vessels must also communicate with the Point Barima pilot station, call sign "Amacure Pilot" 2182 kHz HF or 43.18 VHF to be informed of traitio.

While navigating waterway, incound or outbound, report position to YVM hourly on the hour.

No Pilot required nor available for navigation along North or South channel at the Bona Grante of the Orinoco River. The International Rules for Preventing Collisions at Sea apply outside of Buoy 27.

Given the case of 2 vessels navigating North and South channels respectively the one navigating inc South channel is the privileged vessel.

vessel.

Anchoring either in North or South channels is lorbidden.
Throughout Orinoco waterway. The down-bound loaded vessel is
the privileged vessel
It is compulsory to fly Venezuelan ensign inside of Buoy EO or Buoy

10. It is compulsory to try venezueran ensign inside of Budy EO or Budy 0.1.

11. Vessels can only carry clean ballast within Orinoco Waterway.

12. Pilotage compulsory within Pilotage Zone No. 1 of the Orinoco. Pilots board at outer boundary of said pilotage zone in upstreamward vicinities of Budy 27.

13. Regulations for the Pilotage Zone No. 1 of the Orinoco apply inside of Budy 27.

APPROACHES: (Also see "Radio" - paragraphs (b) and (c) 1. The Waterway
A Radio Direction Finder (non-operational Colober 1982), located at Lat 08" 03" 45" N., Long 60" 28" 28" W., transmits following signal continuously: YV - AYV. The transmitter has an output of 500 watts with a range of about 200 miles and operates on a frequency of 305 kHz. While navigating the waterway, ships should favour the shore on their starboard side to the extent possible, giving preference of manoeuvre to loaded vessels in all cases. Since havigating upstreamward finounch, upon approaching narrow channels should await the passing and give way to downbound vessels. It follows: therefore, that downbound loaded vessels are the privileged vessels.

2. The Boca Grande (Banna Bar) Channels
There are 2 navigable channels across the Bres (Branca (Banna Bar)
Identified as follows: North channel (or natural channel), and South
channel (or dredged channel). The 2 channels have converging courses
and meet at fille 27.7 in the vicinity of Budy 27. Vossels havigating the
South channel are privileged, regardless of the direction in which they
trivial.

and meet at mile 27.7 in the vicinity of body 27. Vissels transplantly travel.

South channel are privileged regardless of the direction in which they travel.

(a) The North (Natural) Channel

This channel has a min, depth of 12 II., reterred to Mean Low Water. The approach from the sea is marked by a battery-operated electric flashing black budy, identified with the letters EO. This body is located in 46 ft. of water at I.a. 09° 00° 10° N., Long 60° 18° 20° W its characteristics are colour of light, white, hash, 1.0° seconds; earpse, 5.0 seconds; neigh above water, 10.7 ft., visibility, 7 miles. From seadury EO, the channel develops for 7.3 miles to Body EOA on a course of 213° 40° Tive, then for 2.8 miles to Budy EOB on a course of 198° 57' True, From this point the channel follows an approximate straight course of about 205° True for a distance of 17 miles to Budy 27. Starting from EOB distances between successive havigation ands are as follows. C1 at 1.9 miles; G1A at 1.5 miles; G3 at 2.1 miles; G3A at 2.3 miles; G5 at 9 miles; EL 24 at 2.6 miles. Budy 27 at 3.7 miles. All navigation aids are black budy fitted with white lights, except Budy 27 and EL, 24 which is a range structure indicating the West sido limit alignment of the South foredged channel. This structure has been littled with a white flashing light to mark the North (natural) channel. (h) The South (Prediged) Channel.

This Dooth channel is a 400 ft. midd deduced channel. Depind therein accommodate the maximum draft authorised by the Port Capitain. The approach from the sea is marker by a hattery-operated meeting flashing black budy, identified with the number 0.1. This budy is located in 45 it.

of water at Lat. 08° 55′ 52″.N. Long, 60′ 11 17′ W. Its characteristics are: colour of light, white: Itash, 0.5 seconds: ecripse, 11.5 seconds; height above water, 25 ft.; visibility, 11 mites. From seabuoy 0.1, the channel develops along 4 different courses over a total distance of 27.7 miles to 8uoy 27. The course reduces by about 7″ frue at each of 3 turning points, located at miles 9. 15 and 21 respectively. The initial course of 23° 18′ True continues to mile 9 where it changes to 227° 07′ True: Upon reaching mile 15, the course again changes to 219° 51′ True to mile 21. At mile 21, the course changes to 212° 45′ frue to 8uoy 27 amile 27.7. The centraline of the channel on all courses is visually marked by caona structures fitted with organ flashing, prectionally ocamed mile 27.7. The centroline of the channel on all courses is visually marked by range structures fitted with green flashing, chectionally ocamed tights. The West (right ascending) side limit of the channel through mile 21 is also visually marked by range structures litted with amber flashing, directionally beamed lights: the alignment given by the side ranges develops 200 ft, to the West and parallel to the centroline of the channel. All navigation ands along the East (left ascending) side of the channel are located 325 ft, from centroline or 125 ft outside of the channel lateral limit. White flashing navigation aids are located at 1 mile intervals through mile 25.1; all aids along this side are black buoys, except beacons 8.1, 9:1, 14.1, 15.1, 20.1, 21.1, 22.1, 23.1, 24.1, 25.1, 27.1 and 27.7 (Buoy 27). All navigation aids along the West (right ascending) side of the channel are located 200 ft, from centraline or on the exact lateral limit of the channel. Red flashing buoys pained red are located at 1 mile intervals from mile 1.6 to mile 11.6 From mile 11.6 to mile 27.7, there are only 2 aids; red buoys 13.6 and 25.0.

3. The River Channel
From mile 27.7, the navigable channel develors upstream. The river channel is generally deep and wide, except for the following 12 reaches which require periodic dredging: miles 27.7 to 36.5; miles 37.3 to 38.5; milos 58.1 to 64.3; milos 68.0 to 105.6; miles 109.1 to 11.0; miles 131.7 to 131.9; miles 136.6 to 139.0; miles 141.2 to 145.8; miles 146.2 to 149.4; miles 107.0 to 170.0; miles 170.4 to 102.4; miles 105.5 to 104. Dredged channels are normally 300 ft. The deoth maintained theroin can be restricted to a minimum of 250 ft. The deoth maintained theroin can accommodate the maximum draft authorised by the Port Captain fias instructed all Masters and Pilots to reduce speed and to proceed with couling while navigating the aforesaid reaches, especially during the low water season.

After Stages in reagnes, especially during the low water seasons. In separate to the cycle of wet and dry seasons, the slow of the Orinoco-River follows a relatively regular pattern of rise and fall each year. The river normally bogins rising in late March or early April and continues to rice until it poute of proof in late August. In September, the river begins a fairly steady recession until the extreme love water stage is reached, generally in March. The amplitude of stage variation above the low water plane of reference (0.0 ft.) at Patin (Mirr 181.7) averages about 35 if with min. variations of 31 ft. and must variation at 39 ft. The offoce of the flood rise decrease progressively below Patina and practically vanish in the upstreamward vicinities of the Boca Grande.

in the upstrearward vicinities of the Boca Grande

5. Tides and Currents

(a) The indicated mean tidal range is 5.4 it. Tidal influence is not experienced above mile 60 during high river stages. At low river stages, a tidal effect can be observed throughout the waterway, although it progressively diminishes, moving upstreamway. However, the tidal effect is still significant at Puerto Ordaz, mila 184, where a max, semidiumal change of 1.7 it, has been recorded.

(b) The strength of river currents is generally commerciate with flow the strongest currents occurring at high river stages. The velocity of currents at any one time generally discreases moving downstreamward. However, in certain toutions, they will as by bottom gradient, Max, velocities of about 6 knots have been recorded.

G. Navigation Alus

- havingation aids installed along the waterway consist of buoys beacon and ranges. All aids are lighted Identification is provided by means of numbers representing the numbers of hards and cannaid, to the nearest one-tenth of a mie. The last digit of numbers identifying white lighted aids is odd, white the tast digit of numbers identifying red lighted aids is odd, white the tast digit of numbers identifying red lighted aids is even. White lighted aids mark the left ascending limit aids are placed as to be intervisible to the extent that when abreast of any one aid the proceding and following ones can be sighted. Consecutive aids always carry different light characteristics. Buoys are normally placed on the exact lateral limit of the channel (except for black buoys along the South channel at the Boos Grando), headons, instead, are located at variable dictances outcide of the channel. This information is made available to ships by YVM. The Ministerio de Comunicaciones, Direction on Maxima Momante publishes semi-annually a complete list of navigation ands. Monthly lists of changes are also published so that the complete current but can be maintained up to date.

 Upon encountering damaged, inoperative, or misplaced navigation aids, vessels and forbidden to make first to any navigation and

7. Dranging Aids
Range structures, generally located close to shore or over the bank, are permally used to mark the lateral alignments of the granger along the resisted with amber flashing, directionally beamed liquis. The lights are extinguished except during execution of dredging. Directional structures are not to be used for navigation.

VENEZUELA

Navigation Charts avigation charts of the Orinoco Waterway should be aboard vessels for se by the Master. These charts are sold by the Institute Nacional de antitraninnes and are size in militario for plants. If requested, CVG will, if possible, arrange to make the charts and latest revisions available through the Pilet who boards at unla Barims, provided such request is received by radio (YVM) at least 3 hours in advance of the Pilet's boarding. A set of navigation charts, prected to latest revisions, is maintained in the office of the Traffic and hips' Agency of CVG in Puerto Ordaz, Masters may use this facility to sep their charts up to date.

OCUMENTS: (Clearance, documentation and other requirements)

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Consignment of Inbound Vessels

ne official documents of all vessels proceeding to Puerto Ordaz should now the following consignment: In CVG Ferromingrs Ornoco, Cludad plivar, Zona de Puerto Ordaz. The proper consignment of vessels oceeding to Palua, on official documenta, is as follows: from Minex ampany et Venezueta, Cludad Bolivar, Zona de San Felix.

customs Requirements
seels bound for Venezuela in ballast, without passengers, from reign ports outside the West Indias or Gulanac, require the following reumentation:

comentation:
The vessel must have a clearance certificate (Certificate de Zarpe) or ling authorisation issued by the Customs Authorities of the port of partire, representing the government of the country the vessel is parting from. No consular certification need be placed upon this

ocument.
Spare Parts List (Lista de Repuestos). It must contain a note of all the are pans and objects for the service of the vessel, including fuel. To signed by the Master and to be current as of the day of entering the

nezuelan port.

Ist of Effects for use of Captain and Crewmon (Liota de clocios rechales de la dotacion). To be signed by the Master and to be current of the day of entering the Venezuelan port. The Customs are very ict and will confiscate any article that appears new Health, Immigration, and Police Requirements ssels "nund for Venezuela in ballast, without passengers, from eign soutside the West Indies or Quianas, require following cumentation.

Current individual International Vaccination Certificates for each member of the crew.

Derat Exemption Certificate.

Crew Lists (original and seven copies).

Panerme or Suez Canal or any comparable type measurement pertificate.

Perew Lists (original and seven copies).

Panama or Suez Canal or any comparable type measurement certificate.

Ontraband: The Venezuelan law is very strict on this subject. It must be emphasised too strongly that all new articles, clothing, arettes, liquor, etc., must be declared and sealed-up upon arrival, deals for Pilots and Covernment Officials. It is requested these men granted the privilege of eating in the officers' dining salon.

V.B. Mesters of vessels calling at Trinidad for bunkers before needing to venezuela must also have the documents stamped by the nezuelan Consulate at Port of Spain.

OTAGE: In order to expedite the movement of shipping in the terways, masters are requested to establish contact with YVM station soon as possible, giving ETA Seabudy 0.1, At the same time a radiograph message must be sent to Agents giving ETA Barlma and go required. When vessels is 24 hours from pilot station, send after ETA via YVM.

After reporting the ETA in advance of arrival, try to contact directly, by IF, "Amacuro Pilot" when the ship approaches Seabudy 0.1 off the bar irrance (about 2 hours before arrival to the pilot atotion). (It is popoible contact Pilots 100 miles before arrival Seabudy 0.1.)

After taking the Pilots aboard, report to Radio Marina and continue ing the ship's position according to the mile, up-river, at exactly every ir on the hour, and receive from Radio Marina the pertinent of the hour, and receive from Radio Marina the pertinent of the concerning the traffic in the river waterway. If no munication can be established by voice radio aboard, comply by tio-telegraph by way of the YVM station. See "Ship's Officer's ports" in 1st Section - "General".

Jordan Prosition Radio Arrivor and the pertinent permits and realize transition and receive from Radio Arrival at the Elial Leagues and the pertinent permits and realize and the river waterway. If no munication can be established by voice radio aboard, comply by foots permits anothed as a condition and conditions and conditions and conditions

ip's Officer's Report: July, 1980.

Hourly position reports are made on W/T to YVM when the Pilot le pard (He writes the telegrams in Spanish).

Pilots are the employees of the Venezuelan Government and act in an insory capacity. The Master retains responsibility for the ship at all ex.

es.

1) Pilotage is not required and Pilots are not available for navigation outside the pilotage zone. Masters will take charge of inbound and outbound navigation on the North or South channel outside Buoy 27 at the Boca Grande without Pilotage Zone No. 1 of the Orlnoco, Inbound vessels will embark the government River Pilot in the upstreamward vicinities of Buoy 27. It is important that vessels pass Buoy 27 and be in sight of the pilot station at Barima in order to avoid any delay, as Pilots may not proceed until vessel is sighted. The government River Pilot will pilot the vessel while navigating the waterway; a special government Dooking Pilot will generally take the vessel into and out of the Puerto Ordaz harbour.

- nate

 1) All signals used outside of the pilotage zone (that is to say, seaward of Budy 27 mile 27.7) shall conform to the International Rules for Prevention of Collisions at Sea.

 2) Within the pilotage zone (that is to say, inside of Budy 27 mile 27.7) the signals used shall be in accordance with the "Regulations for the Pilotage Zone No.1 of the Orinoco". It should be noted that these signals are peculiar to the Orinoco Waterway, and are not necessarily in conformance with the International Rules.

 3) Within the pilotage Zone, special signals are used for passing

Soeed

Speed The Captain of the Port has the authority to impose speed restrictions. By means of "Notices to Mariners", the Port Captain has antiArred that all second speed while navigating by the lollowing locations: San Felix Dock, mile 179.9; El Toro, miles 95.4 to 98.6. It is recommended that speed be also reduced while navigating by the Palua Dock (mile 161.8), Barrangas (mile 143.2), and Ourlapo (mile 60.4). At the inception of the low water season each year (generally in early January), the Port Captain has in the past Issued a "Notice to Mariners" Instructing all vessels to reduce speed and proceed with caution while navigating the following river reaches: (1) miles 184 to 178, (2) miles 171 to 167, (3) miles 150 to 141, (4) miles 140 to 137, (5) miles 133 to 131, (6) miles 112 to 169, (7) miles 106 to 98, (8) miles 55 to 53, (9) miles 39 to 36.

ANCHORAGES:
(1) No ships are parmitted to anchor either in the North or Courte channel at the Boca Grande. Vessels are to anchor at least 1 mile outside of Buoy EO or Buoy 0.1.
(2) Within the pilotage zone, no vessol is allowed to anchor in narrow channels, nor close to a turn.
(3) Between Buoy 27 — mile 27.7 and mile 137, vessels which need anchoring may do so by coming as close as possible to shore on the ship's starboard side.
(4) Between mile 137 and mile 184, the Pilotage Regulations provide for 3 permanent anchorages and 1 seasonal anchorages, as follows: Area No. 5 (permanent); miles 139.3 to 140.4. Area No. 6 (permanent): miles 150.1 to 151.7. Area No. 7 (permanent): miles 178.0 to 179.0. Area No. 8 (seasonal): at the junction of the Caroni and the Orinoco. It should be observed that Area No. 7, as determined in the Pilotage Regulations, partially encroaches on the naturally deep and wide part of the area.
(5) The low-water anchorage (for 1 ship only) previously established by the Port Captain between miles 182 and 183 is no Jonger In use. This area is currently used as the turning basin for vessels exiting the Palua Channel, upon sailing from the new Palua dock at mile 161.8.
(6) If due to emergency a ship is required to anchor in blaces other than

If due to emergency a ship is required to anchor in places other than the designated areas, it should do so in such a way as not to obstruct the channel and by taking the necessary precautions to avoid swinging around.

Upon anchoring vessels should notify YVM.

MAX. SIZE:

(1) Max. permissible draft. The Port Captain of Cludad Bolivar can establish the permissible draft for the Orinoco waterway to a max, of

MAX. SIZE:

(1) Max. permissible draft. The Port Captain of Cludad Bolivar can establish the permissible draft for the Orinoco waterway to a max. of about 43 ft.

(2) Controlling Depths and Authorised Oraft
The draft authorised by the Port Captain for the Orinoco Waterway is made public by means of a "Daily Bullotin of Depths and Draft" (Bolotin Diario de Profundidades y Calado). Each daily bulletin-rissued by the Port Captain cerries the following information. In Spanish and English: (a) Controlling (minimum) depth between miles 184 and 133, and corresponding location.

(b) Controlling (minimum) depth between miles 184 and 42, and corresponding location.

(c) Controlling (minimum) depth between miles 42 and 0, and corresponding location.

(d) Predicted high tides (height and times) at mile 13.5.

(e) River stage (height) of river level above low water plane) at Puerto Ordaz and Palua.

(f) Authorised draft, in feet and inches.

The controlling depths given for locations comprised between miles 184 and 42 are actual depths, and reflect depth conditions as of the date of the bulletin. The controlling depth given for locations comprised between miles 42 and 0 is referred to mean low water springs and does not include the height of tide at high water.

The authorised draft may be predicted either on the controlling depth existent between miles 184 and 42 or between miles 42 and 0, dependent upon whilehover is the least.

When the controlling depth between miles 42 and 0 is the significant factor, the permitted draft authorised is generally less than the controlling depth in this sector.

When the controlling depth between miles 42 and 0 is the significant factor, the permitted draft authorised is generally less than the mean low water springs controlling depth water prings controlling depth water in the controlling depth in this sector.

When the controlling depth between miles 42 and 0 does not provide softicient observed on the time keet of the vessel at low water, the Master is expected to navigate by the site

HEALTH: Radio Pratique may be obtained by sending a message, after picking up Pilot, to the Port Health Officer, advising has there is no sickness on board, name of last port. ETA, number of crew and nationality of vessel and name and nationality of Master This does not apply at Palua).

lease send corrections and additions to Shipping Guides Ltd., 75 Bell Street, neighbor, Janes, and

ADIO:
) Communications: Communications are generally handled through
of radio-telegraph station at Puerto Ordaz, call letter YVM. This station
operated on a 24 hour basis: The operating frequencies are: 440 kHz;
operated on a 24 hour basis: The operating frequencies are: 440 kHz;
operated on a 24 hour basis: The operating frequencies are: 440 kHz;
operated on a 24 hour basis: The operating frequencies are: 440 kHz;
operated on a 24 hour basis: The operating frequencies are: 440 kHz;
operated on a 24 hour basis: The operating frequencies of red short or from shore to the first of the system are installed in the Puerto Ordaz Radio
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MH2. Pilot station at Barima Bar, Paluo and Matanzas are equipped with Pilot station at Barima Bar, Paluo and Matanzas are equipped with inla system. For the Puente Ordez area, thips will transmit to Mating ratio on a requency of 18,68,131 to 2,57 to 415 nm no 3 transport of 43,18 MHz, receiving in both cases on a frequency of 43.18 MHz.

Ship's Officer's Report: July, 1980. The VHF Channels listed are not evaliable on standard marine sets. All VHF work is done on Channel 16 (Pilot to Pilot), and reporting on W/T

All VHF work is done on Chamber to the total way, and to Radio Marina.

(b) Analogation on the North (natural) channel at Boca Grando is free. However, vessels are requested to notify the Port Captain. Ciudad Bollyar, via "Amacuro Pilota", on Channel 18, upon arrival at Buoy 27, mile 27.7.

(iii) Vessels is not permitted on the South (drections by 2 or more vessels is not permitted on the South (dredgod) channel at the Boca Grando. The restriction is placed on Inbound traffic, to the extent that any vessel wishing to enter the South channel requires prior authorisation from the Port Captaincy of Ciudad Bollyar, The request for permission to enter the South channel requires prior on Channel 16, and is to be transmitted before the vessel reaches Buoy 0.1. Upon receipt of the request, the Port Captain will notify the vessel via "Amacuro Pilots" on Channel 16, whether permission is or Is not granted, indicating, in the latter case, the approximate waiting time. Until permitted to enter, vessels are to anchor at least 1 mile outside of Buoy 0.1. Once that authorisation has been granted, vessels are to enter the South channel at the earliest opportunity. Any vessel which has been notified to wait may elect to proceed and enter through the North (natural) channel; in this case, the vessel will have to satisfy the requirements cuttined in paragraph (1) above.

(iii) While navigating the Orinoco Waterway inbound or outbound vessels are to report their position to YVM houriny on the hour. Ecoward of Funita Rarime, in, "Amacuro Pilots".

(iii) Should a collision, stranding or other accident occur in the vessel away from the Pilot for any reason, the Vuriquician law requires that a written report be made to the Captain of the Port by the Master of the Captain of the Port and may be handed to the Pilot in the ship's Agent for delivery. The Master need not appear in rison before the Captain of the Port unless specifically ordered to do so.

Slight groundings or touching of banks and bottom may simply be noted on the reverse slde of the receipt for pilotage signed by the Master.

Master. In case of collision, stranding, slight grounding, touching of banks and bottom, or other accidents, vessels should immediately notify YVM.

Section A

MATANZAS: 08.17 N. 62.52 W.

(See Plan Book)

MATANZAS: 08.17 N. 62.52 W. (See Plan Book)
N.B. Soe "Crinoco River" for all important entry requirements.
LOCATION: At Mile 195 from see on Orthoco River.
ANCHOHAGES: Between tilles Nos. 180 and 107, Orthoco River.
MAX. SIZE: Length 600 ft., breadth 74 ft., distance between rail and hatch coaming 23 ft., max. draft 41 ft. in rainy season May to November, and 28 ft. in dry season.
RADIO: See "Orthoco River": Cables address of Matanzas terminal operators is "Sidor Matanzas - Telex S6366" and cables may be routed through Caracas. Curacao or Trindad Radio.
TUGS: Every vassel over 2,000 registered tons is required to use a rug when berthing. Tug is 1,500 h.p.

BERTHING: Reinforced concrete structure consisting of 3 different Sections running in a straight line, bearing 065%.

From West to East, 3 sections should be pointed out:

The lirst section, some 320 m, long, is used mainly for unloading bulk.

cargoes. Depth 10 m, below MSL.
The second section, 400 m, long, is for handling steel products. Depth ,
The second section, 400 m, long, is for handling steel products. Depth ,
The below MSL.
The third part, some 260 m, long, is for yeneral earge. Depth 11 m

below MSL.

The level of the river fluctuates from 0.6 m, over MSL at low river water in the dry season (February – March) to 14 m, over MSL at high river water in the rainy season (July – August).

The river bed drops sharply from the edge of the pier to the navigation channol where the depth reaches 30 m, below MSL.

Berth No. 1: Runs from bollard No. 1 to No. 7, length 155.30 m.

Berth No. 2: Runs from bollard No. 1 to No. 14, length 170.38 m, Berth No. 3: Runs from bollard No. 14 to No. 24, length 204.25 m.

Berth No. 4: Runs from bollard No. 24 to No. 33, length 182.76 m.

Berth No. 6: Runs from bollard No. 33 to No. 39, length 160.45 m.

Berth No. 6: Runs from bollard No. 39 to No. 39, length 158.85 m.

Berth No. 6: Auns from bollard No. 39 to No. 44, length 158.85 m.

In addition there is another berth, length 149 m. South of No. 6, with.

The reinforced concrete platform is 25 m, wide at the first section and 20 m, at the second and third sections. The surface of the pier is 15.5 m.

20 m. at the second and third sections. The surface of the pier is 15.5 m

cover MSL.

CRANES: Berths No. 1 and No. 2 are served by 2 "Ceretti Tantani" bulk thinkades of 22 tonnes capacity, able to handle dismethells of 4.5 cum, for from one, time some and valor locally to the first to the clamshells for coke and other light bulk and orange peeler and magnets

clamshells for coke and other light bulk and change pools. The working for unloading scrap iron.

The reach of these cranes is 10 m, from the pier edge. The working field is from bollard No. 2 to bollard No. 13.

Berths No. 3 and No. 4 are served by 6 "CMI" gantry/trolley cranes titled with 2 hoists of 15 tonnes each, with a total capacity of 30 tonnes with the 2 hoists in tandem. The working field is from bollards No. 15 to No. 31.

Berths No. 5 and No. 6 are served by 3 "Ansaldo" gantry/trolley oranes of 16 tonnes capacity. The working area is from bollards No. 35 to No. 44.

At bollard No. 34 livere is a stationary rotary derrick of 400 tonnes.

No: 44.
At bollard No. 34 there is a stationary rotary derrick of 400 tonnes capacity and a reach of 18 m. In addition, there are 3 "Grove" auxiliary moving granes, of the telescopic type, with a rated capacity of 80 tonnes able to work at any

telescopic type, with a rated depetity of contents about the pier. WAREHOUSES: From boliard No. 14 to bollard No. 29, running along the South edge of the pier, there are 10 adjoining warehouses, 30×100 m, each, 3 of them open at either end and the four in the middle rooted. All of them are provided with 1 gantry crane of 25 tonnas each. STEVEDORES: Operations are round the clock. 7 days a week. MEDICAL: Private hospital and several doctors available.

FRESH WATER: Available at rate of 12 t.p.h.

MEDICAL: Private hospital and several doctors available.

MEDICAL: Private hospital and several doctors available.

FRESH WATER: Available at rate of 12 t.p.h.

FUEL: Available ex-barge.

"CUSTOMS ALLOWANCES: 200 cligarettes and 1 bottle spirits allowed per crew member for personal consumption.

IDENTIFICATION CARDS: Provided by authorities, and nacessary if crew going ashore.

REPAIRS: Local workshops undertake minor repairs.

AIRPORT: Matanzas is served by Pueno Ordaz Airport with several daily flights from Caracas.

POLICE/AMBULANCE/FIRE: The entire length of the pler is flitted with lire hydrants and at the sivel mill, about 6 km. away, there to a well equipped fire brigade with firetrucks, ambulances and resque vehicles.

A first aid centre is located close to the lire station.

TILLEPHONES: No Iniaphones or telex services are available at the pier and dock supervisor's office. Recommend vessels use their VHF to communicate with their Agents while at anchorage and when alonaside.

REGULATIONS:

Pollution: Venezuelan law and Sidor's port regulations are very strict on air and river water pollution, the following restrictions being in lorce:

1, No smoke to be ejected from vessels funnels whills moored at Sidor's piet.

2. No waste, refuse or garbage to be dumped in the river while in the river channel, at Matanzas roads or laying alongside the pier.

3. All waste, refuse or garbage kepl on deck, to be sprayed with anilvernanel, at Matanzas roads or laying alongside the pier.

4. No salt water hallast, bilge water, pile, refuse water from galleys and lavatories, etc., to be pumped into the river.

In addition to whatever penalty the vessel shall incur undar. Venezuelan law, Sidor reserves its right to piace the ufferfuling vessel of his pier under Sidor's security norms, every person which, for whatever penalty the vessel shall incur undar. Venezuelan law, Sidor reserves the right to piace the ufferfuling vessel platform is bound to use a hard hat. People doling any kind of work of the pier have also to use

Vessel's arrival.
Sidor require Agents to provide stowage plan and cargo documents prior to vessel's urrival otherwise Notice of Bondinoss will not be

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