



# **SONDAGENS DE ANGOLA**

## **RIG SA05**

**IDECO-RAMBLER BIR -3084 S/N AL616 4 SHATS**

**PROPERTY: SONDAGENS DE ANGOLA Ltda.**





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# SONDAGENS DE ANGOLA

## 1. RIG CARRIER

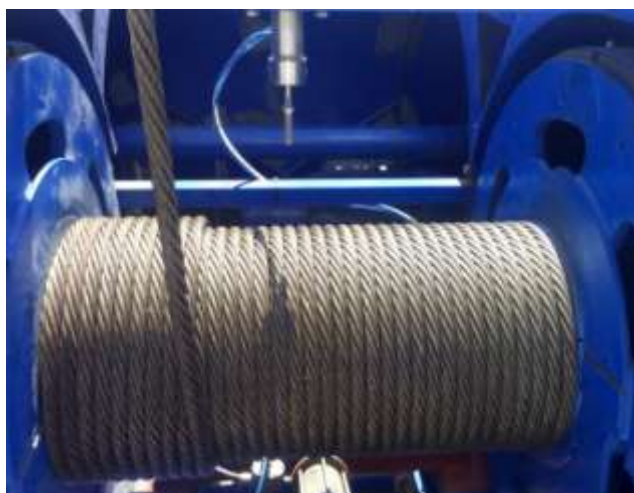
### 1.1 CARRIER

RAMBLER-IDECO BIR-3084 , S/N AL616 -4 SHATS

### 1.2 DRAWWORK

Type KM 95-212 GH composed by main drum H-35-KD S/N AL475, OF 36 ¾" X 15" with 1" diameter wire rope. Maximum load on line 35.000# .

Rig saver: crown-o-matic



### 1.3 MAST

Mast type KM-95-212-GH S/N AL1534, rectangular and tubular beams. High is 95' (29m) telescopic with hydraulic raising system in two (2) seteps. Hydrualic control valves are located close to Driller's control panel.



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Maximum tension capacity 212.000 #



## 1.4 ENGINE

DETROIT DIESEL GM8V-71N S/N 08VA110124 with 350 HP connected to ALLISSON TRANSMISSION BOX type CLBT-4406-2.





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## 1.5 TRAVELLING BLOCK

Type IDECO UTB 110-3-24, three(3) sheaves of 24" for six (6) lines.

The hook is 110 short tons.



## 1.6 WEIGTH INDICATOR

The weight indicator is MARTIN DECKER type AWA-6-FS.





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## 1.7 WINCH

One (1) winch PARKER type 312-97010-050 with BRANDEN PD12-C engine, 12.000# first layer capacity mounted on carrier with controls mounted at Driller's console.

## 1.8 COMPRESSOR

BENDIX WESTINGHOUSE type TUFFLO 1000.

## 1.9 HYDRAULIC LEVELING JACKS

Four (4) jacks installed, two (2) at front of carrier supported on pillar base, and two (2) rear jacks, all equipped with locks, nuts and stands.





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## 1.10 STAND PIPE

3"OD x 5.000 psi working pressure with 160 degree gooseneck with Weld ends on bottom and top.



## 1.11 RIG FLOOR

Adjustable in high to provide space for all well heads types and highs. Possible to transport with the carrier during Moving.

## 1.12 POWER SWIVEL

One (1) power swivel XK-90 5.000psi working pressure for all milling and soft Drilling operations.

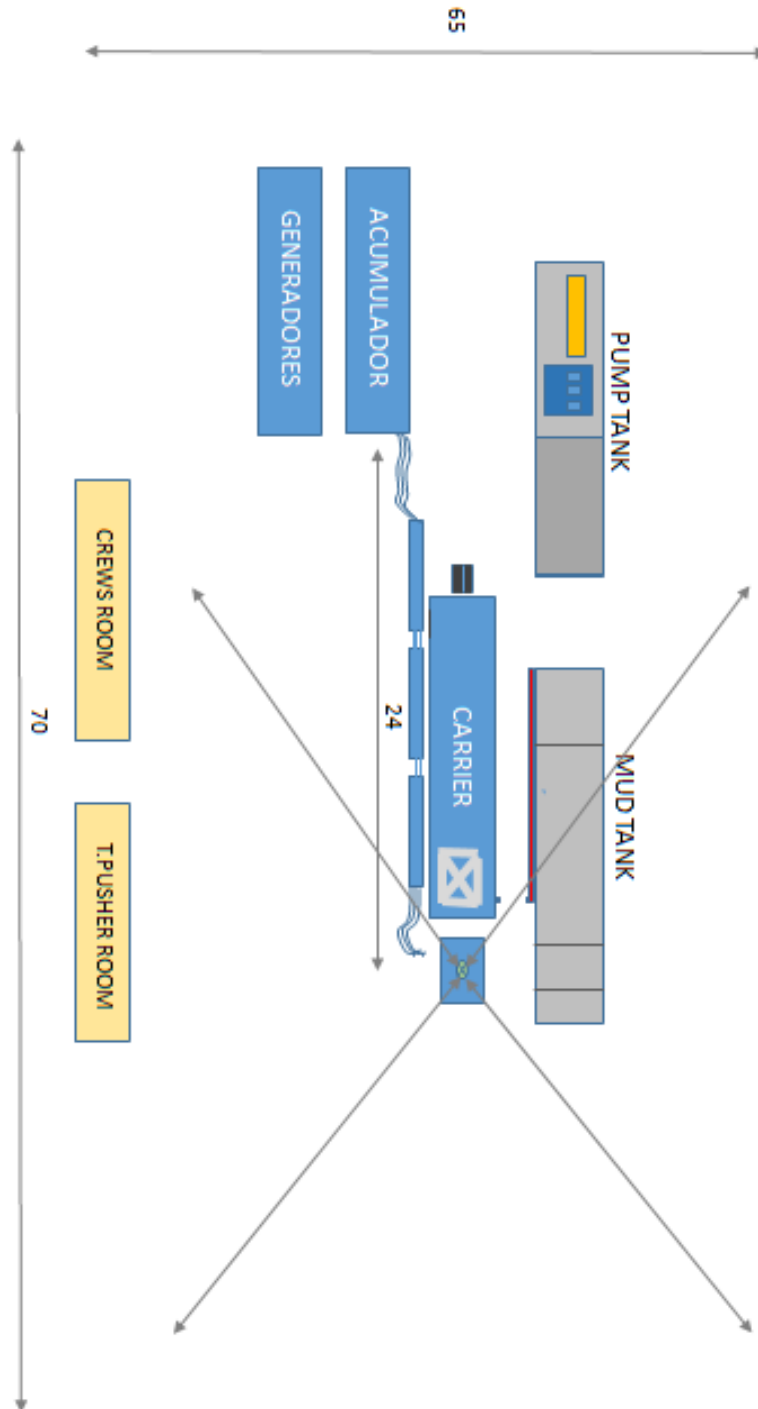






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## 1.13 LOYAUT





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## 2. WELL CONTROL SYSTEM

### 2.1 ANULAR BOP

Type SHAFFER 7 1/16" x 5.000 psi working pressure.

### 2.2 DOUBLE RAM BOP

Type SHAFFER 7 1/16" X 5.000 psi working pressure with ram 2 3/8" - 4 1/2" and blind rams.

### 2.3 SOCKED ROD BOP

Type HERCULES DOUBLE E , 2.44" 2.000 psi working pressure.

### 2.4 CHOKE MANIFOLD

2" x 5.000 psi working pressure, provided with two (2) manual choke valves.

### 2.5 SELF CONTAINER TEST UNIT

High pressure test unit with chart recorder available to test BOP, string, Packer...

### 2.6 ACUMULATOR

Six (6) accumulator bottles, 11 gallons each, one (1) 275 gallons fluid reservoir, triplex pump WED W21 (15HP) , compressor ABAC FORMULA 22.



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## 3. MUD PUMP SYSTEM

### 3.1 MUD PUMP

F-350 Triplex Continental EMSCO, S/N 5607, composed by CAT 3406 engine, and ALLISSON TRANSMISSION BOX type HT-750DR.

The mud pump can be operated by two ways:

- Into the Driller's console
- In an individual control panel located into mud pump skid, provided with strokes counter type MISWACO.





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## 3.2 MUD TANK

The total capacity of water storage on the rig is 46 m<sup>3</sup>. It has two tanks.

- One (1) on mud pump skid with capacity of 17 m<sup>3</sup>.
- One (1) mud tank featured with:
  - \_ Slug pit 6.5 m<sup>3</sup> capacity.
  - \_ Active pit 17 m<sup>3</sup> capacity.
  - \_ Sand trap 2.5 m<sup>3</sup> capacity.
  - \_ Decantation pit 3.3 m<sup>3</sup> capacity.
  - \_ three (3) agitators MCM-MA10 (10HP) SIEMENS type R6ZESP.
  - \_ One (1) DERRICK 6 » Hopper.



## 3.3 CENTRIFUGAL PUMP

MISSION size 6x5x14 impeller size 14". Engine 415 v 42A 30HP.



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## 4. POWER SYSTEM

Composed by.

- Generator 1: VOLVO PENTA 300 KVAS S/N 91911. Engine VOLVO TAD 1032 G
- Generator 2: CAT 275 KVAS. Engine CAT 3306, genrator 300 F.
- Emergency generator: GESAN DPS 45 45 KVAS. Engine PERKINGS 3348/1500.





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## 5. RIG FLOOR EQUIPMENT AND HANDLING TOOLS

### 5.1 HYDRAULIC POWER TONG

- One (1) hydraulic power tong OIL COUNTRY model 5800. Capacity 3000 psi with turnstile. Range 2 ¾" – 4 ½"

### 5.2 PIPES ELEVATORS

- One (1) 2 3/8" elevator KING OIL TOOL
- One (1) 2 7/8" elevator BJ
- One (1) 3 ½" elevator UP tbc
- One (1) 4 ½" elevator BJ
- One (1) 27/8" elevator AOT
- One (1) 2 7/8 "spider elevator

### 5.3 SOCKED ROD ELEVATORS

- One (1) 1" elevator BJ
- Two (2) 3/4"-5/8" elevator
- Two (2) 3/4" elevator BJ
- Two(2) 7/8" elevator BJ

### 5.4 TUBING SPIDER (NEUMATIC SLIPS)

One(1) OIL COUNTRY type neumaticfor 2 3/8"-4 ½" pipes. Capacity 100 tons with jaws 2 3/8" till 4 ½".

### 5.5 SAFETY CLAMP

One (1) safety clamp AOT type T, range 2 1/8" – 3 ½".



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## 7. CABINS

- One (1) cabin with two offices (T. Pusher/HSE advisor- Com. Man), one bathroom and a kitchen.
- One (1) cabin with one kitchen, one dressing room equipped with shower, one bathroom, and mechanic office.

## 8. MOBILE FLEET. FORKLIFT, TRUCKS, CARS CISTERN.

- One (1) forklift MANITOU M70 (7000 kg)
- Two (2) IVECO TRUCKS equipped with winch 50 tons capacity
- One (1) CISTERN 30 M3 capacity
- Two (2) TOYOTA LAND CRUISER for the crew
- Four (4) TOYOTA HILUX for superintendent, Tool-pusher, HSE advisor and chef mechanic.