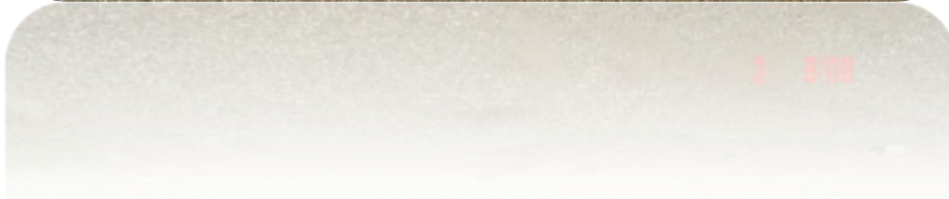




SONDAGENS DE ANGOLA



TECHNICAL SPECIFICATIONS

RIG SA-01

BACK-IN

RAMBLER IDECO KM-103-250

SELF - PROPELLED



SONDAGENS DE ANGOLA

TECHNICAL SPECIFICATIONS

1. RIG EQUIPMENT

1.1 DRAWWORK

A.	Manufacturer	RAMBLER IDECO (rebuilt 2015)
B.	Horse power	525 HP
C.	Auxiliary Brake	22 SR HYDROMATIC BRAKE Parkersburg
D.	Crown safety device	Crown-o-Matic Koomey
E.	Main Drum Barrel	15" x 36-3/4" (Diam x Length) -Lebus
	Main Drum Brakes	42"x 10-1/2" (Diam x Width)
	Cooling	Water Spray
F.	Dead line anchor	Hercules HA 118 T, 1" drilling line

1.2 DRIVE MOTOR

A.	Manufacture	CATERPILLAR 3408
B.	Model	B DITA
C.	Serial Number	67U11131
D.	Power	525HP@2100RPM
E.	Accessories	Hydraulic Pump, Alternator

1.3 TRANSFER BOX

A.	Manufacture	ALLISON CLBT 5860-5
B.	Gear	Six forward, One reverse

1.4 HYDRAULIC AND NEUMATIC SYSTEM

A.	Compressor	TUFLO-1000. Capacity 120 psi.
B.	Hydraulic oil pump	Pressure 2.000 psi to 3.000 psi.
C.	Hydraulic Winch	Braden PD12-C, 12000lbs

1.5 MAST

A.	Type	Telescoping, Hydraulically raised
B.	Manufacture	RAMBLER IDECO
C.	Height	96' (ft)
D.	Maximum Rated Specific Hook Capacity	With 6 lines 215.000 Lbs. White 4 lines 182.000 Lbs.
E.	Total Racking Capacity	8.000' 3-1/2" Pipes 12.000' 2-7/8" Pipes 14.000' 2-3/8" Pipes



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1.6 CROWN BLOCK

A.	Manufacture	MC KISSICK
B.	Capacity	250 Ton.
C.	Number of Sheaves	(2) of 24" x 1" (2) of 30" x 1"

1.7 TRAVELING BLOCK

A.	Manufacture	IDECO UTB 110-3-24
B.	Capacity	100 Ton.
C.	Number of Lines	6

1.8 HOOK

A.	Manufacture	IDECO
B.	Maximum Load Capacity	100 Ton.

1.9 WEIGHT INDICATOR

A.	Manufacture	MARTIN DECKER
B.	Type	CLIPPER SEALTITE
C.	Capacity	300.000 Lbs.

1.10 POWER SWIVEL

A.	Manufacture	VENTURETECH
B.	Model	XK-90
C.	Max. Static load rating	90 tons
D.	Max torque@5000psi	6000 lbs-ft
E.	Max speed	150 RPM
F.	Max Circulating Pressure	5000 PSI

2. WELL CONTROL EQUIPEMENT (BOP's)

2.1 B O P (RAMS)

A.	Manufacture	Shanghai Shenkai SHAFFER TYPE LWS
B.	Model	DOUBLE RAM (2FZ-25-35)
C.	Size	11" x 5.000 psi.
D.	Ram Assembly	2-7/8" to 4-1/2" and Blind Rams
E.	Spool	11" x 5.000 psi

2.2 B O P (ANNULAR)

A.	Manufacture	Shanghai Shenkai SHAFFER TYPE
B.	Model	SPHERICAL FH28-35
C.	Size	11" x 5.000 psi.



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2.3 BOP CONTROL UNIT

A.	Manufacture	Shanghai Shenkai
B.	Model	FKQ 640-5
C.	Working pressure	5.000 psi.
D.	Nº of stations	6 stations

2.4 CHOKE MANIFOLD

A.	Manufacture	Shanghai Shenkai
B.	Model	JG-S2-35-076-00
C.	Size	2-1/16" x 5.000 psi.

2.5 KILL LINE

A.	Size	2" x 5.000 psi.
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3. MUD SYSTEM

3.1 MUD PUMP

A.	Manufacture	IDECO
B.	Type	T-500
C.	Power	500HP
D.	Capacity	7" X 8"
E.	Max Pressure	3936 PSI (with 4" liner)

3.2 PUMP DRIVING ENGINE

A.	Manufacture	POYAUD (France)
B.	Type	A 1250 (UD 150 V12)
C.	Serial	12831
D.	Power	600HP

3.3 ACTIVE TANK (SAME SKID WITH MUD PUMP)

A.	Capacity	20 m ³
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3.4 MUD TANK

A.	Total Capacity	30 m ³
	Slug pit	6.5 m ³
	Active pit	17.5 m ³
	Sand trap pit	2.5 m ³
	Decantation pit	3.5 m ³



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- B. Agitators 3 units
Type MA Series 10HP
- C. Mud Hopper 1 unit
Manufacture Derrick
Type 6"(in)

3.5 STAND PIPE

- A. Size 3"(in) x 5000 psi

4. RIG POWER GENERATOR SETS

- A. Manufacture CATERPILLAR
- B. Power 275 KVA
- C. Quantity 2 units
- D. Auxiliary generator 1 unit x 45 KVA
- E. Rig Lighting Flame Proof class 1 Div. 1

5. FUEL STORAGE

- A. Total Capacity 12000L

6. RIG AIR SYSTEM COMPRESSOR & DRYER

6.1 SCREW COMPRESOR

- A. Manufacture ABAC R-VT 31
- B. Power 40HP
- C. Quantity 1 unit
- D. Capacity 4.05 Nm³/min

6.2 DRYER

- A. Manufacture FRIULAIR ACT 40
- B. Power 1.5HP
- C. Quantity 1 unit
- D. Capacity 4. Nm³/min

7. HANDLING TOOLS AND OTHER RIG EQUIPMENT

7.1 CENTER LACH ELEVATORS

- A. Size 2-7/8" -4-1/2"
- B. Manufacture NOV
- C. Rating 100 tons



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D. Quantity One(1) /each

7.2 SLIP TYPE ELEVATORS

A. Size 2-7/8" -3-1/2"
B. Manufacture NOV
C. Rating 150 tons
D. Quantity One(1) /each

7.3 TUBING SPIDER

A. Manufacture OIL COUNTRY
B. Quantity One (1)
C. Type Pneumatic
D. Size 2-3/8" - 4-1/2"
E. Rating 100 tons

7.4 ELEVATOR LINKS

A. Manufacture NOV
B. Quantity One (1) set
C. Type Weldless
D. Size 1-3/4" X 60 FT
E. Rating 150 tons

7.5 SAFETY CLAMP

A. Manufacture AOT
B. Quantity One (1)
C. Type T Type
D. OD Range 2-3/8" -4-1/2"

7.6 HYDRAULIC TUBING TONG

A. Quantity One (1)
B. Manufacture OIL COUNTRY Model 45000
C. Torque range 6770 lbs-ft (low gear)
D. Pipe size range From 2-3/8" to 4 1/2".