Name : Flag/ Port of Registration : Vanuatu Call sign : TBA

Builders : Yantai-Raffles, China

Number : TBA IMO Number : TBA MMSI Number : TBA Owners :

GENERAL

Built

Class : ABS Register No.

Notation : ABS +A1 + AMS +DP-1 Self-elevating unit

2010

PRINCIPAL DIMENSIONS

 Length o.a.
 :
 73.15m

 Beam o.a.
 :
 55.79 m

 Depth moulded
 :
 7.62m

 Transit Draught
 :
 5 m

Hull Material : Welded Steel Construction, AH36

Number of Decks : 2
No. of legs : 3
Leg length : 129.54m
Spud can diameter: 15.24m
Spud can height : 4.57m

Design Environment

Service area : Mexico Gulf

Air Temperature : 0° C min. to 35° ~max. Humidity: : 20% min. to 100%max.

Wind Survival Operations : 100kts

Seawater

Temperature : 0° C min. to 32°

Density : 1025 kg/m3 (For design purposes)

Corresponding wave period: 13.5sec

Wave Height

15.24m(Survival, of the water depth 300ft); 16.46m(Survival, of the water depth 250ft)

CARGO CAPACITIES

Deck Load : 9000kips
Pipe rack : 540lbs/ft²
Main deals (outside pine rack)

Main deck (outside pipe rack): 540lbs/ft²

 Quarter's deck
 :
 90lbs/ft²

 House Tops
 :
 150lbs/ft²

 Machinery Spaces :
 270lbs/ft²

 Sack stores
 :
 540lbs/ft²

MACHINERY/PROPULSION

Main engines : Made for main generators for Crane &

Accommodation

Generators:

Main : 3 x GE 7FDM16, 2500ekW, rated at

3500bHP,600V, 3ph, 900rpm 60Hz, with 3 remote mounted

radiators.

Emergency : 1 x GE 7FDM8, 1380 kW, 600V, 3ph,

900rpm, 60Hz

Thrusters : 3 x Steer-prop Azimuth Thrusters, SP35,

Rated at Maximum ABS continuous rating

2500KW at 1200RPM.

Fuel Purifier : 250 GPH Lube Oil Purifier : 75 GPH

Oily Water Sep : 1 50 GPM, Facet Model 30 WS- 11.4/50

Sewage Plant : 1 x 110 man capacity.

Ballast System : Computerized pneumatic control

FW Generator : 2 waste heat water-maker units (Alfa
Laval), be each of a capacity of 8000GPD.

Air Compressors : 3 x IR for rig air, the air dryer will be

provided with a separate skid base.

Cargo Pumps : 3 x Fuel oil transfer pumps, 140 GPM, 150

THD, 10 HP, 1750 RPM 2 x Fresh Water pumps, 10GPM@10'TDH 1 x General Service 273m³/hr at 35m FIRE FIGHTING & SAFETY

Fire Fighting : 2 x pumps 91 m³/hr hX0.701MPa

Life Boats : 2 x 110 person with davits

1 x Motor Rescue Boat (6 men) with davit

Life Rafts : 5 x 25 men

HELIDECK

1 x Heli-deck suitable for Sikorsky-S-92N helicopter

NAVIGATION EQUIPMENT

AIS : 1 x Furuno
GPS : 1 x Furuno

DGPS : 1 x Furuno GP150D Magnetic Compass : 1 x Cassens & Plath

Radar : 1 x X-band Furuno FAR-2127 1 x S-band Furuno FAR-2137S/12

Echo Sounder : 1 x Furuno FE-700
Navtex : 1 x Furuno NX700P
Speed Log : 1 x Furuno DS-80

Anemometer : 1 x RM Young Wind Tracker Floodlights : 22 x 400W HP Sodium type

COMMUNICATION EQUIPMENT(GMDSS)

One (1) telephone exchange

One (1) public address system

Two (2) sound powered telephone systems

One (1) mooring team hands-free communication system

Four (4) portable VHF transceivers

Four (4) portable Motorola UHF transceivers

Four (4) fixed radios for ECR, Navi. bridge and cranes. Cranes to have hands free operation

Three (3) Wave-Net Interface Module for local net of computers

ACCOMMODATION

The accommodation and mess facilities are fit for 110 persons. The accommodation shall follow the guidelines for UK HSE regulations and be able to house 110 men in 4-man cabins (Have Approached Flag state for release).

REFRIGERATED STORAGE CAPACITY

Cold store : 1 x 15 m³ walk in Freezer
Chiller : 1 x 15 m³ walk in Chiller room
Provisions : 1 x 30 m³ walk in Provisions room

DECK MACHINERY

Main Deck Crane : 2 x Slewing Crane (Each with capacity of

:Fixed lifting 45T@36.6m & Slewing

7T @ 39 m)

Skidding Crane : 1 x crane main hoist 280T@Boom 56m;

Auxiliary hoist 32T@boom58.8m;

4 Point Moor System : 4 x Single Drum winches, Brake Hold

60T, first layer 4 x anchors, 7T ea

 Anchors
 :
 4 x anchors, 7T ea

 Towing
 :
 Tow Brackets 320T SWL

 Tugger Winches
 :
 Pull Load 30 T at 4.5m/min,

14T at 9m/min

Drum capacity 750m x Ø 38 mm SWR@

12 layer

Particulars correct at time of printing but not guaranteed.

WORK-OVER RIG

Drill pipe rack sizing: 7,500m (24,800ft) 2800m (9,300ft) of 41/2"

DP and 4700-m(15,500-ft)of31/2" DP.

Drill collar rack sizing: 78-m (260-ft) of 6" Drill Collars.

Derrick: 317-tonne (350-ton,700-kips),38.4m(127

ft) double racking.

Hook: 227 -ton (250ton 500-kips) Rotary Load: 227-tonne (250-ton, 500 kips) 227-tonne (250-ton, 500 kips) Set-back: Combined Structure: 227-tonne (250-ton, 500 kips)

Cantilevered Skid: Cantilever XY skid: 16.7m by 9m(55ft by

Tender Assist Skid: Capping beam XY skid: 9m to I5m (30ft to

50ft) adjustable for common Capping

LeTourneau®249-tonne(275-ton,550-kips) Draw-works:

Model LDW550K. 10-lines 1.119 KW (1,500 hp) motor and Electric brake

Top Drive: LeTourneau®227-ton(250-ton, 500-kips)

Model L-DDTD

False Rotary Drive: 952.5-mm(371/2-in) pass through rated at

227-tonne (250 tons)

Traveling Equipment: 227-tonne (250-ton 500 kips) Hook/block

Rig Instrumentation: Petron® Electronic Touch screen Display

with 25 parameters/alarms on floor and within offices.

Fluids Measurement: Pit volume Total(PVT), Fluid Return Flow

Increase (Flo-sho) and pump Strokes. TDS Speed: TDS speed indicator 0-240 rpm.

Weight Indicator: Petron@ weight indicator

Tona: 139.7-mm(51/2") HSVS Eckel® Hydra-

shift® casing tong 60.3mm to 2l9mm,t (2-

3/8", to 8-5/8")

Camera: Top-Drive Monitoring Camera

Pollution Control: Floor, draw-works, bell nipple Equipped

with drip pan Drain piped To two waste tanks.

Air Hoists: (I) Ingersoll Rand® Model FA150KGi man-

riding air winch rated at 150kg(330lbs), (4)Ingersoll Rand® Model BU7A winches

rated at 454 kg(1000lbs).

Tubing Equipment: 60.3-mm to 172-mm(2-3/8" to 5") tubing or

drill pipe.

WELL CONTROL EQUIPMENT **BOP**

Cameron Iron works® (CIW) 346mm (13-5/8") 5M Annular Bop CIW 346mm, 690-bar (13-5/8" IOM) BOPs with pipe, blind and shear rams.

Shear rams outfitted with booster.

Telescoping bell nipple capable of mating to annular.

Three-way 346mm (13-5/8") flow cross with five (5)77.8m-690-bar (3-I/16",10M) manual and (I) 77.8m, 690-bar(3-I/16",10M)hydraulic valves.

(2) 20-tonne (22-ton, 44-kips) air driven BOP hoists, BOP transport dolly with IOM test stump.

Portable 1,034-bar (15M) BOP pressure test unit with charts Hydraulic bolt torque tools for BOP

1363-liters(360-gallons)CAD accumulator unit(1363-liters or 360gallons from 24-bottles), (3) air pumps and one electric triplex

(2) Remote units 77.8mm, 690-bar(3-I/16" Diameter, 10M) choke manifold with surge tank.

Targeted turns, pressure gauge, divert to gas buster. Remote adjustable choke and two manual adjustable chokes.

CIRCULATING SYSTEM

Triplex pump I27mm x 356mm (5"x14") Circulating Pumps:

Lewco ® Model WH-2214,1641.2KW (2,200hp) AC motor Rated for 517-bar (7,500 PSI), Pulsation dampener with two (2)

860KW (1.150hp) AC motors.

Kill Pumps: Triplex pump 95.3mm x 230.2mm (3-3/4"x8") SPM® model TWS2250,1641.2KW (2200HP) AC motors,1304-bar (15000Psi), pulsation Dampener, one 164lKW (3,000-hp) AC motor.

Well-bore Fluids Active Pit:

Motion"

Tank.

79-m3 (675-bbls) active circulating system with agitators and pumps Re-circulating, 5.8m3 (50-bbl) trip tank with gauge Slug/pill tank.

Mixing hopper- high jet type Mud/gas separator (poor-boy gas buster) with returns to tank.

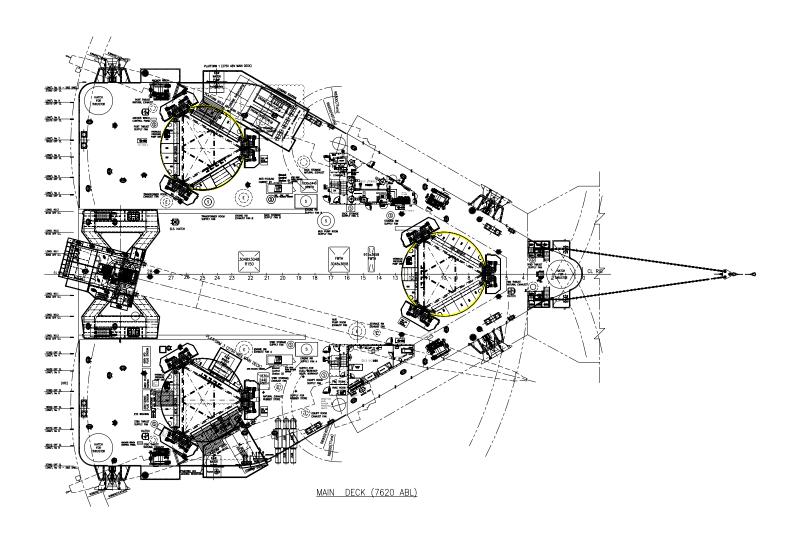
(1) Model FLC-503 Derrick® "Linear Flow Line cleaner (600 gpm) on Trip

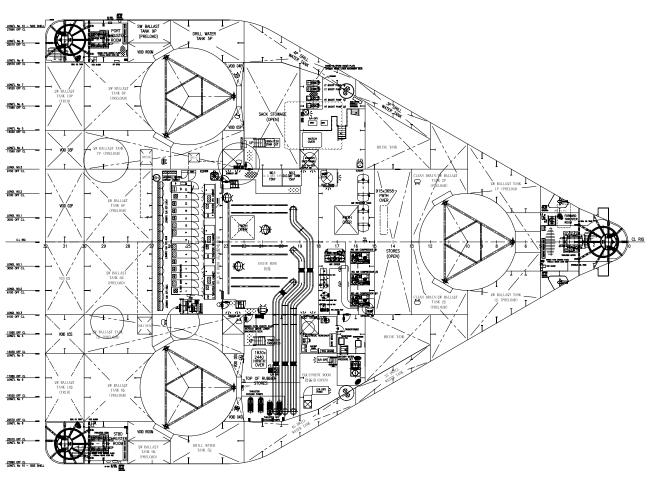
CANTILEVER ALLOWABLE DRILLING/WORK-OVER LOAD

Cantilever Allowable Drilling/work-over loads indicated are the sum of setback, hook, rotary, and conductor tension loads (in Kips) based on the cantilever assembly weight and center of gravity Any increase in cantilever assembly weight will result in a decrease in the allowable Drilling/Work-over loads.

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~ 🛦		27 ft	29.ft	31 11	33.ft	35.11	37 ft	39 ft.	41 ft	43 ft	45 ft	47B	49 ft	51.0	53.8	55 ft	56.11	
Rotary Port of Center (ft) Rotary Starboard of Center (ft)	15.ft	700 kips	700 kips	700 laps	700 kips	700 kips	700 kips	700 kips	665 kips	595 kips	530 Jops	475 lips	420 kips	375 kips	325 kips	285 kips	265 kips	15 ft
	12.0	700 kips	700 kips	700 laps	700 kips	690 kips	620 kips	560 kips	505 kips	450 kips	400 kips	355 kips	335 kips	12.11				
	9.01	700 Japs	700 kips	700 Japs	700 kips	700 kips	700 ldps	700 kips	700 ldps	700 kips	700 kips	660 kips	595 kips	540 kips	490 kipe	440 kips	415 kips	9.6
	119	700 kips	700 kips	700 kips	700 kips	645 hips	590 kips	535 kips	\$10 kips	119								
	3.0	700 kips	700 taps	700 kips	700 kips	700 kips	700 kips	700 laps	700 kips	700 kips	650 kips 535 kips	620 kips	3.6					
	0	700 kips	700 kips	700 laps	700 kips	700 hps	700 kips	700 kips	700 kips	700 kips	700 kips	700 kips	700 kips	700 kips	700 kips	700 kips	700 kips	. 0
	3.0	700 kips	700 lips	700 kips	650 kips	620 kips	.1.19											
	119-	200 kips	700 kips	700 kips	700 kips	700 kips	645 kips	590 kips	535 kips	510 kips	14.9							
	.9 ft	700 kips	700 laps	700 kips	700 kips	660 kips	595 kips	540 kips	490 kips	440 kips 535 kips	415 kips	0.65						
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otary Pe	-15ft	700 kips	700 Jups	665 ldps	595 kips	530 kips	475 kips	420 laps	375 kips	325 kips	285 laps	265 lips	15.61					
≃ ↓		27.ft	29 ft	31.11	33.ft	35 ft	37.8	39 ft	41 ft	43 ft	45 ft	47 ft	49 ft	S1 ft	53 ft	55 ft	56 ft	
•		2,2	2.5	31	33	L	L	L	17	L	L	L		L	S	16	36	

Particulars correct at time of printing but not guaranteed.





UPPER MACHINERY DECK (4570 ABL)

