

Sapura Raiqa



General

Design :	KFELS SSST-5000NG
Built/year :	Keppel FELS Limited, Singapore/Under construction
Rig Type :	Semi-Submersible Self-Erecting TAD Rig
Major Upgrades :	Nil
Flag :	Panama
Classification :	ABS
Class Notations :	+A1 Column Stabilised Unit - Drilling Tender

Main Dimensions / Technical

Length x Breadth x Depth :	304 ft x 134 ft x 97 ft
Max. Water Depth :	820 ft with conventional mooring system / 6,560 ft with pre-laid mooring system
Min. Water Depth :	32 ft
Drilling Depth :	30,000 ft
Variable Load :	5,000 MT
Helideck :	Sikorsky S-92N, S-61N, EH101, Super Puma A332
Helideck Compliance :	CAP 437
Accommodation :	200 persons

Drilling Equipment

Derrick :	MH-Pyramid Bootstrap Mast, quadruple
Hookload / Setback :	1,000 kips / 1,200 kips
Drawworks :	Lewco LDW3000 3,000 HP
Racking Capacity :	31,600 ft 5-7/8" DP
Top Drive :	NOV TDS-8S AC, 750 tons, 62,250 ft-lbs cont torque
Pipe Handling :	PH-100
Iron Roughneck :	HawkJaw M100K-2GSR
Rotary Table :	LEWCO L-495 with 49 1/2" table opening
Power Slips :	B+V Type PS-500
Drilling Line :	5,000 ft x 1 1/2" OD
DES Dry Weight :	862 mt
DES Number of Lifts :	20
Max Platform Height :	110 ft

Storage Capacities

Fuel :	11,322 bbls
Drill Water :	16,982 bbls
Potable Water :	10,693 bbls
Liquid Mud :	10,064 bbls (active and reserve)
Base Oil :	4,025 bbls
Brine :	4,025 bbls (active and reserve)
Barite/Bentonite/Cement :	16,800 cu ft
Sack Storage :	10,000 sacks

Power

Main Engines :	6 x Caterpillar 3516 CHD
Main generators :	6 x AVK DSG99-K1/6 @ 1,600kW
Total Power :	9,600 kW
Emergency Power :	1 x Cat 3512B TA, AVK DSG86-K1/6 @ 1,020 kW

Well Control

Diverter :	2 x Piper Valve System
BOP (Surface) :	Hydril 21 1/4" 1 x 2K ABOP Hydril 21 1/4" 2 x 2K SRBOP Hydril 13 5/8" 10K 1 x ABOP Hydril 13 5/8" 10K 1 x SRBOP & 1 x DRBOP Pemac 3"-10K BOP Lifting & Trolley System, 70 mt SWL
C&K Manifold :	
BOP Hoist :	

Mud System

Mud Pumps :	4 x MH Wirth TPK 1600, 1600 HP
Pressure Rating :	7,500 psi WP
Shale Shakers :	4 x Brandt VSM 300
Mud Gas Separator :	42" OD / 10 MMSCFD
Degasser :	Swaco CD-1400 Hurricane

Lifting Equipment

Main Crane :	Favelle Favco PC 400 with 170 ft boom
Main Crane Rating :	300 MT @ 38.0 m radius
Deck Crane :	Favelle Favco 7.5/10K with 140 ft boom
Deck Crane Rating :	44 MT @ 6.7 m radius
Master Skid Cranes :	2 x CraneSafe Knuckle joint cranes
Master Skid Crane Rating :	7,500 lbs SWL

Tubular

Drill Pipe :	5-7/8" DP
--------------	-----------

Offline Activity Capability

OAC Crane :	X-Y gantry crane @ monkey board, 12000 lbs SWL
OAC Power Tong :	HawkJaw Senior, Model 100K-2GSR
Offline Electric Log :	Available on Request
Offline CTU :	Available on Request
Offline Cementing :	Available on Request

Station Keeping

Anchor Wire :	8 x 3-1/2" OD x 5,000 ft long, galvanised steel wire ropes
Anchors :	8 x 10 mt Stevpris MK6 anchors
Mooring Winches :	4 x Broehl electric power double drum traction winch

Other Features

Lifeboats :	4 x 100-person, Noreq survival crafts
	Total capacity: 400 men

* Owners reserve the right to amend the specifications without notifications.