

Sapura Jaya



General

Design :	KFELS SS3600E-GOM-C42
Built/year :	Keppel FELS Limited, Singapore / 2011
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 :	308 ft x 118 ft x 67 ft
Max. Water Depth :	800 ft with conventional mooring system / 6,000 ft with pre-laid mooring system
Min. Water Depth :	32 ft
Drilling Depth :	30,000 ft
Variable Load :	3,600 MT
Helideck :	Sikorsky S-92N
Helideck Compliance :	CAP 437
Accommodation :	160 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-85 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 :	984 mt
DES Number of Lifts :	20
Max Platform Height :	110 ft

Storage Capacities

Fuel :	38,639 bbls
Drill Water :	14,378 bbls
Potable Water :	6,541 bbls
Liquid Mud :	5,975 bbls
Base Oil :	3,384 bbls
Brine :	2,874 bbls
Barite/Bentonite :	6,991 cu ft
Cement :	8,085 cu ft
Sack Storage :	9,000 sacks on pallets or 6,000 sacks plus 100 drums of chemical

Power

Main Engines :	6 x Caterpillar 3516B
Main generators :	6 x Kato 2,000 KVA
Total Power :	7,800 KW
Emergency Power :	1 x Cat 3512BTA Kato 6P6 @ 1,000 kW

Well Control

Diverter :	29 1/2" Hydril MSP, 500 psi
BOP (Surface) :	Hydril 21 1/4" 2K 1 x ABOP Hydril 21 1/4" 2K 2 x SRBOP Hydril 13 3/8" 10K 1 x ABOP Hydril 13 3/8" 10K 1 x SRBOP & 1 x DRBOP Pemac 3"-10K
C&K Manifold :	
BOP Hoist :	BOP Lifting & Trolley System, 70 mt SWL

Mud System

Mud Pumps :	4 x Lewco W-1712, triplex, 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 300 with 170 ft boom
Main Crane Rating :	250 MT @ 22.0 m radius (SWH = 1.5 m)
Deck Crane :	Favelle Favco 7.5/10K with 140 ft boom
Deck Crane Rating :	44 MT @ 5 m radius (DF=2.0)
Master Skid Cranes :	2 x CraneSafe Knuckle joint cranes
Master Skid Crane Rating :	7,500 lbs SWL

Tubular

Drill Pipe :	5-7/8" DP
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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
Offline CTU :	Available
Offline Cementing :	Available

Station Keeping

Anchor Wire :	8 x 3-1/8" OD x 5,000 ft long, galvanised steel wire ropes
Anchors :	8 x 10 mt Bruce MK4 anchors
Mooring Winches :	4 x Skagit Smatco Model TMW-300 dual drum, electric Anchor Traction winches

Other Features

Lifeboats :	4 x 80-person, Norsafe survival crafts
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* Owners reserve the right to amend the specifications without notifications.