

NAGA 4

GENERAL

Name	VELESTO NAGA 4
Design	Keppel FELS B Class Design
Delivery	March 2013
Construction Yard	Keppel FELS Yard, Singapore
Jack Up Type	Independent Leg Jack Up Drilling Rig
Flag	Malaysia
Classification	ABS
Class Notations	A1 Self-Elevating Drilling Unit

MAIN DIMENSIONS / TECHNICAL

Length and Breadth	234 ft x 208 ft
Depth	25 ft
Draft	16 ft
Leg Length	517 ft
Leg Length (under hull)	460 ft
Leg Spacing	Transverse:142 ft Longitudinal: 129 ft
Spud Can Diameter	47.20 ft
Bearing Pressure	9.84 kips/ft2
Design Water Depth	400 ft
Minimum Water Depth	20 ft *Subject to SSA
Drilling Depth	30,000 ft
Variable Load	Afloat: 4,500 kips Elevated: 7,500 kips
Drilling Envelope	70 ft x 30 ft
Helideck	Capacity: 12.8 MT
Helideck Compliance	CAP 437
Refueling System	2 x Wilmax 750 gallon
Accommodation	150 POB

DRILLING EQUIPMENT

Derrick	Lee C Moore 36ft x 36 ft x 160 ft
Hookload	1,500 kips
Drawworks	NOV ADS-10T, 3,200 HP
Top Drive	NOV TDS-8SA Rated Capacity: 680 MT
Racking Capacity	30,000 ft
Pipe Handling	Forum 16K- OAC
Iron Roughneck	Primary: NOV AR 3200 Secondary: NOV ST 120
Rotary Table	NOV RST 495, 49-1/2"
Driller's Instrumentation	NOV Amphion System

TUBULARS

Drill Pipe	5 -1/2" S-135 (21.9 ppf) 4" S-135 (14 ppf)
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OFFLINE CAPABILITY

- Make-up and break-out drill pipe offline
- Perform offline Centrifuge
- Perform offline Cementing
- Make-up and rack back casing offline (up to 9-5/8")

WELL CONTROL

BOP	18-3/4" NOV NXTM 15,000 psi WP
BOP Annular Diverter	18-3/4" Cameron DL 10,000 psi WP
Choke & Kill Manifold	Vetco Gray KFDJ-500
BOP Hoist	3-1/16" ID 15,000 psi Ingersoll Rand Lifting Capacity: 136 MT
Conductor Tensioner	ICON T230A 230 MT
BOP Top Tensioner Unit	ICON P100A

LIFTING EQUIPMENT

Deck Crane Location	3x Favelle Favco 7.5/10k 1 x Port Aft, 1 x Port Forward, 1 x Starboard
Main Hoist Capacity	Up to 45.4 T at 12.2 Up to 11.0 T at 36.6m
Fly Hoist Capacity	Upto10.0T at 32.3m

POWER PLANT

Main Engines	5 x Caterpillar 3516C-HD, 2,150 hp
Main Generators	5 x Baylor @ 1,720 kW
Emergency Engine	Caterpillar 3508B-DITA
Emergency Generator	Stamford @1,051 kW

MUD SYSTEM

Mud Pumps	3 x LEWCO W-2215, 2,200 hp Triplex Type, 7,500 WP
Shale Shakers	5 x NOV Brandt VSM 300
Desander	1 x NOV Brandt Integrated with VSM 300
Desilter	1 x NOV Brandt Integrated with VSM 300
Degasser	2 x NOV Brandt DG-10
Mud/Gas Separator	T echnic Offshore 177 Psi WP , 10" ID

STORAGE CAPACITIES

Fuel	3,265 bbl
Potable Water	2,052 bbl
Liquid Mud	2,987 bbl
Brine (Independent)	1,176 bbl
Mud / Brine Tank	1,036 bbl (interchangeable tank mud/brine)
Barite/Bentonite Silos	6,000 ft3
Cement Silos	5,100 ft3
Sack Storage	5,000 sacks
Base Oil	1,532 bbl
Preload (Independent)	46,900.7 bbl
Drill Water (Independent)	3,825 bbl
Preload / Drill Water Tank	14,959.2 bbl (interchangeable tank drill / preload)