

NAGA 5

GENERAL

Name	VELESTO NAGA 5
Design	Keppel FELS B Class Design
Delivery Construction	March 2014
Yard	Keppel FELS Yard, Singapore
Jack Up Type	Independent Leg Jack Up Drilling Rig
Flag	Malaysia
Classification Class	ABS
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: 142ft Longitudinal: 129ft
Spud Can Diameter	47.20 ft
Bearing Pressure	9.84 kips/ft2
Design Water Depth	400 ft
Minimum Water Depth	20 ft *Subject to site specific
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 (maximum)

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
- Multipurpose Cranes underneath the rig floor
- Make-up and rack back casing (up to 13-3/8")

WELL CONTROL

BOP	18-3/4" Cameron TL 15,000 psi WP (with tandem boosters)
BOP Annular Diverter	18-3/4" Cameron DL 10,000 psi WP
Choke & Kill Manifold	Drill-Quip 49-1/2"
BOP Hoist	3-1/16" ID 15,000 psi Ingersoll Rand Lifting Capacity: 136 MT
Conductor Tensioner	ICON T230A 230 M
BOP Top Tensioner Unit	ICON P100A 210bar

LIFTING EQUIPMENT

Deck Crane Location	(3x Favelle Favco 7.5/10k)
Location	1 x Port Aft, 1 x Port Forward, 1 x Starboard
Main Hoist Capacity	Up to 45.4 T at 12.2m Up to 11.0 T at 36.6m
Fly Hoist Capability	Up to 10 T at 38.4m

POWER PLANT

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

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	2,724 bbl
Potable Water	2,052 bbl
Liquid Mud (Independent)	3,396.3 bbl (mud pit + pre mix)
Brine (Independent)	855.1 bbl
Mud/Brine Tank	1,084 bbl (interchangeable tank mud/brine)
Barite/Bentonite Silos	6,000 ft3
Cement Silos	5,100 ft3
Sack Storage	5,000 sacks
Base Oil	1,135 bbl
Preload (Independent) Drill	47,206.2 bbl
Water (Independent)	3,825 bbl
Preload / Drill Water Tank	16,094.2 bbl (interchangeable tank drill/preload)