



Shelf Drilling Barsk 150m Jack-Up Drilling Unit

General Description

Design	GustoMSC CJ70-X150-ST
Year Built / Last Upgrade	2016
Hull Dimensions	296.9 ft. x 377.6 ft. x 39.4 ft.
Legs (3)	703 ft. long triangular legs
Quarters Capacity	140 persons
Maximum Water Depth	492 ft. (150 m)
Cantilever Envelope	110 ft. by 73.8 ft.
Max Variable Load (drilling)	Approx. 14,300 kips*

**depending on water depth and geographical location*

Drilling Equipment

Derrick	NOV Bolted H Profiles 236 ft x 49.2 ft x 52.5 ft, static hook load capacity 2,000 kips with fourteen 2" lines
Drawworks	NOV SSGD-1000-5750-55-82-10.5 AC Drawworks, 5,750 HP rated input power driven by five (5) 1,150 HP motors
Rotary Table	NOV RST-495 with hydraulic motor, 49-1/2 maximum opening, rated 2,000 kips (907 MT)
Top Drive	NOV TDX-1000 AC Top Drive 2,000 kips, driven by two (2) 1,150 HP AC motors, rated to 91,000 ft.lbs maximum continuous torque at 116 RPM (or 70,000 ft.lbs at 150 RPM), outfitted with NOV PH203 make-up/break-out system
Pipe Handling	Two (2) NOV ARN-270 Iron Roughnecks for tubular OD from 3-1/2 in to 10 in; one (1) NOV PS30 power slips, two (2) NOV Hydra Racker IV-ER pipe racking systems; one (1) NOV MRS3-15-18" Mousehole; one (1) NOV Casing Stabbing Arm; one (1) NOV Catwalk Machine CWS-P20-65LS; one (1) NOV PC2201KCE Knuckle-boom at cantilever, SWL 6 MT to 14 MT
Mud Pumps	Three (3) National Oilwell 14-P-220 triplex pumps 2,200 HP, 7500 psi working pressure, each pump is driven by two (2) AC motors rated 1,100 HP continuous
Solids Control	Six (6) Axiom AX-1 shale shakers 1,000 GPM each
Instrumentation	NOV Smart Drilling Instrumentation (SDI) 100 system & Drilling Control and Data Acquisition (DCDA) Cyber-base drilling instrumentation

Storage Capacities

Liquid Mud (including slug pit)	11,536 bbls.
Base Oil	3,969 bbls.
Brine	4,040 bbls.
Drill Water	25,801 bbls.
Potable Water	2,906 bbls.
Fuel	12,283 bbls.
Bulk Mud (4 silos)	9,888 cu.ft.
Bulk Cement (4 silos)	9,888 cu.ft.
Sack Storage	5,000 sacks

Power Equipment

Main Power	Four (4) Wartsila 12V26 engines each rated 5,228 HP (3,900 KW) @ 900 rpm, driving ABB 4,430 kVA AC generators
Power Dist.	Twenty-one (21) ABB VFD Type ACS800 liquid cooled Multidrive

Well Control Equipment

Diverter	GE KFDJ 500, 27-1/2" maximum bore; 500 psi WP
BOP Stack	18-3/4 in. x 15K BOP stack comprising of two (2) Cameron TL double ram preventers and one (1) Cameron DL 10K annular preventer
BOP Handling	NOV SAB-300-180M Hydraulic Overhead Crane with 2 lift points on 1 Lifting Fork, total SWL 150 MT; two (2) NOV hydraulic BOP service hoists, total SWL 32 MT; four (4) BOP / X-mas Tree Skidding System, SWL 150 ST

Cranes

Three (3) NOV OC3500L CE pedestal cranes with 152.5 ft (46.5 m) boom rated to 85 MT at 7.9 m (26 ft), whip line rated to 17.5 MT

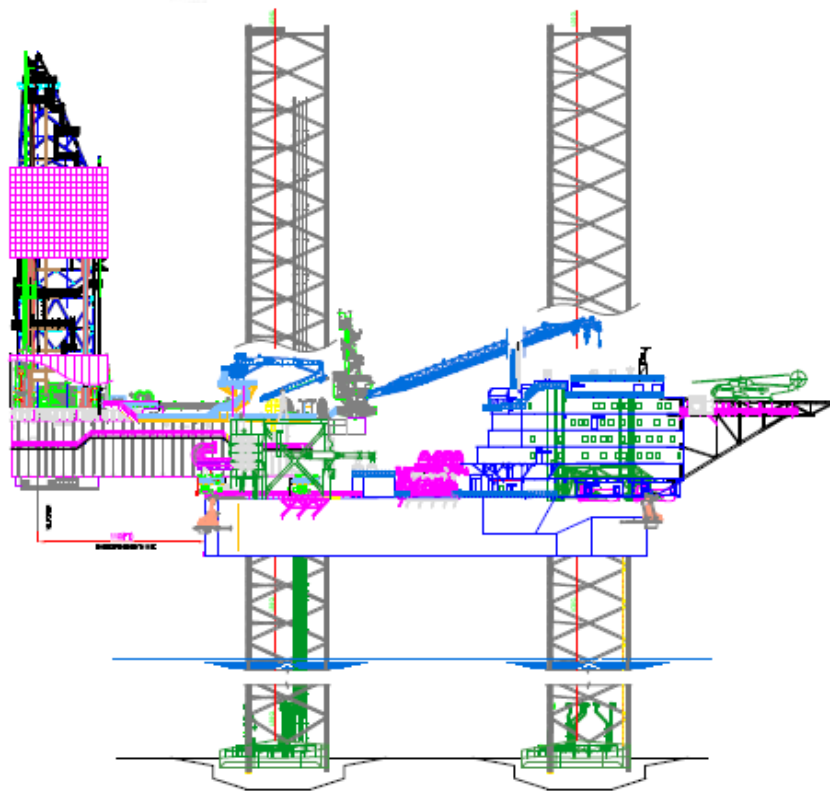
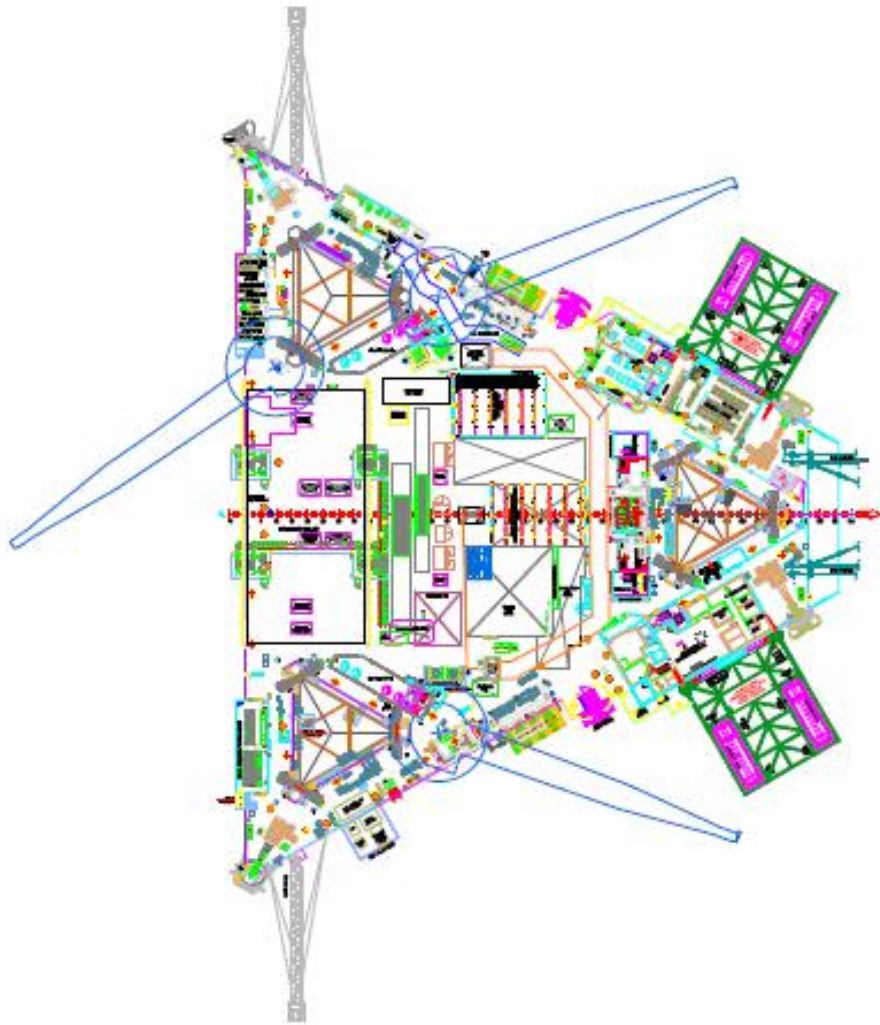
Special Features

Capable of racking drill pipe stands (up to 5-7/8 in with 4 joints R2 or 3 joints R3) and casing stands (up to 14 in) offline. GustoMSC X-Y skidding system providing large drilling envelope of 110 ft x 73.8 ft. Integrated MPD (Managed Pressure Drilling) system hardware & control system. Suitable for harsh environment. Norwegian AoC & UK Safety Case available.

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These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Shelf Drilling policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.



Shelf Drilling Bask

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