



**Noble Lloyd Noble**  
*will be renamed* **Shelf Drilling Barsk**  
**492 Foot Jack-Up Drilling Unit**

**General Description**

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

*\*depending on water depth and geographical location*

**Drilling Equipment**

<b>Derrick</b>	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
<b>Drawworks</b>	NOV SSGD-1000-5750-55-82-10.5 AC Drawworks, 5,750 HP rated input power driven by five (5) 1,150 HP motors
<b>Rotary Table</b>	NOV RST-495 with hydraulic motor, 49-1/2 maximum opening, rated 2,000 kips (907 MT)
<b>Top Drive</b>	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
<b>Pipe Handling</b>	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
<b>Mud Pumps</b>	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
<b>Solids Control</b>	Six (6) Axiom AX-1 shale shakers 1,000 GPM each
<b>Instrumentation</b>	NOV Smart Drilling Instrumentation (SDI) 100 system & Drilling Control and Data Acquisition (DCDA) Cyber-base drilling instrumentation

**Storage Capacities**

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

**Power Equipment**

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

**Well Control Equipment**

<b>Diverter</b>	GE KFDJ 500, 27-1/2" maximum bore; 500 psi WP
<b>BOP Stack</b>	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
<b>BOP Handling</b>	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

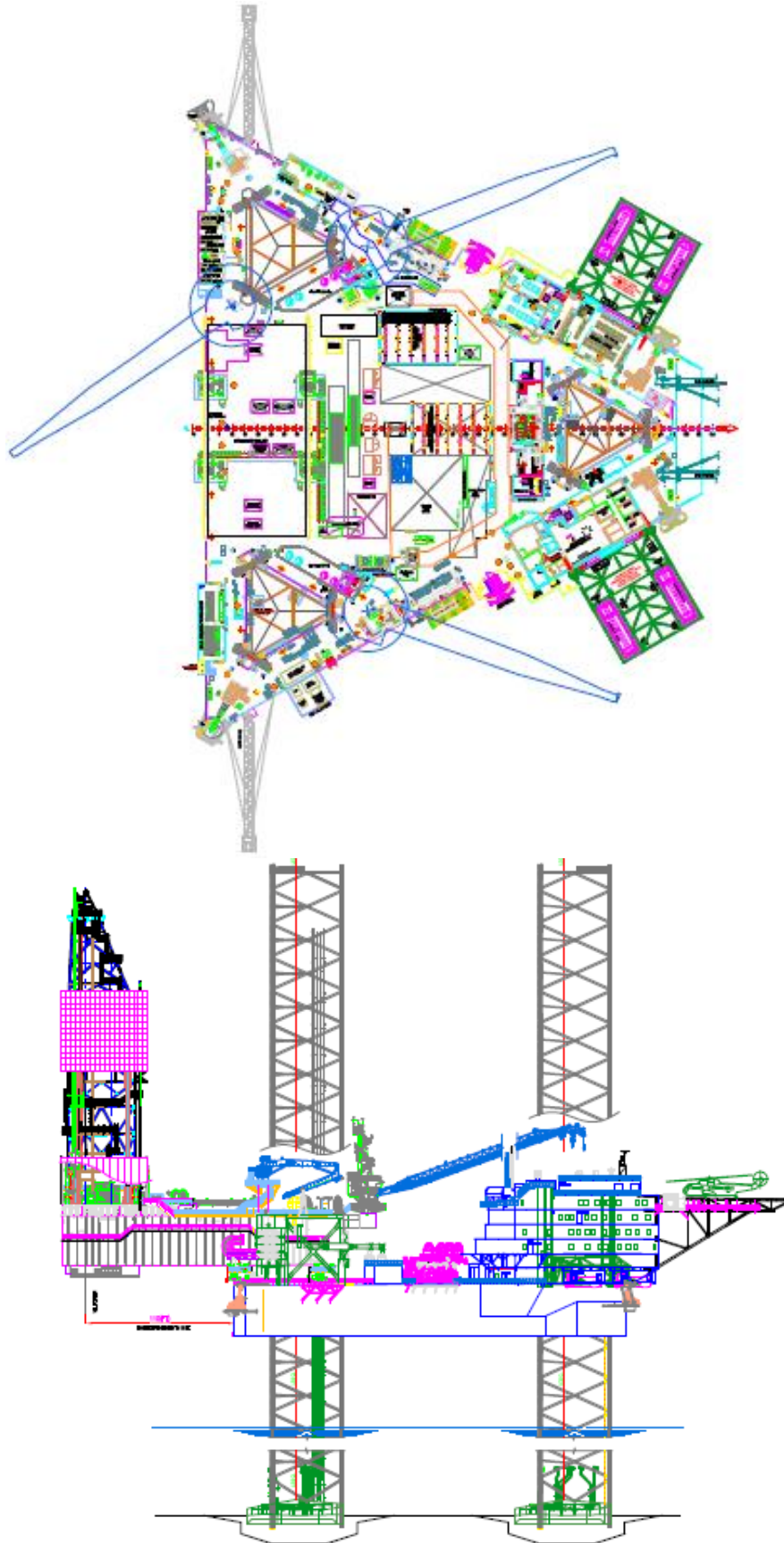
**Special Features**

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.

*R-Oct-2022*



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.



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