This drilling jack-up unit has a modern and field proven design with a full 375ft water depth capability. Decked with an NOV Drilling Package, she has a rate drilling depth of 30,000ft, upgraded quarters for up to 120 persons and a large mud and bulk capacity.
## MAIN PARTICULARS

### General

<table>
<thead>
<tr>
<th>Design</th>
<th>GustoMSC CJ46-X100D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jack-up type</td>
<td>Independent-leg type jack-up</td>
</tr>
<tr>
<td>Classification</td>
<td>ABS</td>
</tr>
<tr>
<td>Class notations</td>
<td>ABS *A1, Self-Elevating Drilling Unit</td>
</tr>
<tr>
<td>Year Built</td>
<td>2015</td>
</tr>
</tbody>
</table>

### Main Dimensions/Technical

<table>
<thead>
<tr>
<th>Length of Hull</th>
<th>65.25 m (214 ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breadth of Hull</td>
<td>62.00 m (203 ft)</td>
</tr>
<tr>
<td>Depth of Hull</td>
<td>8.00 m (26 ft)</td>
</tr>
<tr>
<td>Design Draft</td>
<td>4.50 m (15 ft)</td>
</tr>
<tr>
<td>Design Water Depth</td>
<td>114.3 m (375 ft)</td>
</tr>
<tr>
<td>Drilling Depth</td>
<td>9,144 m (30,000 ft)</td>
</tr>
<tr>
<td>Type of Legs</td>
<td>Triangular open truss X-braced structure</td>
</tr>
<tr>
<td>Leg Length</td>
<td>154 m (505 ft)</td>
</tr>
<tr>
<td>Size</td>
<td>10 m chord centre to centre</td>
</tr>
<tr>
<td>Aft Leg Centres</td>
<td>46.00 m (151 ft)</td>
</tr>
<tr>
<td>Centreline Aft Legs to Forward Leg</td>
<td>40.00 m (131 ft)</td>
</tr>
<tr>
<td>Accommodation</td>
<td>Upgraded to 120 persons</td>
</tr>
<tr>
<td>Helicopter Deck</td>
<td>Design for helicopter S61N, 22.2 x 22.2 m</td>
</tr>
</tbody>
</table>

## STORAGE CAPACITIES

<table>
<thead>
<tr>
<th>Main Deck Pipe Rack</th>
<th>500 ton (1,100 kips)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cantilever Pipe Rack</td>
<td>360 ton (800 kips)</td>
</tr>
</tbody>
</table>
Variable Load at Operating Drilling Condition
Variable Load at Max Elevated H.

Fixed tanks are provided in the hull with capacities:
- Fuel Oil 800 m³ (28,251 ft³)
- Potable Water 450 m³ (15,891 ft³)
- Drill Water 2,000 m³ (70,629 ft³)
- Pre-Load 10,500 m³ (370,804 ft³)
- Liquid Mud 740 m³ (26,132 ft³)
- Brine 200 m³ (7,063 ft³)
- Base Oil 200 m³ (7,063 ft³)
- Mud Treatment 40 m³ (1,412 ft³)
- Bulk Barite/Bentonite tanks 212 m³ (7,486 ft³)
- Bulk Cement tanks 212 m³ (7,486 ft³)

A sack store is laid out for 5,000 sacks

**DRILLING PACKAGE**

**Drilling Equipment**

- **Derrick**
  NOV SSBN 750 – 35 ft x 35 ft x 160 ft
- **Drilling Depth**
  9,144 m (30,000 ft)
- **Drilling Envelope**
  21.34 m x 6.05 m (70 ft x 20 ft)
- **Hook Load**
  750 Short ton (1,500 kips)
- **Draw-works**
  NOV D3000AC 3 x 1000 HP, Low gear 775 ton (1,550 kips), high gear 313 ton (626 kips)
- **Drill Line Reel**
  NOV W-DLR-S 1 3/4", Skid mounted
Racking Capacity | 30,000 ft
---|---
Top Drive | NOV TDS-8SA, 750 tons with retractable dolly
| 917 kW (1,150 HP), Drilling torque 62,250 ft-lbs, with a maximum speed of 270 RPM
Pipe Handling | PH-100
Iron Roughneck | NOV AR3200M, 3 1/2" drill pipe, 9 3/4" drill collars, 2,000 ft-lbs (2,710 Nm)
Rotary Table | NOV D-495, 49 1/2" inch Hydraulic-Driven

### Well Control Equipment

**BOP** | NOV Spherical, 18 3/4", 15,000 psi compact dual rams complete with 15 1/2" MPL operators
---|---
**BOP Air Hoist** | 4 x NOV 37.5 ton (82 kips)
**Conductor Tensioner** | 227 mt (500 kips)
**Diverter** | 49 1/2" NOV fixed type 500 psi
**Choke and Kill** | NOV, Working pressure 15,000 psi
| 2 each 3 1/16" hydraulic choke
| 2 each 3 1/16" manual choke

### Mud System

**Mud Pumps** | NOV 14-P-220, 3 x 2,200 HP
---|---
**Pressure Rating** | 7,500 psi
**Gumbo Box** | NOV Brandt 6' Dual Gumbo Box
**Shale Shakers** | 4 units NOV Brandt King Cobra
**Mud Conditioner** | NOV Brandt King Cobra 24/3

### Cantilever & Skidding System

**Type** | GustoMSC X-Y Skid System
---|---
**Number** | 4 x 350 ton (772 kips)
Longitudinal & Transverse Reach 21.34 m (70 ft) & 6.05 m (20 ft)
Combined Load 1,134 ton (2,500 kips) ~ 680 ton (1,500 kips)

**POWER**

Main Generators 5 x CAT 3516C HD, 1,500 ekW
Emergency Generator 1 x CAT 3516C HD, 1,500 ekW

**JACKING SYSTEM**

Number 3 x 18 pinions from GustoMSC
Drive AC electric, variable speed
Normal Jacking 215 ton (479 kips) per pinion
Pre-Load Jacking 296 ton (653 kips) per pinion
Normal Holding Load 400 ton (882 kips) per pinion
Severe Storm Holding Load 533 ton (1,175 kips) per pinion
Normal Jacking Speed 0.45 m/min
Pre-load Jacking Speed 0.3 m/min
Leg Handling 0.68 m/min

**FIXATION SYSTEM**

Number 18 from GustoMSC
Drive AC electric

**LIFTING EQUIPMENT**

Deck Cranes 3 x FAVCO 50 ton (110 kips) @ 9.1m (30ft); auxiliary hoist 10 ton (22 kips) @ 41.1m (135 ft)