**General Description**

**Design / Generation**
- 4th gen. Polar (Sonat) Hitachi

**Constructing Shipyard**
- Hitachi Zosen, Ariake, Japan

**Year Entered Service / Significant Upgrades**

**Classification**
- DNV, 1A1, ICE-T (1C), HELDK, DRILL, POSMOOR-ATA

**Flag**
- Marshall Islands

**Dimensions**
- 400 ft. long x 292 ft. wide x 137 ft. deep

**Drafts**
- 76 ft. operating / 30 ft. transit

**Accommodation**
- 114 persons

**Displacement**
- 46,440 mt operating / 32,554 mt transit

**Variable Deck**
- 2,975 mt operating / 2,382 mt transit

**Transit Speed**
- up to 6 knots

**Maximum Water Depth**
- 1,640 ft. designed / 1,640 ft. outfitted

**Maximum Drilling Depth**
- 25,000 ft

**Drilling Equipment**

**Derrick**
- Maritime Hydraulics, 170 ft. high, with 40 ft. x 40 ft. base

**Hookload Capacity**
- 1,000,000 lbs. gross nominal capacity

**Drawworks**
- Continental Emsco C3, 3,000 hp, with 1-1/2 inch drilling line, Baylor 7838 eddy current brake

**Compensator**
- Maritime Hydraulics CBC 270-25 with a 25 ft. stroke, and rated at 610,000 lbs. compensated and 1,000,000 lbs locked active heave compensation

**Rotary Table**
- Continental Emsco T4950 49-1/2 inch opening rated to 1,300,000 lbs. and electrically driven

**Top Drive**
- Maritime Hydraulics DDM 650-HY 4 x Bosh Rexroth hydraulic motors; rated to 37,000 ft.-lbs. continuous drilling torque in low gear.

**Tubular Handling**
- Maritime Hydraulics MH996 pipe racking system with the capacity for up to 110 stands of 6-5/8 inch drill pipe

**Mud Pumps**
- 3 x Continental Emsco FB1600 triplex pumps, each driven by 2 x GE 752 traction motors

**HP Mud System**
- Rated for 5,000 psi

**Solids Control**
- 4 x Axiom AX-1 shale shakers

**Power & Machinery**

**Main Power**
- 5 x Bergen KVG-18 diesel engines rated at 2,750 kW each driving AC generators. Situated in two engine houses, total power 13750 kW

**Emergency Power**
- 1 x MTU 12-396 diesel engine rated 1,137kW, driving 1 x AC generator

**Power Distribution**
- 16 x ABB SCR rated at 8,880 kW, switchboards with AC generator protection

**Storage Capacities**

<table>
<thead>
<tr>
<th>Storage</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Oil</td>
<td>16,143 bbl @ 100%</td>
</tr>
<tr>
<td>Liquid Mud</td>
<td>1,720 bbl Active / 1,973 bbl Reserve</td>
</tr>
<tr>
<td>Brine</td>
<td>5,477 bbl</td>
</tr>
<tr>
<td>Drill Water</td>
<td>12,265 bbl</td>
</tr>
<tr>
<td>Potable Water</td>
<td>5,172 bbl</td>
</tr>
<tr>
<td>Bulk Material</td>
<td>28,012 cu.ft @ 100%</td>
</tr>
<tr>
<td>Sack Storage</td>
<td>1,500 sacks</td>
</tr>
</tbody>
</table>

**BOP & Subsea Equipment**

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOP Rams</td>
<td>2 x Hydri Type 18-15M 18 ¾ inch 15,000 psi 5 ram preventer (1 x Double Ram Compact &amp; 1 x Triple Ram Compact), with 1 x LMRP</td>
</tr>
<tr>
<td>BOP Annulars</td>
<td>1 x Hydri GX 18-3/4 inch 10,000 psi annular preventer.</td>
</tr>
<tr>
<td>BOP Handling</td>
<td>BOP crane: Aker MH AS Protea 364-MV201 overhead gantry crane with 2 x 150 mt main hoists. 1 x Aker MH AS Protea 10-MX101 trolley rated at 300 mt</td>
</tr>
<tr>
<td>Marine Riser</td>
<td>Hughes HMF 21 inch OD riser with 3-1/2 inch choke and kill lines, working pressure 15,000 psi</td>
</tr>
<tr>
<td>Tensioners</td>
<td>8 x Wichman tensioners rated at 45 mt each and a stroke length of 12.5 ft. and a total line travel of 50 ft.</td>
</tr>
<tr>
<td>Diverter</td>
<td>Hughes KFDS rated at 500 psi with 14 inch overboard lines</td>
</tr>
<tr>
<td>Tree Handling</td>
<td>4 x 65 mt Xmas tree hydraulic skid plates with 1 x Xmas tree tractor cart</td>
</tr>
<tr>
<td>Moonpool</td>
<td>20 mt. length x 59 ft. width</td>
</tr>
</tbody>
</table>

**Station Keeping / Propulsion System**

<table>
<thead>
<tr>
<th>System</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thrusters</td>
<td>4 x Liany TCN 105/75-280 rated at 2,400 kW azimuthing</td>
</tr>
<tr>
<td>Mooring System</td>
<td>4 x double Pusnes windlasses 8 x Verhov Stevshark MK-5 15 mt rated anchors with 5 mt of ballast using 84mm x 6,000 ft (nominal) stud link chain</td>
</tr>
</tbody>
</table>

**Cranes**

| Crane #1           | 1 x NOV OC3000 crane and rated at 65 mt |
| Crane #2           | 1 x Liebherr BOS-4200-50 crane rated at 50 mt |

**Other Information**

| Helideck           | Rated for Sikorsky S-61 or S-92 and Super Puma helicopters |

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 Transocean standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

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