HIGHLIGHTS

The Rowan UDW Drillships are GustoMSC P10,000 design. Each is capable of drilling wells to depths of 40,000 feet in waters of up to 12,000 feet with the following primary characteristics:

- DP-3 compliant, dynamically-positioned with retractable thrusters
- Dual-activity capable: active-heave drawworks on main and auxiliary load paths with supplemental crown-mounted compensation on main (use subject to possible patent coverage in applicable jurisdictions)
- Maximum hook-load capacity of 1,250 tons
- Two seven-ram BOPs incorporating full acoustic backup control with storage and handling facilities for both BOPs
- Five mud pumps with dual mud systems
- Hull integration with below-deck storage for 12,000 ft. of riser
- Four million pound riser tensioning system
- Three 100-ton knuckle boom cranes
- One active-heave 165-ton crane for simultaneous deployment of subsea equipment
- Variable deck load capacity of 20,000 tons
- Accommodations for 210 POB

DESIGN

Design: GustoMSC P10,000
Shipyard Delivery: Q2 2015
Shipyard: Hyundai Heavy Industries

Classification Agency: ABS
Flag State: Marshall Islands
Drilling Systems: NOV
Subsea Systems: Cameron

Class Notations:
+A1, Drillship, Circle E, +AMS, +ACCU, +DPS-3, SH-DLA, SFA(25), UWILD, NBL, CRC, CPS, HELIDK(SRF), ENVIRO-05+

GENERAL SPECIFICATIONS

Length, overall: 752.0 ft.
Breadth: 118.1 ft.
Depth at Side: 59.6 ft.
Draft (Max. Operating): 36.1 ft.
Transit Draft: 31.2 ft.
Displacement: 69,900 mt
Deadweight: 44,500 mt
Rated Max. Water Depth: 12,000 ft.
Moonpool, Opening at Baseline: 73.5 ft. by 42 ft.
Max. Drilling Depth: 40,000 ft.
Variable Deck Load: 20,000 mt
Autonomy: Minimum 75 days
Max. Wave Height: Drilling condition: 19.7 ft. Survival condition: 42.7 ft.
Heliport - can accommodate: Sikorsky S-92 or equiv.
PROPULEION & POWER

DP Class:
DPS-3

Main Engines:
(6) Himsen 8,000 KW prime mover

Emergency Power:
1,500 KW

Thrusters:
(6) 5,000 KW azimuth type, self-retracting canister

CAPACITIES

Diesel Fuel Oil:
47,173 bbls

Drillwater:
18,240 bbls

Liquid Mud:
18,869 bbls

Bulk Storage:
5,660 bbls

Fresh Water:
8,805 bbls

Base Oil
6,918 bbls

Brine/Completion Fluid:
7,547 bbls

Sack Storage:
8,500 sacks

Ballast:
124,527 bbls

DRILLING EQUIPMENT

Derrick:
Main: 1,250 st
Aux: 750 st

Racking Capacity:
40,000 ft (drillstring and casing)

Setback:
1,750 st

Top Drives:
NOV, Dual AC top drive systems
Main: 1,250 st
Aux: 750 st

OTHER PARTICULARS

Accommodation:
210 POB

Mud Pumps:
(5) 2,200hp, 7.5k psi working pressure

BOP Stack #1:
(2) 10k psi annular, 7 ram 15k psi BOP

BOP Stack #2:
(2) 10k psi annular, 7 ram 15k psi BOP

Diverter:
72" 500 psi working pressure

Choke and Kill Manifold:
15k psi working pressure, H2S rated, (2) auto and (2) manual choke design

Drawworks:
Main: 1,250 st, 9,000 hp active heave
Aux: 750 st, 5,750 hp active heave

Rotary Table:
Main: 75.5", 1,250 st
Aux: 60.5", 1,000 st

Iron Roughnecks:
(2) 3 1/2"-20"

Mud Manifold:
5" x 7.5k psi working pressure standpipe, main and aux

Cement Manifold:
15k psi working pressure/ dual standpipe

Motion Compensator: Main
1,250 st AHD and 500 st CMC (passive)

Motion Compensator: Aux
750 st AHD

Control System:
CIW Mark-3 multiplex control system
### RISER SYSTEMS

**Riser:**
Cameron “Load King” 3.5m lbs, 21¼” OD, 1” wall thickness x 75 ft joints integrated support ring

**Riser Tensioning:**
4m lbs: (16 x 250kip single unit marine wireline tensioner)

**Riser Length:**
12,000 ft. – below deck storage

### LIFESAVING SYSTEMS

**Lifeboats:**
(6) 70 persons

**Rescue Boat:**
(1) 6 persons

**Life Rafts:**
(18) 25 persons

**Life Jackets/Buoys:**
600/15

### HANDLING SYSTEMS

**Cranes:**
(3) 100 mt; (1) 165 mt AHC, maximum 12,000 ft. water depth;
(1) 20 mt (poop deck crane)

**Tubular Handling:**
Dual Hydraracker, extended reach (column type) 3½” to 14”

**Riser Handling:**
(2) riser gantry cranes (below deck) fully redundant;
47 mt riser catwalk machine with tailing arm

**BOP Handling:**
(2) 270 mt overhead gantry cranes with 600 mt BOP trolley, provides full access to both BOP storage areas

**Xmas Tree Handling:**
(2) 15 mt overhead gantry cranes

**LMRP Handling:**
Utilizes BOP handling system

**Additional:**
Riser Hang Off cart 1,000 mt, (2) 120 mt Xmas tree skids