HAKURYU-12

HAKURYU-12 is a 400 ft operating water depth self-elevating cantilever jack-up drilling rig, built by PPL Shipyard Pte. Ltd. using the Baker Marine Design.

HAKURYU-12 is a high standard unit sized for large Variable Deck Load (VDL), useful deck space, 150 Person On Board (POB), full preload jacking capability, deep water drilling operation (400 ft water depth), deep drilling (30,000 ft drilling depth), High Pressure High Temperature (HPHT) drilling and zero discharge operation.

The cantilever design allows the rotary table to be skidded out to a maximum of 75 ft from the transom and 15 ft from the centre line.


design:
PPL Pacific Class 400: 3 legs self-elevating, cantilever type mobile offshore drilling unit.

Classifications held:
Classified by American Bureau of Shipping (ABS 2012), Inclusive Rule Change Notice 2 (RCN 2) and Maltese Cross A1, Self-Elevating Drilling Unit, IMO Code of Construction and Equipment of Mobile Offshore Drilling Unit (MODU Code 2009).

flag:
Panama.

Main Dimensions and particulars:
- Hull Overall Length (molded): 236.5' (72.1m)
- Hull Breadth (molded): 224.4' (68.4m)
- Hull Depth (molded): 27.9' (8.5m)
- Hull Breadth (molded): 224.4' (68.4m)
- Hull Overall Length (molded): 236.5' (72.1m)
- Main engines:
  - Five (5) Caterpillar 3516CHD engines,
  - Five (5) Kato GP6-3300 generators,
  - Leroy Somer LSA-49.1 generator,
  - 1,020 KVA @1,800 rpm, 480 V, 60 Hz.

Mud circulation equipment:
- Mud pumps:
  - Three (3) NOV 14-P-220, 7,500 psi WP, Two (2) 1,150 hp AC motors driven.
- Mud treatment system:
  - Three (3) NOV 14-P-220, 7,500 psi WP, Two (2) 1,150 hp AC motors driven.
- Mud cleaner:
  - NOV-Brandt desander cone (3 x 10") and desilter cone assembly (4" x 24 cones).
- Divers:
  - Vezco Gray, KFDJ-500 Fixed Type, 49-1/2".

Jacking equipment:
- Jacking units:
  - 36 NOV-BLM D88 jacking units with 72 active pinions.
  - NOV Cyberbase
- 36 NOV-BLM D88 jacking units with 72 active pinions.
- NOV D-495-75, hydraulic motor driven.
  - Two (2) Cameron TL 18-3/4" 15,000 psi Double Ram. Dual 15,000 psi choke & kill lines.

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