SAGADRIL 2

Sagadril 2 (Ex-Hakuryu-VII) is a Mitsubishi MD T76J-VII self-elevating cantilever jackup drilling rig, jointly designed by Japan Drilling Co., Ltd. and Mitsubishi Heavy Industries and commissioned in March 1981 at MHI’s Hiroshima shipyard.

The rugged design permits operations in water depths of up to 300 feet while drilling to a rated drilling depth of 20,000 feet.

The cantilever provides a drilling envelope extending from 10 ft to 45 ft aft of the stern and 12 ft either side of the rig’s centerline enabling the rig to access multiple wells on platforms without having to relocate.

The spud cans can be fully retracted into the hull allowing easy loading onto dry transport vessels for safer and quicker mobilization.

Cantilever capacity was extended to 45 ft outreach from 40 ft in 2000.

DESIGN:
Mitsubishi MD T76J-VII self-elevating cantilever jackup drilling rig with three triangular trussed independent legs.

CLASSIFICATIONS HELD:
Class NK (Nippon Kaiji Kyokai); NS* Self-elevating Drilling Unit.

MAIN DIMENSIONS:
Length (molded) ........................................... 193.57' (59 m)
Breadth (molded) ........................................... 183.72' (56 m)
Length (molded) ........................................... 193.57' (59 m)

MAIN ENGINE:

Main Engines: Four Niigata diesel 12V22AX engines, 1,865 hp (1,891 PS) x 1,200 rpm.
Main Generators: Four Mitsubishi Electric CFC generators, 1,857 KVA at 1,200 rpm, AC 600V, 60 Hz.
Emergency Use: One Niigata diesel 6L20AX engine, 783 hp (600 PS) at 900 rpm and one Mitsubishi CFC 500 KVA at 1,200 rpm, AC 600V, 60 Hz.

OTHER EQUIPMENT:

BOP Crane: 40 tonnes (20 ton + 20 ton) Double Hook BOP Crane.

MUD PUMP & CIRCULATION EQUIPMENT:

Mud Pumps: Two National 12-P-160 triplex, each driven by two Mitsubishi Electric 800 hp DC motors.
Desander: One Pioneer Model S3-12, 1,500 gpm capacity
Desilter: One Pioneer Model T-16-4, 800 gpm capacity (Maximum)
Mud Cleaner: One Brandt type ALT1000, 800 gpm capacity (Maximum).
Centrifuge: One Swaco Model 518
One Derrick DE-1000
Degasgers: One Derrick Invacu-Flow TM-1000 Vacuum Degasger

OTHER EQUIPMENT:

Cementing Unit: Lease item.
Cranes: Two OBE Machinery and Engineering Co., Model OED-360, capacity 30 tonnes at 39' (11.9 m)
Water Maker: Two Alfa Laval ORCA-50, 50 tonnes/day* per unit
Anti-pollution Equip.: One Omnipure Model 12MX sewage treatment unit
One Turbulo Bilgewater Separator/ Type MPB-5, oily water separator