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High Specification Jackup

General Description

Design / Generation	Friede & Goldman JU 2000(modified)
Constructing Shipyard	PPL Shipyard PTE Ltd, Singapore
Year Entered Service / Significant Upgrades	2003
Classification	ABS
Flag	Vanuatu
Overall Dimensions	335ft long x 260.5ft wide x 31ft deep
Legs	3 x 548ft. long; Triangular
Drafts	Loadline 21ft
Accommodation	120 persons
Displacement	48,826.45kips (22147.53tons)
Variable Deck	12,084kips operating / 8110kips transit
Transit Speed	N/A
Operating Water Depth	400ft designed / 400ft outfitted
Maximum Drilling Depth	30,000ft

Drilling Equipment

Derrick	Single National Oilwell / DRECO, 170ft. high, with 40ft long, 40ft. wide base.
Hookload Capacity	2,000,000lbs. gross nominal capacity (static 1,600,000lbs 14 lines).
Cantilever	15ft / 75ft reach aft, 15ft. port / 15ft. stbd.
Drawworks	National Oilwell1625-UDBE,3xGE-752 Hi Torque electric motors; 3,000hp,1,420,000lbs with 14 1-3/4" drilling lines.
Rotary Table	National Oilwell D-495 49-1/2" hydraulic, 800st with a maximum continuous torque rating of 33,190ft. lbs.
Top Drive	National Oilwell PS2 650/750, 680st capacity, with AC motor, rated to 47,870ft/lbs. continuous drilling torque in low gear.
Tubular Handling	Arm mounted Hawkjaw Iron roughneck.National-Oilwell derrick Star Racker system. Horizontal to Vertical Trolley system.
Mud Pumps	3 x National-Oilwell 2,200hp triplex pumps, each driven by 2 x GE 752 traction motors rated at 2,200hp each.
HP Mud System	Rated for 7,500 PSI.
Solids Control	5 x Swaco Mongoose Balanced Elliptical Shale Shakers.

Power & Machinery

Main Power	6 x Caterpillar 3516B diesel engines rated at 1,383KW 1,383kW,1,200rpm, each driving 1,150kVA Caterpillar SR4 generators.
Emergency Power	1 x Caterpillar 3508 diesel engine rated 960kW at 1,800 rpm and driving 1 x Caterpillar SR4 480 volt generator.

Storage Capacities

Fuel Oil	3,958 bbl
Liquid Mud	4,727 bbl
Base Oil	1,377 bbl
Brine	900 bbl
Drill Water	12,300 bbl
Potable Water	2,140 bbl
Bulk Material	(mud + cement) 17,920 cu.ft
Sack Storage	5,000 sacks

BOP & Well Control Equipment

BOP Rams	Hydril 18 - 3/4", 15,000psi pressure capability; 4-ram preventer; (2 x doubles).
BOP Annulars	Hydril 18 - 3/4", 10,000psi pressure capability; 1 x Hydril GX 18-10M Annular BOP Assembly.
BOP Handling	Overhead MOS Bridge Crane 125st. 2 each 15st MOS Maintenance Cranes.2 each MOS BOP Hydraulic Skid Carts.
Diverter	49.5". 1000PSI ABB Vetco Gray KFDJ-1000 diverter with a 2 x 16". flow line and 16" overboard lines.

Mooring Equipment

Mooring Winches	4 x Intercontinental SD 200, 75,000 lbs pull capacity.
Anchor Lines	4 x Brydon RRL 6 x 36 IWRC 2" galvanized 3,000ft.
Anchors	4 x Delta Flipper 7.5ton rated.

Cranes

Port & Stbd. Cranes	2 x 55.6st National Oilwell Kingpost 72 DNS Cranes.
Stb. Fwrd. Crane	1 x 55.6st National Oilwell Kingpost 60 DNS Cranes.
Knuckle-Boom Crane	1 x 55.6st Hydralift KMCVCT 1891 Knuckle Boom crane, dedicated to bucking unit (drill pipes up to 9 1/2" and casing up to 13 3/8").

Special Features & Other Information

Helideck	Rated for Sikorsky S61N, Sikorsky S92 & Eurocopter EC-225 helicopters.
Work Offline (WO)	Ability to make up drilling stands and casing up to 13-3/8" offline.
Tensioning System	2 Systems providing primary vertical tension and lateral stability to the conductor string and secondary vertical tensioning to compensate for BOP stack loading.
RPD System	Automated system providing real time feedback to the Operator and Jacking System to allow safe and efficient management of jacking and positioning legs.
Containment Sys	Built for zero discharge and containment to meet all of today's environmental issues and concerns.



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

