

Balder

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High Specification Jackup

General Description

Design / Generation	Friede and Goldman JU 2000(modified)
Constructing Shipyard	PPL Shipyard PTE Ltd., Singapore
Year Entered Service / Significant Upgrades	2003
Classification	ABS (2000 Rules)
Flag	Vanuatu
Overall Dimensions	335ft. long x 260ft. wide x 31ft. deep
Legs	3 x 548ft. long, Triangular
Drafts	Load line Draft 21ft
Accommodation	120 persons
Displacement	(Load line) 48,826kips (24375.63st)
Variable Deck	12,084kips operating / 8110kips transit
Transit Speed	N/A
Operating Water Depth	400 ft. designed / 400 ft. outfitted
Maximum Drilling Depth	30,000 ft.

Drilling Equipment

Derrick	National Oil Well / Dreco Derrick 170ft.high,with 40ft. long 40ft.wide base.
Hookload Capacity	2,000,000lbs. gross nominal capacity (static 1,600,000lbs 14 lines)
Cantilever	75ft. reach, forward / aft 15ft. port / 15ft. stbd.
Drawwork	National Oilwell 1625-UDBE with 3 x GE 752 traction motors rated to 3,000hp with 1-3/4" lines rated for 12 lines at 1,420,000lbs.
Rotary Table	National D-495 49-1/2" rated to 800st with a maximum continuous torque rating of 33,190ft. lbs.
Top Drive	National PS2/650/750 electric with a rating of 750st and 1,000hp with a continuous torque rating of 47,870ft. lbs.
Tubular Handling	National Oilwell IR-170 PSA iron roughneck
Mud Pumps	3 x National-Oilwell 2,200hp triplex pumps, each driven by 2 x GE 752 tractionmotors rated at 2,200hp each.
HP Mud System	Rated for 7,500psi
Solids Control	5 x Derrick FLC 2000 shale shakers

Power & Machinery

Main Power	5 x Caterpillar 3516B diesel engines rated at 1,855hp each, each driving 1 x Caterpillar SR4 910 kwgenerator.
Emergency Power	1 x Caterpillar 3508 diesel engine rated at 1,288 hp at 1,800 rpm and driving 1 x Caterpillar SR4 480 volt generator.

Storage Capacities

Fuel Oil	3,958 bbls
Liquid Mud	4,727 bbls
Base Oil	1,377 bbls
Brine	990 bbls
Drill Water	12,360 bbls
Potable Water	2,140 bbls
Bulk Material	(mud + cement) 17,920 cu.ft.
Sack Storage	5,000 sacks

BOP & Well Control Equipment

BOP Rams	Hydril 13-5/8" 15,000psi BOP with 2 x 15,000psi double ram preventers.
BOP Annulars	1 x Hydril 13-5/8" 10,000psi annular preventer.
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 inch flow lines.

Mooring Equipment

Mooring Winches	4 x Intercontinental SD 200, 75,000 lbs pull capacity.
Anchor Line	4 x Brydon RRL 6x36 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.

