



RIG FLEET SPECIFICATIONS

Rig Type	Independent Leg Self Elevating Cantilever Jack-Up
Design	Keppel FELS CS Mod V
Previous Names	<i>Trident 20, Gurtulush</i>
Year Constructed	2000
Built By	Keppel-FELS, Singapore; Assembled by CSC, Baku
Classification	ABS 1A1, IMO MODU
Flag	Liberia
Min/Max Water Depth	6 m to 107 m (20 ft to 350 ft)
Max Drilling Depth	7,925 m (26,000 ft)
Accommodation	100 berths
Helideck	21 x 25 m (70 x 82 ft) rated for S61-N or Mi-8
Operating Conditions	Wave: 11.3 m (37 ft) @ 14 sec; Wind: 70 knots; Surface Current: 1.5 knots
Storm Conditions	Wave: 15.8 m (52 ft) @ 14 sec; Wind: 100 knots; Surface Current: 1.5 knots

VESSEL

TECHNICAL DIMENSIONS

Hull Dimensions	69 m x 67 m x 9 m (228 ft x 221 ft x 30 ft)
Loadline Draft	5.8 m (19 ft)
Lightship Draft	5.5 m (18 ft)
Variable Deck Load (VDL)	Operating: 3,900 mt (4,300 st) Transit: 5,505 mt (6,068 st) Jacking: 3,725 mt (4,106 st) Survival: 2,975 mt (3,279 st)

MACHINERY

Main Power	4 x Cummins-Wartsila 12V200 (2,800 hp); 4 x Leroy-Summer 2,000 kW generators
Emergency Power	1 x Cat 3508 (1,019 hp) driving 1 x Kato 715 kW generator, 480 V, 60 Hz
Power Distribution	M & I seven bay SCR system
Deck Cranes	3 x BLM elec-hyd RC 50 cranes, 300 kW; Whipline: 8 mt (9 st) @ 39 m (127 ft); Main Block: 50 mt (55 st) @ 9 m (30 ft)

JACKUP SPECIFICATIONS

Legs	Triangular 3 x 151 m (496 ft); Usable below hull: 132 m (434 ft)
Leg Spacing	Longitudinal 46 m (150 ft); Transverse 48 m (156 ft)
Spud Cans	Hexagonal, 250 m ² (2,690 ft ²) each
Jacking System	BLM, rack and pinion system
Cantilever	Transverse: 3.7 m (12 ft) each side of center Longitudinal: 13.7 m (45 ft) from transom

STORAGE CAPACITIES

Liquid Mud	695 m ³ (4,370 bbl)
Liquid Brine/Oil	305 m ³ (1,920 bbl)
Drill Water	2,387 m ³ (15,015 bbl)
Potable Water	375 m ³ (2,360 bbl)
Fuel Oil	500 m ³ (3,145 bbl)
Bulk Mud	164 m ³ (5,800 ft ³)
Bulk Cement	164 m ³ (5,800 ft ³)
Sack Material	5,000 sacks

MOORING EQUIPMENT

Winches	4 x Sagit JUW-075 elec. 103.4 mt (114 st)
Anchors	4 x Flipper Delta 3.5 mt (3.9 st)
Anchor Wire	4 x 800 m (2,625 ft) x 1½" (38 mm)

JACK-UP "Saturn"



DRILLING PACKAGE

DERRICK

Manufacturer/Type	Load Master
Dimensions	49 m x 12 m x 12 m (160 ft x 40 ft x 40 ft)
Max Hook Load	590 mt (650 st) with 14 lines
Racking Capacity	100 x 3½" DP, 176 x 5" DP, 130 x 6½" DP, 11 x 6½" DC & 16 x 8½" DC
Setback Capacity	295 mt (325 st)

DRAWWORKS

Manufacturer/Type	National UDBE 1625
HP Rating	3,000 hp driven by 3 GE 752 DC motors
Brakes	Emalgco 7838; Baylor NS-2025-BPM b/u

TOP DRIVE

Manufacturer/Type	Canrig 1275E AC
Output Power	1,150 hp
Rated Capacity	590 mt (650 st)
Continuous Torque	51,350 ft lbs @ 177 rpm

ROTARY TABLE

Manufacturer/Type	National Oilwell D-375
Rated Capacity	590 mt (650 st)
Max. Opening	37½" (952.5 mm)

MUD PUMPS

Manufacturer/Type	3 x National Oilwell 14P-220 Triplex
HP Rating	2,200 hp (each)
Max. Pressure	7,500 psi (515 bar)

SOLIDS CONTROL

Shale Shakers	2 x Derrick scalpers; 5 x Derrick shakers
Desander	2 x Derrick with 2 x 12" cones - FLC 2000
Desilter	2 x Derrick with 20 x 4" cones - FLC 2000

WELL CONTROL SYSTEMS

BOP Stack	1 x 18¾" (476 mm) x 10,000 psi (690 bar) Shaffer annular, H ₂ S certified; 2 x 18¾" (476 mm) x 15,000 psi (1,035 bar) Shaffer double ram, H ₂ S certified
Diverter	ABB KFDJ 30" (711 mm) nominal, 27½" (698.5 mm) ID, 500 psi (34 bar) WP
Control System	Shaffer Accumulator Unit; Accumulator capacity: 915 gallons
Choke & Kill	WOM 15,000 psi (1,035 bar) C&K manifold with 2 x hydraulic Swaco chokes, 1 manual choke & 15K by-pass lines, H ₂ S certified