Design: Keppel Fels MOD V B-CLASS Bigfoot Cantilever Jack-up

Status: Contracted

**MAIN DIMENSIONS**

Length (Including helicopter deck): 307' (93.57 m)

Breadth including anchor racks: 208' (63.39 m)

Hull Depth: 25' (7.62 m)

Leg Length: 469' (142.94 m)

Usable leg Length (below hull): 411' (125 m)

Spud Can Diameter: 53' (16.2 m)

Spud Can Area: 1,963.5 ft² (182.4 m²)

Drilling Envelope: 75' aft and 15' from center line

Gross Tonnage: 8,389 tons

Helideck size / rating: 73' / CAP 437

**DESIGN CRITERIA**

Max. Operating Water Depth: 300' with 98' air gap

Max. Rated Drilling Depth: 5" Drill Pipe 30,000'-4" Drill Pipe 20,000'

**STORAGE CAPACITY**

Fuel Oil: 5,335 bbls (848m³)

Drill Water: 3,828 bbls (608 m³)

Potable Water: 2,345 bbls (373 m³)

Liquid Mud: 3,100 bbls (492.8 m³)

Bulk Mud: 6,000 ft³ (169.9 m³)

Bulk Cement: 6,800 ft³ (192.6 m³)

Sack Storage: 5000 sacks

**MAX GROSS VARIABLE LOAD**

While Drilling: 3,655 tons, 8,065 kips

Jackin or Towing: 2,267 tons, 5,000 kips

Classifications Held: ABS A-1, CD5 & IMO MODU A649

**ACCOMMODATION**

Total: 150 POB

**POWER EQUIPMENT**

Main Engines: Five (5) units of CAT3515CHD 2,150 bhp, each output at 600V, 60 HZ, radiator cooling, total HP: 10,750HP

Main Generators: Five (5) CAT SR5 generators units rated at 1,606 kva, 0.8 pf, 600v, 60HZ, total of 8,020 KW.

Emergency Use: One (1) unit CAT 3512, 1000KW

**MOORING SYSTEM**

Anchors: Four (4) each

Anchor Wire: Four (4) each, 2" OD x 1000m length

Anchor Winches: Two (2) Broh/DIM300, Variable frequency drive motors , max 11.6 m/min x 33.7 kips, 5.8 m/min x 67.46 kips

**MUD CIRCULATION SYSTEM**

Mud Pumps: Three (3) NOV 14-P-220, 2200hp, Triplex, 750 psi

Shale Shakers: Five (5) SMI 300 shakers, 1500 gpm capacity each.

Degassers: One (1) NOV Brandt DG-10, vacuum type, 1000 ppm + mud gas separator

Desilfer: One (1) NOV Brandt desilfer 24 x 4'

Cement Mixer: Space & Provision available

**OTHER EQUIPMENT**

Cementing Unit: Client Provided

Cranes: Three (3) diesel driven Favelco cranes, 50 Tons at 40', 12 tons at 120'

Water Maker: Two (2) water makers, 70 tons/day each

**ANTI-POLLUTION EQUIPMENT**

Sewage Treatment: One (1) plant for 100 persons

Garbage Compaction: One (1) unit

Oily Water Separator: One (1) unit

**SURVIVAL EQUIPMENT**

Life Boats: Four (4) x 75 person

Life Rafts: Six (6) x 25 person (total 150 person capacity)

Fast Rescue Boat: One (1) x 6 person

**DRILLING EQUIPMENT**

Drawworks: NOV ADS-10T, 8000 HP, c/w disk brake , crown block fusty device, Zone 2 application.

Derrick: LCMoore, 160' with 36' x 36' base, 1,500,000 lbs static load capacity

Crown Block: LCMoore, 680 tons, 6 x 660" steel sheaves and 2 x fast line sheaves and 2x deadline sheaves.

Traveling Block: 750 tons, 760TB-750-8C with 7x 60" sheaves grooved for 1-5/8’’ drill pipe.

Top Drive: NOV TDS 8-SA, 750 tons, 1,150hp with max torque 36,000 ft-lb

Rotary Head: NOV, 85T495, 49-1/2”, rated 750 tons, Hydraulic

**BOP & DIVERTER EQUIPMENT**

Diverter: Fixed diverter system, 2 x 14’’ overboard line, 16” flow lines

BOPs: 13-5/8” CAMERON BOP Stack10,000 psi

13-3/8” 5,000psi DR Annular

13-3/8” 10,000psi Single UM BOP

13-3/8” 10,000psi Double UM BOP

13-3/8” 10,000psi Single UM BOP

BOP Control System: Cameron control system for 18-3/4” 15K stack

BOP Crane: Two (2) EH75 ton JD Neuhous 75 tons air operated trolley winches

**Gulf Drilling International Ltd. (Q.S.C.),**
9th & 10th Floors, Palm Tower B, West-Bay Building No. 6, Zone 60, Street 810 P.O. Box 9072, Doha, Qatar,
Contact: +974 44637 333 or visit our site on [www.gdi.com.qa](http://www.gdi.com.qa)