



GENERAL DESCRIPTION

Design / Generation:	Friede & Goldman ExD Semi-submersible
Year Entered Service:	2005
Classification:	ACC ABS A1, AMS, DPS-2
Quarters capacity:	176 persons
Operating water depth:	7,500 ft. (2,286 m)
Drilling depth:	37,500 ft. (11,430 m)
Maximum VDL (drilling):	15,432 kips
Maximum VDL (survival):	15,432 kips

STORAGE CAPACITIES

Liquid storage (upper hull)	7,050 bbls. (1,088 cu. m)
Liquid storage (columns)	11,900 bbls (1,892 cu. m)
Brine	4,868 bbls. (774 cu. m)
Base oil	4,535 bbls. (721 cu. m)
Potable water	4,750 bbls. (755 cu. m)
Drill water	14,490 bbls. (2,304 cu. m)
Fuel oil	20,290 bbls. (3,226 cu. m)
Sack storage	5,200 sacks
- Barite / Bentonite	10,445 cu. ft. (295 cu. m)
- Surge tanks	106 cu. ft. (4.25 cu. m)
- Cement	16,950 cu. ft. (480 cu. m)

RIG POWER SYSTEMS

Engines:	8 x x Caterpillar 3612 5,100 hp
Alternators:	8 x ABB 11,000 volts 900 rpm

CRANES

Port crane:	Liebherr MTC 6000-150, 173 ft. boom, 165 st @ 71 ft
Stbd crane:	Liebherr MTC 6000-150, 173 ft. boom, 165 st @ 71 ft.
Knuckle boom:	1 x Hydralift 115 ft. boom, 11 st @ 115 ft.
Riser gantry crane:	1 x 44 st - vertical riser handling

SAFETY EQUIPMENT

Lifeboats:	4 x Norsafe GES 50 Freefall, 88 person
Life rafts:	8 x Viking 25 person
Fast Rescue Craft:	1 x Norsafe 7.5 Magnum

DRILLING EQUIPMENT

Derrick:	Bailey 228 ft. x 52 ft. x 57 ft. x 228 ft.
Drill floor dimensions	57 ft. x 52 ft. (17.4 m x 15.8 m)
Tubular setback capacity	1,000 short tons
Rotary supporting capacity	2,000,000 lbs. static
Hoisting Equipment:	
- Drawworks (Main)	NOV Hitech AHD 1000 6,900 hp
- Drawworks (Auxiliary)	NOV Hitech AHD 500 4,600 hp
- Traveling block (Main)	Hydralift 1,000 short tons
- Traveling block (Auxiliary)	Hydralift 500 short tons
- Top drive (Main) (in line)	Hydralift HPS-1000 2E
- Top drive (Auxiliary) (in line)	Hydralift HPS-500 E
Pipe racking systems	2 x Hydralift Bridge Racker System
Mud pumps	4 x National 14-P-220, 7,500 psi

VESSEL DIMENSIONS / DISPLACEMENT

Overall length	375.5 ft. (114.4 m)
Overall width	288.5 ft. (87.9 m)
Main deck length	244.2 ft. (74.4 m)
Main deck width	244.2 ft. (74.4 m)
Depth to main deck	28.2 ft. (8.6 m)
Moonpool dimension	140 ft. x 28 ft. (42.7 m x 8.5 m)
Draft - drilling	65.6 ft. (20.0 m)
Draft - survival	49.2 ft. (15.0 m)
Draft - ocean transit	27.2 ft. (8.3 m)
Displacement at:	
- Drilling draft	46,507 lt
- Survival draft	40,936 lt
- Ocean Transit	32,804 lt

MUD CONDITIONING EQUIPMENT

Gumbo / scalper conveyor	2 x Swaco Gumbo-X
Shale shakers	7 x Swaco BEM-600
Mud cleaners	2 x Swaco 10T4 (Integrated Hydro cyc pkgs(s))
Vacuum degassers	2 x Swaco Hurricane

DESIGNED FOR COMPLEX DEEPWATER DEVELOPMENTS

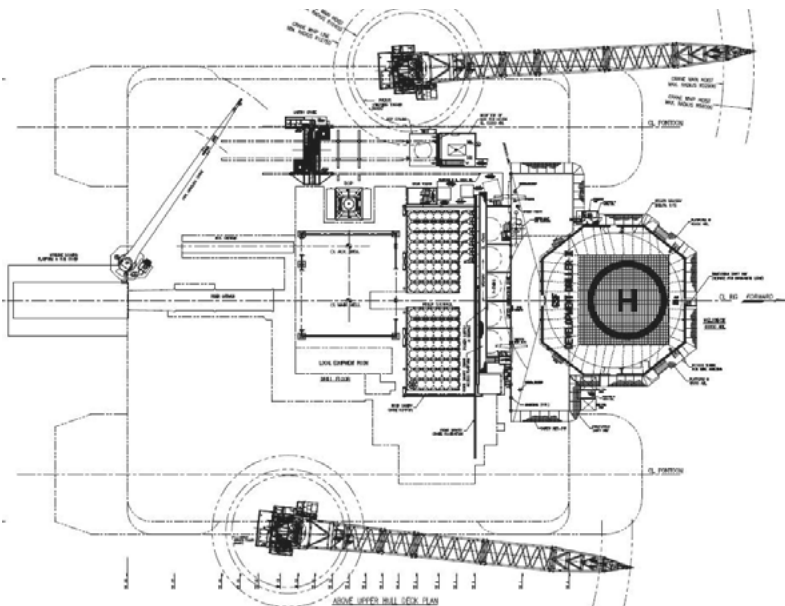
- heavily involved with subsea construction activities.
- the deployment of trees, manifolds, flowline jumpers, electrical and hydraulic flying leads, and rig transponders, a multitude of ROV tooling runs.
- Using both the auxiliary load path and an anchor winch modified to act as a high-capacity deep-reach subsea winch, the DDII has been employed running the majority of the subsea equipment required for the development.
- It is worth highlighting that this subsea winch has also been used for remotely initiating flowlines. This innovation results in significant time savings by removing the requirement to disconnect and move off location whilst a heavy lift barge installs the Pipeline End Termination (PLET) and initiates the flowline lay away.

STATION KEEPING / PROPULSION SYSTEM

DP system	Kongsberg Simrad SDPM (DP2+)
Anchor winches	.8 x Bodewes Electric 1,150 hp ea.
Anchor wires	8 x 10,500 ft. 3.5" Bridon Dyform DB2K
Anchor chains	8 x 3,240 ft. Nippon Chain 3.25" K4 (ORQ4)
Anchors	8 x 14.75 lt Vryhof Stevpris MK5
Thrusters	8 x 4,300 hp azimuthing fixed propeller
Position Reference	DGPS, HiPap LBL Multi-purpose

WELL CONTROL EQUIPMENT

BO	Hydril compact 18-3/4 in. 15K (2 x doubles, 2 x singles)
Annulars	Hydril GX 18-3/4 in. 10K (1 on stack, 1 on LMRP)
Wellhead connector	Vetco Super HDH4 15K
Riser connector	Vetco ExF HAR 15K
BOP control system	Hydril Mux system
Marine riser	Kvaerner Clip 21" 75 ft long
BOP Transporter	Elevator with 400 mt capacity
Auxiliary Cart	750 mt capacity
LMRP / SS Tree gantry crane	2 x 100 t + 25 t Aux. Winches
Tensioners	12 x Hydrilift 250 kips, 3,000 kips total
Diverter	Vetco CSO, 20" max bore 500/1000 psi
Diverter lines	16 in. port/stbd
CCTV System	Cameras Throughout vessel



Helideck Rated for M18 or EH101 helicopters, 88 ft. diameter

