

GLOBAL SAPPHIRE



GENERAL

Rig type	Tender Drilling Barge
IMO Number	7635323
Rig Design	Maltese Cross I 3/3
Overall dimensions	300 x 90 x 20 ft
Accommodations	110 person
Shipyard	Lindo, Denmark
Year Built	1977
Gross Tons	6593

OPERATING PARAMETERS

Water Depth	115 ft - 450 ft
Maximum Drill Depth	20,000 ft
Survival Conditions	Wind: 70 knots; Waves: 5 m at 20 sec; Current: 3.0 knots
Drilling Conditions	Wind: 35 knots; Waves: 2.5 m at 11 sec; Current: 2.5 knots

MACHINERY

Main Power	Total power 5,532 kW. 4x Caterpillar 3516 B DITA, 1,855 Hp - 1,200 rpm; 4x KATO AC Generators 6P7-3300 of 2,500 KVA, 600V, 60Hz
SCR	5x Louisiana Electric Rig Services 1875 kVA @ 750V max

DRILLING EQUIPMENT

Derrick	Drcco, 152 ft high, 30 ft base width, 1,000,000 lbs SHL w/ 12 lines, 453 T (500 tons) static hook load, 226 T (250 tons) setback (180T-200 tons during skidding)
Crown Blocks	Drcco 529 T (583 tons) rated w/ seven 60 in sheaves grooved for 1-1/2 in drilling line
Drawworks	National 1320 UE, 2,000 Hp, driven by 2x GE 752, 1,000 Hp DC motors, Baylor 7040 auxiliary brake
Rotary Table	National C 375, 37-1/2 in, 590 T (650 tons) but rated at 340 T (375 tons) by rotary beams, driven by 1x Jeumont Schneider CIR 423 DC, 800 HP DC motors
Traveling Blocks	National 660 G500, 453 T (500 tons) rated, w/ 6 x 50 in sheaves grooved for 1-1/2 in drilling line (6x19 IWRC)
Top Drive	CANRIG 1050E, 453 T, 500 tons capacity, 1,000 Hp continuous output power by GE 752, 42,700 ft/lbs continuous TRQ, 48,000 ft/lbs max, 7,500 psi WP
Riser	None
Mud Pumps	1,600 Hp, each driven by 2 x Jeumont Schneider CIR 423 DC motors, 5,000 psi WP; 4 x Active/Reserve
Solids Control	2x Brandt ATL-CS linear motion cascade S.Shakers + 1 Brandt ATL 1600 linear motion mud conditioner complete; 1x Brandt SR-2 desander. 2x 12 in cones, 1600 gpm; 2x Brandt SE-16 desilter, 16 x 4 in cones, 1600 gpm

Drillpipe	4,875 m (16,000 ft) of 5 in DP S135, 195#; 48 jts of 5 in HWDP, 50#; 2,500m (8,200 ft) of 3-1/2 in DP G105, 13.3#; 2,500 m (8,200 ft) of 3-1/2 in DP S135, 13.3#
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CAPACITIES

Variable Deck Load	5,732 tons
Liquid Mud	2,075 bbls
Bulk Mud/Cement	10,400 ft ³
Sacks	6,600 sacks
Drillwater	8,176 bbls
Potable Water	4,150 bbls
Fuel Oil	3,459 bbls
Brine	1,258 bbls

BOP EQUIPMENT

BOP System	One hydril type MSP, 21" - 2,000 psi WP bag preventer; One Cameron type U 21" - 2,000 psi WP double rams; One Hydril GK, 13 5/8 - 5,000 psi WP bag preventer. Two Cameron U 13-5/8 10,000 psi double ram
Diverter	Regan KFL, 30 in, 2,000 psi WP
Control System	Stewart & Stevenson BOP unit
Choke and Kill	3-1/16" - 10,000 psi, H2S service

MOORING

Anchors	4x Brissonneau & Lotz double drum anchor windlasses (100T SBL) + 8 x 2 in wire 900 m (2,952 ft) anchors lines + 8x Vicinay GS 6.8T (7.5 tons) anchors
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CRANES

	One Favelle Favco PC200, 160' boom length, hydraulic, driven by One CAT 3408 425 Hp, rated at 125 tons at 50', 27 tons at 160'; One Brissonneau & Lotz 4GE, rated at 16.5 tons at 72', 5.5 tons at 92'
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HELICOPTER DECK

Suitability	S61
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