

WEST ALPHA

West Alpha is a Ultra Yatzy design harsh environment rig built in 1986. West Alpha has been operating on the Norwegian Continental Shelf, UK, Brazil, China and in the Kara Sea, performing Exploration drilling, Development drilling, HPHT operations, Completion, Well testing and Plug & Abandon Operations.



GENERAL

Design	Moss Ultra Yatzy
Built / Year	NKK/1986
Rig Type	Panama
Major Upgrades	DNV GL
Flag	Drill(N), E0, Crane, Posmoor ATA, Heldk

MAIN DIMENSIONS / TECHNICAL

Length	70 m
Breadth	66 m
Max. water depth	600 m
Min. water depth	70 m (moored)
Drilling depth	7000 m
Variable deck load	4230 mt
Propulsion	4 x 1800 kW
Transit speed	5 knots
Helideck	S92
Accommodation	110 Persons

DRILLING EQUIPMENT

Derrick	590 mt
Drawworks	Wirth GH 3000
Racking Capacity	6100 m 5 7/8" DP
Top drive	590 mt
Rotary table	49 1/2"
Iron roughneck	AKMH-1898
Motion compensation	AKMH Active/Passive
Riser tensioner	12 x 176 mt
Guideline tensioner	4 x 7.3 mt

STORAGE CAPACITIES

Fuel	1280 m ³
Drill Water	938 m ³
Potable Water	428 m ³
Liquid Mud	964 m ³
Base Oil	390 m ³
Brine	737 m ³
Bulk Bentonite / Barite	288 m ³
Cement	240 m ³

WELL CONTROL

BOP	Cameron - 18 3/4" - 15K
Diverter	Hughes Offshore KFDS-3
C&K manifold	Cameron - 15K

RISER SYSTEM

Type	Hughes Offshore HMF
Length of joints	50 ft.
Min. ID	19 3/4"
K&C lines	3" ID - 15K

BOP/RISER HANDLING

BOP crane	2 x 40 mt
Riser crane	20 mt
BOP skid	250 mt
Xmas tree crane	Deck/BOP Crane
Xmas tree skid	150 mt
Emergency power	2 Main Engines

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MUD SYSTEM

Mud pumps	3 x Wirth TPK – 1180 kW
Pressure rating	5000 psi
Shale shakers	4 x Thule VSM 300

POWER

Main Engines	6 x Wartsila V12V/W200
Main generators	6 x ABB – 2016 kW
Total power	12.1 MW
Emergency power	2 Main Engines

STATION KEEPING

Class	Posmoor ATA
Control system	Kongsberg Simrad SPM
Anchor chain	8 x 2000 m
Anchors	15 mt

LIFTING EQUIPMENT

Deck crane	2 x NOV
Deck crane rating	70 mt
Pipe handling crane	MH Racking Arm
Pipe handling machine	Eagle Light