

Noble Endeavor



Semisubmersible

General description

The Noble Endeavor is a robust, eight column, harsh environment semi submersible designed for operations from shallow to deepwater operations. Capable of a multitude of operations, such as drilling, well intervention and P&A, it features a large deck area supporting efficient operations. Its mooring spread, with rapid release anchors ensures very efficient rig moves. The capable heave compensation system allows the rig to continue working in the most demanding environmental conditions. The Noble Endeavor has a proven track record of reducing well construction time by a relentless focus on efficiency.

General specification

Design	Enhanced ODECO Victory Class
Year built/updated	2009
Year entered service	1975
Builder	Transfield Construction PTY
Flag	Marshall Islands
Classification	ABS, Column Stabilized Drilling Unit, A1, CRC, IHM
MODU Code	1989, 2001 Edition
Overall Length	306 ft long x 306 ft wide (main deck)
Draft	74.5 ft (drilling), 41.5 ft (transit)
Airgap	45.5 ft (13.8 m)
Displacement	42,570 t
Variable deck load	6,000 t (drilling)
Transit speed	4 knots (towed)
Water depth	6,000 ft (max), 250 ft (min)
Drilling depth	35,000 ft
Accommodation	140
Hook load	2MM lbs
Moonpool	91 ft x 25 ft

Applications

First Choice Offshore®



For more information please contact: noblemarketing@noblecorp.com

Storage capacity

Liquid mud	9,675 bbls
Base oil	3,200 bbls
Brine	3,200 bbls
Bulk cement	15,500 cuft
Bulk bentonite	3,600 cuft
Bulk barite	7,200 cuft
Sacks	6,000
Fuel	6,234 bbls
Drill water	13,169 bbls
Potable water	2,904 bbls

Drilling equipment

Derrick	Dreco, 170 ft x 48 ft x 46 ft, static hook load capacity of 2,000 kips
Drawworks	1 x NOV 2040-UDBEL(L), 2,941 kW
Motion Compensator	1 x NOV CMC-H-25 1,000 kips capacity with 25ft stroke
Rotary Table	1 x NOV T-6050, 60.5", hydraulic, 908 t
Top Drive	1 x NOV PS2-1000, 1,470 kW
Tubular Handling	1 x NOV TF-975 Hydratong
Fingerboard capacity	DP - 18,900ft (210 Stds) up to 6 7/8" DP - 14,490ft (161 Stds) up to 5 7/8" 216 Stds 5-1/2" DP, 21 Stds DC
Mud Pumps	4 x NOV 14-P-220, 7,500 psi
Solids Control System	4 x Brandt / AX-1 Multisizers
Iron Roughneck	1 x Varco AR 3200

Sub sea equipment

Diverter	Vetco KFDS 21-1/4", 500psi diverter with 2 x 20" flow line
Dual BOP	No
BOP stack	1 x Hydril 18 3/4" 15,000 psi 5 ram preventer Vetco H4 ExF 15K, wellhead connector
LMRP	2 x Hydril DL 18 3/4" 10,000 psi annular preventers,
C&K manifold	15K
Marine riser	Shaffer 21" FT-GB, 75ft long per joint, 1,275 ft.
Tensioners	6 x NOV N-line tensioning system. Total capacity 2,400 kips with 50ft. Stroke
XT Carts	1 x 60 t aux cart

NORMS

OnTheGo

These specifications are intended for general reference purposes only. Actual equipment may vary upon the contract situation and customer needs.

Noble Endeavor



Noble Endeavor Rig Crew

Power generation

Main power	7 x 1,603 kW CAT 3516-B 1,200 rpm
Electrical power	7 x 2,500 KVA, CATO, 4,16kV, 60 Hz
Emergency power	1 x 404 kW, CAT 3412, 687 KVA, 480V, 60 Hz

Cranes

Main cranes	1 x 53.5 t, Seatrax S7224 with 160 ft boom 2 x 80 t, Seatrax S9040 with 180 ft boom
Subsea cranes	N/A
X-Mas Tree / BOP	1 x 350 t NOV BOP handling cart
Other	1 x NOV KMCVT-1891 Knuckleboom Crane

Other Systems

MPD	No
Burner booms	N/A
Dual Well Centers	No
Automation	hybrid drilling package with an integrated driller's chair
Red Zone Management	No
On the Go	Yes
H56 Enabled	No
Data Infrastructure	Real Time Monitoring
Other	Well hopping with tripsaver Capacity to hang off casing

Real Time Data Provision

Drilling VMS

These specifications are intended for general reference purposes only. Actual equipment may vary upon the contract situation and customer needs.

First Choice Offshore®



For more information please contact: noblemarketing@noblecorp.com

Unique Capabilities and Enhancements

Rig Moves	12-point mooring spread, compatible with rapid anchor release system for ultra efficient demob from well site.
Usable Deck Area	Over 1500m ² usable deck space enabling client's huge flexibility to tailor the rig to operational needs and remain self-sufficient for multiple phases of operations
Variable Deck Load	High variable deck load provides exceptional operational flexibility allowing the rig to ballast to transit draft with minimal need to unload derrick pipe storage, offload bulk fluids, or heavy equipment
Heave Compensation	Equipped with CMC-H-1000 capable of compensating hook loads up to 1,000,000 lbs and drilling in rig heave up to 3m

Station keeping / Propulsion system

Mooring system	12-point mooring system capable, 8 point mooring system standard, additional 4 point on request.
Mooring winches	8 x Amclyde CTW 350/52 combination chain/wire mooring winches
Thrusters	N/A
DP system	N/A
Position reference systems	N/A

