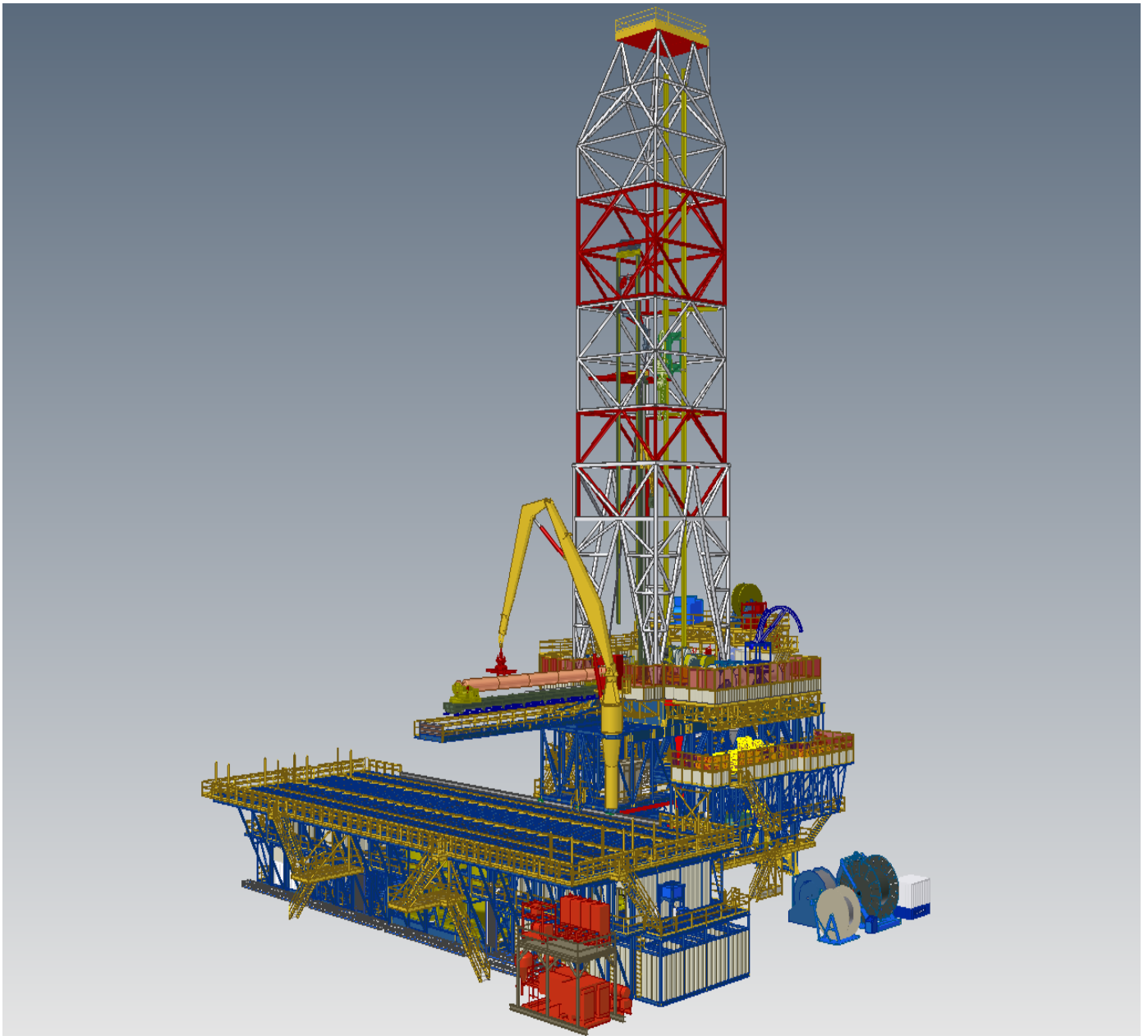


NABORS MODSTM 400
(Modular Offshore Dynamic Series)
4600-H.P.
Self-Erecting Drilling Rig



NABORS MODS-400

Dynamic Structure Designed for Spar and TLP Platforms

DRAWWORKS

Commander 4000 AC Drawworks, with an input rating of 4600 HP, driven by four (4) GE 1150HP AC motors, Johnson disc.brake, Crown-o-matic and hydraulic catheads. Drum is lebus grooved for a 2"drilling line. Air conditioned Driller and Assistance Driller Control Stations.

AC DRIVE SYSTEM & PRIMARY POWER

ACADEMY AC Drive System connecting to platform power with Two Caterpillar 3516C engines rated at 3150 HP @ 1800 RPM each, driving one (1) Kato 2250 KW Make Safe Generator.

DERRICK

Triple Derrick with 182' clear height 40' X 40' base at floor. API dynamic hook load of 2,000,000 lbs. w/ 16 lines strung. Racking Capacity 35,000' of 5 7/8" Drill Pipe

STAND BUILDER

Off-line Stand Builder System consist of NOV CWS-PR-15-65 Catwalk Shuttle, "v" Door Machine NOV VDM-10, and Vertical Racking System NOV PRS8.

SUBSTRUCTURE

50' X 50' drill floor with 56' 11-1/2" floor height and 50' 5 -1/2" clear height under the rotary beams. Substructure is designed for a 2,000,000 lbs. casing load simultaneous with a setback load of 1,400,00 lbs.

MUD PUMPS

Three (3) Gardner-Denver PZ-2400 triplex rated at 2400 HP each, driven by two (2) GE 1500-HP AC motors complete with **7500 PSI fluid ends** and Performance Reactive pulsation dampeners, 14" strokes 110 RPM 3393 to 1272 GPM 5" to 9" liners.

MUD SYSTEM

6236 bbl. system 1736 Active 4500 Reserve with two (2) 50-bbl. & one (1) 100 bbl. slugging compartment. Mud system is equipped with twenty one (21) mud agitators. Mud mixing is provided by four (4) 6" X 5" centrifugal pumps driven by 75-HP motors.

MUD PROCESSING EQUIPMENT

MI Swaco Mud Cleaner capable of 1500 GPM and a 10T4 Desilter with capable of processing 1500 GMP.

MI Swaco Shale Shaker with 2 60hz motors.

MI Swaco CD1400 Hurricane Centrifugal degasser.

TOP DRIVE

NOV Model # TDS1000 rated 2000 kips, 0 – 270 RPM, 94,000 – 14,500 Ft. lbf. One (1) Drill motor GE GEB-20 1150 HP

TRAVELING EQUIPMENT

NOV Model # 778 TB-1000-8C rated 1000 Ton 7x60 2"

ROTARY

NOV 60 1/2" x 49 1/2" Model #RST 605 rated 2000 kips independent driven by GE 1150-HP AC motor 45,000 ft. lbs.

ACCUMULATOR

715 gal., 3000 PSI, ten (10) stations, with an electronic powered triplex pump, four (4) air operated pumps, regulating valves and ten (10) station remote control.

BOP

One (1) 18-3/4" X 10,000 PSI Hydril GX annular, H₂S trim.
Two (2) 18-3/4" X 15,000 PSI Cameron EVO double ram, H₂S trim.

CHOKE MANIFOLD

3-1/16" x 15,000 PSI choke manifold with two (2) 3-1/16" manual choke and equipped to accept two (2) 2-9/16" hydraulic choke.

TUBULARS

Drill pipe, hevi-weight, drill collars are to be determined.

PIPE HANDLING EQUIPMENT

One (1) NOV ST-120 retractable boom mounted iron roughneck with tubular range of 3-1/2" to 10" tool joints, and 1000,000 ft.-lbs. of make up torque and 120,000 ft.-lbs of break out torque.

One (1) NOV KMCVCT-1891 Knuckle Boom Crane Load Radius 6 m to 56 m with Safe Working Load 3.2 MT to 22.3 MT with Gripper Yokes

Bulk Storage

Six (6) 2200 cu ft capacity Bulk Storage, 14' OD x 20' 2" Tall complete with weight indicators and Dust Collectors, bulk air compressor and dryer.

BOP Lift Gear

Four (4) Ingersoll-Rand Beebe Hercu-Link Model #BHS75MA6-30-30 Hoist

POLLUTION CONTROL

Zero discharge, to include pollution.

Bulk Material Dust Recovery System.

MISC. EQUIPMENT

Full Opening Safety Valve	
2 – 7500 lb. Hydraulic Hoist	Lower Kelly Valve
Mud-gas Separator	Drift Indicator
Upper Kelly Valve	Trip Tanks
Inside BOP	Welding Machines