

RIG 40 National 1000 AC



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Mast

Make:	National Oilwell
System:	Bootstrap
Mast Clear Height:	32 m (105 ft)
Hook Load Capacity at 10 lines:	225 mt (500.000 lbs)
Racking capacity:	3.000 m double stands of 5" DP incl. DC 5.000 m double stands of 3 1/2" DP incl. DC

Substructure

Make and Type:	National Oilwell - Containerized
System:	Box-on-Box
Setback Capacity:	163 mt (360.000 lbs)
Rotary Capacity:	225 mt (500.000 lbs)
Height underneath rotary Beams:	5,8 m (19 ft)

Drawworks

Make and Type:	National Oilwell D1000-AC-BB
Max. Line Pull, 2nd Layer	330 kN (74.000 lbs)
Drilling line:	32 mm (1 1/4")
Rated Input Power:	850 kW (1.150 HP)
Auxiliary Brake:	Baylor Elmagco 19RD-130

Rig Power System

Drive:	Diesel-electrical
Type of Engines:	Three (3 x) Caterpillar D 3508
Nominal Rated Power (each):	880 kW (1.180 HP) @ 1.500 1/min
Type of Generators:	Three (3 x) CAT SR4B-1000
Apparent Power (each):	1.000 kVA
SCR- & MCC-Unit	Bentec

Top Drive

Make and Type:	National Oilwell TD250PAC-500 HP
Load rating:	250 mt (500.000 lbs)
Output Torque (continuous):	33 kNm (24.500 ft-lb) @ 100 rpm
Tool Torque (intermittent and stall):	33 kNm (24.500 ft-lb)
Max. Speed:	200 rpm

Rotary Table

Make and Type:	National Oilwell C-275 (27 1/2")
Rotary Table Drive:	Hydraulic (55 kW)

Hook-Block

Make and Type:	Continental Emsco - RA 35-5-H250
Load Capacity:	225 mt (500.000 lbs)

Mud Pumps

Make and Type:	National Oilwell 10-P-130 (Trilex Pumps)
Number of:	Two (2 x)
Electric Motors:	969 kW AC (1.300 HP)
Max. pressure:	345 bar (5.000 psi)

Mud Tank System

Active Tank System Capacity:	190 m ³ (incl. Mix compartments)
Type:	Rectangular tanks
Accessories:	LP Mixing System, Mud Agitatore, Double Trip Tank

Solids Control Equipment

Shale shaker type:	Three (3 x) Derrick Linear Motion Shale Shaker
Desilter:	Derrick Flow Line Cleaner, 16 x 4" cones
Drilling Mud Degasser:	National Oilwell Vacuum Degasser
Mud Gas Separator:	Freestanding Mud Gas Separator

Iron Roughneck

Make and Type:	NOV IR-3080
Make-up Torque:	81 kNm (60.000 ft-lb)
Break-out Torque:	108 kNm (80.000 ft-lb)

Blowout Equipment

Annular BOP:	11" - 5.000 psi
Ram BOP:	11" - 5.000 psi Double 11" - 5.000 psi Single
BOP closing unit:	Koomey T 20160-3S
Volume:	240 gal (910 ltr)

Additional Equipment

Soundproofed Equipment
Power Slips
Feed off Control System
Drilling Instrumentation
Colour Camera System
Forklift
Anti Collision System (ACS)