

Principal Technical Specifications. System / Equipment Key Specification. Rig Type 1500 HP High-Ambient AC Land Drilling Rigs. OEM / Package Manufacturer National Oilwell Varco (NOV). Inventories will vary slightly per rig, below are the principal specs for each rig; qualified buyers are welcome to schedule a site inspection.

Mast: 142 ft clear height; 750,000 lb hook load rating; 12 ft x 12 ft base

Racking Board: Adjustable; 208 stands of 5-1/2 in. OD drill pipe; 8 stands of 8 in. OD drill collars

Substructure: 25 ft overall height; 21 ft 8 in. clear height under rotary beams; 32 ft x 32 ft drill floor; 500,000 lb setback capacity; 750,000 lb rotary capacity; built to API 4F (as stated in inventory)

Drawworks: NOV ADS-10SD; two GE B22 AC motors, each rated 1,150 HP continuous; air-cooled 38 in. multi-plate disc brake; Amphion control system

Top Drive: VARCO / NOV TDS-11SA; 500-ton rated drilling unit; 7,500 psi mud path; PH-75 pipe handler package

Traveling Block: YC450; max hook load 506 tons; 6 sheaves; designed to API 8A (as stated in inventory)

Rotary Table: NOV ZP375; 37-1/2 in. opening; 1,300,000 lb static load rating; 23,900 ft-lb max working torque; designed to API 7K

Mud Pumps: Two (2) NOV 12P160 triplex mud pumps; AC driven; rated 1,600 HP each as stated in the technical inventory

Electrical Power: Three (3) CAT 3512C land electric drilling engines, each rated 1,101 kW (1,476 HP) at 1,200 RPM, each driving a Baylor 600 V, 60 Hz, 1,750 kVA generator

AC Drive / VFD: NOV AC drive system with generator control cubicles, synchronizing system, rectifier assemblies, inverter cubicles for drawworks, rotary table and mud pumps, braking resistor banks and associated distribution

Well Control: 13-5/8 in. x 10,000 psi Shaffer spherical annular BOP, LXT double ram BOP and LXT single ram BOP; 13-5/8 in. x 10,000 psi drilling spool

BOP Control Unit: NOV L240-T6EA60CE2; 3,000 psi system working pressure; 24 x 11 gal bottles; 350 gal reservoir; designed to API 16D

Choke Manifold: 10,000 psi working pressure; one hydraulic and one manual adjustable choke; 11 valves; Swaco-type power choke control panel

BOP Test Unit: NOV SE 1T; 15,000 psi working pressure; 0-20,000 psi gauge

Solids Control: Three (3) Brandt King Cobra Venom shale shakers; one (1) Brandt DG-10 vacuum degasser; one (1) Brandt King Cobra Venom mud conditioner; desander/desilter hydrocyclone system

Iron Roughneck: NOV ST80CL; tubular OD range 4-1/4 to 8-1/2 in.; nominal drill pipe range 3-1/2 to 5-1/2 in.

Standpipe / Manifold: Dual standpipe and manifold, model DS-5000, 5 in., 5,000 psi working pressure

Drilling Line: 1-3/8 in., EIPS-PF-RI, 6 x 19 IWRC; 5,000 ft installed on steel reel

Drill String and Selected Included Equipment:

- 5 in. drill pipe, 19.5 lb/ft, G-105 grade - 3,500 m (inventory states Brand New).
- 3-1/2 in. drill pipe, 15.5 lb/ft, G-105 grade - 3,500 m (inventory states Brand New).
- 5 in. HWDP, 49 lb/ft - 15 ea.; drill collars: 9-1/2 in. slick 4 ea., 8 in. spiral 25 ea., 6-1/2 in. spiral 25 ea., and 4-3/4 in. spiral 25 ea. (inventory states Brand New).
- Pipe handling and auxiliary equipment includes PipeCat, PS-21 power slips, BX elevators, casing running tool, deadline anchor, drill line spooler, wireline/surveyor unit, cathead and associated handling equipment as listed in the technical inventory.
- BOP transport frame and track system is listed for handling, alignment, horizontal tilting and stump-test support.

Technical Basis: The specifications above are reproduced from the supplied technical inventory and OEM documentation available for each rig. Equipment-specific data applicable for each rig during documentary review and physical inspection will be made available to qualified buyers.