GENERAL
Basic functions Well stimulation, well testing
Classification American Bureau of Shipping
A1 Offshore Support Vessel (WS, Well Test Service, SPS), (E), Fire Fighting Vessel Class 1, DPS-2

DIMENSIONS
Length o.a. 60.80 m
Beam mid. 14.00 m
Depth mid. 6.00 m
Draught summer 5.00 m
Draught design 3.65 m
Deadweight (summer) 1300 t

TANK CAPACITIES
Ballast 450 m³
Fuel oil 220 m³
Potable water 220 m³
Acid 40 m³
Low flash point chemicals 82 m³
Technical fresh water 200 m³
Diesel oil 230 m³

PERFORMANCES (APPROX.)
Speed (at 3.65 m draught) 12 kn

PROPULSION SYSTEM
Main engines Diesel-Electric, 690 V, 50 Hz
Propulsion power 2x Electric motors of 1200 kW each
Azimuthing thrusters 2x 2100 mm FP propellers in nozzles
Bow thrusters 2x 400 kW, 1250 mm, FP propellers

AUXILIARY EQUIPMENT
Networks 690 V, 400 V and 230 V – 50 Hz
Main generator sets 2x 1200 eKW at 1500 rpm
2x 940 eKW at 1500 rpm
Emerg./harbour gen. set 1x 140 eKW at 1500 rpm

DECK LAY-OUT
Anchor mooring winch 1x Electric-hydraulic, with 2 warping heads and rope storage drums
Capstans 2x Electric-hydraulic, each 5 t pull
Store crane 1x Knuckle boom 2.3 t at 10.8 m (harbour)
Hose handling crane 1x Telescopic boom 2 t at 26 m above sea level

WELL PUMPING SYSTEMS
Make National Oilwell Varco
High-pressure pumps 2x Electric driven triplex pumps
Max. discharge rate 337 GPM (75 m³/hr)
Max. discharge pressure 10.400 PSI (700 bar)
Batch mixing system Skid-mounted mixing tanks provided with mixing paddles, chemical dosing pumps and control system
High-pressure hoses 2x reel-mounted coflexip hoses
Nitrogen storage 12000 USG (45 m³) liquid nitrogen
Nitrogen pumping system 1x Electric driven triplex pump; max. discharge rate 4700Nm³/hr

WELL TESTING SYSTEMS
Make National Oilwell Varco
Choke manifold 1x 15,000 PSI (1000 bar)
Separator 3-phases; Max. oil flow rate approx. 2300 m³/day
Gauge tank 1x 18 m³
Flare boom 1x Hydraulic operated; 9000 BOPD at 300 PSI
Service spaces 1x Well-equipped laboratory
1x Control room
1x Workshop

ACCOMMODATION
Crew 16 persons
Special personnel 17 persons

NAUTICAL AND COMMUNICATION EQUIPMENT
Nautical Radar X-band, radar S-band, ECDIS
DP-system DP-2
GMDSS Area A3
DAMEN WELL STIMULATION VESSEL 6014