



**FRIEDE & GOLDMAN L907 (ENHANCED PACESETTER) TWIN PONTOON, COLUMN STABILISED
SELF PROPELLED, SEMI SUBMERSIBLE OFFSHORE
DRILLING UNIT**

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GENERAL INFORMATION

RIG TYPE / DESIGN.....Semi-Submersible
CONSTRUCTION SHIPYARD.....Daewoo, Korea Friede & Goldman L-907
YEAR ENTERED SERVICE.....1983
SIGNIFICANT UPGRADES.....1993 (Marine)
1998 (Drill floor and Marine)
2013 (Aft Crane & Accommodation)
2018 (API S53 Compliance)
CLASSIFICATION.....DNV Class +1A1 Column Stabilised Drilling Unit
FLAG.....United Kingdom (UK)
DIMENSIONS.....80m (L) x 62m inc Sponson (B)
DRAFTS.....65ft operating / 24.9ft transit
ACCOMODATION.....120
VARIABLE DECK (OPERATING).....3,340Mt
TRANSIT SPEED TOWED.....5 knots (average)
MAX/MIN WATER DEPTH.....1,500ft/ 250ft
MAXIMUM DRILLING DEPTH.....25,000ft
HELIDECK.....Designed for Eurocopter EC225 & S92

DRILLING EQUIPMENT

MAST.....NorMar – 700 Short tons
HOIST/DRAWWORKS.....National/1625 DE, Maximum line pull 12 lines is 625st with Lidan Brake system. Drum for 1-1/2" drill line.
CROWN BLOCK.....NorMar, 7 sheaves for 1-1/2" drill line and rated to 650st
TRAVELLING BLOCK.....National, 7 sheaves for 1-1/2" drill line and rated to 650st
MOTION COMPENSATOR.....Brown Brothers, Stroke 20ft 600,000 lbs compensated
ROTARY TABLE.....National 49-1/2" 800st capacity
TOP DRIVE.....Maritime Hydraulics 650 tons, output torque up to 40,450ftlbs
TUBULAR HANDLING.....MH Bridge Racking Crane at Monkey Board level MH DFMA on Drillfloor
IRON ROUGHNECK.....MH 1898 Iron Roughneck for 3-1/2" to 9-1/2" tubulars
MUD PUMPS.....3 x National 12-P-160 – 5,000psi
HP MUD SYSTEMS.....Rated for 5,000psi
SOLIDS CONTROL.....4 x Brandt – VSM 300

WELL CONTROL EQUIPMENT

BOP STACK.....4 Ram, 2 Annular, Hydril Conventional 18-3/4" 15,000psi BOP Stack
Hydril MPL Ram Preventer Locks
Features
API S53 Class 6-A2-R4, Wet BOP weight of 459 kips (< 208mT)
Blind Shear Rams fitted with Hydril 22" Operator Bonnets
Upper Annular (LMRP) Hydril 18-3/4" 5,000psi GL
Lower Annular (Lower Stack) Hydril 18-3/4" 10,000psi GX
Vetco EXF H4 Wellhead Connector 27"
BOP CONTROL SYSTEM.....Cameron/ EFC Direct Hydraulic BOP Control System
Features;
API 17H ROV Intervention Secondary Control System
Deadman Autoshear System
RISER.....Oil States / OR-6C, 50ft, 21", Bolt-on Boss Connections with Auxiliary Lines (Choke, Kill, Booster)
Vetco WJ Telescopic Joint with Dual Packer Assembly, 55ft Stroke
RISER TENSIONER.....10 x 80,000lbs, Rolls Royce Wireline Tensioners (4 x Duplex, 2 x Simplex)
Features;
50ft line stroke, Olmsted Flow shut-Off Valves
CHOKE MANIFOLD.....W.O.M 3-1/16" 15,000psi
Features;
3-1/16" 15,000psi inlet/ 3-1/16" 5,000psi outlet
2 x 15,000psi Hydraulic Chokes, 2 x 15,000psi Manual Chokes
NOV Choke Control Remote Panel
DIVERTER.....GE KFDS – Insert Type – 49 1/2" – 500psi WP
TREE STORAGE & HANDLING.....Tree lifting with 1 x NOV OC3500LE (80.1ton)
Tree storage on 1 x 100MT Tree/ LMRP Skid
Tree deployed to well centre on 220MT NORMAR BOP Transporter
MOONPOOL.....83'4" x 20'8" (25.2m x 6m)
60mT capacity Utility Trolley available for guide base handling
20mT Service Crane at Moonpool Entrance
GUIDE LINE TENSIONERS.....Brown Brothers rated to 16,000lbs per tensioner with 40ft stroke

POWER MANAGEMENT & MACHINERY

MAIN POWER.....4 x Bergen KVGB 12 diesel engines, 4 x NEBB NORWAY/WAB 800-F8W AC Generators
EMERGENCY POWER.....1 x HEDEMORA/V6B-12

STORAGE CAPACITIES

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| FUEL OIL.....10330bbbls (1412.5tonnes) | LIQUID MUD.....Active: 726bbbls Reserve: 1422bbbls Total: 2148bbbls |
| BASE OIL.....1824bbbls | BULK CEMENT.....8782cu.ft (373tonnes) |
| BRINE.....2777bbbls | BARITE.....3662cu.ft (99tonnes) |
| DRILL WATER.....10472bbbls (1665tonnes) | BENTONITE.....7440cu.ft (453tonnes) |
| POTABLE WATER.....2113bbbls (336tonnes) | SACK STORAGE.....1,700ft*2 (2000 x 100lb) |

STATION KEEPING – PROPULSION SYSTEMS

THRUSTERS.....2 x In Line Lawrence Scott, E126B01\4
MOORING SYSTEMS.....8 x Bruce MK4 Anchors with 5,000ft of 3" chain

CRANES

CRANES.....2x NOV National OS435 (40ton), 1 x NOV OC3500LE (80.1ton)
BOP HANDLING.....NORMAR BOP Transporter, 220Mt.