



**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 ..... Friede & Goldman L-907 Enhanced Pacesetter Semi-Submersible  
 CONSTRUCTION SHIPYARD ..... Daewoo, Korea  
 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 HELDK Recyclable UKVS  
 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 EC225, S92 & S61

**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**

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.

