



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

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	TBD
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 <i>Features</i> 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 <i>Features;</i> 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) <i>Features;</i> 50ft line stroke, Olmsted Flow shut-Off Valves
CHOKE MANIFOLD	W.O.M 3-1/16" 15,000psi <i>Features;</i> 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, E126BO1\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.

