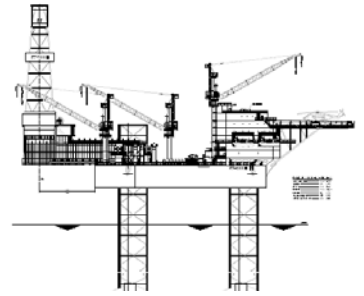


# JU2000E

Designer: FRIEDE & GOLDMAN Ltd



## GENERAL

- Class : ABS
- Max Operating Water Depth : 400 ft
- Drilling Depth : 35000 ft

## NOTATION

+A1 Self-elevating Drilling Unit, CDS, CRC, ENVIRO-OS

## PRINCIPAL DIMENSIONS

### HULL

- Length : 231 ft
- Beam : 249 ft
- Depth : 31 ft

### LEGS

- Number of Legs : 3
- Leg Structure : Lattice
- Length : 547 ft

### SPUDCANS

- Diameters : 59 ft

## DESIGN ENVIRONMENT

- Air Temperature : -20° C ~ 45° C
- Sea Water Temperature : 0° C ~ 35° C
- Typical Operation Condition
  - Water Depth : 400 ft
  - Max Wave Height : 56 ft
- Typical Survival Condition
  - Water Depth : 400 ft
  - Max Wave Height : 60 ft

## VARIABLE LOAD

- Operation : 3766 mt
- Survival : 2995 mt

## OPERATING CAPACITIES

- Diesel Fuel : 660 m<sup>3</sup>
- Potable Water : 545 m<sup>3</sup>
- Drilling Water : 1584 m<sup>3</sup>
- Bulk Mud or Cement : 500 m<sup>3</sup>
- Active and Reserve Mud Pits : 745 m<sup>3</sup>
- Brine : 213 m<sup>3</sup>
- Base Oil : 213 m<sup>3</sup>
- Pipe Rack-Cantilever : 453 m<sup>2</sup>
- Pipe Rack-Main Deck : 241 m<sup>2</sup>

## ACCOMMODATION

140 persons in 1-man and 2-men cabins

## POWER SYSTEM

### Main Generator

Six(6) Sets, 1500 ekw, 1200rpm, 690v, 60Hz

### Emergency Generator

One(1) Set, 850ekw, 1800rpm, 480v, 60Hz

## CANTILEVER

- Max Outreach : 22.86 m / 75 ft
- Max Offset : 4.57 m / 15ft P/S

➤

## JACKING & FIXATION SYSTEM

- Model & Type : NOV-BLM
- Quantity of Pinion : 54
- Normal Jacking Capacity : 340 mt / Pinion
- Elevating Speed : 0.46 m/min
- Chock System : F&G

## LIFE SAVING

- Life Boats : 3 x 75 persons
- Rescue Craft : 1 x 6 persons
- Life Rafts : 6 x 25 persons

## DECK CRANE

Two(2) set offshore type, 120 ft Boom, SWL 60mt @ 7.5m,35mt@23m;

One Set offshore type 120 ft Boom, SWL 60mt @ 7.5m,35mt@16m

## HELIDECK

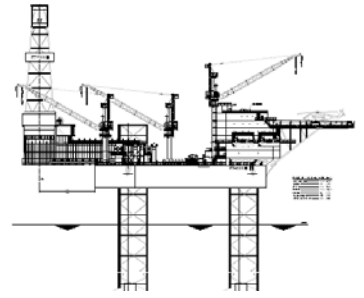
One(1) set suitable for Sikorsky S92A helicopter

## MOORING WINCH

Four(4) set, Static Pull of 80 mt, Break Pull of 120 mt

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## Drilling Package

### Hoisting, Rotating Equipment

#### ➤Derrick:

Model/Type: 170X40X40X18X18

Hook Load: 1000 Short Ton.

Height: 170'

Base: 40'x40", Crown: 18'x18'

Wind loading: Per API 4F

#### ➤Traveling Block:

Model/Type: 1000 shT

1000 short ton, 7x72" sheaves,  
2" sheave grooving.

#### ➤Top Drive:

Model/Type: DDM®-1000-AC-2M-Enhanced-  
2x1150 hp

1150 HP GEB-20AC MOTOR DRIVEN

Hook Load:1000 Short Ton

Working Pressure: 7500 Psi

#### ➤Rotary Table:

Model/Type: RTSS 49 1/2" H – 1000 shT

Hydraulic Driven, 49 1/2" opening

Load: 1000 Short Ton

#### ➤Drawworks:

Model/Type: Wirth Multi-speed GH 4500 EG-AC

Power: GEB 22 A2 AC Drilling Motor 1150 HP (858kW)

Main AC Drilling Motors x 3

Hook Load: 1000 Short Ton @ 14 lines

### Piping Handling Equipment

#### ➤Pipe Deck Pipe Handler:

Model/Type; PIPEDECK PIPE HANDLER - TRIPLEX

Gripper piping Capacity: from 2 7/8" - 26",

Lifting Capacity -Yoke(gripper): (SWL) of 3.5mT  
(2.3m-23.2m) with a +/- 90 degrees rotation

Lifting Capacity -Yoke(pad eyes); (SWL) of 4.5mT  
(2.3m-22m) & 3.5mT (22m-23.2m)

#### ➤Tubular Feeding Machine:

Model/Type: TFM

Transport Frame - SWL 20MT

Max tubular length: Min 6ft, Max 50ft

#### ➤Mouse Hole:

Model/Type: 60FT

60ft Hydraulic Mouse Hole

Capacity: Not exceeding 14"

#### ➤Multiframe Make-up system :

Model/Type: MH RNX 185R - HYDRAULIC  
ROUGHNECK

Tubular size: 3 1/2" - 9 3/4"

#### ➤Eagle Light:

Model/Type: ELT

Lift capacity: 3.2mt horizontal to vertical

Tubular length: 4,5 – 14,3m ( 48' )

Max reach : 5600 mm from guide rail

Travelling height : 20.7m (Top of grip head)

#### ➤Bridge Racking Crane:

Model/Type: BRC

Lift capacity: 11.5mt

Tubular Size: 3 1/2" to 9 3/4"

Lifting Height; 2200mm

#### ➤Lower Guiding Arm:

Model/Type: LGA

Tubular Size: 3 1/2" to 9 3/4"

### Mud Conditioning Equipment

#### ➤Shale Shaker:

Model/Type; Derrick Model # FLC 513VE

5x FLC 513VE Shale shaker

Motors: 2X1,8KW Ex 480V / 60Hz

#### ➤Mud Cleaner:

Model/Type; Derrick Model # FLC 513VE 3-20

Desander type: Three (3) 10" Desander Cones.

Desilter type: Twenty (20) 4" Desilter Cones

#### ➤Degasser:

Model/Type; Derrick Model # ACD-1500

Capacity: 1500 GPM

#### ➤Gumbo Conveyor:

Model/Type; Derrick Model # Flo-line Primer 28/200

Capacity 900-1200 GPM

### Well Control Equipment

#### ➤BOP stacks:

Cameron 18 3/4" 15000 Psi BOP Stacks includes:

One 18 3/4" 10000 Psi Cameron Spherical preventer

One 18 3/4" 15000 Psi Cameron DRBOP

One 18 3/4" 15000 Psi Cameron DRBOP

#### ➤BOP& Diverter Control:

Two 75 HP Triplex pump with 30GPM@3000 Psi.

Four Air driven pumps for emergency operation

Fluid reservoir tank: 1200-gallon

Accumulators:

64x15 gallons with 3000psi WP for BOP

8x15 gallons with 3000psi WP for Diverter

Controls:

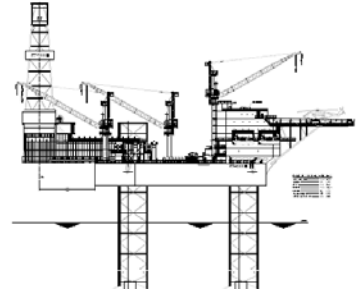
Local control at valve station

Remote Control at Diller's Cabin

Remote Control at Tool pusher's room

# JU2000E

*Designer: FRIEDE & GOLDMAN Ltd*



## High Pressure System

### ➤ Mud Pumps

Model/Type: Aker TPK 7 1/2" x 14" / 2200 AC-TG-CACW

Single main motor/ AC water jacket,  
Operating pressure max. 517 bar / 7,500 psi  
Max. strokes per minute: 110 stroke

## Bulk Mud materials System

### ➤ P-Tanks

Cement/Barite/ Bentonite 8 e.a  
64 m3 (total volume) each

## BOP Handling System

### ➤ BOP Forklift Crane

Capacity ; SWL 150T  
Hydraulic Auxiliary Hoist Winch SWL 5T

### ➤ BOP Service Crane

Capacity: 2x17,5 T

### ➤ BOP Skid

Model: SD-150-2,4-HD  
Capacity: 150MT