

This Jack-up Drilling Rig is designed by an American design company - F&G. It is able to operate at water depth up to 120m (400ft) and drill wells down to 10668m (35000ft) at -20 C. It can be operated in an extreme harsh environment. Hot/ fit for work Jack-Up Rig.

# JU2000E JACK-UP DRILLING RIG

### GENERAL

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

#### **NOTATION**

+A1 Self-elevating Drilling Unit, CDS, CRC

### 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 :  $-20^{\circ}\text{C} \sim 45^{\circ}\text{C}$ Sea Water Temperature :  $0^{\circ}\text{C} \sim 35^{\circ}\text{C}$ 

**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 433 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, 1530 ekw, 1200rpm, 690v,60Hz, 3516C HD

**Emergency Generator** 

One(1) Set, 860ekw, 1800rpm, 480v, 60Hz

#### DRILLING PACKAGE

Derrick Base : 40 ft x 40 ft x 170 ft

Hook Load : 1000st Top Drive : 1150HP

Mud Pumps : Three(3) x 7500psi, 2200HP

### **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 : 2 x 89 persons, 1x 53 persons

Rescue Craft : 1 x 6 persons Life Rafts : 6 x 25 persons

# **DECK CRANE**

One(1) set offshore type, 120 ft Boom, SWL 60mt @  $\,$ 

7.5m,MEP crane

Two(2) set offshore type, 120 ft Boom, SWL 50mt @

7.5m,MEP crane

# HELIDECK

One(1) set suitable for S-92 helicopter

# **MOORING WINCH**

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