

GULF DRILLER VI JU2000E JACKUP DRILLING RIG



Gulf Driller VI 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 on extreme environment.



GULF DRILLER VI

JU2000E SELF ELEVATING DRILLING UNIT

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°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 ³
Potable Water	: 545 m ³
Drilling Water	: 1584 m ³
Bulk Mud or Cement	: 500 m ³
Active and Reserve Mud Pits	: 745 m ³
Brine	: 213 m ³
Base Oil	: 213 m ³
Pipe Rack-Cantilever	: 433 m ²
Pipe Rack-Main Deck	: 241 m ²

ACCOMMODATION

150 persons	
1-man cabin	: 4
2-men cabin	: 73

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

DECK CRANE

Three(3) set offshore type, 120 ft Boom, SWL 60mt @ 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