

LABIN

Jack Up Rig



UNIT DESIGN:

Levingstone 111-C (cantilever type)
Year of construction: 1985, major upgrades: 2003/04 & 2014/15
Builder: Shipyard "Viktor Lenac", Rijeka, Republic of Croatia

CLASSIFICATOR:

American Bureau of Shipping (ABS)

HULL SIZE:

Length: 67.98 m
Breadth: 66.86 m
Depth: 6 988 m

LEGS:

NPE: Square truss
Number: three (3)
Length: 138.91 m

SPUD CANS:

Diameter: 14.6 m
Height: 2.44 m

PERFORMANCES:

Maximum water depth: 100.3 m
Minimum water depth: 12,5 m
Maximum drilling depth with DP 5": 6000 m
Maximum cantilever longitudinal skidding capability: 16.76 m
Maximum derrick transversal skidding capability: 3.66 m
Maximum air gap: 25 (possible extension to 30) m
Wave height: 14 m
Wave period: 12 sec
Wind velocity: 70 knots
Complete Zero pollution system

JACKING SYSTEM:

National NS 400, two (2) jacking assemblies, for each leg (on leg 1 - 6 pinions, and on legs 2 & 3 - 8 pinions)

VARIABLE LOAD:

1825 t

STORAGE CAPACITIES:

Fuel: 715 m³
Drilling water: 639 m³
Lamium: 254 m³
Potable water: 120 m³
Liquid mud: 246 m³
Bulk mud: 84.9 m³
Bulk cement: 124.9 m³

MOORING EQUIPMENT:

ACTA, two (2) single drum • stern
One (1) double drum • bow
Four (4) anchors off drill 11; 3,7 t each

DECK CRANES:

Two (2) National OS 215
boom length: 42.7 m
maximum capacity: 30.8 t
One (1) National OS 435
boom length: 42.7 m
maximum capacity: 29.95 t

WATER DESTILATION UNIT:

One (1) ENWA, type: MT 50T SRH
max. capacity: 50 m³/day

POWER PLANT:

Prime movers: four (4) Caterpillar type 3516 DITA 1200 kW/each
One (1) Caterpillar type 3508 (emergency motor), 590 kW
Generators: four (4) Cat SR-4 1671 kVA/each, 600 V, 3 phase, 60 Hz, 1200 RPM
One (1) emergency generator Cat model SR-4B 700 kVA, 440 V, 3 phase, 60 Hz, 1200 RPM

HELICOPTER DECK:

Accommodates Sikorsky S-92
Construction in accordance with CAP 437

LIVING QUARTERS:

100 persons

DRILLING EQUIPMENT:

Derrick: Derrick Service International
height: 44,81 m
square base: 9,1 x 9,1m
Hook load capacity: 454 t
Drawworks: 2x50 GE 752 AR2 A, 600 kW each
Rotary table: National C-375, 37 1/2", independent drive
Top drive: Varco BJ, TDS-3 S, capacity 535 t
Mud pumps: three (3), National 12-P-160, 1 600 HP each
Shale shakers: cascade system with:
Brandt dual tandem, double deck
Brandt Dual King Cobra
Mud cleaner: Brandt, dual DMC-20
Degasser: Brandt, DG-10

BOP STACK:

Shaffer, diverter 30", 1 000 PSI
NOV Shaffer annular preventer -BC", 21 1/4", 2 000 PSI
Cameron preventer - U", 21 1/4", 2 000 PSI (two single)
NOV Shaffer annular preventer -BC ", 13 5/8", 5 000 PSI
Cameron - U" ram preventer, 13 5/8", 10 000 PSI (two double)

ACCUMULATOR DESIGN:

ABB Offshore System Inc., Model VET 40HT-460

CEMENTING UNIT:

Halliburton, model SKD Twin HT-400