

# LABIN

## Jack Up Rig



### UNIT DESIGN:

Levingstone 111-C (cantilever type)  
Year of construction: 1985, major upgrade: May 2004  
Builder: Shipyard "Viktor Lenac", Rijeka, Republic of Croatia

### CERTIFICATE OF CLASS:

American Bureau of Shipping

### HULL SIZE:

Length: 64.07 m  
Breadth: 56.70 m  
Depth: 6 988 m

### LEGS:

NPE: Square truss  
Number: three (3)  
Length: 138.41 m

### SPUD CANS:

Diameter: 14.6 m  
Height: 2.44 m

### PERFORMANCES:

Maximum water depth: 100.3 m  
Minimum water depth: 12 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: 23.5 m  
Wave height: 15.2 m  
Wave period: 13.5 sec  
Wind velocity: 70 knots

### 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 m<sup>3</sup>  
Drilling water: 639 m<sup>3</sup>  
Lamium: 254 m<sup>3</sup>  
Potable water: 120 m<sup>3</sup>  
Liquid mud: 255 m<sup>3</sup>  
Bulk mud: 124 m<sup>3</sup>  
Bulk cement: 83 m<sup>3</sup>

### 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: 42,67 m  
maximum capacity: 30,8 t  
One (1) National OS 435  
boom length: 42,67 m  
maximum capacity: 30 t

### WATER DESTILATION UNIT:

One (1) Rochem Roro 1530 DT 30 S  
max. capacity: 24 m<sup>3</sup>/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 560 kVA, 440 V, 3 phase, 60 Hz, 1200 RPM

### HELICOPTER DECK:

Accommodates Sikorsky S-61

### 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  
Derrick FLO Cleaner-DUAL L48-60F-DD-1  
Mud cleaner: Brandt, dual DMC-20  
Degasser: Brandt, D-2550-30

### UNIT DESIGN:

Hydrill MSP, diverter 30", 1 000 PSI  
Cameron annular preventer -DL", 21 1/4", 2 000 PSI  
Cameron preventer - U", 21 1/4", 2 000 PSI (two single)  
Cameron annular preventer -DL", 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 TX 500-0000, type 80

### CEMENTING UNIT:

Halliburton, model SKD Twin HT-400

### REMARKS:

Upgraded for zero pollution system