



INTEGRATED DRILLING & WELL SERVICES Co., Ltd,  
A MEMBER OF THE **INA** GROUP

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# NATIONAL 403

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## 1000 HP Drilling Rig

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### **RATED DRILLING DEPTH:**

4000 m with 5" D.P.

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### **SUBSTRUCTURE:**

Height: 7.62 m (25 ft)

Height under rotary beams: 5.79 m (19 ft)

Set Back: 200 mt

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### **MAST:**

L.C. Moore 44.5 m (146 ft)

Capacity: 280 mt

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### **CROWN BLOCK:**

No of sheaves: 5+1

Grooved: 1 1/4"

Capacity: 350 mt

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### **TRAVELLING BLOCK & HOOK:**

Emsco RA-44 & Web Wilson H-250

Capacity: 326 mt

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### **SWIVEL:**

Emsco LB-400

Capacity: 363 mt

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### **DRAWWORKS:**

National 80-UE 1000 HP, 2 x GE 752 R, 750 kW each

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### **TOP DRIVE:**

Aker Kvaerner PTD 500 AC

Capacity: 454 mt

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### **ROTARY TABLE:**

Emsco T-275 27.5"

Capacity: 454 mt



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### **POWER PLANT:**

Diesel Engines:

Generators:

Diesel Engines: 4 x Cat 399, 930 kW each, 1 x Cat 398, 670 kW

Generators: AC, 4 x Končar 4SB 1002-6, 1350 kVA each, 1 x Stanford 1200 kVA

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### **CONVERSION SYSTEM:**

General Electric AC-DC Microdrill 3000

No of SCRs: 7

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### **MUD SYSTEM:**

Mud Pumps: 2 x Emsco FB 1300, each pump powered by 2 x GE 752 R, 660 kW each

Mud Tanks: 7, Total capacity: 250 m<sup>3</sup>

Water Tanks: 2, Total capacity: 80 m<sup>3</sup>

Shale Shaker: 2 x Swaco Mongoose

Mud Cleaner: Brandt Double Dual

Desander: Pioneer T 2x12"

Desilter: Pioneer T 14x4"

Mud/Gas Separator: Atmospheric

Degasser: Swaco, Vacuum