



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

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# NATIONAL 402

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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: 300 mt

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### TRAVELLING BLOCK & HOOK:

Idec UTB-360 & Web Wilson H-250

Capacity: 326 mt

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### SWIVEL:

Emsco LB-400

Capacity: 363 mt

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### TOP DRIVE:

TESCO MS 500

Capacity: 454 mt

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### DRAWWORKS:

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

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### ROTARY TABLE:

Emsco T-2750, 27 1/2"

Capacity: 454 mt



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### POWER PLANT:

Diesel Engines: 4 x Cat 399, 930 kW each, 1 x Cat 399 for TD

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

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### CONVERSION SYSTEM:

Siemens Helb 3124/6

No of SCRs: 7

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### MUD SYSTEM:

Mud Pumps: 2 x National 12-P-160, each pump powered by 2 x GE 752 R, 660 kW each

Mud Tanks: 5, Total capacity: 342 m<sup>3</sup>

Water Tanks: 2, Total capacity: 120 m<sup>3</sup>

Shale Shaker: 2 x Thule Rigtech VSM 100

Mud Cleaner: Brandt Dual Tandem

Desander: Pioneer T 2x12"

Desilter: Pioneer T 14x4"

Mud/Gas Separator: Atmospheric

Degasser: Vacuum