



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

NATIONAL 402

1000HP Drilling Rig

RATED DRILLING DEPTH:

4000 m with 5" D.P.

SUBSTRUCTURE:

Height: 7.62 m (25 ft)

Height under rotary beams: 5.79 m (19 ft)

Set Back: 200 mt

MAST:

L.C. Moore 41.45 m (136 ft)

Capacity: 238 mt

CROWN BLOCK:

No of sheaves: 5+1

Grooved: 1 1/4"

Capacity: 300 mt

TRAVELLING BLOCK & HOOK:

Ideco UTB-360 & Web Wilson H-250

Capacity: 326 mt

SWIVEL:

Emsco LB-400

Capacity: 363 mt

TOP DRIVE:

Aker Kvaerner PTD 500 AC

Capacity: 500 mt

DRAWWORKS:

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

ROTARY TABLE:

Emsco T-2750, 27 1/2"

Capacity: 454 mt



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

CONVERSION SYSTEM:

General Electric AC-DC Microdrill 3000

No of SCRs: 6

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 m3

Water Tanks: 2, Total capacity: 120 m3

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