



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

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# CARDWELL 1

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## 900HP Drilling Rig

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### **RATED DRILLING DEPTH:**

2500 m with 5" D.P.

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### **SUBSTRUCTURE:**

Height: 5.33 m (17.5 ft)

Height under rotary beams: 4.42 m (14.5 ft)

Set Back: 200 mt

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### **MAST:**

L.C. Moore 41.45 m (136 ft)

Capacity: 227 mt

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### **CROWN BLOCK:**

No of sheaves: 5+1

Grooved: 1 1/8"

Capacity: 227 mt

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

Emsco RA 44-5 & Web Wilson 250

Capacity: 227 mt

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### **SWIVEL:**

Emsco LB-400

Capacity: 363 mt

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### **DRAWWORKS:**

Cardwell OC 900 HP, 3 x GM VA 12 -71, 260 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: 1 x Cat 399, 930 kW, 5 x Cat 398, 670 kW each

Generators: 2 x AC Končar 2SCS 1002-6, 770 kVA, 4 x DC GE 56 E 725 R3S 600 kVA each

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### **CONVERSION SYSTEM:**

Helb DC-DC

No of SCRs: 2, MCC Končar 600 kVA

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### **MUD SYSTEM:**

Mud Pumps: Emsco FB -1300 + National 9-P-100, each

pump powered by 2 x DC 5GE 752, 750 kW each

Mud Tanks: 5, Total capacity: 170 m<sup>3</sup>

Water Tanks: 1, Total capacity: 40 m<sup>3</sup>

Shale Shaker: 2 x Swaco ALS II

Mud Cleaner: Brandt Double Dual

Desander: Picenco T 6 x 6"

Desilter: Picenco T 10 x 4"

Mud/Gas Separator: Atmospheric

Degasser: Swaco, Vacuum