

# Desert Rig

## Speed Rig 1000 hp

## Specifications

| BENTEC Open Face Self-Elevating, Free Standing Mast | |
|---|---|
| **System** | Rig up by hydraulic cylinders |
| **Mast height** | 108.00 ft (33.00 m) |
| **Mast base** | 23.00 ft x 16.00 ft (7.00 m x 4.87 m) |
| **Maximum rated static hook load** | 440,000 lbs (200 t @ 10 lines) |

| BENTEC Parallel Lift Substructure | |
|---|---|
| **System** | Rig up by raising lines |
| **Height of drill floor** | 25.00 ft (7.60 m) |
| **Free height underneath rotary table** | 20.00 ft (6.10 m) |
| **Rotary capacity max** | 440,000 lbs (200 t) |
| **Setback load max** | 250,000 lbs (113 t) |

| BENTEC Drawworks E-200-AC-SG (Single Gear) | |
|---|---|
| **Power rating** | 1,000 hp (735 kW) |
| **Drill line diameter** | 1-1/8 in (28 mm) |
| **Maximum line pull** | 49,500 lbs (220 kN) |

| BENTEC Top Drive TD-250-C | |
|---|---|
| **Load capacity** | 250 ton (227 t) |
| **Electric motors** | 672 hp (500 kW) |
| **Continuous torque** | 35,200 ft-lb (47,750 Nm) |

| Two (2) BENTEC Mud Pumps — T-1300-AC (R) 7-1/2 in x 12 in | |
|---|---|
| **Electric motors** | 1 x 1,300 hp (970 kW) each |
| **Maximum pressure** | 5,000 psi |

| BENTEC Mud Tank System — Rectangular Tanks | |
|---|---|
| **Active mud volume** | 943 bbl (150 $m^3$) in basic configuration |

| BENTEC Rotary Table RDE-275 — Emergency Drive | |
|---|---|
| **Diameter of opening** | 27-1/2 in (698 mm) |

| Power Generation |
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| Three (3) engine Caterpillar 3512B with generator Leroy Somer |
| Emergency generator Caterpillar C 15 ACERT |

| BENTEC Power Control Room |
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| AC-variable frequency drive |

| OEM Solids Removal Systems |
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| Shale shaker, mud cleaner with desander and desilter |

| BENTEC Instrumentation System |
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| BENTEC infoDRILL™ drilling information system |
| Ex-proof stainless steel drillers cabin |

## Software solutions

- SYNAPSE™ Rig Control System
- rigCARE™ Remote Monitoring System
- optiDRILL™
- optiTORQUE™
- optiSLIDE™
- optiPUMP™
- Red-Zone Monitoring
- Cutting Return Monitoring
- Condition Monitoring

## Optional equipment

- Fast rig move packages
- Skidding / walking upgrades
- Pad drilling package
- Advanced pipehandling equipment
- Swing up / sling shot substructures
- Grid supply system
- Battery Energy Storage System (BESS)