

Desert Rig

Speed Rig 1500 hp

Specifications

BENTEC Open Face Self-Elevating, Free Standing Mast	
System	Rig up by hydraulic cylinders
Mast height	142.00 ft (43.30 m)
Mast base	23.00 ft x 16.40 ft (7.00 m x 5.00 m)
Maximum rated static hook load	772,000 lbs (350 t @ 12 lines)

BENTEC Parallel Lift Substructure	
System	Rig up by hydraulic cylinders
Height of drill floor	30.00 ft (9.14 m)
Free height underneath rotary table	25.30 ft (7.70 m)
Rotary capacity max	772,000 lbs (350 t)
Setback load max	500,000 lbs (227 t)

BENTEC Drawworks E-350-AC-SG (Single Gear)	
Power rating	1,500 hp (1,100 kW)
Drill line diameter	1-3/8 in (35 mm)
Maximum line pull	78,900 lbs (351 kN)

BENTEC Top Drive TD-500-XT	
Load capacity	500 ton (454 t)
Electric motors	1,140 hp (850 kW)
Continuous torque	52,000 ft-lb (70,580 Nm)

Two (2) BENTEC Mud Pumps — T-1600-AC (R) 7-1/2 in x 12 in	
Electric motors	1 x 1,600 hp (1,200 kW) each
Maximum pressure	5,000 psi

BENTEC Mud Tank System — Rectangular Tanks	
Active mud volume	1,383 bbl (220 m^3) in basic configuration

BENTEC Rotary Table RDE-375 — Emergency Drive	
Diameter of opening	37-1/2 in (952 mm)

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

BENTEC Power Control Room
AC-variable frequency drive

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

BENTEC Instrumentation System
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)