

T-700 HLR 2000HP RIG

TECHNICAL OVERVIEW

Rating	2,000 HP	1,470 kW
Hook load	1,060,000 lbs @ 12 lines	480 t
Drilling depth theoretical	24,300 ft	7,400 m
Year of construction 2012		

MAST

Type	Bentec free standing	
Height	113 ft	34.5 m
Hook load	1,060,000 lbs @ 12 lines	480 t

SUBSTRUCTURE

Type	Bentec Box-on-Box	
Height	29.5 ft	9 m
Casing load	1,000,000 lbs	454 t
Max. substructure load	1,000,000 lbs	454 t

DRAWWORKS

Type	Bentec E-2000-AC	
Horsepower rating	2,000 HP	1,470 kW
Max. line pull, low gear	105,160 lbs	47.7 t
Drilling line diameter	1 1/2"	38 mm
Auxiliary brake	Disc brake + (power braking via AC motors)	

TOP DRIVE

Type	Bentec TD-500-HT	
Capacity	1,000,000 lbs	454 t
Torque cont.	46,500 ft.lbs	63,000 Nm

ROTARY TABLE

Type	Bentec RT-375	
Table opening	37 1/2"	952.5 mm

IRON ROUGHNECK

Type	Bentec IR-100-5-P	
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DRIVE GROUP

Engine type	Caterpillar 3512 B DITA SCAC	
Horsepower rating	4 x 1,757 HP	
Generator type	Caterpillar SR4B	
Generator rating	4 x 1,500 kVA	
Voltage	690 V / 50 Hz	
SCR / VFD Unit	Bentec split VFD for cluster locations	

BOP EQUIPMENT

Depending on Clients requirements	All specified acc. to API 16A	
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MUD SYSTEM

Mud pump	Bentec T-1600-AC	
Horsepower rating	3 x 1,600 HP	
Standpipe pressure	7,500 psi	517 bar
Active mud system	910 bbl	145 m ³
Reserve mud system	2,250 bbl	358 m ³
Shale shaker type	3 x MI Swaco MD3 triple deck with LCM recovery system	

ADDITION INFORMATION

Soundproof equipment:

Rig Floor, Drawworks, Generators, Mud Pumps, Shale Shaker Area, Helical gear for Top Drive

Drawworks features:

Disc brake, 4-Q System with Joystick operation, Anti Collision System (ACS) incl. Zone Management System, Automatic Driller System

Power Supply:

Diesel Engine Driven or/and Grid-Power Supply with Transformer

Certification: ATEX & CE

Miscellaneous:

- Air Conditioned Driller Cabin with Bentec InfoDrill & CCTV
- Hands-Off Pipe Handling System, Mechanized & Semi-Automated.
- Manipulator Arm
- Vertical Pipe Conveyor
- Automated DP (Range II, doubles) & Casing Storage System on Ground Floor (No Setback)
- 4 t Overhead Crane for BHA handling
- Skidding System incl. extension Kit for 35 m
- Soft Torque System – Bentec VFD Version
- Soft Pump System – Bentec Mark III
- Covered Tank System with roof

