

T-207 BENTEC 420-AC

TECHNICAL OVERVIEW

Rating	2,000 HP	1,490 kW
Hook load	925,000 lbs @ 12 lines	420 t
Drilling depth theoretical	18,000 ft	5,486 m

Year of construction 2009; Upgrade 2019

MAST

Type	Bentec MVL-770-142-28 Bootstrap vertical erection	
Height	142 ft	43.3 m
Hook load	925,000 lbs @ 12 lines	420 t

SUBSTRUCTURE

Type	Bentec SB-770-450-30 Box-on-Box	
Height	30 ft	9 m
Casing load	925,000 lbs	420 t
Setback load	487,000 lbs	221 t

DRAWWORKS

Type	Bentec E-420-AC-DG	
Horsepower rating	2,000 HP	1,490 kW
Max. line pull	88,625 lbs	40.2 t
Drilling line diameter	1 3/8"	35 mm
Auxiliary brake	Bentec EB6032A	

TOP DRIVE

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

ROTARY TABLE

Type	Mud King RT 375-53	
Table opening	37 1/2"	952.5 mm

IRON ROUGHNECK

Type	NOV ST-120
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DRIVE GROUP

Engine type	Caterpillar 3512B	
Horsepower rating	4 x 1,757 HP	1,310 kW
Generator type	Caterpillar SR4B	
Generator rating	4 x 1,500 kVA	
Voltage	690 V, 50 Hz	
SCR / VFD Unit	Bentec VFD	



MUD SYSTEM

Mud pump	Wirth TPK-1600	
Horsepower	3 x 1,600 HP	
Standpipe pressure	5,000 psi	350 bar
Active mud system	1,260 bbl	200 m ³
Reserve mud system	755 bbl	120 m ³
Shale shaker type	3 x Thule VSM 300	elliptical

BOP EQUIPMENT

Depending on Clients requirements	All specified acc. to API 16A
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ADDITIONAL INFORMATION

Soundproofed 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), 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
- Mechanized Catwalk System – Bentec MCS
- Mechanized Derrickman System – Bentec MDS
- Soft Pump System - Bentec
- Soft Torque Rotary System – Bentec M III
- Gas detection system - Honeywell
- Skidding system incl. extension kit for 15 m