

## T-502 CLUSTER SLIDER HR5000

### TECHNICAL OVERVIEW

<b>Rating</b>	1,500 HP	1,100 kW
<b>Hook load</b>	882,000 lbs @ 12 lines	400 t
<b>Drilling depth theoretical</b>	16,400 ft	5,000 m

Year of construction 2006

### MAST

<b>Type</b>	Bentec cantilever	
<b>Height</b>	152 ft	46.3 m
<b>Base</b>	30 ft	9.1 m
<b>Max. static hook load</b>	882,000 lbs	400 t
<b>Nominal hook load</b>	706,000 lbs	320 t

### SUBSTRUCTURE

<b>Type</b>	Bentec	
<b>Height</b>	35ft 4in	10.7 m
<b>Casing load</b>	882,000 lbs	400 t
<b>Setback Load</b>	500,000 lbs	227 t

### DRAWWORKS

<b>Type</b>	Bentec E-1500-DC/Short Version	
<b>Horsepower rating</b>	1,500 HP	1,100 kW
<b>Max. line pull</b>	81,800 lbs	37.1 t
<b>Drilling line diameter</b>	1 3/8"	32 mm
<b>Auxiliary brake</b>	Bentec EB-6032-A Brake	

### TOP DRIVE

<b>Type</b>	Varco TDS-11SA	
<b>Capacity</b>	1,000,000 lbs	454 t
<b>Torque</b>	37,500 ft.lbs	50,842 Nm

### ROTARY TABLE (ASSISTING)

<b>Type</b>	Abco RK-375	
<b>Table opening</b>	37 1/2"	952.5 mm

### IRON ROUGHNECK

<b>Type</b>	KGH-8000
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### DRIVE GROUP

<b>Engine type</b>	Caterpillar 3512B alternative 6 kV power supply
<b>Generator type</b>	Caterpillar SR4B
<b>Horsepower rating</b>	4 x 1,756 HP @ 1,500 rpm
<b>Generator rating</b>	4 x 1,500 kVA @ 1,500 rpm
<b>Voltage</b>	690 V, 50 Hz
<b>Control Unit</b>	Bentec SCR



### MUD SYSTEM

<b>Pump type</b>	Wirth TPK 7 1/2" x 12", 1600 CL	
<b>Horsepower rating</b>	2 x 1,600 HP	
<b>Standpipe pressure</b>	5,000 psi	350 bar
<b>Shale shaker</b>	3 pcs single	
<b>Shale shaker type</b>	MI Swaco Mongoose PT	
<b>Mud cleaner</b>	MI Swaco 2-12 ALSII	
<b>Centrifuge</b>	2 pcs	
<b>Centrifuge type</b>	MI Swaco 518	
<b>Active mud system</b>	1,453 bbl	230 m3
<b>Reserve mud system</b>	1,622 bbl	258 m3

### BOP EQUIPMENT

<b>Annular</b>	13 5/8" – 5,000 psi
<b>Single ram</b>	13 5/8" – 10,000 psi; 2 pc

### CAMP EQUIPMENT

Full rig and base camp

### ADDITIONAL EQUIPMENT

Anti Collision System (Bentec ACS)  
Soft Pump System (Bentec SPS)  
Soft Torque Rotary System (Bentec STRS)  
Feed Off Control System (Bentec FOCS)