

# T-401

## BENTEC ARCTIC RIG HR-4000

### TECHNICAL OVERVIEW

<b>Rating</b>	1,250 HP	920 kW
<b>Static hook load</b>	550,000 lbs @ 10 lines	250 t
<b>Drilling depth theoretical</b>	13,120 ft	4,000 m

Year of construction 2011

### MAST

<b>Type</b>	Bentec Bootstrap	
<b>Height</b>	146 ft	44.5 m
<b>Base</b>	21.3 ft x 14.1 ft	6.5 x 4.3 m
<b>Hook load</b>	550,000 lbs	250 t

### SUBSTRUCTURE

<b>Type</b>	Bentec Box-on-Box	
<b>Height</b>	8.5 m	27.9 ft
<b>Clear height</b>	7 m	23 ft
<b>Casing load</b>	550,000 lbs	250 t
<b>Setback load</b>	350,000 lbs	160 t

### DRAWWORKS

<b>Type</b>	Bentec E1250-AC	
<b>Horsepower rating</b>	1,250 HP	920 kW
<b>Max. line pull, low gear</b>	61,950 lbs	28.3 t
<b>Drilling line diameter</b>	1¼"	32 mm

### TOP DRIVE

<b>Type</b>	Bentec TD-350-HT	
<b>Capacity</b>	700,000 lbs	317 t
<b>Torque</b>	46,500 ft.lbs	63,000 Nm

### ROTARY TABLE

<b>Type</b>	LS-NOV ZP-275	
<b>Table opening</b>	27½"	698.5 mm

### DRIVE GROUP

<b>Engine type</b>	Caterpillar 3512B	
<b>Horsepower rating</b>	4 x 1,750 HP @ 1,500 rpm	
<b>Generator type</b>	Caterpillar SR4B	
<b>Generator rating</b>	4 x 1,457 kVA @ 1,500 rpm	
<b>Voltage</b>	690/400 V, 50 Hz	
<b>SCR/VFD Unit</b>	Bentec, 3 VFD bays / 2 SCR	



### MUD SYSTEM

<b>Pump type</b>	Wirth TPK-1600CL, 7½" x 12"	
<b>Horsepower rating</b>	2 x 1,600 HP	
<b>Standpipe pressure</b>	5,000 psi	350 bar
<b>Active mud system</b>	1,165 bbl	186 m <sup>3</sup>
<b>Reserve mud system</b>	756 bbl	120 m <sup>3</sup>
<b>Shale shaker type</b>	3 x Mongoose PT	

### BOP EQUIPMENT

<b>Annular</b>	13 <sup>5</sup> / <sub>8</sub> " x 5,000 psi	
<b>Double ram</b>	13 <sup>5</sup> / <sub>8</sub> " x 5,000 psi	
<b>Single ram</b>	13 <sup>5</sup> / <sub>8</sub> " x 5,000 psi	

### CAMP EQUIPMENT

Full rig and base camp

### ADDITIONAL INFORMATION

Designed for "Arctic" environment, min -45°C to max +40°C with heated Driller's Cabin, Drill Floor, Set Back area and Support modules to improve working environment.

Vertical mast erection (Bootstrap type) for small locations