

## T-72 NATIONAL 1320-UE

### TECHNICAL OVERVIEW

<b>Rating</b>	2,000 HP	1,491 kW
<b>Hook load</b>	1,300,000 lbs @ 14 lines	590 t
<b>Drilling depth theoretical</b>	20,000 ft	6,096 m

Year of construction 2010

### MAST

<b>Type</b>	Cantilever	
<b>Height</b>	152 ft	46.3 m
<b>Base</b>	30 ft	9.1 m
<b>Static hook load</b>	1,300,000 lbs	590 t

### SUBSTRUCTURE

<b>Type</b>	Sling-shot	
<b>Height</b>	35 ft	10.7 m
<b>Casing load</b>	1,300,000 lbs	590 t
<b>Setback load</b>	800,000 lbs	363 t

### DRAWWORKS

<b>Type</b>	National 1320-UE	
<b>Horsepower rating</b>	2,000 HP	1,491 kW
<b>Max. line pull</b>	93,500 lbs	42.4 t
<b>Drilling line diameter</b>	1 1/2"	38.1 mm
<b>Auxiliary brake</b>	Baylor 7838	

### TOP DRIVE

<b>Type</b>	Varco TDS-4S	
<b>Capacity</b>	1,300,000 lbs	590 t
<b>Torque</b>	45,500 ft.lbs	61,690 Nm

### ROTARY TABLE

<b>Type</b>	National C-375	
<b>Table opening</b>	37 1/2"	952.5 mm

### DRIVE GROUP

<b>Engine type</b>	Caterpillar 3512B
<b>Horsepower rating</b>	5 x 1,476 HP
<b>Generator type</b>	Caterpillar SR-4
<b>Generator rating</b>	5 x 1,500 kVA
<b>Voltage</b>	600/460 V, 60 Hz
<b>SCR unit</b>	Bentec SCR



### MUD SYSTEM

<b>Pump type</b>	Wirth TPK-1600	
<b>Horsepower rating</b>	3 x 1,600 HP	
<b>Shale shaker type</b>	Linear motion	
<b>Shale shaker</b>	3 x Brandt King Cobra	
<b>Standpipe Pressure</b>	5,000 psi	345 bar
<b>Active mud system</b>	1,370 bbls	220 m <sup>3</sup>
<b>Reserve mud system</b>	1,510 bbls	240 m <sup>3</sup>

### BOP EQUIPMENT

<b>Annular</b>	21 1/4" - 2,000 psi
	13 5/8" - 5,000 psi
<b>Single ram</b>	13 5/8" - 10,000 psi
<b>Double ram</b>	13 5/8" - 10,000 psi

### CAMP EQUIPMENT

Full rig and base camp