

## T-80A NATIONAL 1625 UE

### TECHNICAL OVERVIEW

<b>Rating</b>	3,000 HP	2,237 kW
<b>Hook load</b>	1,275,000 lbs @ 12 lines	578 t
<b>Drilling depth theoretical</b>	30,000 ft	9,144 m

Year of construction 1991, totally refurbished in 2004

### MAST

<b>Type</b>	Pyramid cantilever	
<b>Height</b>	161 ft	49 m
<b>Base</b>	30 ft	9.1 m
<b>N.G.C</b>	1,640,000 lbs	744 t
<b>Hook load</b>	1,275,000 lbs	567 t

### SUBSTRUCTURE

<b>Type</b>	Pyramid swing-up	
<b>Height</b>	31 ft	9.4 m
<b>Casing load</b>	1,275,000 lbs	578 t
<b>Setback load</b>	750,000 lbs	340 t

### DRAWWORKS

<b>Type</b>	National 1625 DE	
<b>Horsepower rating</b>	3,000 HP	2,237 kW
<b>Max. line pull</b>	150,000 lbs	68 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-4H	
<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 SR4	
<b>Generator rating</b>	5 x 1,500 kVA	
<b>Voltage</b>	600/440 V, 60 Hz	
<b>SCR unit</b>	Bentec SCR, 7 bays	



### MUD SYSTEM

<b>Pump type</b>	National 12P-160	
<b>Horsepower rating</b>	3 x 1,600 HP	
<b>Shale shaker type</b>	Thule VSM 300	
<b>Shale shaker</b>	3 pcs, High-G linear motion	
<b>Standpipe pressure</b>	5,000 psi	345 bar
<b>Active mud system</b>	1,300 bbl	205 m3
<b>Reserve mud system</b>	700 bbl	110 m3

### BOP EQUIPMENT

<b>Annular</b>	13 5/8" x 5,000 psi	
<b>Double ram</b>	13 5/8" x 10,000 psi	
<b>Single ram</b>	13 5/8" x 10,000 psi	

### CAMP EQUIPMENT

Full rig and base camp