

## T-221 FAST MOVING DESERT RIG

### TECHNICAL OVERVIEW

<b>Rating</b>	1,500 HP	1,100 kW
<b>Hook load</b>	800,000 lbs @ 12 lines	362 t
<b>Drilling depth theoretical</b>	18,000 ft	5,500 m

Year of construction 2011

### MAST

<b>Type</b>	Bentec Open face self-elevating	
<b>Height</b>	142 ft	43.3 m
<b>Base</b>	23 ft x 16 ft	7 x 5 m
<b>Hook load</b>	800,000 lbs	362 t
<b>GNC</b>	1,000,000 lbs	454 t

### SUBSTRUCTURE

<b>Type</b>	Bentec Parallel lift	
<b>Height</b>	30 ft	9.15 m
<b>Rotary load</b>	800,000 lbs	362 t
<b>Setback load</b>	500,000 lbs	227 t

### DRAWWORKS

<b>Type</b>	Bentec E-1500-AC-SG, single speed gearbox	
<b>Horsepower rating</b>	1,500 HP	1,100 kW
<b>Max. line pull</b>	71,210 lbs	35.8 t
<b>Drilling line diameter</b>	1 3/8"	35 mm
<b>Auxiliary brake</b>	Disc brake + power breaking via AC motors	

### TOP DRIVE

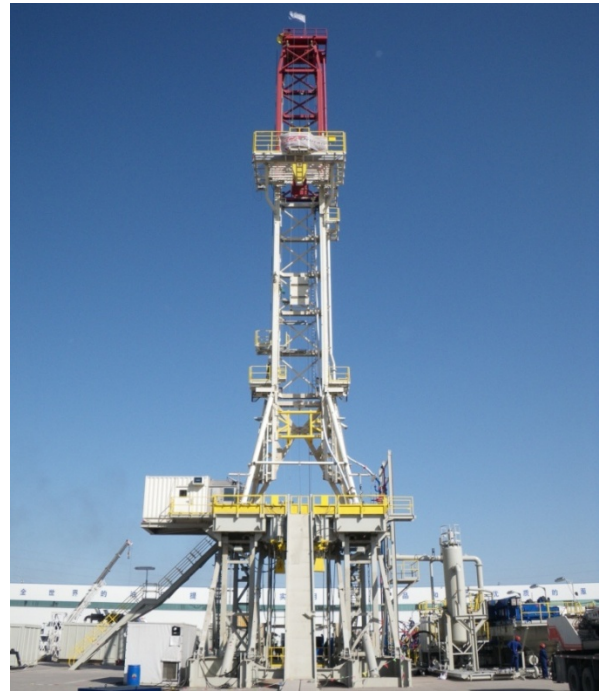
<b>Type</b>	Bentec TD-500-HT	
<b>Capacity</b>	1,000,000 lbs	454 t
<b>Continuous Torque</b>	46,500 ft.lbs	63,000 Nm

### ROTARY TABLE (ASSISTING)

<b>Type</b>	Kerui ZP-375	
<b>Table opening</b>	37 1/2"	952.5 mm

### DRIVE GROUP

<b>Engine type</b>	Caterpillar 3512B	
<b>Horsepower rating</b>	4 x 1,476 HP	
<b>Generator type</b>	Caterpillar SR4B	
<b>Generator rating</b>	4 x 1,500 kVA	
<b>Voltage</b>	600 V / 60 Hz	
<b>VFD unit</b>	Bentec 5 VFD bays	



### MUD SYSTEM

<b>Pump type</b>	Bomco F-1600, 7" x 12"	
<b>Horsepower rating</b>	2 x 1,600 HP	
<b>Standpipe pressure</b>	5,000 psi	350 bar
<b>Shale shaker(s)</b>	3 pc, Brandt King Cobra	
<b>Active mud system</b>	1,600 bbl	225 m <sup>3</sup>
<b>Reserve mud system</b>	940 bbl	150 m <sup>3</sup>
<b>Water capacity</b>	880 bbl	140 m <sup>3</sup>

### 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

### IRON ROUGHNECK

<b>Type</b>	Blohm & Voss "Floorhand"
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### CAMP EQUIPMENT

Full rig and base camp

### ADDITIONAL INFORMATION

- Bentec Drillers Controls System complete with joystick drawworks control.
- Hydraulic catwalk system.
- Winterization package:
- Substructure enclosures
- Racking board wind protection
- Wind walls around the shaker area
- Enclosure around the mixing area