

T-321 STATIONARY DRILLING RIG

TECHNICAL OVERVIEW

Rating	1,500 HP	1,100 kW
Hook load	706,000 lbs @ 12 lines	320 t
Drilling depth theoretical	16,400 ft	5,000 m

Year of construction 2011

MAST

Type	Open face self-elevating	
Height	152 ft	34.5 m
Base	30 ft	9.1 m
Hook load	706,000lbs	320 t

SUBSTRUCTURE

Type	Bentec swing-up	
Height	30 ft	9.1 m
Clear height	25 ft	7.6 m
Casing load	706,000 lbs	320 t
Setback load	500,000 lbs	227 t

DRAWWORKS

Type	Bentec E-350-AC-SG	
Horsepower rating	1,500 HP	1,100 kW
Max. line pull	71,210 lbs	35.8 t
Drilling line diameter	1 3/8"	35 mm
Auxiliary brake	Disk brake + (power braking via AC motors)	

TOP DRIVE

Type	Bentec TD-500-HT	
Capacity	1,000,000 lbs	454 t
Torque	46,500 ft.lbs	63,000 Nm

ROTARY TABLE

Type	LS-NOV ZP-375	
Table opening	37 1/2"	952.5 mm

DRIVE GROUP

Engine type	Cummins KTA50-DR1750	
Horsepower rating	4 x 1,750 HP @ 1,500 rpm	
Generator type	Leroy-Somer 4P8. 1-3000	
Generator rating	4 x 1,500 kVA @ 1,500 rpm	
Voltage	690 V, 50 Hz	
VFD-Unit	Bentec VFD	



MUD SYSTEM

Mud pump	Bomco F-1600, 7" x 12"	
Horsepower rating	2 x 1,600 HP	
Standpipe	5,000 psi	350 bar
Active mud system	1,165 bbl	185 m3
Reserve mud system	1,100 bbl	175 m3
Shale shaker type	3 x Mongoose PT	

BOP EQUIPMENT

Annular	13 5/8" - 5,000 psi	
Single ram	13 5/8" - 10,000 psi; 2 pc	

CAMP EQUIPMENT

Full rig and base camp

ADDITIONAL EQUIPMENT

Drawworks

Automatic Drawworks Control System (ADCS)
Automatic Driller System (FOCS)

Miscellaneous

Air conditioned driller cabin with Bentec InfoDrill
Softtorque rotary system

Winterization

The rig is equipped with a winterization system by use of the hot air from generator sets cooling system. The hot air is routed into the substructure and into the Mud Pump tent and Mud System area.

Substructure and Masts designed for environment, min -45°C to max +50°C. The complete mud tanks system (incl. all equipment) will be certified to operate onshore in temperature range from -25°C to +50°C.