

T-57 BENTEC E-1500-DC

TECHNICAL OVERVIEW

Rating	1,500 HP	1,100 kW
Hook load	787,000 lbs @ 12 lines	357 t
Drilling depth theoretical	16,000 ft	4,877 m
Year of construction 1981 Totally refurbished in 2011		

MAST

Type	Dreco M 14225-1050	
Height	142 ft	43.3 m
Base	24 1/3 ft	7.4 m
N.G.C	1,050,000 lbs	476 t
Hook load	787,000 lbs	357 t

SUBSTRUCTURE

Type	Dreco slingshot	
Height	25 ft	7.6 m
Casing load	750,000 lbs	340 t
Setback load	355,000 lbs	161 t

DRAWWORKS

Type	Bentec E-1500-DC	
Horsepower rating	1,500 HP	1,100 kW
Max. line pull	83,800 lbs	38 t
Drilling line diameter	1 3/8"	35 mm
Auxiliary brake	Bentec EB-6032-A	

TOP DRIVE

Type	Varco TDS-11SA	
Capacity	1,000,000 lbs	454 t
Torque	37,500 ft.lbs	50,850 Nm

ROTARY TABLE

Type	National C-275	
Table opening	27 1/2"	698.5 mm

DRIVE GROUP

Engine type	Caterpillar 3512B	
Horsepower rating	4 x 1,476 HP	
Generator type	Caterpillar SR4B	
Generator rating	4 x 1,500 kVA	
Voltage	600/460 V, 60 Hz	
SCR Unit	Bentec SCR	



MUD SYSTEM

Pump type	National 12P-160	
Horse power rating	2 x 1,600 HP	
Shale shaker type	King Cobra	
Shale shaker	3 pcs, single	
Standpipe pressure	5,000 psi	345 bar
Active mud system	1,000 bbl	160 m ³
Reserve mud system	1,600 bbl	255 m ³

BOP EQUIPMENT

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

CAMP EQUIPMENT

Full rig and base camp