

T-209 EMSCO C-2 II

TECHNICAL OVERVIEW

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

Year of construction 1980, refurbished 2007
New mast and substructure 2010

MAST

Type	Discovery cantilever	
Height	152 ft	46.3 m
Base	30 ft	9.1 m
N.G.C	1,608,000 lbs	730 t
Hook load	1,300,000 lbs	590 t

SUBSTRUCTURE

Type	Discovery sling-shot	
Height	34 ft	10.4 m
Casing load	1,300,000 lbs	590 t
Setback load	800,000 lbs	363 t

DRAWWORKS

Type	Emsco C-2 II	
Horsepower rating	2,000 HP	1,491 kW
Max. line pull	90,450 lbs	41 t
Drilling line diameter	1 1/2"	38.1 mm
Auxiliary brake	Elmagco 7838	

TOP DRIVE

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

ROTARY TABLE

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

DRIVE GROUP

Engine type	Caterpillar 3512B	
Horsepower rating	5 x 1,476 HP	
Generator type	Caterpillar SR4	
Generator rating	5 x 1,500 kVA	
Voltage	600/460 V, 60 Hz	
SCR Unit	IEC Systems	



MUD SYSTEM

Pump type	Emsco FB-1600	
Horsepower rating	3 x 1,600 HP	
Shale shaker type	Brandt King Cobra	
Shale shaker	3 pcs, linear motion	
Standpipe pressure	5,000 psi	345 bar
Active mud system	1,135 bbl	180 m ³
Reserve mud system	1,410 bbl	225 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