

T-51 EMSCO C-3 III

TECHNICAL OVERVIEW

Rating	3,000 HP	2,237 kW
Hook load	1,600,000 lbs @ 14 lines	726 t
Drilling depth theoretical	30,000 ft	9,144 m
Year of construction 1980 Refurbishment 2006		

MAST

Type	Pyramid cantilever	
Height	161 ft incl. extension	49 m
Base	30 ft	9.1 m
N.G.C	2,057,000 lbs	933 t
Hook load	1,600,000 lbs	726 t

SUBSTRUCTURE

Type	Pyramid swing-up	
Height	35 ft	10.7 m
Casing load	1,500,000 lbs	680 t
Setback load	800,000 lbs	363 t

DRAWWORKS

Type	Continental Emsco C-3 III	
Horsepower rating	3,000 HP	2,237 kW
Max. line pull	150,000 lbs	68 t
Drilling line diameter	1 ½"	38.1 mm
Auxiliary brake	Baylor 7838	

TOP DRIVE

Type	Varco TDS-11SA	
Capacity	1,000,000 lbs	454 t
Torque	37,500 ft-lbs	50,842 Nm

ROTARY TABLE

Type	National C-375	
Table opening	37 ½"	952.5 mm

IRON ROUGHNECK

Type	Varco ST-80	
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DRIVE GROUP

Engine type	Caterpillar 3512	
Horsepower rating	5 x 1,476 HP	
Generator type	Kato 1050	
Generator rating	5 x 1,500 kVA	
Voltage	600/460 V, 60 Hz	
SCR unit	IDM / IPS	

MUD SYSTEM

Pump type	Wirth TPK-2000 Triplex	
Horsepower rating	3 x 2,000 HP	
Standpipe pressure	7,500 psi	517 bar
Shale shaker type	Derrick Hyper Pool 4	
Shale shaker	3 pcs single	
Active mud system	1,360 bbl	217 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

ADDITIONAL INFORMATION

15,000 psi BOP Stack