

T-66 EMSCO D3 II

TECHNICAL OVERVIEW

Rating	1,000 HP	746 kW
Hook load	600,000 lbs @ 10 lines	272 t
Drilling depth theoretical	12,000 ft	3,658 m

Year of construction 1990, refurbishment 2019

MAST

Type	Dreco M13620-840 DT telescope	
Height	136 ft	41.5 m
Base	20 ft	6.1 m
N.G.C.	840,000 lbs	381 t
Hook load	600,000 lbs	272 t

SUBSTRUCTURE

Type	Dreco trailer mounted	
Height	24 ² / ₃ ft	7.5 m
Casing load	600,000 lbs	272 t
Setback load	380,000 lbs	172 t

DRAWWORKS

Type	Continental Emsco D3 II	
Horsepower rating	1,000 HP	746 kW
Max. line pull	65,000 lbs	29.5 t
Drilling line diameter	1 1/4"	31.8 mm
Auxiliary brake	Baylor 6032	

TOP DRIVE

Type	Varco TDS-10S	
Capacity	551,000 lbs	250 t
Torque	20,000 ft.lbs	27,115 Nm

ROTARY TABLE

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

DRIVE GROUP

Engine type	Caterpillar D 399 TA	
Horsepower rating	4 x 1,153 HP	
Generator type	Kato 1030	
Generator rating	4 x 1,286 kVA	
Voltage	600/460 V, 60 Hz	
SCR	IDM / IPS	



MUD SYSTEM

Pump type	Wirth TPK-1600 Triplex	
Horsepower rating	2 x 1,600 HP	
Shale shaker type	Derrick FL 513	
Shale shaker	3 pcs single	
Standpipe pressure	5,000 psi	345 bar
Active mud system	1,330 bbl	211 m ³
Reserve mud system	940 bbl	150 m ³

BOP EQUIPMENT

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

CAMP EQUIPMENT

Full rig and base camp

ADDITIONAL INFORMATION

Highly mobile desert rig
Trailerised camp