

T-840 NOV IDEAL RIG, CANTILEVER HYDRAULIC LIFT, TRIPLE

TECHNICAL OVERVIEW

Rating	1,500 HP	1,118 kW
Hook load	750,000 lbs @ 10 lines	340.2 mt
Design depth theoretical	14,765 ft w/ 5" DP	4,500 m

Year of construction 2009, refurbished 2019

MAST

Type	NOV Cantilever Mast	
Height	142 ft	43.2 m
Base	12,33 ft	3.75 m
N.G.C	840,827 lbs	384.1 mt
Hook load	750,000 lbs	340.2 mt

SUBSTRUCTURE

Type	NOV Parallelogram, Hydr.	
Height	25 ft	7.62 m
Casing load	750,000 lbs	340.2 mt
Setback load	500,000 lbs	226.8 mt

DRAWWORKS

Type	NOV JC-50D	
Horsepower rating	1,500 HP	1,118 kW
Max. line pull	76,435 lbs	34.67 mt
Drilling line diameter	1 3/8"	34.9 mm
Auxiliary brake	Baylor 6032W	

TOP DRIVE

Type	NOV TDS-11SA	
Capacity	1,000,000 lbs	454 mt
Torque cont.	37,500 ft-lbs@125RPM	50,843 Nm

ROTARY TABLE

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

IRON ROUGHNECK

Type	NOV IR-3080-ARM	
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DRIVE GROUP

Engine type	MTU R1638A36 16V-2000	
Horsepower rating	4 x 1,481 HP/1800RPM	
Generator type	Baylor S4370UJ-597A	
Generator rating	4 x 1,750 kVA	
Voltage	600/460 V, 60 Hz	
SCR Unit	NOV/Ross Hill DC System	



MUD SYSTEM

Pump type	NOV 12-P-160 Triplex	
Horsepower rating	2 x 1,600 HP	
Shale shaker type	Brandt King Cobra II	
Shale shaker	2 x single units w/common box	
Standpipe pressure	5,000 psi	345 bar
Active mud system	1,314 bbl	209 m ³
Reserve mud system	500 bbl	79,5 m ³
Trip Tank	100 bbl	15,9 m ³

BOP EQUIPMENT

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

CAMP EQUIPMENT

Full rig and base camp

ADDITIONAL INFORMATION

- Hydraulic Catwalk System
- NOV Drillers Control System complete with Joystick and Drawworks Auto Driller System
- NOV RigSense Drilling Instrumentation System
- RigSmart Anti Collision System