

T-75 NATIONAL 1320-UE

TECHNICAL OVERVIEW

Rating	2,000 HP	1,491 kW
Hook load	1,000,000 lbs @ 12 lines	454 t
Design depth theoretical	20,000 ft	6,096 m
Refurbished in 2015		

MAST

Type	Turmeric cantilever swing lift Type II	
Height	147 ft	44,8 m
Base	35 ft	10,7m
Hook load	1,000,000 lbs	454 t

SUBSTRUCTURE

Type	Turmeric swing lift self-elevating	
Height	35 ft	10,7 m
Casing load	1,000,000 lbs	454 t
Setback load	800,000 lbs	362 t

DRAWWORKS

Type	National 1320-UE (at ground level)	
Horsepower rating	2,000 HP	1,491 kW
Max. line pull	94,300 lbs	42.8 m
Drilling line diameter	1 ½"	38.1 mm
Auxiliary brake	Baylor 7838	

TOP DRIVE

Type	Varco IDS-1	
Capacity	1,000,000 lbs	454 t
Torque	34,900 ft.lbs	47,320 Nm

ROTARY TABLE

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

DRIVE GROUP

Engine type	Caterpillar 3512B	
Horsepower rating	4 x 1,476 HP	
Generator type	Caterpillar SR4	
Generator rating	4 x 1,500 kVA	
Voltage	600/460/400 V, 60 Hz	
SCR Unit	Bentec DTI-200	



MUD SYSTEM

Pump type	National 12-P-160	
Horsepower rating	3 x 1,600 HP	
Shale shaker type	Derrick	
Shale shaker	3 pcs single	
Standpipe pressure	5,000 psi	350 bar
Active mud system	1,320 bbl	210 m3
Reserve mud system	1,820 bbl	290 m3

BOP EQUIPMENT

Diverter	29 ½" - 500 psi	
Annular	21 ¼" - 2,000 psi	
	13 5/8" - 5,000 psi	
Single ram	20 ¾" - 3,000 psi, 2 pc	
	13 5/8" - 10,000 psi, 2 pc	
Double ram	13 5/8" - 10,000 psi	

AUXILIARY EQUIPMENT

Full rig and base camp
 Air conditioned drillers cabin
 4-Quadrant (4-Q) state of the art drawworks control system incl. joystick operation
 Bentec hydraulic catheads
 Automatic driller system
 Soft Pump, Soft Torque, Anti Collision System