

## T-55 NATIONAL 610 M

### TECHNICAL OVERVIEW

<b>Rating</b>	750 HP	559 kW
<b>Hook load</b>	450,000 lbs @ 12 lines	204 t
<b>Drilling depth theoretical</b>	12,000 ft	3,658 m
	Year of construction 1987 Refurbishment 2010	

### MAST

Type	Dreco M 13116-630DT	
Height	131 ft	40 m
Base	16 ft	4.9 m
N.G.C.	630,000 lbs	286 t
Hook load	450,000 lbs	204 t

### SUBSTRUCTURE

Type	Dreco trailer mounted	
Height	24.75 ft	7.5 m
Casing load	450,000 lbs	204 t
Setback load	275,000 lbs	125 t

### DRAWWORKS

Type	National 610 M	
Horsepower rating	750 HP	559 kW
Max. line pull	47,000 lbs	21.3 t
Drilling line diameter	1 1/8"	28.5 mm
Auxiliary brake	Baylor 5032	

### ROTARY TABLE

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

### DRIVE GROUP

Engine type	Caterpillar D 399	
Horsepower rating	4 x 1,000 HP	
Generator type	Kato 1050	
Generator rating	4 x 1,287 kVA	
Voltage	600/460 V, 60Hz	
SCR Unit	Hill Graham	



### MUD SYSTEM

Pump type	Continental Emsco FB 1300	
Horsepower rating	2 x 1,300 HP	
Shale shaker type	Derrick FL 513	
Standpipe pressure	5,000 psi	345 bar
Active mud system	1,110 bbl	176 m <sup>3</sup>
Reserve mud system	1,060 bbl	168 m <sup>3</sup>

### BOP EQUIPMENT

Annular	13 5/8" – 5,000 psi
Double ram	13 5/8" – 5,000 psi

### CAMP EQUIPMENT

Full rig and base camp

### ADDITIONAL INFORMATION

Highly mobile desert rig  
Trailerised camp