

NATIONAL 600
SPECIFICATION OF MAJOR RIG EQUIPMENT

HOISTING EQUIPMENT

DRAWWORKS

<u>Make and Model</u>	National 4223 TD
<u>Power</u>	Caterpillar 3408 DITA Diesel Engine – 475 HP Enclosed in soundproofed house.
<u>Transmission</u>	Alison 5861
<u>Drum Grooving</u>	Lebus 1 ¹ / ₈ "
<u>Auxiliary Brake</u>	Parmac 202 Hydromatic Brake.
<u>Crown Block Safety Device</u>	Bentec ACS system – Koomey CBS
<u>Catheads</u>	Hydraulic Cathead System – Ortman
<u>Wire Line</u>	1 1/8" IWRC EPS
<u>Wire Line Anchor</u>	National Type T-6891. 1 1/8".

MAST

<u>Make</u>	National - Telescoping doubles mast
<u>Guying</u>	Internally guyed and 2 no. 8 tonne dead weights at rear of rig.
<u>Dimensions</u>	Clear Height 27.50 metres – rig floor to underside of crown.
<u>Nominal Capacity</u>	Maximum Combined Operating Hook load 350,000 lbs
<u>Capacity with 10 Lines strung</u>	Actual pull will be limited by hoist clutch approx. 300 kips
<u>Capacity with 8 Lines strung</u>	Actual pull will be limited by hoist clutch approx. 250 kips
<u>Racking Capacity</u>	2,000 metres of 4" drill pipe

SUBSTRUCTURE

<u>Make and Type</u>	IDECO (Roberds Johnson) - Telescopic.
<u>Simultaneous Capacity</u>	200,000 lbs casing capacity with 200,000 lbs setback capacity Total Load 400,000 lbs.
<u>Height to floor</u>	4.47 Metres RTE
<u>Rig winches</u>	2 no. Braden 3T Hydraulic Winches Rig Floor & Carrier mounted.
<u>Man Riding Winch</u>	Prolift Manriding winch 150KG
<u>BOP Handling</u>	To suit a 13 5/8" BOP 5M Stack.
<u>Standpipe</u>	3" schedule 160, 5,000 psi

RIG 41

ROTARY EQUIPMENT

ROTARY TABLE

Make and Model

National C 27^{1/2}"

Power

Chain drive from drawworks

Static load capacity

570 tons (Rotating load capacity 355 tons)

Size opening

27^{1/2}"

ROTARY MASTER BUSHING

Make and Model

Varco MSPC c/w casing bowls - #1,#2,
Nº: 1 - 13^{3/8}" - 11^{3/4}" Nº: 2 - 10^{3/4}" - 9^{5/8}" Nº: 3 - 8^{5/8}" down

Type

Pin Drive with lifting slings etc.
c/w bowls Nº: 1 - 13^{3/8}" - 11^{3/4}"
Nº: 2 - 10^{3/4}" - 9^{5/8}"
Nº: 3 - 8^{5/8}" down

SWIVEL

Emsco LB200 – 200 ton , 4,000 psi WP

TRAVELLING BLOCK.

Ideco Shorty UTB-160
4 Sheave block

KELLY

4 1/4" Hexagonal Kelly.
6 5/8" Reg LH Box up and NC46 RH Pin down

KELLY SPINNER

Foster 77-6R Hydraulic power

KELLY BUSHING

VARCO 27HDP
Heavy Duty Pin Drive c/w 4 1/4" Hex Rollers

