

## IDECO 5625

### TYPICAL SPECIFICATION OF MAJOR RIG EQUIPMENT

<b><u>MODEL</u></b>	Ideco Back-in-Rambler 5625 self propelled mobile drilling rig Manufactured in Canada by Dresser, February 1982
<b><u>DRAWWORKS</u></b>	Ideco H-37ESC double drum 422 h.p.
<b><u>POWER</u></b>	Detroit 12V71 diesel engine complete with CLBT-5861-4 Allison transmission, safety shutdown, mufflers and air intake emergency shutdown valve, housed in an integral acoustic enclosure
<b>Drum</b>	18" diameter x 36 <sup>3</sup> / <sub>4</sub> " long
<b>Drum Grooving</b>	Lebus for 1 <sup>1</sup> / <sub>8</sub> " OD drilling line
<b>Main Drum Brakes</b>	Ideco 42" x 10 <sup>1</sup> / <sub>2</sub> " with enclosed water circulating cooling system
<b>Water Brake</b>	Ideco 15" double hydromatic brake
<b>Crown Block Protector</b>	Koomey
<b>Sandline Drum</b>	12 <sup>3</sup> / <sub>4</sub> " diameter x 39" long complete with 8mm wireline
<b>Sandline Drum Brake</b>	Ideco 38" x 8 <sup>1</sup> / <sub>2</sub> "
<b><u>MAST</u></b>	Ideco Kwik-Lift Model KM-108-270-KH
<b>Dimensions</b>	Clear Height 108' telescopic
<b>Capacity</b>	API Static Hookload 270,000 lbs
<b>Racking Capacity</b>	2500m of 3 <sup>1</sup> / <sub>2</sub> " drill pipe and 10 stands of up to 6 <sup>1</sup> / <sub>2</sub> " drill collars (Stand = 60')
<b>Crown Block</b>	8 N° lines strung to travelling block, 4 N° 30" diameter sheaves with 1 N° 36" diameter fast line sheave
<b>Height Above Ground Level</b>	115'
<b><u>MUD BOAT</u></b>	16 metres long x 2.7 metres wide x 0.91 metres high
<b><u>SUBSTRUCTURE</u></b>	Ideco
<b>Setback Capacity</b>	300,000 lbs
<b>Clearance under rotary beams</b>	12'
<b>Height of Rotary Table</b>	13' 6" above ground level
<b>Working Area</b>	15' x 15' 5"

**TRAVELLING BLOCK  
& HOOK**

Ideco Shorty  
4 N° 30" diameter grooved for 1<sup>1</sup>/<sub>8</sub>" drilling line  
Capacity 160 ton  
Elevator Links 2<sup>3</sup>/<sub>4</sub>" diameter x 96" long x 250 ton capacity

**ROTARY TABLE**

Mud King RT205  
Power Via vertical oil filled chain drive from drawworks  
Static load capacity 350 tons  
Size Opening 20<sup>1</sup>/<sub>2</sub>"

**KELLY BUSHING**

Varco HDS Square Drive

**ROTARY MASTER BUSHING**

Mud King split to suit 20<sup>1</sup>/<sub>2</sub>" Rotary Table

**SWIVEL**

Ideco TL 200

Dead Load Capacity

200 tons

Working Pressure

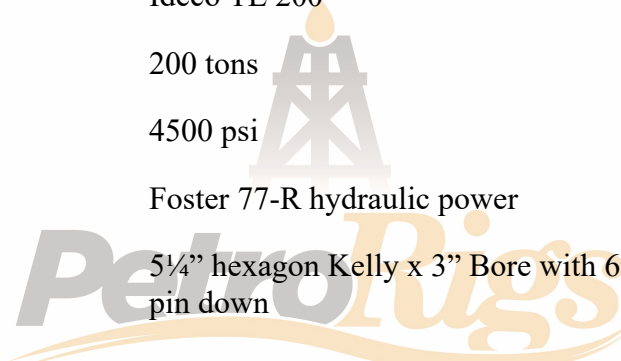
4500 psi

**KELLY SPINNER**

Foster 77-R hydraulic power

**KELLY**

5<sup>1</sup>/<sub>4</sub>" hexagon Kelly x 3" Bore with 6<sup>5</sup>/<sub>8</sub>" Reg LH Box up and 4" IF RH pin down



**MUD PUMP N° 1**

Gardner Denver PZ-9 Triplex

**Charging Pump**

Magnum 5 x 6 complete with 25 hp electric motor

**Power**

Caterpillar 3512-A diesel in acoustic enclosure

**Liners**

<u>Liner Size</u>	<u>Maximum discharge Pressure psi</u>	<u>Maximum Discharge g.p.m.</u>
6½"	2650	429
5½"	3710	308
4 ½"	4500	209

**MUD PUMP N° 2**

Gardner Denver PZ-9 Triplex

**Charging Pump**

Mission 5 x 6 complete with 25 hp electric motor

**Power**

Caterpillar 3512-A diesel in acoustic enclosure

**Liners**

<u>Liner Size</u>	<u>Maximum discharge Pressure psi</u>	<u>Maximum Discharge g.p.m.</u>
6½"	2650	429
5½"	3710	308
4 ½"	4500	209

**STANDPIPE**

4" I.D. x 48' 7" high x 6000 psi Test Schedule 160 pipe with 4" Female best knock-up union

**ROTARY HOSE**

3" I.D. x 55' long x 7500 psi Test with 4" female Best knock-up union

**RIG AIR COMPRESSOR SYSTEM** 1 N° Ingersoll Rand Model SSR MH 30 with 1 N° 40 hp electric motor giving 134 cfm @ 150 psi. Complete with drying system

**RIG WINCH**

1 N° Braden Hydraulic powered 3 ton capacity and 1 N° TMA 2.5 Ton capacity located on the rig carrier.

**MUD SYSTEM**

680 barrel total capacity

**Active Mud Tank**410 barrel capacity in 2 N° tanks c/w 30 barrel pill tank  
190 barrel mixing capacity c/w 50 barrel pill tank in 1N° tank**Trip Tank**

24 barrel capacity

**Mud Mixing**1 N° Hopper with 50 h.p 6 x 5 magnum centrifugal pump.  
12 N° bottom agitator Nozzles and capability to mix 1MT bags of chemicals

## **SOLIDS CONTROL**

<b>Shale Shaker</b>	2 N° Thule VSM 100 Linear motion
<b>Mud Cleaner</b>	Bariod c/w 6 x 4" cones
<b>Pump</b>	Mission 5 x 4R centrifugal with 25 hp electric motor
<b>Cellar Pump</b>	6" Sykes
<b>Degasser</b>	Poor Boy

## **CHOKE MANIFOLD**

1 N° 3<sup>1</sup>/<sub>8</sub>" Cameron 5,000 psi manual adjustable choke  
1 N° 2<sup>9</sup>/<sub>16</sub>" Swaco 10,000 psi remote adjustable choke

## **KILL LINE**

2" x 5,000 psi with 2 N° McEvoy 3<sup>1</sup>/<sub>8</sub>" x 5,000 psi valves

## **CHOKE LINE**

3" x 5,000 psi with 2 N° 3<sup>1</sup>/<sub>8</sub>" 5,000 psi McEvoy valves and choke hose

## **INSTRUMENTATION**

Martin Decker Clipper Weight Indicator  
2 N° Rotary SPM gauges with digital readout  
1 N° Martin Decker pump pressure gauge  
IML Rotary Torque and RPM with digital readouts

## **CATWALK**

1 x 13.70m long x 1.07m high x 2.44m wide c/w hydraulic winch

## **PIPE RACKS**

4 N° x 8.5m long x 1.07m high

## **STORAGE AND ACCOMMODATION UNITS**

Junk Bin and Dog House Stand  
Drillers Dog House