

## 2000M DEPTH RATING (REF#2105)



No.	Description
1	<p><u>Derrick:</u> Cassady Engineering Stiff Mast Single, 67' Overall Height 200,000 lb. (88,960 daN) Static Hook Load 1" (25.4mm) Drilling Line – 121,000 daN Working Load Limit</p>
2	<p><u>Substructure:</u> Cassady Engineering One Piece Step-Down 200,000 lb. Rotary Table Capacity KB to Ground 4.09m Floor Height 3.66m Clear Working Height 3.61m 7,000 lb. Winch Line – Pullmaster PL-8 w/ 9/16" cable 7,000 lb. Boom Line – Pullmaster PL-8 w/ 9/16" cable Lantec WL 100 Wireline Survey Unit – 2200m</p>
3	<p><u>Drawworks:</u> HQM 2500 – 400 HP rating Caterpillar 3406C DITA Engine 400 HP 810 ft-lbs @ 2,100rpm Allison 6061 6-speed Automatic Transmission Gardner Denver – 18" x 100 ton Rotary Table Kobelt 5026 Single 40" Air Cooled Auxiliary Disc Brake Daytank Volume 173 Litres</p>
4	<p><u>Pump:</u> Emsco Style F-800 Triplex w/ 9" Stroke Max. 130 Strokes/min. Output 1.63m<sup>3</sup>/min Caterpillar 3412 – 625 HP Engine Daytank Volume 697 Litres</p>
5	<p><u>Top Drive:</u> Fluid Design Solutions Model FDS-100 100 Ton (88,964 daN) Rating 186 RPM Max. Rotating Speed 14,000 ft-lbs Max. Torque</p>

2000M DEPTH RATING (REF#2105) CONTINUED



No.	Description
6	<u>Light Plant:</u> 2 x Caterpillar C11 Engines 385 HP @ 1,800 RPM 2 x Marathon Generators 350 kW, 480 V, 60 Hz, 3 phase Daytank Volume 365 Litres
7	<u>Mud Tanks:</u> 65 m <sup>3</sup> (400 bbl) Capacity DFTS DF275XG Linear Motion Shale Shaker 2 x SEW Eurodrive 7.5 HP Agitators 5 HP Mission 2 x 3 Centrifugal Hole Fill Pump 3 x Mission Magnum 2500 Mix Pumps c/w Mechanical Seal
8	<u>Water Storage:</u> 61 m <sup>3</sup> (372 bbl) Capacity 2 x Mission 2 x 3, 5 HP Water Pumps
9	<u>Fuel Storage:</u> 13,000 Litres 2 x Monarch ACT-6SD, ¾ HP Fuel Pumps
10	<u>Air System:</u> 15 HP, 52 cfm Compressor w/ Remote 80 Gallon Receiver 10 HP, 30 cfm Compressor w/ 80 Gallon Receiver
11	<u>Tubulars:</u> 1,800 m X-95, 15.70 lb/ft, 4" FH Range II Drill Pipe 182,500 daN Tensile Yield Strength 10 x 4-3/4" OD x 2-1/4" ID Slick Drill Collars Bore Back & Stress Relieved w/ Slip Recess and 4-1/2" XH Connections 69.6 kg/m 10 x 6-1/4" OD x 2-1/4" ID Slick Drill Collars w/ Slip Recess and 4-1/2" XH Connections 135.2 kg/m 10 joints 4" Heavy Weight Drill Pipe 4" FH Connections 44.2 kg/m

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No.	Description
12	<p><u>Boiler:</u>                      Liberty LBOF-100, 100 HP                      9,500 Litre Fuel Capacity                      13,475 Litre Water Capacity                      1,000 Litre Blowdown Capacity</p>
13	<p><u>Blowout Prevention Equipment – All Components NACE Trim:</u>                      Townsend 9” – 3000 psi Annular (229mm, 21,000 kPa)                      Townsend 9” – 3000 psi Pipe Rams                      Townsend 9” – 3000 psi Blind Rams                      Choke Manifold                      76.2 mm w/ dual 50.8 mm Choke Wings                      Single 76.2 mm Gut Line                      Accumulator                      Oilco T3, 4 + 1 Station                      88 Gallon                      PLC Controlled                      3 Bottle Nitrogen Backup</p>
14	<p><u>Pipe Handling:</u>                      Hydraulic Pipe Tubs to Contain All Tubulars                      Hydraulic Levelling Laydown/Pickup Catwalk w/ Swing-out Racks                      Can Handle Up to Range III Tubulars                      Operated by Wireless Remote                      Houses Choke Manifold in Heated Compartment</p>
15	<p><u>Instrumentation:</u>                      Pason EDR Drilling Recorder                      Pason Pit Bull PVT                      Pason Autodriller                      M/D Totco Electronic Clipper Weight Indicator                      M/D Totco Electronic Pump &amp; Casing Pressure Indicator                      Taylor Oil Tool Drift-o-Matic Survey Instrument                      0 – 65 Degree Range, 0.1 Degree Resolution</p>