# RIG #103

## Advantage Driller – AC Super Single

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| General Particulars | | | |
|---|---|---|---|
| **Nominal Rating:** | 1,800m | **Max Hook Load:** | 180,000lbs |
| **Nominal Class:** | 650hp | **Pressure Rating:** | 3,000psi |
| **Substructure** | | | |
| **Make:** | Easternwell | **Type:** | Advantage |
| **Rotary Loading:** | 180,000lbs | **Setback Loading:** | Nil |
| **RT Height:** | 4.00m | **Clear Height:** | 3.60m |
| **Mast** | | | |
| **Make:** | Easternwell | **Type:** | Advantage |
| **Height:** | 85′ | **Gross Nom Capacity:** | 240,000lbs |
| **Max Lines:** | 8 | **Max Hook Load:** | 180,000lbs |
| **Drawworks** | | | |
| **Make:** | Alta | **Model:** | ARS–800 |
| **Max Input hp:** | 800hp | **Drilling Line:** | 1″ |
| **Auxiliary Brake:** | Spring Callipered Disc | **Main Brake:** | AC Resistive |
| **Drive:** | 1 x AC Vector Motor; 800hp Continuous | | |
| **Top Drive** | | | |
| **Make:** | Fluid Design | **Model:** | 1510–FTRD–IB |
| **Max Static Load:** | 150Ton | **Max Rotating Load:** | 100Ton |
| **Max Rotation:** | 200rpm | **Max Cont Torque:** | 15,000ft-lbs |
| **Iron Roughneck & Slips** | | | |
| **Make:** | Alco | **Model:** | Smart Roughneck |
| **Tubular Sizes:** | 2⅜″ – 9⅝″ | | |
| **Mud Pump** | | | |
| **Make:** | Bomco | **Model:** | F–800 |
| **Type:** | Triplex | **Max Pressure:** | 4,900psi |
| **Stroke:** | 9″ | **Max Piston:** | 6¾″ |
| **Mud System** | | | |
| **Active Capacity:** | 280bbls | **Cement Mixing:** | 70bbls tank |
| **Shakers:** | 1 x Derrick FL503 | **Cement Pump:** | JWS 340 |
| **Well Control System** | | | |
| **Spherical BOP:** | Shaffer 11″ 3,000psi | **Choke Manifold:** | 2″ 3,000psi |
| **Gate BOP x 2:** | Shaffer LXT 11″ 3,000psi | **Control System:** | CPC 6 station |
| **Power Generation System** | | | |
| 3 x CAT 3412 x CAT SR–4 generators; through variable frequency drive | | | |
| **DrillString** | | | |
| **Size:** | 4″ G–105 NC40 14ft–lbs | **Length:** | 1,000m |

DMS 1011017

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