

## RIG 30 Wirth GH-1250 EG



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## Mast

|                                 |   |
|---------------------------------|---|
| Type:                           | M. I. L. Series 500   |
| System:                         | Vertical Erection   |
| Mast Clear Height:              | 42 m (138 ft)   |
| Hook Load Capacity at 10 lines: | 250 mt (551.000 lbs)  |
| Racking capacity:               | 4.400 m triple stands of 5" DP incl. DC<br>6.000 m triple stands of 3 1/2" DP incl. DC<br>6.500 m triple stands of 2 7/8" DP incl. DC |
| Height underneath rotary Beams: | 5,9 m (19,4 ft)   |

## Substructure

|                                 |                          |
|---------------------------------|--------------------------|
| Make and Type:                  | M. I. L. - Containerized |
| System:                         | Box-on-Box               |
| Setback Capacity:               | 230 mt (485.000 lbs)     |
| Rotary Capacity:                | 250 mt (551.000 lbs)     |
| Height underneath rotary Beams: | 5,9 m (19,4 ft)          |

## Drawworks

|                           |                                |
|---------------------------|--------------------------------|
| Make and Type:            | Wirth GH 1250 EG – Single Drum |
| Max. Line Pull, 2nd Layer | 317 kN (71.000 lbs)            |
| Drilling line:            | 32 mm (1 1/4")                 |
| Rated Input Power:        | 920 kW (1250 HP)               |
| Auxiliary Brake:          | Baylor Elmgco 6032             |

## Rig Power System

|                             |                                   |
|-----------------------------|-----------------------------------|
| Drive:                      | Diesel-electrical                 |
| Type of Engines:            | Three (3 x) MTU 12V 4000 G23      |
| Nominal Rated Power (each): | 1.420 kW (1.900 HP) @ 1.500 1/min |
| Type of Generators:         | Three (3 x) Leroy-Somer LSA53     |
| Apparent Power (each):      | 2.000 kVA                         |
| SCR- & MCC-Unit             | Bentec                            |

## Top Drive

|                                       |                        |
|---------------------------------------|------------------------|
| Make and Type:                        | Bentec TD-500-HT       |
| Load rating:                          | 450 mt (1.000.000 lbs) |
| Output Torque (continuous):           | 63 kNm (46.500 ft-lb)  |
| Tool Torque (intermittent and stall): | 100 kNm (73.760 ft-lb) |
| Max. Speed:                           | 230 rpm                |

## Rotary Table

|                     |                                  |
|---------------------|----------------------------------|
| Make and Type:      | National Oilwell C-275 (27 1/2") |
| Rotary Table Drive: | Hydraulic (75 kW)                |

## Hook-Block

|                |                                  |
|----------------|----------------------------------|
| Make and Type: | National Oilwell C-275 (27 1/2") |
| Load Capacity: | 318 mt (701.000 lbs)             |

## Mud Pumps

|                  |                                  |
|------------------|----------------------------------|
| Make and Type:   | Oilwell A 1700 PT (Trilex Pumps) |
| Number of:       | Two (2 x)                        |
| Electric Motors: | 1.250 kW DC (1.700 HP)           |
| Max. pressure:   | 345 bar (5.000 psi)              |

## Mud Tank System

|                               |  |
|-------------------------------|--|
| Active Tank System Capacity:  | 180 m <sup>3</sup> (incl. Mix compartments)          |
| Type:                         | Rectangular tanks                                    |
| Accessories:                  | LP Mixing System,<br>Mud Agitatore, Double Trip Tank |
| Reserve Tank System Capacity: | 150 m <sup>3</sup> (4x 37,5 m <sup>3</sup> )         |
| Type:                         | Mud silos  |

## Solids Control Equipment

|                        |                                     |
|------------------------|-------------------------------------|
| Shale shaker type:     | Three (3 x) Mi Swaco Mongoose PT    |
| Desander:              | 2 x 10" cones                       |
| Desilter:              | 16 x 4" cones                       |
| Drilling Mud Degasser: | Derrick Vacuum Degasser VACU-FLO 12 |
| Mud Gas Separator:     | Freestanding Mud Gas Separator      |

## Iron Roughneck

|                   |                             |
|-------------------|-----------------------------|
| Make and Type:    | Maritime Hydraulics MH 1898 |
| Make-up Torque:   | 135 kNm (100.000 ft-lb)     |
| Break-out Torque: | 169 kNm (124.000 ft-lb)     |

## Blowout Equipment

|                               |  |
|-------------------------------|--|
| Annular BOP:                  | 13 5/8" - 5.000 psi  |
| Ram BOP:                      | 13 5/8" - 10.000 psi Double<br>13 5/8" - 10.000 psi Single |
| BOP closing unit:             | Cameron C 162-1-20 E                                       |
| Volume:                       | 240 gal (910 ltr)  |
| Choke- & Kill Manifold:       | 10,000 psi WP with Controls                                |
| Drilling Spools and Adapters: | According to Requirement                                   |

## Additional Equipment

Soundproofed Equipment  
Power Slips  
Feed off Control System  
Drilling Instrumentation  
Color Camera System  
Forklift  
Anti Collision System (ACS)  
Soft Torque Bentec VFD