

Dynamic Vision (Hull B334)

Key Design Parameters

- **Safety and Efficiency**

- Draw works equipped with anti-collision mechanism, regenerative motor controlled braking with additional disc brakes for greater safety
- Efficient Jacking system with enhanced features like central monitoring system, ability to jack-up with full preload in case of probable punch-through
- Well-designed and properly designated gas detection systems
- Offline Stand Building and Offline Cementing capability
- Standpipe 7500 psi rated, Cement manifold 15000 psi rated and Choke & kill manifold 15000 psi rated with separate Well Testing lines from Rig Floor
- Choke & Kill manifold equipped with glycol injection ports, one line to Burner, temperature gauges on upstream and downstream of chokes, two hydraulic chokes and one manual choke, 15,000 psi rated, H2S trimmed.
- Ergonomically designed living quarters without protrusions for 120 persons with well networked Drilling SCADA compatible offices and reserved and wired system for VSAT connectivity and exclusive Staff Training Center
- Well designed Safety Signage system
- Rig Instrumentation system will have redundancy to be able to show basic drilling parameters for well safety as a back-up to VDAQ system

- **Greater power and Maneuverability**

- Higher strength & larger cantilever envelope (70 feet longitudinal X 15 feet transverse movement), field tow capability with 300 kips set back load)
- 9275 HP combined engine power with 680 KW emergency generator (All new engines with latest emission standards)
- Large deck space for ease of operations and safety with 3 deck cranes with reach to all work areas and enough space for third party equipment
- Leg jetting systems all rated for 1500 psi

- **Environment and Occupational Health Friendly**

- Rig Illumination standards as per API 14F guidelines
- Rig equipped with necessary Solids Control and Solids disposal systems as per guidelines
- New generation Engines with almost zero emission standards
- Rig will be Safety Case Compliant at the start of Operations