

Year Built: 2008

Rated Drilling Depth

5 in. Drill Pipe: 21,000 ft (6,400 m)
 4-1/2 in. Drill Pipe: 24,700 ft (7,529 m)

Mast

Make, Type: Loadmaster
 Height: 152 ft (46 m)
 Max. Hookload: 1,000,000 lbs
 Racking Capacity: 5-1/2 in. drill pipe, 90 ft stand – 21,000 ft (6,400 m)

Drawworks

Make: Varco ADS-10D AC
 Rated Input: 2,800 hp (2,089 kW)
 Input Power: Two (2) 1,400 hp GEB-22 AC motors
 Drilling Line: 1-1/2 in. (38 mm)

Traveling Equipment

Traveling Block: Dreco 660TB-500
 Max. Load: 1,000,000 lbs

Substructure

Make, Type: Loadmaster
 Clear Working Height: 28 ft (8.5 m)
 Setback Load: 600,000 lbs

Rotary Equipment

Top Drive: TDS-11SA, 800 hp
 Max. Load: 1,000,000 lbs
 Input Power: Two (2) AC drilling motors, each rated 400 hp (597 kW)
 Rotary Table: NOV D-375
 37-1/2 in. (952 mm)
 Input Power: 1,150 hp (858 kW)
 Static Load Rating: 1,300,000 lbs

BOP System

Annular Preventer: Hydril 21-1/4 in. 2M Diverter, 13 5/8 in. 5M annular
 Ram Preventers: Cameron 13 5/8 in. 10M double ram
 13 5/8 in. 10M single ram

Walking System

Make: Entro Industries
 Type: Pin-On Walker
 Capacity: 2.4 million pounds (4 jacks at 300 T each)
 Movement: 300° in 5° increments



Gensets

Engines: Five (5) Caterpillar 3512-C 1,476 hp (1,100 kW) @1,200 rpm each
 Generators: Five (5) Kato 6P6-3300 generators; 1,365 kW (1,950 kVA) each

Power Distribution

Gen. Control: Woodward GPC-32/Woodward 2301D/Basler DECS 200
 VFD: Nine (9) ABB Drives, Inverters
 Two (2) 3200 NOV Converters
 MCC: (8) 600 VAC (14) 480 VAC

Mud Pumps

Pumps: Three (3) NOV 12-P-160 pumps; each rated 1,600 hp (1,193 kW)
 Input Power: Each pump driven by two (2) GEB 22A3 1,150 hp (858 kW) motors

Mud Handling/Solids Control

Active Mud System: 2,000 bbls (318 m³)
 Shale Shakers: Three (3) Derrick FLC-503, 3-panel High-"G" shakers; 560 gpm each
 One (1) Derrick High-"G" Dryer
 Degasser: 1,200 gpm

Note: Equipment subject to client-specific requirements. No part of this document may be reproduced or transmitted without prior consent of Parker Drilling. 03/17



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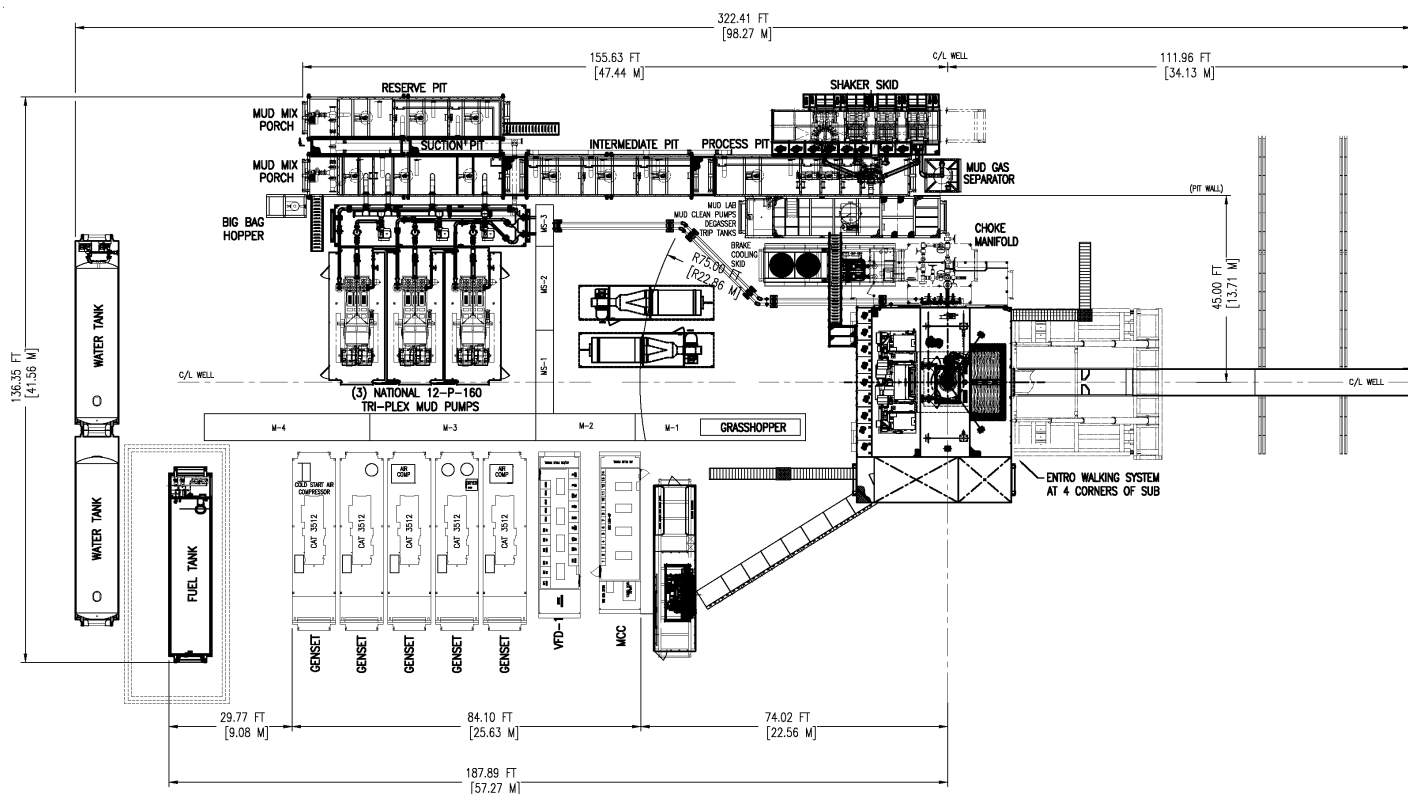
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Design Features (All main components conform to API specifications)

- A fully automated drilling system featuring fuel-efficient AC technology and variable frequency drive, substantially automating the drilling process and enhancing power delivery.
- A hydraulic cylinder system used to raise both the mast and the substructure to the vertical, without the use of the generators and drawworks, decreasing rig-up cost, time, and emissions.
- Drill floor and mast can be fully rigged up at ground level. The rig floor consists of six loads – drawworks section, rotary section, setback section, cable tray section, a driller’s cabin, and a driller’s side doghouse. Disassembly and assembly of the rig is accomplished with minimal crane usage, manpower, and loads.
- A "plug and play" adaptability, allowing the operator to quickly and easily customize the rig's individual equipment to the specifics of the drilling program.
- Substructure simultaneous casing load of 1,000,000 lbs. and setback 600,000 lbs.
- Substructure 32 ft. high drill floor that allows 28 ft. working height from the ground to the bottom of the rotary beams.
- A new mud system design, allowing easy cleaning, efficient mud processing in variable conditions, and flexible equipment additions for specific well programs.
- Pin-on walking system with a capacity of 2.4 million lbs., allowing the drilling module to move to the next well without rigging down.



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