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### General Information

<b>Rig Name</b>	Platinum Explorer
<b>Rig Type</b>	Ultra Deepwater Drillship
<b>Rig Design</b>	DSME 10,000
<b>Year Built</b>	2010
<b>Year Upgraded</b>	N/A
<b>Builder</b>	DSME
<b>Class</b>	DNV $\times$ 1A Ship- Shaped Drilling unit BIS DPS(3)
<b>Flag</b>	Bahamas

### General Specifications

<b>Hull Length</b>	781'
<b>Hull Breadth</b>	138'
<b>Hull Depth</b>	62'
<b>Moon Pool</b>	82' x 41'
<b>Accommodation</b>	180 POB
<b>Helideck</b>	CAP437, 90ft Octagon, Sikorsky S-61N, S-92 Compatible

### Operational Capabilities

<b>Water Depth (Design)</b>	10,000'
<b>Water Depth (Outfitted)</b>	10,000'
<b>Water Depth Min</b>	1,500'
<b>Load Line Draft</b>	42.6'
<b>Load Line Displacement</b>	111,762 MT
<b>Operating Draft</b>	39.3'
<b>Operating Displacement</b>	102,826 MT
<b>Transit Draft</b>	27.8'
<b>Transit Displacement</b>	71,832 MT
<b>Drilling Depth</b>	40,000'
<b>Variable Load</b>	25,000 MT
<b>Max Setback</b>	1,000 MT
<b>Transit Speed</b>	500 MT (In field Transit) up to 10 kts

### Storage Capacities

<b>Diesel</b>	55,404 bbls
<b>Drill Water</b>	14,911 bbls
<b>Potable Water</b>	8,630 bbls
<b>Bulk Barrite/Bentonite</b>	15,821 ft <sup>3</sup>
<b>Bulk Cement</b>	15,821 ft <sup>3</sup>
<b>Base Oil</b>	5,118 bbls
<b>Brine</b>	5,118 bbls
<b>Active Mud</b>	8,942 bbls
<b>Reserve Mud</b>	10,564 bbls
<b>Slugs</b>	758 bbls
<b>Mud Treatment Tanks</b>	506 bbls
<b>Trip Tank</b>	137 bbls
<b>Sack Store</b>	10,000 sacks

### Mud System

<b>Working Pressure</b>	7,500 psi
<b>Mud Pumps</b>	4 x AKMH Wirth model TPK-7½ x 14 / 2200 CL, Gear driven, 2,200 hp 7,500 psi c/w 2 x GE AC motors
<b>Shakers</b>	6 x DP 626 , 7G, BEM dual deck shakers (2 configured as Mud cleaners with 4 x 20" cones each)
<b>Mud Manifold</b>	1 x Techdrill, API 6A PSL dual 5" NB 7,500 psi WP

### Cement System

<b>Working Pressure</b>	15,000 psi
<b>Cement Manifold</b>	1 x Techdrill, API 6A PSL single 3" NB 15,000 psi WP
<b>Cement Unit</b>	Free Placement Schlumberger Dowell, CPS-763 AC offshore cementing skid, 15,000 psi WP

### Drilling Package

<b>Derrick</b>	Aker Kvaerner Maritime Hydraulics (AKMH) Single Pyramid Dynamic Derrick, 46 ft x 52 ft base x 210 ft clear working height, API-4F 3rd Edition
<b>Hookload Capacity</b>	2 million lbs static
<b>Racking Capacity</b>	6½" Drill pipe–368 stands x 135 ft (49,680ft)

	9½" Drill collars– 8 stands x 135 ft (992 ft) 13⅝" casing - 35 stands x 135 ft (4,725 ft) or, 9⅝" casing - 54 stands x 135 ft (7,290 ft) or, 7" liner – 91 stands x 135 ft (12,285 ft)
<b>Drawworks</b>	1 x AKMH Wirth GH 4500-EG-AC electric motor driven 4,500 hp,
<b>Rotary Table</b>	1 x AKMH Wirth RTSS 60½", hydraulically driven, 20 rpm, 1,000ton capacity
<b>Iron Roughneck</b>	1 x AKMH 1899 MKII Iron Roughneck for Well Center Operations, 2 ⅜" to 9 ¾"
<b>Topdrive</b>	1 x AKMH model DDM-1000-AC-2M, 1,000 tons hoisting capacity, AC motor driven, 87,020 ft lbs max continuous torque, 94,395 ft lbs intermittent, 0 -240 max rpm, 2 x 1150 hp AC motors

### Tubular Handling Capabilities

<b>Pipe Feeding Machine</b>	1 x AKMH Tubular Feeding Machine, SWL 15 MT, 2-7/8" to 30", suitable for handling 45 ft tubular
<b>Pipe Rackers</b>	2 x AMH Bridge Racking cranes, Lower Guiding Arms, each 15 MT, 3 ½" to 13 ⅝"
<b>Riser Feeding Machine</b>	1 X AKMH Riser Feeding Machine, SWL 40 MT, 2-7/8" to 54", suitable for handling 83 ft tubular
<b>Manipulator Arm</b>	1 x AKMH Drill Floor Manipulator arm, 3 ½" to 60"
<b>Pipe Deck Handling Crane</b>	1 x AKMH PDPH, SWL 4.5 MT to 9 MT, 2 7/8" to 20"

### Offline Capabilities

<b>Offline Stand Building</b>	1 x AKMH Stand building arm for offline tubular handling lifting capacity of 6.4 MT, 15 ft to 45 ft tubular, 2 7/8" to 13 ⅝"
<b>Offline Roughneck</b>	1 x AKMH 'Torque Master' for tubular range 2 7/8" to 20" for offline operations.
<b>Offline Mouseholes</b>	2 x AKMH Hydraulic Mousehole for up to 13 ⅝"
<b>Offline Bucking Unit</b>	1 x McCoy Clincher Bucking Machine RP3014, Headstock – 3 ½" to 13 ½", Tailstock – 3 ½" to 17 ½", Make-up torque 160k ft-lbs; Break-out Torque 190k ft-lbs

### Handling Systems

<b>Deck Cranes</b>	- 3 x Liebherr model BOS 4200-85, 85 mt max load at 9 m radius & 32.7 mt at 46 m radius (static), Auxiliary hook 15 mt max load at 51 m radius - 1 x Liebherr model BOS 4200-50, 50 mt max load at 9 m radius & 34.2 mt at 46 m radius (static), Auxiliary hook 15 mt max load at 51 m radius
<b>Riser Gantry Crane</b>	1 x AKMH Riser Gantry Crane, SWL 40 MT
<b>BOP Handling</b>	1 x AKMH BOP Trolley, SWL 460 MT 2 x AKMH LMRP Overhead Gantry Crane, each SWL 75 MT
<b>Xmas Tree Handling</b>	1 x AKMH Xmas Tree Trolley, SWL 150 MT 2 x AKMH Xmas Tree Overhead Gantry Crane, each SWL 75 MT

### Well Control Equipment

<b>Blowout Preventer</b>	1 x Cameron BOP, 18¾" 15,000 psi, 5 x ram cavities (2 x Type TL doubles, 1 x TL Singles), 1 x Type DL, 18 ¾", 10,000 psi annular preventer
<b>LMRP</b>	1 x Cameron Type DL, 18 ¾", 10,000 psi annular preventer
<b>Diverter</b>	1 x Hydril 60½" 500 psi with 16" diverter lines, 16" flow line, 16" Mud Gas separator line, 6" trip tank line, 4" fill up line. 21" nominal bore.
<b>BOP Control System</b>	Cameron Multiplex (MUX) BOP Control System for up to 10,000 ft water depth capability
<b>C &amp; K Manifold</b>	1 x WOM, API 16C 3 1/16" 15k HP side / 4 1/16" 10k LP side, 2 manual chokes, 2 remote chokes, double 15K isolation valves, Glycol Injection unit, Split Buffer system, Bypass Line, Port/Stbd emergency overboard line

### Riser Equipment

<b>Riser</b>	21" Aker Kvaerner CLIP riser w/ 15k psi, 4.5" ID Choke and Kill lines, 5k psi, 4" ID booster line, 2 x 5K psi 3.5" ID hydraulic lines
<b>Riser Tensioning</b>	8 x AKMH Dual wire line tensioner, 3,200,000lbs combined capacity with a maximum net effective stroke of 12.5 ft.
<b>Motion Compensators</b>	- 1 x AKMH Crown Mounted Compensator, rated at 908mT / 2000 kips (static) and 454mT / 1000kips (Compensation) with a 25 ft stroke - 1 x AKMH Active Heave Compensator, rated at 25.6mT with a 25 ft stroke, AHC WD (while drilling) upgradeable

### Power Generation

<b>Main Engines</b>	6 x STX MAN 14V32/40 diesel engines, 7,000 kW @ 720 rpm c/w HHI HSJ7 1205-10P Electric Generator
<b>Emergency Engines</b>	1 x STX MAN B&W diesel engine, 2,100kW at 720 rpm c/w HHI Electric Generator

### Station Keeping & Propulsion System

<b>DP Control System</b>	DPS33, GE Converteam, Triplex DP + IJS. 3 x independent GNSS + 2 x independent acoustic systems
<b>Thrusters</b>	6 x 4.6 MW Rolls Royce Ulstein Aquamaster UUC 405 Azimuth (81.8 mt thrust nominal), variable speed, fixed pitch, fully azimuthing

### Life Saving Systems

<b>Lifeboats</b>	6 x Norsafe, 60 man TEMPSC, davit launched lifeboats (200 % of POB)
<b>Fast Rescue Craft</b>	1 x Vanguard, FRC, 6 man
<b>Life Rafts</b>	18 x 25 man Viking 25DK+ inflatable life rafts (250% of POB)

### Drill Pipes & Fishing Equipment

<b>Drill Pipes</b>	Various, details available on request
<b>Fishing Equipment</b>	Various, suitable to fish for Contractor's drill pipes