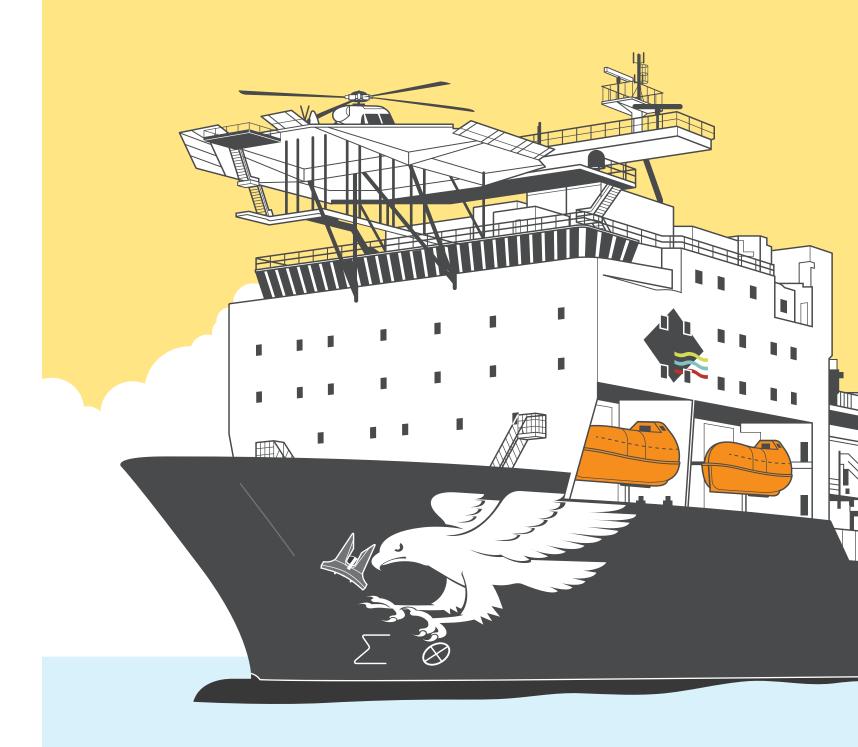
THE
SPRING
2013
FLEET
ADDITIONS
UPDATE

# SETTING SAIL

OVER THE NEXT TWO YEARS DIAMOND OFFSHORE WILL LAUNCH FOUR ULTRA-DEEPWATER DRILLSHIPS AND TWO DEEPWATER SEMISUBMERSIBLE RIGS. THREE OF THE RIGS ALREADY HAVE CONTRACTS AND WILL HEAD DIRECTLY TO WORK.





RIGAMAROLE No.32 45

# **ULTRA-DEEPWATER DRILLSHIPS**

OCEAN BLACKHAWK CONTRACT ANADARKO OCEAN BLACKHORNET CONTRACT ANADARKO **OCEAN BLACKRHINO OCEAN BLACKLION** 









Gusto P10,000 Design:

Classification:

Dimensions: 754 ft long x 118 ft wide x 59 ft deep Draft: 36 ft operating / 29 ft transit Displacement: 70,455mT operating Variable Deck: 22,045T operating Transit Speed: up to 12.5 knots

12,000 ft designed / 10,000 ft outfitted Water Depths:

Drilling Depth: 40,000 ft

Drawworks:

Top Drive:

POWER

Derrick: NOV Dual Bottleneck, 210 ft high with 80 ft x 60 ft

base, static hook load capacity of 4,000 kips (Main): NOV / AHD 1250-9000, six AC electric

motors, 9,000hp each, 1,250T with sixteen 2 1/8"

drilling lines

(Aux): NOV / AHD 750-5750, five AC electric motors, 5,750hp each, 750T with fourteen 1 3/4"

drilling lines

Active Heave Compensating Drawworks Compensator: Rotary Table: (Main): NOV RST 75 1/2" hydraulic, 1,250T

(Aux): NOV RST 60" hydraulic, 1,000T (Main): NOV TDX-1250, 1,250T with 7,500 psi (Aux): NOV TDS-8SA, 750T with 7,500 psi

Tubular handling: 2 x NOV MPT 'Hydraulic Roughneck' for tubular

range 3 1/2" to 9 3/4" + 2 x NOV PRS-5

Mud Pumps: 5 x NOV 14-P-220, 2,200hp, 7,500 psi

6 x HHI Himsen V- type diesel engines rated Main Power:

4,500hp, each driving 5,375 kVA AC generators 2 x HHI Himsen V-type diesel engines rated 9,000hp, each driving 10,875 kVA AC generators

Emergency Power: V-type diesel engine rated 1,500hp driving

1,875 kVA AC generator

Liquid Mud: 23.500 bbls Base Oil: 9,225 bbls Brine: 10,000 bbls Drill Water: 22 500 bbls Potable Water: 11,750 bbls

Bulk Material: 7,500 bbls (mud + cement)

Sack Storage: 6.000 sacks

Knuckle-boom: CRANES AHC Subsea:

110 ton + 2 x 90 ton knuckle-boom 180 ton Active Heave Compensation

knuckle-boom

Diverter: Vetco CSO 21" 500 psi diverter with 16" flow line

BOP Stacks (2): Hydril 18 3/4" 15,000 psi seven-ram preventer

2 x Hydril 18 3/4" 10,000 psi annular preventers

C&K Manifold: 3 1/16", 15,000 psi

Marine Riser: Vetco HMF Class H 21", 75 ft long per joint Tensioners:

16 x 225 kips NOV wireline riser tensioners. Total

capacity 3,600 kips with 50 ft of wire travel

Moonpool: 73 ft x 41 ft

6 x (three forward, three aft) Thrustmaster variable Thrusters:

speed, fixed pitch, fully azimuthing

DP System: Kongsberg DPS-3

Dual Activity: Accommodation: 210 people

Helideck: Sikorsky S-61 & S-92

1Q 2013 2Q 2013 **3Q 2013** 

**MILESTONES TO COMPLETION** 

SHIPYARD DELIVERY DATES

**OCEAN BLACKHAWK** 

CONTRACT ANADARKO

**OCEAN ONYX** CONTRACT APACHE

# **SEMISUBMERSIBLES**

## **OCEAN APEX**

Design: Enhanced Victory Class/Crucifix Form
Classification: ABS Column Stabilized Drilling Unit
Dimensions: 328 ft long x 320 ft wide x 128 ft high
Draft: 74 ft operating / 46 ft transit
Displacement: 44,276mT operating

Variable Deck: 7,000mT operating
Transit Speed: up to 4.5 knots

Water Depths:  $6,000\,\mathrm{ft}\,\mathrm{designed}\,/\,5,000\,\mathrm{ft}\,\mathrm{outfitted}$ 

Drilling Depth: 30,000 ft

Derrick: NOV, 180 ft high with 40 ft x 40 ft base,

load capacity of 2,000 kips

Drawworks: NOV UDBEL 2040, four DC electric motors,

1,000hp each, with 2" drilling line

Compensator: NOV drill string motion compensator,

800 kips capacity with 25 ft stroke

Rotary Table: NOV RST, 49 1/2"

Top Drive: NOV TDX-1000, 1,000T with pipe handler Tubular handling: NOV ST-120 Iron Roughneck for tubular range

3 1/2" to 9 3/4" + NOV BR-10-SD-D bridge racker

Mud Pumps: 4 x NOV 14-P 220, 2,200hp, 7,500 psi

Main Power: 5 x Caterpillar C175 Tier II diesel engines rated

2,400hp each with 4,160 kVA AC generators

Emergency Power: Caterpillar C32 engine rated 720 kW

Liquid Mud: 8,000 bbls
Base Oil: 3,400 bbls
Brine: 2,500 bbls
Drill Water: 15,000 bbls
Potable Water: 3,200 bbls

Bulk Material: 25,000 cu ft (mud + cement)

Sack Storage: 5,000 sacks

1 x 56 ton SeaTrax 6032 with 150 ft boom 1 x 50 ton SeaTrax 6024 with 130 ft boom

1 x 80 ton SeaTrax 9040 with 160 ft boom

 $1\,x\,35mT\,NOV\,knuckle$ -boom crane for riser and tubular handling

Diverter: Vetco 24" 500 psi with 16" flow line

BOP Stack: Shaffer 18 3/4" 15,000 psi five-ram preventer

Shaffer dual 18 3/4" 10,000 psi annular preventers

C&K Manifold: 3 1/16", 15,000 psi

Marine Riser: Shaffer FT-E, 75 ft long per joint

Tensioners: 8 x 200 kips Dual Rucker wireline riser tensioners.

Total capacity 1,600 kips with 50 ft of wire travel

Moonpool: 41 ft x 81 ft

Mooring System: (8) 3 1/4" x 4,200 ft RQ5 chains, (8) 3 3/4" x 8.000 ft wires.

(8) 16T Stevpris MK6 anchors

Accommodation: 140 people Helideck: Sikorsky S-92

### **OCEAN ONYX** CONTRACT APACHE

Design: Enhanced Victory Class/Crucifix Form
Classification: ABS Column Stabilized Drilling Unit
Dimensions: 327 ft long x 315 ft wide x 128 ft high

Draft: 74 ft operating /41 ft transit

Displacement: 39,200T operating
Variable Deck: 5,600T operating
Transit Speed: up to 4 knots
Water Depth: 6,000 ft
Drilling Depth: 30,000 ft

Derrick: NOV Dreco, 180 ft high with 40 ft x 40 ft base,

static hook load capacity of 1,600 kips

Drawworks: Continental Emsco C-3-II, three DC electric motors, 1,000hp each, with 1 3/4" drilling line

Compensator: NOV drill string motion compensator, 600 kips

capacity with 25 ft stroke

Rotary Table: NOV RST, 49 1/2"

Top Drive: NOV TDS-4S, 750 ton + PH-85 pipe handler Tubular handling: NOV Iron Roughneck for tubular range

3 1/2" to 9 3/4"

Mud Pumps: 4 x NOV 12-P 160, 1,600hp, 7,500 psi

Main Power: 5 x Caterpillar 3516C Tier II diesel engines rated

2,150hp each driving 600 V AC generators

Emergency Power: Caterpillar c32 engine rated 720 kW driving Kato

900 kVA generator

Liquid Mud: 6,900 bbls
Base Oil: 3,200 bbls
Brine: 3,210 bbls
Drill Water: 10,700 bbls

Drill Water: 10,/00 bbls Potable Water: 2,000 bbls

Bulk Material: 13,800 cu ft (mud + cement)

Sack Storage: 4,000 sacks

2 x 60 ton SeaTrax 6032 with 140 ft boom 1 x 75 ton SeaTrax 9028 with 160 ft boom

1 x 35mT NOV 3426 knuckle boom crane

Diverter: Vetco 49 1/2" 500 psi diverter with 12" flow line BOP Stack: Shaffer 18 3/4" 15,000 psi five-ram preventer

Shaffer dual 18 3/4" 10,000 psi annular preventers

C&K Manifold: 3 1/16", 15,000 psi

Marine Riser: Shaffer FT-E, 75 ft long per joint

Tensioners: 8 x 200 kips Dual Rucker wireline riser tensioners

Total capacity 1,600 kips with 50 ft of wire travel

Moonpool: 41 ft x 81 ft

Mooring System: (8) 3 1/4" x 4,200 ft RQ4 chains, (8) 3 1/2" x 8.800 ft wires.

(8) 15 MT Bruce MK-6 anchors

Accommodation: 140 people Helideck: Sikorsky S-92

4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014

OCEAN BLACKHORNET

CONTRACT
ANADARKO

OCEAN BLACKRHINO
OCEAN APEX

**OCEAN BLACKLION** 

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RIGAMAROLE No.32