

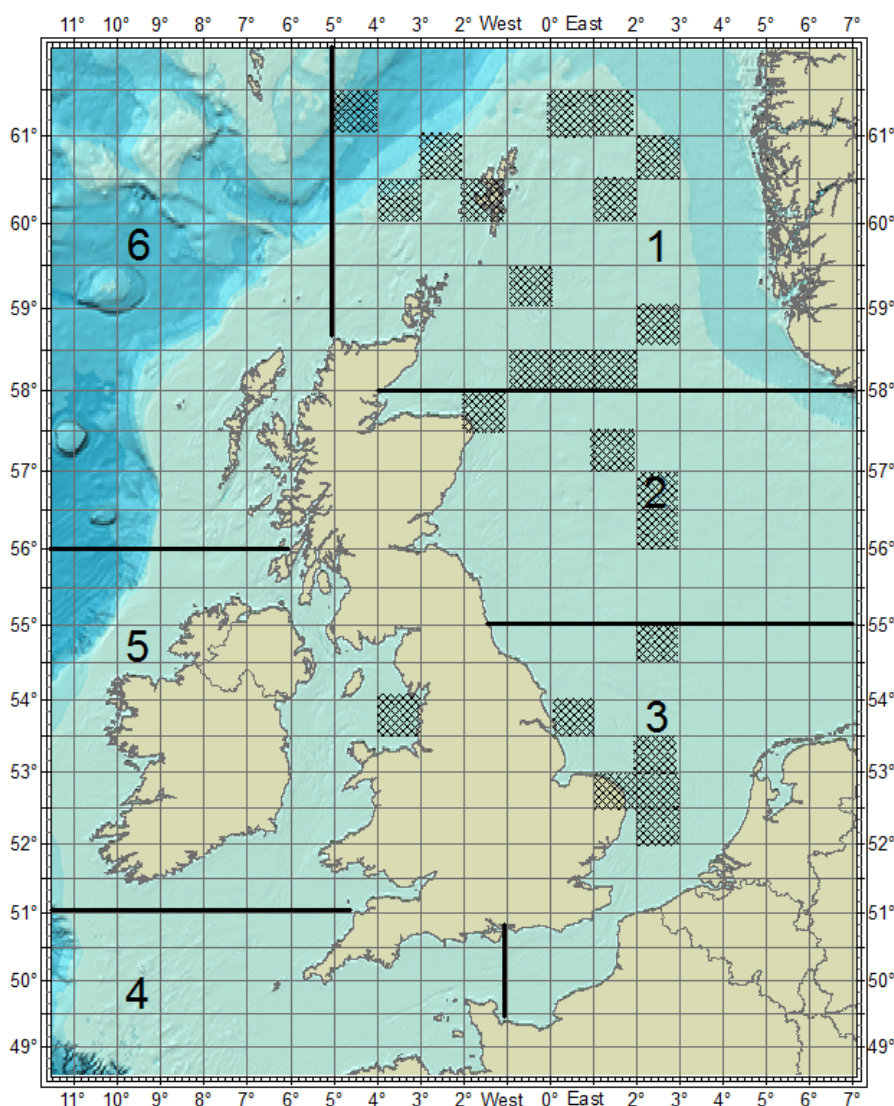
Kingfisher Bulletin

Offshore News

Oil & Gas

15 December 2016 | Issue 26

Shaded blocks indicate activity.



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Support

The Kingfisher Bulletin is provided by the Kingfisher Information Service of Seafish, to promote the awareness of offshore hazards to fishing, new structures and zones and conflicting offshore operations. Support for the production of oil & gas industry information is received from FLTC Services Ltd.



Information











Information contained within the Kingfisher Bulletin comes from a variety of sources, although is in the majority, supplied directly to Kingfisher from the offshore operating industry, or government licensing authorities.




Coordinates within the Kingfisher Bulletin are converted into World Geodetic System 1984 (WGS84) and displayed as degrees, minutes and decimal minutes, to three decimal places (ddd°mm.mmm'). Route or boundary coordinates may be simplified for ease of use.





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New Hazards

Area 1		Hazard List			
Hazard Type	Position	Issue Date	Contact Details	Map	
Concrete Mattress 13Te (6m x 3m x 300mm)	61°23.699'N 001°44.424'E	03 Nov 2016	nick.strachan@uk.bp.com		
Concrete Mattress 13Te (6m x 3m x 300mm)	61°22.779'N 001°43.834'E	03 Nov 2016	nick.strachan@uk.bp.com		
Grout Bags 80 bags, each measuring 25kg (400mm x 250mm x150mm)(LxBxH)	61°23.836'N 001°44.434'E	03 Nov 2016	nick.strachan@uk.bp.com		
Grout Bags 80 bags, each measuring 25kg (400mm x 250mm x150mm)(LxBxH)	61°23.831'N 001°44.437'E	03 Nov 2016	nick.strachan@uk.bp.com		
Grout Bags 80 bags, each measuring 25kg (400mm x 250mm x150mm)(LxBxH)	61°22.764'N 001°43.836'E	03 Nov 2016	nick.strachan@uk.bp.com		
Large Anchor	59°03.027'N 000°18.516'W	03 Nov 2016	bbennett@oilandgasuk.co.uk		
New Suspended Wellhead – 205/21a-7Z	60°11.959'N 003°51.841'W	03 Nov 2016	kirsty.m@petrofac.com		
Mooring Chain	61°28.514'N 004°30.905'W	22 Sept 2016	npoim@enquest.com		
Enquest Water Injection Flowline - Crater	61°28.383'N 001°30.767'E	28 July 2016	Linda.Bremner@enquest.com		
Exposed cut end of pipe	61°04.102'N 001°24.107'E	14 July 2016	kingfisher@seafish.co.uk		

Area 2		Hazard List			
Hazard Type	Position	Issue Date	Contact Details	Map	
Kessog 30/01c-09-SSXT 2.75m protruding	56°50.662'N 002°10.008'E	22 Sept 2016	nick.strachan@uk.bp.com		
Cement Block	57°49.735'N 001°02.347'W	25 Aug 2016	Brian.Beattie@nexencnooltd.com		
New Suspended Wellhead – 21/19-13	57°22.931'N 000°43.018'E	28 July 2016	Marcelle.wynter@oga.gsi.gov.uk		

Area 3		Hazard List			
Hazard Type	Position	Issue Date	Contact Details	Map	
Hand rails, ladder 3m x 3m	53°39.656'N 000°54.364'E	01 Dec 2016	susan.mackenzie@centrica.com		
6 tonne elastomer buoy	53°23.917'N 002°14.033'E	06 Oct 2016	David King r92oim@enscoplc.com		
Lost Wire	53°24.177'N 002°13.896'E	06 Oct 2016	David King r92oim@enscoplc.com		
Dropped objects in East Anglia Wind Farm	52°16.665'N 002°31.323'E	14 July 2016	v.griffiths@fugro.com		

Area 5		Hazard List			
Hazard Type	Position	Issue Date	Contact Details	Map	
Lost Dredge Suction Pipe	53°26.943'N 003°24.691'W	15 Nov 2016	graham.singleton@cemex.com		

The Hazard List is a collection of potential fishing hazards supplied to Kingfisher from across all offshore industries. Potential hazards will be listed for 6 months.

Notice to Fishermen

First Published: 15 December 2016 | Latest Update: 15 December 2016

Johan Sverdrup Field – Temporary Obstruction



Statoil has temporary left a wellhead at Johan Sverdrup field, 8 nautical miles NEE of the Edvard Greig Platform.

The wellhead/obstruction has a stick up height of 3m above the seabed.

Position
58°51.966'N 002°29.994'E



For further information: Henneth Hjertnes, Statoil ASA, Tel: +47 93011338 email: kehje@statoil.com

Notice to Fishermen

First Published: 03 November 2016 | Latest Update: 03 November 2016

Suspended Wellhead – Structure On the Seabed



Please be advised that the suspended wellhead below, should be added to your Kingfisher Yellow Card Edition July 2016.

Structure	Operator	Position
205/21a-7Z	Petrofac	60°11.959'N 003°51.841'W



For further information: Kirsty McWilliam, Petrofac, kirsty.m@petrofac.com

Notice to Fishermen

First Published: 03 November 2016 | Latest Update: 03 November 2016

Abandoned Wellhead – Structure Removed from Seabed

Please be advised that the abandoned wellhead below, should be removed from your Kingfisher Yellow Card July 2016.

Structure	Operator	Position
16/28-11	BP Exploration	58°07.609'N 001°27.953'E



For further information: Marcelle Wynter, DECC, Tel: 0300 0671616 Marcelle.wynter@oga.gsi.gov.uk

Notice to Fishermen

First Published: 03 November 2016 | Latest Update: 03 November 2016

Fishing Hazard – Protective Structures



In support of Murchison decommissioning activities specifically the Murchison PL165 Gas Pipeline and Umbilical Suspension a series of protective structures have been put in place, namely 2 tapered concrete mattresses and a series of grout bag piles.

The following dimensions: 13Te (6m x 3m x 300mm)(LxBxH)

Hazard	Position
Concrete Mattress	61°23.699'N 001°44.424'E
Concrete Mattress	61°22.779'N 001°43.834'E

The following dimensions: Piles are approx. 80 bags, each measuring 25kg (400mm x 250mm x 150mm) (LxBxH)

Hazard	Position
Grout Bags	61°23.836'N 001°44.434'E
Grout Bags	61°23.831'N 001°44.437'E
Grout Bags	61°22.764'N 001°43.836'E



For further information: Nick Strachan, BP Exploration, Tel: +44 (0)1224 955089 email: nick.strachan@uk.bp.com

Notice to Fishermen

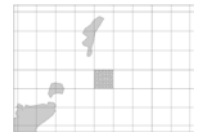
First Published: 03 November 2016 | Latest Update: 03 November 2016

Fishing Hazard – Large Anchor



A fishing vessel has come fast at the position below, sustaining damage to gear and winch due to the excessive weight. Presumed to be a large anchor. Hazard to fishing, 13nm N of MCP01 platform

Position
59°03.027'N 000°18.516'W



For further information: Bernie Bennett, Oil & Gas UK Tel: 01590 643986 email: bbennett@oilandgasuk.co.uk

Notice to Fishermen

First Published: 22 September 2016 | Latest Update: 22 September 2016

Fishing Hazard – Mooring Chain



Please note that at anchor number 5 on Northern producer it was noticed during ROV operations that there was a pile of chain which does not match the chain utilised for mooring. The chain is believed to be the chain utilised for a hang off buoy.

Position: 61°28.514'N 004°30.905'W

Anchor handling operations are planned in H2 of 2016 and will further assess/potentially remove the chain. Possible danger to trawlers, the chain is located 1731m from the installation anchor 5 fairlead on a bearing of 138°



For further information: Martyn Woods, Enquest Heather Ltd, Tel: 01224 564200 email: npoim@enquest.com

Seabed Activity

First Published: 15 December 2016 | Latest Update: 15 December 2016

Western Isles – Project Development

Dana are planning to undertake the installation of the north and south pipeline bundles as part of the Western Isles Project Development.

The two 2.5km long bundles will be installed on the seabed between each drill centre (North Drill Centre & South Drill Centre) and the future Western Isles FPSO location. The earliest start date for operations to commence is 11th January where the bundles will be towed from Sinclair's Bay north of Wick to the Western Isles Field. The entire operation is expected to take approximately 31 days to complete. The installation of the two bundles will be undertaken by a tow fleet consisting of the Subsea Viking, Siem Opal, Siem Garnet, BB Worker and the GV Golden Sceptre. Also in the field during this period will be the Olympic Taurus construction vessel.

Subsea 7 are contracted by Dana Petroleum to install 2 x bundles (1 x 2.496 km South Bundle & 1 x 2.404 km North Bundle). Each bundle consists of a drill centre manifold structure at one end, approximately 2.5km of 38" carrier pipe, and a riser base manifold structure at the opposite end.

Each bundle (South & South) is launched from the Subsea 7 Wester bundle fabrication site in Wester, Wick, Scotland. Towed by tugs along a planned tow route and installed in the Dana Western Isles Field UKCS block 210/24a situated 90km to the North East of Shetland.

The first (South bundle) is planned to be launched on the 11th January 2017, towed to the Dana Western Isles Field between the 11th - 14th January 2017 and installed between the 14th - 18th January 2017 in the Dana Western Isles field block 210/24a.

The second (North bundle) is planned to be launched on the 19th January 2017, towed to the Dana Western Isles Field between the 19th - 22nd January 2017 and installed between the 22nd - 26th January 2017 in the Dana Western Isles field block 210/24a.

The field is located in the UKCS, Block 210/24a situated 90km to the North East of Shetland and 12km west of the Tern platform, which is the nearest fixed facility. The water depth of the development varies from approximately 150m to 165m.

Bundles	Coordinates	Coordinates
North Bundle	61°13.014'N 000°42.240'E	61°13.026'N 000°42.969'E
South Bundle	61°11.744'N 000°43.673'E	61°12.962'N 000°44.854'E

For further information, Nicola Bannigan, Dana Petroleum Ltd, Tel: +44 1224 616170 email: Nicola.bannigan@dana-petroleum.com

Murdo MacLennan Subsea 7 Tel: +44(0)1224 265107 email: murdo.maclennan@subsea7.com

Seabed Activity

First Published: 15 December 2016 | Latest Update: 15 December 2016

Sturgeon Exploration Well 16/01a-E – Drilling Operations

TAQA plan to drill an exploration well in Block 16/01 into the Sturgeon prospect, in the central North Sea. The well will be drilled by the Transocean John Shaw. Well 16/01a-4 will be drilled as a vertical exploration well. After reaching its target, the well will be permanently plugged and abandoned, regardless of well results.



Drilling Rig/Ship	Installation / Well No	Position	Start / Finish
Awilco WilPhoenix	Sturgeon Exploration Well 16/01a-E	61°08.853'N 000°47.154'E	15/12/16 – 31/01/2017

For further information: Derek Harrold, TAQA Bratani, Tel:+44 1224 275557, email: derek.harrold@taqaqlobal.com

Seabed Activity

First Published: 13 December 2016 | Latest Update: 13 December 2016

Rowan Gorilla V jack-up rig move – UKCS Block 3/30

Please note that in mid-December the Rowan Gorilla V jack-up rig will leave the West Franklin Platform in the Central North Sea and be towed to and installed at the following location in the Northern North Sea. Please avoid this operation.



Location	Coordinates
UKCS Block 3/30	60°03.700'N 01°59.130'E

For further information: Luis McArthur, Total, Tel:01224 297903 email: Luis.mcarthur@total.com

Seabed Activity

First Published: 17 November 2016 | Latest Update: 13 December 2016

Eagle Project – UKCS Blocks 3/14a & 3/15b

Please note that TEPUK will have a Dive Support Vessel, MV Bibby Polaris working within Dunbar Platform 500m safety zone & Ellon/Grant subsea 500m safety zone (marked with a buoy), for approximately 7 days from the 11th December. Please continue to avoid these areas.



Location	Coordinates
Dunbar	60°37.730'N 01°39.050'E
Ellon/Grant	60°35.850'N 01°48.340'E

For further information: Luis McArthur, Total, Tel:01224 297903 email: Luis.mcarthur@total.com

Seabed Activity

First Published: 01 November 2016 | Latest Update: 29 November 2016

Scapa Water Injection – Pipeline Replacement Operations

Offshore Campaigns upcoming;

- Pipeline tie-in operations to be undertaken by Seven Falcon circa 26th November to 14th December.

Location	Coordinates
Claymore A Platform (500m Safety Zone)	58°26.921'N 00°15.316'W
CASWI Drill Template (500m Safety Zone)	58°25.885'N 00°15.637'W
Scapa Drill Template (500m Safety Zone)	58°25.612'N 00°19.174'W
Redundant PL367 crossing (within CASWI 500m Safety Zone)	58°25.880'N 00°15.700'W



For further information: Lilla Onodi, Repsol Sinopec, Tel: +44(1224) 353432 email: Lilla.Onodi@repsolinopecuk.com

Edradour / Glenlivet Field Development – Construction Activities

Please note that TEPUK have two new permanent subsea 500m safety zones which come into effect 14 July 2015 at Edradour & Glenlivet.

MV Artemis (INS564), Call Sign: MVIX5, is acting as guard vessel part way between Edradour & Edradour PLEM at the following location: 60° 55.39' N 02° 23.73' W

MV Virtuous (FR253), Call Sign: 2DSR6, is acting as guard vessel part way between Edradour & Glenlivet at the following location: 61° 00.28' N 02° 09.16' W



Area	Block	Coordinates
Glenlivet	UKCS 214/30a	61°04.600'N 02°05.010'W
Edradour	UKCS 206/4a	60°56.040'N 02°14.010'W
Edradour PLEM	UKCS 206/4a	60°54.660'N 02°32.260'W
Laggan	UKCS 206/4a	60°56.670'N 02°53.620'W

The metocean buoy in the last issue has been removed from the field.

For further information: Luis McArthur, Total, Tel:01224 297903 email: Luis.mcarthur@total.com

Martin Linge Project – NOCS Blocks 30/4 & 30/7a

Total Norway have activities solely within the Norwegian Sector for the Martin Linge Project which are included here for information.

A steel jacket (topsides to be installed summer 2017) at the following locations: 60°30.34' N 02°00.79' E and 60°29.87' N 02°04.42' E.

From 15th July 2016 Total Norway have a new 500m radius safety zone at the submerged STL buoy prior to the arrival of a floating storage vessel (FSO) planned to arrive Q4 2017 centred on the following location: 60° 29.87' N 02° 04.42' E

A guard vessel will be present in the area until the FSO arrives in late 2017.



For further information: Luis McArthur, Total, Tel:01224 297903 email: Luis.mcarthur@total.com

Laggan / Tormore Yell Sound Shetland – Overtrawlability Sweeps

Overtrawlability sweeps are now complete in the following area. TEPUK in discussion with SFF / SFA regarding results, please continue to exhibit caution in this area:

60°45.280'N 001°15.010'W 60°29.050'N 001°15.310'W



For further information: Luis McArthur, Total, Tel:01224 297903 email: Luis.mcarthur@total.com

Notice to Fishermen

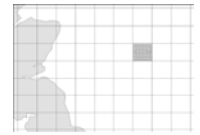
First Published: 22 September 2016 | Latest Update: 22 September 2016

Fishing Hazard – Kessog 30/01c-09 Well Abandonment plans



As part of the Kessog 30/01c-09 well abandonment plans, the disconnected SSXT and wellhead are to be left in place until approx. summer 2017. The SSXT was disconnected and left approx. 20 metres from the wellhead, it has dimensions of 3m x 3m. The stick-up of the SSXT above the seabed is 2.75m.

Position: 56°50.662'N 002°10.008'E



For further information: Nick Strachan, BP, Tel: +44(0)1224 955089 email: nick.strachan@uk.bp.com

Notice to Fishermen

First Published: 25 August 2016 | Latest Update: 25 August 2016

Fishing Hazard near Buzzard – Cement Block



Please note that a Cement Block (1.5 metres long) Located 2NM of Buzzard Platform

Position: 57°49.735'N 001°02.347'W



For further information: Brian Beattie, Nexen Petroleum UK Ltd, Tel: +44(0)1224 371347 email: brian.beattie@nexencnoocld.com

Seabed Activity

First Published: 03 March 2014 | Latest Update: 03 October 2016

Montrose BLP Project – Development Operations

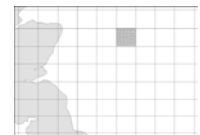


Offshore campaigns currently in progress or upcoming;

- Prosafe Operated Safe Boreas arrived at Montrose A 14th March. Flotel will operate in Combined Operations with the Montrose installation for 9-12 months.
- Nobel Regina Allen jack-up - On location 27th September, providing accommodation at Montrose A for 6 months.

Please note: HSE recognised 500m Safety Zone are now in force at the following:

Cayley drill centre 57°25.167'N 001°13.804'E Cayley/Montrose intermediate towhead 57°26.160'N 001°18.420'E
Shaw Production drill centre 57°17.813'N 001°21.755'E Shaw WI drill centre 57°17.369'N 001°22.299'E



Key Coordinates	
57°27.068'N 01°23.214'E	Montrose BLP (500m Safety Zone)
57°25.167'N 01°13.804'E	Cayley Drill Centre (500m Safety Zone)
57°25.924'N 01°17.332'E	44" Langed Crossing – located between Montrose BLP and Cayley Drill Centre– Fishing Hazard stay clear (concrete mattresses)
57°26.671'N 01°20.804'E	24" GAEL Crossing - located between Montrose BLP and Cayley Drill Centre– Fishing Hazard stay clear (concrete mattresses)
57°17.813'N 01°21.755'E	Shaw production Drill Centre
57°17.369'N 01°22.299'E	Shaw Water Injection Drill Centre
57°25.757'N 01°22.760'E	24" GAEL crossings- located between Montrose BLP and Shaw Production Drill Centre – Fishing Hazard stay clear (concrete mattresses)
57°27.054'N 01°22.987'E	14" Forties Crossings- located between Montrose BLP and Shaw Production Drill Centre (inside Montrose 500m zone)
57°22.000'N 01°20.25'E	CATS T2

For further information: Lilla Onodi, Talisman, Tel:+44 (0)1224 358867 email: LOnodi@talisman-sinopec.com

Janice, James and Affleck Fields – Decommissioning

Maersk Oil UK Ltd have commenced decommissioning activities associated with the removal of the Janice 'A' FPU in Block 30/17a of the UK Continental Shelf.

The FPU has now been towed from location and the associated moorings and anchors have been recovered. The Janice Drill Centre location is being cleared of all flowlines and umbilicals, mid water arches and several small structures. In addition the flexible flowline and umbilical between Janice and James will also be recovered. Subsea facilities recovery operations are being performed from a construction support vessel the 'MSS Achiever', with the 'Resilient' providing long term guard vessel services.



The subsea wells at Janice and James will be plugged and abandoned commencing Q4 2016. The remaining subsea structures will be recovered in the future in accordance with the Decommissioning Programme.

A summary of the current/upcoming activities is as follows:

Facility / Installation	Block	Coordinates	Activity	Schedule
Janice 'A' FPU	30/17a	56° 23.876' N 02° 15.004' E	Disconnection of risers and moorings - Within existing safety zone	Work Complete
Janice 'A' FPU	30/17a	56° 23.876' N 02° 15.004' E	Recovery of FPU moorings and anchors and FPU tow away	Work Complete
Anchor 1		56° 24.505' N 02° 14.799' E		
Anchor 2		56° 24.520' N 02° 15.007' E		
Anchor 3		56° 24.511' N 02° 15.106' E		
Anchor 4		56° 23.984' N 02° 16.138' E		
Anchor 5		56° 23.876' N 02° 16.140' E		
Anchor 6		56° 23.807' N 02° 16.159' E		
Anchor 7		56° 23.258' N 02° 15.117' E		
Anchor 8		56° 23.242' N 02° 15.003' E		
Anchor 9		56° 23.259' N 02° 14.801' E		
Anchor 10		56° 23.762' N 02° 13.805' E		
Anchor 11		56° 23.872' N 02° 13.840' E		
Anchor 12		56° 23.993' N 02° 13.860' E		
Janice Drill Centre	30/17a	56° 23.706' N 02° 15.316' E	Recovery of risers, flowlines and spools; recovery of subsea structures; sinking / recovery of mid-water arches - Within existing safety zones.	Aug – Nov 2016
James Drill Centre (Well P8)	30/17a	56° 21.485' N 02° 18.835' E	Recovery of spools and jumpers - Within existing safety zone	Aug – Nov 2016
Janice Drill Centre to James Drill Centre	30/17a	56° 23.706' N 02° 15.316' E 56° 21.485' N 02° 18.835' E	Recovery of Flexible flowline and umbilical approx. 5.5km length	Oct – Dec 2016

For further information: Steph Kiltie, PDI Ltd, Tel +44(0)1224 562193 email steph.kiltie@pdi-ltd.com

Notice to Fishermen

First Published: 01 December 2016 | Latest Update: 01 December 2016

Fishing Hazard – Handrails, ladder 3m x 3m



Please note that metal debris, appearance of handrails, two diagonal braces and a ladder. Size Approximately 3m x 3m

Position: 53°39.656'N 000°54.364'E

For further information: Susan Mackenzie, Centrica, email: susan.mackenzie@centrica.com

Notice to Fishermen

First Published: 06 October 2016 | Latest Update: 06 October 2016

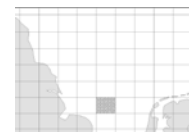
Fishing Hazard – 6 tonne elastomer buoy



Please note that a 6 tonne buoyancy surface support elastomer buoy with 5 metres pigtail pennant wire. Buoy is coloured bright yellow and has an approximate freeboard of 1.5 metres

Buoy has no light fitted.

Position: 53°23.917'N 002°14.033'E

For further information: David King, EnSCO, Tel: 01224 366053 email: r92oim@enscoplc.com

Notice to Fishermen

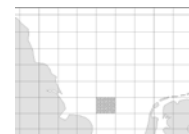
First Published: 06 October 2016 | Latest Update: 06 October 2016

Fishing Hazard – Lost Wire



Please note that a EnSCO 92 on contract to ConocoPhillips was being towed from Victor JD platform to Vixen VM location with three towing vessels. As the rig was being positioned at Vixen's standoff location the tow wire from Bugsier 9 (tow vessel) parted close to the vessels stern. EnSCO 92 was able to retrieve two sections (approx 60m) of the tow wire but the last section was lost to sea. The lost wire is 52mm diameter and 200 meters in length. Buoy has no light fitted.

Position: 53°24.177'N 002°13.896'E

For further information: David King, EnSCO, Tel: 01224 366053 email: r92oim@enscoplc.com

Notice to Fishermen

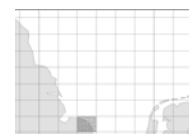
First Published: 25 August 2016 | Latest Update: 25 August 2016

Bacton to Hewitt – Pipeline Spans



New pipeline spans discovered on ENI's Bacton to Hewitt pipeline (Approx. 8.5nm offshore). Please exercise caution.

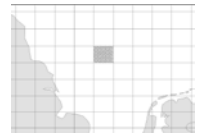
Span	Position	Length / Height
Span 1	52°59.466'N 001°34.373'E to 52°59.445'N 001°34.327'E	65 m x 1.7 m
Span 2	52°59.618'N 001°34.695'E to 52°59.606'N 001°34.664'E	23 m x 0.7 m



For further information: Kingfisher – See details in footer

Cygnus Field – Development Project – Subsea Installation update

ENGIE E&P Ltd is developing the Cygnus Field in Block 44/11a & 44/12a of the Southern North Sea. The development is centred on 3 fixed bridge-linked platforms which comprise the Cygnus Alpha Complex (Well-Head AWHP, Production and Utilities APU and the Utilities and Quarters AUQ).



There is also an additional satellite platform, Bravo Well-Head BWHP. An infield pipeline links the Bravo satellite to the Alpha Complex and product is ultimately exported via the ETS Pipeline system.

The upcoming subsea installation phase is due to commence mid October 2016, this form lists upcoming activities, key co-ordinates, details of the vessels involved and ENGIE E&P Ltd contacts.

Over the next 6 weeks the following works are planned: Subsea Operations

- Olympic Ares Construction Support Vessel shall wet store 12" pipeline spools at Cygnus Bravo
- Bibby Polaris Dive Support Vessel shall install infield umbilical and tie-in 12" pipeline spools between Cygnus Alpha and Bravo
- Fugro Saltire Trenching Support Vessel shall trench infield umbilical between Cygnus Alpha and Bravo
- Boskalis Rockpiper Dynamically Positioned Fallpipe Vessel shall conduct infield subsea

rock installation between Cygnus Alpha and Bravo

Key Locations:

Structures	Coordinates	Structures	Coordinates
Cygnus AWH Platform	54°34.146'N 002°17.465'E	Cygnus BVH Platform	54°35.878'N 002°11.696'E
Cygnus APU Platform	54°34.118'N 002°17.385'E	Cygnus SSIV Manifold	54°34.159'N 002°17.320'E
Cygnus AUQ Platform	54°34.090'N 002°17.305'E	Cygnus WYE Manifold	54°18.030'N 001°40.578'E

Subsea Operations:

- Olympic Ares mobilising 12th October 2016
- Bibby Polaris mobilising 12th October 2016
- Fugro Saltire mobilising 18th October 2016
- Boskalis Rockpiper mobilising mid November 2016

For further information, David Hawkins, GDF Suez E&P UK Ltd, Tel: +44 1224 281 082 email: david.hawkins@gdfsuezep.co.uk

Liverpool Bay – Drilling Operations

Petrofac drilling operations



Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Irish Sea Pioneer	Douglas Field 110/13D	53°32.234'N 003°34.781'W	11/11/16	33 Days
Irish Sea Pioneer	Hamilton Field 110/13H	53°33.958'N 003°27.270'W	14/12/16	2 Days
Irish Sea Pioneer	Hamilton Field 110/13HN	53°38.782'N 003°28.685'W	16/12/16	4 Days
Irish Sea Pioneer	Lennox Field 110/15L	53°37.881'N 003°10.595'W	20/12/16	75 Days

For further information: Alec Townley, Petrofac, Tel: +44 1352 842353 alec.townley@petrofac.com

Area 1 Rig List

Latest Update: 15 December 2016

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Sedco 712	58°02.00'N 00°43.70'E		Maersk Intrepid	60°30.30'N 02°00.80'E
	Blackford Dolphin	58°18.10'N 01°42.40'E		Safe Scandinavia	60°41.90'N 02°55.90'E
	Maersk Integrator	58°34.30'N 01°41.80'E		Flotel Victory	60°44.20'N 02°29.90'W
	Deepsea Atlantic	58°50.00'N 02°32.90'E		COSL Promoter	60°46.20'N 03°36.10'E
	Rowan Viking	58°50.60'N 02°14.90'E		Songa Equinox	60°49.80'N 03°34.20'E
	Maersk Interceptor	58°55.30'N 02°11.80'E		West Epsilon	60°51.20'N 02°38.50'E
	Ocean Valiant	59°20.30'N 01°36.40'E		West Elara	61°02.30'N 02°20.30'E
	Noble Lloyd Noble	59°35.40'N 01°03.40'E		Borgland Dolphin	61°13.30'N 03°26.40'E
	Wilphoenix	59°36.00'N 01°19.20'E		Transocean Arctic	61°25.00'N 04°04.00'E
	Transocean Leader	59°53.90'N 01°16.90'E	New	Paul B Loyd Jr	61°40.10'N 01°22.20'E
	Transocean Spitsbergen	60°08.40'N 03°55.30'W		Scarabeo 5	64°16.00'N 07°12.00'E
	Deepsea Aberdeen	60°20.00'N 04°06.00'W			

Area 2 Rig List

Latest Update: 15 December 2016

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	EnSCO 71	55°28.80'N 05°06.60'E		COSL Rival	56°41.80'N 02°20.30'E
	Maersk Resilient	55°34.70'N 04°45.60'E		EnSCO 100	56°48.40'N 00°42.30'E
	Noble Sam Turner	55°38.40'N 04°53.10'E		Rowan Gorilla 5	56°57.55'N 01°48.33'E
	Seafox 5	55°46.10'N 04°38.90'E		GSF Galaxy 1	57°00.79'N 01°50.37'E
	EnSCO 121	55°52.90'N 04°14.00'E		Prospector 5	57°00.80'N 01°50.50'E
	Maersk Guardian	56°14.60'N 04°16.90'E		Noble Hans Deul	57°01.90'N 01°57.30'E
	Maersk Resolve	56°14.80'N 03°57.60'E		Noble Regina Allen	57°27.00'N 01°23.20'E
	Maersk Innovator	56°22.60'N 03°15.50'E			
	Rowan Gorilla 6	56°31.20'N 03°13.30'E			

Area 3 Rig List

Latest Update: 15 December 2016

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Seafox 4	53°03.20'N 02°11.30'E		EnSCO 122	53°58.00'N 04°27.60'E
	590021	53°14.00'N 03°14.50'E		Rowan Gorilla VII	54°03.30'N 01°02.10'E
	EnSCO 92	53°14.90'N 02°17.80'E		Seafox 2	54°34.10'N 02°18.10'E
	Atlantic Amsterdam	53°15.30'N 00°52.00'E		EnSCO 80	54°36.00'N 02°11.80'E
	GMS Endurance 6101	53°32.00'N 02°15.30'E		Seafox 7	54°36.00'N 02°11.80'E
	Paragon HZ-1	53°42.60'N 04°49.10'E		EnSCO 101	54°51.20'N 04°41.80'E
	Seajacks Kraken	53°50.00'N 00°26.50'E			

Area 5 Rig List

Latest Update: 15 December 2016

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
New	Irish Sea Pioneer	53°32.20'N 03°34.80'W			

Rig anchors may extend over one mile from rig positions; anchor buoys are not always deployed. There may be additional structures called anchor pennants, deployed up to 200 metres from each anchor. In the interests of safety and to avoid fishing gear damage, fishing close to, or within anchor patterns, should be avoided. Fishermen may contact the installation or the ERRV (standby vessel) for positions of the anchors.

Area 1 Anchor List

Latest Update: 15 December 2016

PBLJ – At the Magnus D6 Well

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	61°40.062'N 001°22.068'E	3	61°40.440'N 001°24.036'E	6	61°39.060'N 001°21.804'E
1	61°40.980'N 001°21.282'E	4	61°39.690'N 001°24.024'E	7	61°39.684'N 001°20.100'E
2	61°40.992'N 001°22.848'E	5	61°39.126'N 001°22.866'E	8	61°40.446'N 001°20.070'E

Transocean Spitsbergen – At well 205-26b-12

Anchor No.	Anchor Position	Laydown Pennant s	Anchor Position	Laydown Pennant s
Rig	60°08.353'N 003°55.452'W			
1	60°08.390'N 003°57.278'W	60°08.393'N 003°57.537'W	5	60°08.322'N 003°53.704'W
2	60°08.953'N 003°56.707'W	60°09.043'N 003°56.893'W	6	60°07.728'N 003°54.243'W
3	60°09.226'N 003°55.381'W	60°09.355'N 003°55.378'W	7	60°07.514'N 003°55.594'W
4	60°08.981'N 003°54.124'W	60°09.071'N 003°53.937'W	8	60°07.722'N 003°56.765'W

Deepsea Aberdeen – As-Laid At Schiehallion West Drill Centre

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	60°19.356'N 004°09.156'W	3	60°21.096'N 004°04.992'W	6	60°17.742'N 004°04.620'W
1	60°20.376'N 004°09.192'W	4	60°20.424'N 004°03.684'W	7	60°18.378'N 004°07.116'W
2	60°21.480'N 004°06.972'W	5	60°19.314'N 004°01.152'W	8	60°19.920'N 004°06.072'W

Ocean Guardian – Anchors as Laid at Western Isles South Drill Centre

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	61°11.770'N 00°43.640'E	3	61°12.410'N 00°43.130'E	6	61°11.450'N 00°44.180'E
1	61°11.570'N 00°42.240'E	4	61°12.430'N 00°44.050'E	7	61°10.770'N 00°43.180'E
2	61°12.000'N 00°42.320'E	5	61°12.020'N 00°45.050'E	8	61°10.880'N 00°43.210'E

Blackford Dolphin – As Laid Pattern Captain B

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	58°18.001'N 01°42.492'W	3	58°18.869'N 01°42.727'W	6	58°17.298'N 01°41.225'W
1	58°18.239'N 01°44.023'W	4	58°18.698'N 01°41.400'W	7	58°17.054'N 01°42.489'W
2	58°18.646'N 01°43.554'W	5	58°17.877'N 01°40.638'W	8	58°17.437'N 01°44.025'W

Captain FPSO

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	58°18.296'N 01°44.658'W	3	58°18.529'N 01°42.623'W	6	58°17.542'N 01°41.653'W
1	58°18.148'N 01°43.413'W	4	58°18.430'N 01°41.829'W	7	58°17.389'N 01°42.497'W
2	58°18.391'N 01°43.139'W	5	58°17.919'N 01°41.275'W	8	58°17.630'N 01°43.494'W

Anchors still on seabed At Schiehallion North WestDrill Centre

Anchor No.	Anchor Position	Surface Buoys	Anchor Position	Surface Buoys
1	60°22.434'N 004°09.270'W	60°22.656'N 004°07.734'W	5	60°23.358'N 04°02.580'E
2	60°23.670'N 004°08.976'W	60°23.286'N 004°07.548'W	6	60°21.906'N 04°02.946'E
3	60°24.462'N 004°06.960'W	60°23.700'N 004°06.498'W	7	60°21.288'N 04°05.664'E
4	60°24.324'N 004°04.464'W	60°23.634'N 004°05.220'W	8	60°21.456'N 04°07.614'E

Anchors still on seabed At Schiehallion North WestDrill Centre

Anchor No.	Position	Anchor No.	Position
5	60°23.358'N 04°02.580'E	7	60°21.288'N 04°05.664'E
6	60°21.906'N 04°02.946'E	8	60°21.456'N 04°07.614'E

Glen Lyon – FPSO



Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	60°21.383'N 04°04.071'W	7	60°20.531'N 04°03.269'W	14	60°21.054'N 04°05.849'W
1	60°21.811'N 04°02.375'W	8	60°20.516'N 04°03.331'W	15	60°21.084'N 04°05.872'W
2	60°21.779'N 04°02.349'W	9	60°20.506'N 04°03.393'W	16	60°22.223'N 04°04.934'W
3	60°21.755'N 04°02.298'W	10	60°20.493'N 04°03.449'W	17	60°22.236'N 04°04.873'W
4	60°21.720'N 04°02.297'W	11	60°20.955'N 04°05.765'W	18	60°22.253'N 04°04.808'W
5	60°21.691'N 04°02.274'W	12	60°20.987'N 04°05.792'W	19	60°22.264'N 04°04.737'W
6	60°20.534'N 04°03.198'W	13	60°21.019'N 04°05.824'W	20	60°22.278'N 04°04.675'W

Ocean Valiant – Pre-Laid At Bagpuss Well

Anchor No.	Chain Pennant	Chain End	Anchor
1	58°12.450'N 01°10.240'W	58°12.420'N 01°10.380'W	58°12.180'N 01°11.590'W
2	58°12.510'N 01°10.220'W	58°12.540'N 01°10.360'W	58°12.800'N 01°11.540'W
3	58°12.600'N 01°10.110'W	58°12.670'N 01°10.170'W	58°13.280'N 01°10.650'W
4	58°12.580'N 01°09.980'W	58°12.660'N 01°09.920'W	58°13.280'N 01°09.420'W
5	58°12.510'N 01°09.880'W	58°12.540'N 01°09.730'W	58°12.800'N 01°08.530'W
6	58°12.320'N 01°09.270'W	58°12.370'N 01°09.400'W	58°12.030'N 01°08.650'W
7	58°12.410'N 01°10.000'W	58°12.330'N 01°09.940'W	58°11.680'N 01°09.440'W
8	58°12.430'N 01°10.070'W	58°12.360'N 01°10.110'W	58°11.710'N 01°10.520'W

Deepsea Atlantic – Pre-laid Anchors at Johan Sverdrup



Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	58°50.088'N 002°33.021'E	3	58°51.440'N 002°33.992'E	6	58°48.948'N 002°33.878'E
1	58°50.510'N 002°30.809'E	4	58°50.602'N 002°35.620'E	7	58°49.001'N 002°31.942'E
2	58°51.557'N 002°31.514'E	5	58°49.666'N 002°35.239'E	8	58°49.496'N 002°30.036'E

Transocean Leader – At Kraken DC1 9/02b-A1



Anchor No.	Anchor Position	Laydown Pennant s	Anchor Position	Laydown Pennant s
Rig	59°53.510'N 01°12.230'E			
1	59°54.290'N 01°11.580'E	59°54.380'N 01°11.500'E	5	59°52.760'N 01°12.810'E
2	59°54.310'N 01°12.690'E	59°54.400'N 01°12.740'E	6	59°52.740'N 01°11.590'E
3	59°54.760'N 01°13.790'E	59°53.790'N 01°13.980'E	7	59°53.200'N 01°10.670'E
4	59°53.210'N 01°13.700'E	59°53.170'N 01°13.880'E	8	59°53.820'N 01°10.660'E

Paragon MSS1 – Telford H2 Well



Anchor No.	Anchor Position	Laydown Pennant s	Anchor Position	Laydown Pennant s
Well	58°12.320'N 00°16.720'E			
1	58°12.850'N 00°16.160'E	58°12.930'N 00°16.050'E	7	58°11.760'N 00°17.300'E
2	58°12.940'N 00°16.720'E	58°12.950'N 00°16.580'E	8	58°11.690'N 00°16.720'E
3	58°12.840'N 00°17.270'E	58°12.900'N 00°17.130'E	9	58°11.770'N 00°16.150'E
4	58°12.610'N 00°17.720'E	58°12.680'N 00°17.660'E	10	58°12.020'N 00°15.690'E
5	58°12.320'N 00°17.860'E	58°12.320'N 00°18.000'E	11	58°12.320'N 00°15.500'E
6	58°12.020'N 00°17.760'E	58°11.990'N 00°17.880'E	12	58°12.620'N 00°15.670'E

Borgsten Dolphin – At Invergordon anchorage #4

Offhire from TEPUK but final position published.

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	57°41.060'N 004°10.330'E	2	57°40.880'N 004°09.910'E	5	57°40.850'N 004°10.680'E
1	57°41.000'N 004°09.830'E	4	57°40.810'N 004°10.560'E	6	57°40.890'N 004°10.750'E

West Phoenix – At Invergordon Anchorage

West Phoenix at Offshore Invergordon Anchorage, Moray Firth with anchors deployed. Offhire from TEPUK, but TEPUK want to publish final position. The DP3 semi-submersible Rig West Phoenix is currently at an offshore Invergordon anchorage, Moray Firth

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	57°42.560'N 03°52.550'W	3	57°43.710'N 03°53.420'W	6	57°42.190'N 03°50.840'W
1	57°42.140'N 03°54.500'W	4	57°43.720'N 03°51.690'W	7	57°41.650'N 03°51.870'W
2	57°43.150'N 03°54.140'W	5	57°43.000'N 03°50.520'W	8	57°41.640'N 03°53.250'W

Stena Spey – As-Laid At Alma

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	56°11.890'N 002°45.750'E	3	56°12.260'N 002°46.930'E	6	56°11.060'N 002°44.930'E
1	56°11.530'N 002°45.330'E	4	56°11.680'N 002°46.990'E	7	56°11.640'N 002°43.820'E
2	56°12.660'N 002°46.250'E	5	56°11.170'N 002°46.270'E	8	56°12.260'N 002°43.840'E

Catcher FPSO –

Construction vessels Skandi Skansen and Skandi Neptune working around and extending out approximately 1000m from the future Catcher FPSO



Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
STP Buoy @ Future FPSO	56°46.207'N 000°42.782'E				
1	56°46.573'N 000°42.093'E	5	56°46.457'N 000°43.780'E	9	56°45.713'N 000°42.755'E
2	56°46.602'N 000°42.136'E	6	56°46.423'N 000°43.804'E	10	56°45.719'N 000°42.687'E
3	56°46.630'N 000°42.182'E	7	56°46.387'N 000°43.824'E	11	56°45.728'N 000°42.620'E
4	56°46.655'N 000°42.233'E	8	56°46.350'N 000°43.840'E	12	56°45.739'N 000°42.555'E

COSL Rival – Proposed Mooring at Judy30/7a

COSL Rival located adjacent to the East face of the Judy Platform from 19th April for approx 6 months. Moorings are fitted with polyester inserts and subsea buoyancy and represent a significant snagging hazard to fishing vessel activity in the vicinity. Moorings have a circa 2km radius about the location



Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Alongside	56°41.791'N 002°20.319'E	4	56°42.870'N 002°19.365'E	9	56°42.406'N 002°21.890'E
Standoff	56°41.807'N 002°20.355'E	5	56°42.897'N 002°19.526'E	10	56°41.361'N 002°21.830'E
1	56°40.927'N 002°19.690'E	6	56°42.945'N 002°20.077'E	11	56°41.193'N 002°21.599'E
2	56°41.102'N 002°19.457'E	7	56°42.757'N 002°21.099'E	12	56°41.061'N 002°21.267'E
3	56°41.250'N 002°19.161'E	8	56°42.583'N 002°21.519'E		

Ocean Patriot – As Laid at Pierce A12 Well

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	57°10.081'N 002°15.560'E	5	57°09.323'N 002°16.412'E	# 7 Pennant End	57°09.638'N 002°14.153'E
1	57°10.622'N 002°14.944'E	# 5 Pennant End	57°09.263'N 002°16.466'E	8	57°10.298'N 002°14.428'E
2	57°10.691'N 002°15.793'E	6	57°09.382'N 002°15.260'E	# 8 ROV Survey	57°10.362'N 002°14.457'E
3	57°10.369'N 002°16.396'E	# 6 Pennant End	57°09.316'N 002°15.228'E		
4	57°09.971'N 002°16.677'E	7	57°09.671'N 002°14.261'E		

Area 1 Survey List

Latest Update: 01 December 2016

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Schlumberger Oilfield UK plc Transocean Spitsbergen V7ZS8		60°15.603'N 003°32.900'W	205	01/01/2017 - 28/02/2017 For 1 Day
Gardline Geosurvey TBC		60°13.448'N 003°55.732'E 60°13.498'N 003°48.152'E 60°08.869'N 003°55.603'E 60°08.919'N 003°48.040'E 59°26.264'N 001°35.804'E 59°24.648'N 001°35.871'E 59°24.613'N 001°32.701'E	205	21/11/2016 - 31/01/2017 For 4 Days
Baker Hughes Wireline Ocean Valiant V7EB7		59°20.232'N 001°36.301'E	9	20/10/2016 - 28/02/2017 For 1 Day
Fugro Survey Ltd Fugro Searcher 3EUY6 Fugro Galaxy C6YY4		58°17.482'N 000°49.120'E 58°22.458'N 000°52.901'E	15	19/10/2016 - 20/12/2016 For 5 Days
Gardline Geosurvey Limited Ocean Reliance J8B2707		59°35.849'N 001°39.467'E 59°35.932'N 001°47.967'E 59°31.623'N 001°48.121'E 59°31.540'N 001°39.638'E	9	23/09/2016 - 30/04/2017 For 4 Days
Subsea 7 Subsea Viking LJLL		60°18.834'N 000°01.121'E 60°25.606'N 000°02.114'E 60°32.377'N 000°03.113'E 60°39.015'N 000°05.757'E 60°44.935'N 000°12.423'E 60°44.512'N 000°12.870'E 60°38.554'N 000°06.356'E 60°31.896'N 000°03.918'E 60°25.124'N 000°02.916'E 60°18.353'N 000°01.921'E 60°12.063'N 000°00.135'E 60°12.010'N 000°00.992'E 60°49.780'N 000°21.151'E 60°49.552'N 000°21.885'E 61°13.053'N 000°44.978'E 61°13.035'N 000°41.108'E 61°12.999'N 000°44.979'E	61°12.981'N 000°41.109'E 61°11.261'N 000°43.144'E 61°12.978'N 000°44.808'E 61°11.238'N 000°43.245'E 61°12.955'N 000°44.909'E 61°15.461'N 000°49.508'E 61°15.065'N 000°49.867'E 61°14.667'N 000°48.204'E 61°14.151'N 000°46.810'E 61°13.498'N 000°45.803'E 61°13.236'N 000°45.537'E 61°13.192'N 000°49.455'E 61°12.761'N 000°49.434'E 61°12.818'N 000°44.316'E 61°13.702'N 000°45.016'E 61°14.461'N 000°46.190'E 61°15.038'N 000°47.748'E	17/05/2016 - 31/12/2016 For 7 Days
Fugro GeoConsulting Ltd MV Bucentaur - C6SU4 MV Gargano - VSMW5 Greatship Manisha - 9V7823		59°26.229'N 001°32.632'E 59°26.264'N 001°35.804'E 59°24.648'N 001°35.871'E 59°24.613'N 001°32.701'E	9	01/05/2016 - 31/12/2016 For 3 Days
Fugro GeoConsulting Ltd MV Bucentaur - C6SU4 MV Gargano - VSMW5 Greatship Manisha - 9V7823		59°36.916'N 001°18.301'E 59°36.956'N 001°21.490'E 59°35.341'N 001°21.569'E 59°35.300'N 001°18.382'E	9	01/05/2016 - 31/12/2016 For 3 Days
Fugro GeoConsulting Ltd MV Bucentaur - C6SU4 MV Gargano - VSMW5 Greatship Manisha - 9V7823		59°27.678'N 001°35.536'E 59°27.711'N 001°38.711'E 59°26.095'N 001°38.776'E 59°26.062'N 001°35.603'E	9	01/05/2016 - 31/12/2016 For 3 Days
Fugro GeoConsulting Ltd MV Bucentaur - C6SU4 MV Gargano - VSMW5 Greatship Manisha - 9V7823		59°23.121'N 001°38.404'E 59°23.153'N 001°41.572'E 59°21.537'N 001°41.634'E 59°21.505'N 001°38.469'E	9	01/05/2016 - 31/12/2016 For 3 Days

Area 2 Survey List

Latest Update: 01 December 2016

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Fugro GeoConsulting Bucentaur - C6SU4		56°43.584'N 002°05.290'E 56°43.596'N 002°05.277'E 56°43.569'N 002°05.284'E 56°43.587'N 002°05.318'E	30	17/12/2016 - 31/01/2017 For 37 Days
MMT M/V Stril Explorer LAZT7		57°27.400'N 001°47.448'W 57°28.628'N 001°44.111'W 57°28.190'N 001°43.469'W 57°26.866'N 001°47.128'W 57°26.769'N 001°47.953'W		06/12/2016 - 16/12/2016 For 37 Days

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Fugro Survey B.V Fugro Pioneer C6BH3		54°14.543'N 002°30.897'E 54°14.546'N 002°31.818'E 54°15.625'N 002°31.805'E 54°15.621'N 002°30.884'E	44	18/11/2016 - 31/01/2017 For 3 Days
Gardline MV Ocean Vantage		1000m x 1000m from: 51°14.105'N 001°54.639'E	56	15/11/2016 - 22/11/2016 For 5-7 Days
Poarcus DMCC Polarcus Asima C6XK6	6000m / 15m	54°04.904'N 001°03.830'E 54°04.838'N 001°47.764'E 53°44.071'N 001°47.648'E 53°43.703'N 000°53.830'E 53°53.904'N 000°53.680'E 53°53.753'N 000°15.779'E 53°59.903'N 000°11.829'E 54°02.803'N 000°14.929'E 54°06.937'N 000°15.528'E 54°14.754'N 000°15.378'E 54°14.921'N 001°03.746'E	42; 43; 47; 48	01/10/2016 - 31/07/2017 For 2 Days
Gardline MV Vigilant		52°07.530'N 002°02.471'E 52°03.050'N 001°40.000'E 52°05.213'N 001°34.796'E 52°19.983'N 001°41.082'E 52°19.946'N 002°02.212'E		
Gardline MV Vigilant		52°19.983'N 001°41.082'E 52°34.865'N 001°51.511'E 52°34.421'N 001°56.093'E 52°35.350'N 002°01.892'E 52°19.946'N 002°02.212'E		
Gardline MV Titan Discovery ZQZ15		52°19.980'N 001°41.080'E 52°23.290'N 001°43.130'E 52°23.260'N 001°45.000'E 52°19.980'N 001°41.080'E		December 2016 - January 2017