

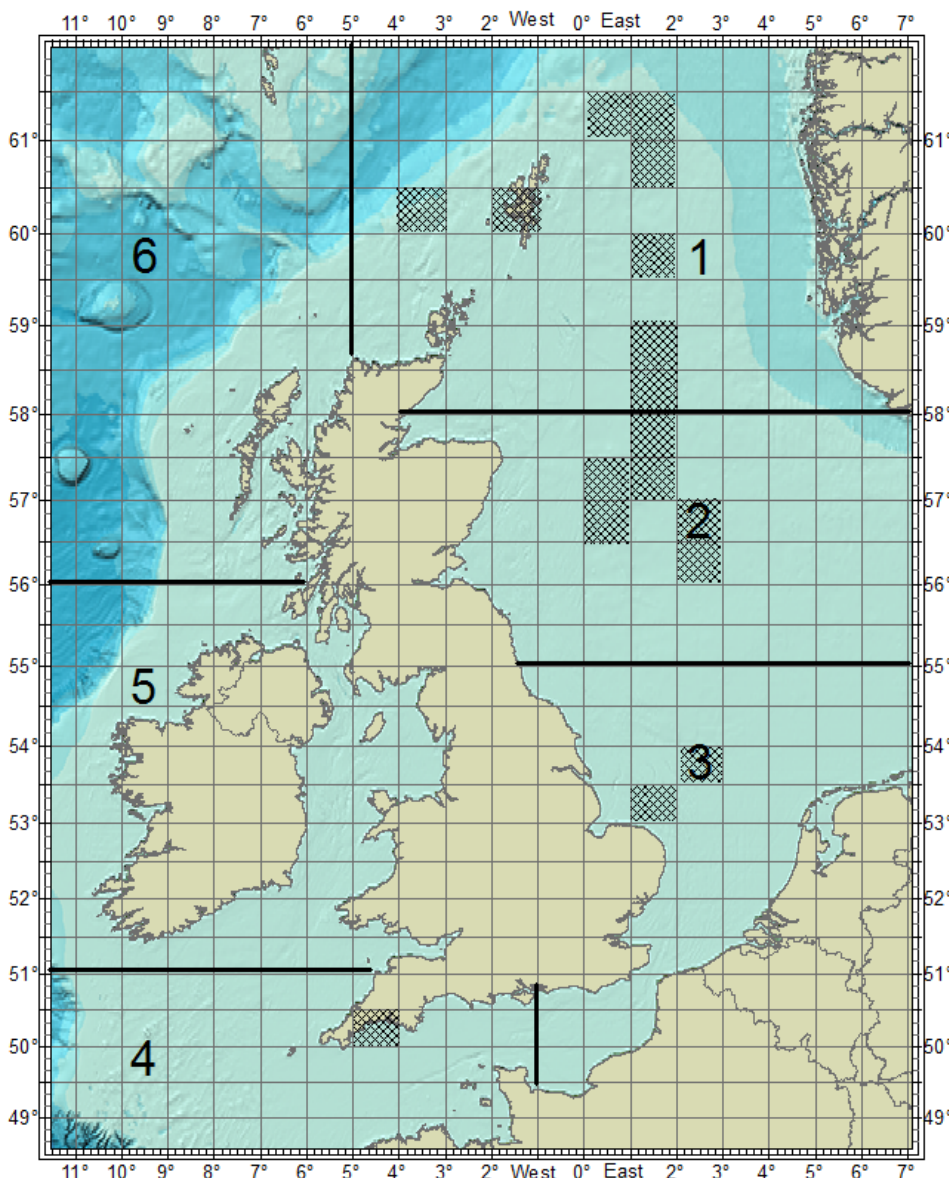
# The Kingfisher Bulletin

## Offshore News

OIL AND GAS

31 MAY 2018 | ISSUE 11

Shaded blocks indicate activity.



What's inside?

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## Support

The Kingfisher Bulletin is provided by the Kingfisher Information Service of Seafish, to promote awareness of offshore hazards to fishermen, new structures and zones and conflicting offshore operations. Support for publication of oil and gas industry information in this Bulletin is part of the project 'Fishing Safely in Changing European Waters 2016-2019' promoted by FLTC Services Ltd. The European Union through the European Maritime and Fisheries Fund and the Scottish Government have awarded substantial grants towards the costs of the project.



For further information, please visit: [www.fishsafe.eu/en/contact-us/funding](http://www.fishsafe.eu/en/contact-us/funding)

## 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   |
|---|--|-------------|---|---|
| Significant free-spans have been identified along the PL1043 Dunbar to Alwyn pipeline | 60°38.646'N 01°39.193'E<br>60°38.713'N 01°39.207'E<br>60°39.017'N 01°39.267'E<br>60°39.033'N 01°39.271'E | 31 May 2018 | David Colliard, email: <a href="mailto:david.colliard@total.com">david.colliard@total.com</a> |  |
| New suspended wellhead on seabed (211/23b-11)   | 60° 38.713' N 1° 39.207' E   | 15 May 2018 | Fairfield Energy, Tel: +44 (0)1224 320708   |  |
| Removal of protective structure for wellhead 211/19-2 (8m x 8m x 7m)                  | 60° 39.017' N 1° 39.267' E   | 3 May 2018  | CNR International Ltd, Tel: +44 1224 303600   |  |
| One 8in pipeline and one 6in umbilical Exposed Laggan and Tormore fields              | 60° 39.033' N 1° 39.271' E   | 11 Jan 2018 | TOTAL, Tel: +44 (0)1224 298172  |  |

### Area 2 Hazard List

| Hazard Type                              | Position                 | Issue Date  | Contact Details   | Map   |
|--|--------------------------|-------------|---|---|
| Sunken buoy with heavy weight and anchor | 57°00.668'N 000°05.671'W | 31 May 2018 | Raymond Hall, Tel: 01224 646944 email: <a href="mailto:R.Hall@sff.co.uk">R.Hall@sff.co.uk</a> |  |

### Area 3 Hazard List

| Hazard Type  | Position  | Issue Date    | Contact Details         | Map   |
|--|---|---------------|-------------------------|---|
| Significant Pipeline Span on PL21 from Hewett to Bacton (37m long and 1m high) | 53°01.482'N 001°43.673'E                                    | 15 May 2018   | ENI, Tel: 020 7344 6342 |  |
| Concrete mattresses installed on seabed to stabilise a pipeline span           | 53°06.662'N 001°44.180'E<br>and<br>53°06.668'N 001°44.165'E | 19 April 2018 | ENI, Tel: 020 7344 6342 |  |

## Notice to Fishermen

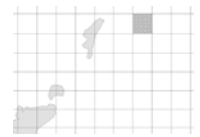
First Published: 31 May 2018 | Latest Update: 31 May 2018

## Fishing Hazard – Free-spans on Dunbar to Alwyn pipeline



Significant free-spans have been identified along the PL1043 Dunbar to Alwyn pipeline

| Position                   | Length (m) | Height (m) |
|----------------------------|------------|------------|
| 60° 38.646' N 1° 39.193' E | 32         | 0.9        |
| 60° 38.713' N 1° 39.207' E | 25         | 0.8        |
| 60° 39.017' N 1° 39.267' E | 11         | 0.8        |
| 60° 39.033' N 1° 39.271' E | 11         | 1.0        |

For further information: David Colliard, Total E&P UK Limited, Tel: 01224 298172 email: [david.colliard@total.com](mailto:david.colliard@total.com)

## Notice to Fishermen

First Published: 15 May 2018 | Latest Update: 15 May 2018

## New Suspended Wellhead – Structure on seabed



Please be advised that the suspended wellhead below is a potential hazard to fishing, as there is a structure on the seabed.

| Structure  | Operator         | Position                 |
|------------|------------------|--------------------------|
| 211/23b-11 | Fairfield Energy | 61°16.210'N 001°25.962'E |



For further information: Fairfield Energy, Tel: +44 (0)1224 320708

## Notice to Fishermen

First Published: 03 May 2018 | Latest Update: 03 May 2018

## Fishing Hazard – Murchison Wellhead Protection Structure



Removal of protective structure for wellhead 211/19-2 and wet storage on the seabed.

The 7.5m x 7.5m x 7.5m wellhead protection structure to be removed from the foundation structure and wet-stored alongside the space-frame on the seabed. The 8m x 8m x 7m space-frame structure remains in position fixed to the seabed with foundation piles. Both structures are considered a significant hazard due to exposed guideposts etc



Removal of the protective structure will take place in the period after 26 May 2018 and will remain in this configuration until full removal in 2019.

| Well          | Coordinates             |
|---------------|-------------------------|
| Well 211/19-2 | 61°23.382'N 01°44.050'E |

For further information: Carolyn Toshney, CNR International Ltd, Tel: +44 1224 303600 email: [Carolyn.Toshney@cnrl.com](mailto:Carolyn.Toshney@cnrl.com)

## Notice to Fishermen

First Published: 11 January 2018 | Latest Update: 11 January 2018

## Fishing Hazard – Laggan / Tormore Pipelines – Orka Voe



One 8in pipeline and one 6in umbilical from Laggan and Tormore fields are currently exposed in the nearshore section close to landfall. The exposed sections are in the following area:

|               |              |
|---------------|--------------|
| 60° 29.319' N | 1° 15.213' W |
| 60° 29.304' N | 1° 15.108' W |
| 60° 28.993' N | 1° 15.281' W |
| 60° 29.007' N | 1° 15.386' W |

Where water depth is between 20 and 35m. Fishing activities shall be avoided in this area, as there is potential for snagging.

For further information: David Colliard, Total E&P UK Limited, Tel: 01224 298172 email: [david.colliard@total.com](mailto:david.colliard@total.com)

**Leadon Development** – Decommissioning

**Maersk Oil UK Ltd have commenced decommissioning activities associated with the removal of the Leadon subsea infrastructure in Block 9/14 of the UK Continental Shelf.**

The 2018 Decommissioning campaign at Leadon commences in June, with activities ongoing through to August. The Maersk Inventor CSV will arrive in Field in mid-June to complete the below workscope:



- 6x Bundle Cuts – (3x cuts on Bundle Section A – 46”, 3x cuts on Bundle Section B – 51”;
- Preparation of 3x Leadon Towhead Structures for recovery;
- Recovery of 2x Leadon Towhead Structures:
  - Mid Line Structure;
  - South Towhead (B).
- Recovery of 4x Subsea Xmas Trees @ Leadon North;
- Debris Clearance @ Leadon North, South and Mid Line locations.

The remaining Leadon North Towhead and bundle sections will be decommissioned during future offshore campaigns in accordance with the approved Decommissioning Programme.

**A summary of the upcoming activities is as follows:**

| Location                 | Block | Coordinates             | Activity              | Schedule         |
|--------------------------|-------|-------------------------|-----------------------|------------------|
| Leadon North Towhead     | 9/14a | 59°34.708'N 01°39.323'E | 1x Bundle Cut         | June - Sept 2018 |
| Leadon South Towhead     | 9/14a | 59°32.562'N 01°39.495'E | 1x Bundle Cut         | June - Sept 2018 |
| Leadon Midline Structure | 9/14a | 59°33.708'N 01°39.403'E | 4x Bundle Cuts        | June - Sept 2018 |
| Leadon Midline Structure | 9/14a | 59°33.708'N 01°39.403'E | Towhead Recovery      | June - Sept 2018 |
| Leadon South Towhead     | 9/14a | 59°32.562'N 01°39.495'E | Towhead Recovery      | June - Sept 2018 |
| Leadon North Towhead     | 9/14a | 59°34.708'N 01°39.323'E | 4x Xmas Tree Recovery | June - Sept 2018 |

For further information: Steph Kiltie, PDI Ltd, Tel +44(0)1224 562 193 email [steph.kiltie@pdi-ltd.com](mailto:steph.kiltie@pdi-ltd.com)

**Tormore, Laggan, Edradour, PLEM, Glenlivet** – ROV Intervention

**The The ROVSV Skandi Carla (call sign: C6RX4) will be carrying out ROV intervention activities in UKCS Block 205/5a, 206/1a, 206/3d and 214/30a between June 4th until June 20th approximately, within the following 500m safety zones**



|               |              |                           |
|---------------|--------------|---------------------------|
| Glenlivet     | UKCS 214/30a | 61° 04.60' N 02° 05.42' W |
| Edradour PLEM | UKCS 206/3d  | 60° 54.66' N 02° 32.26' W |
| Laggan        | UKCS 206/1a  | 60° 56.67' N 02° 53.62' W |
| Tormore       | UKCS 205/5a  | 60° 52.28' N 03° 08.23' W |

Some activities will take place outside any 500m safety zone, with restricted manoeuvrability Edradour CEM  
UKCS 206/4a 60° 55.47' N 02° 15.28' W

Please exercise caution in this area.

For further information: David Colliard, Total E&P UK Limited, Tel: 01224 298172 email: [david.colliard@total.com](mailto:david.colliard@total.com)

**Miller Field** – Miller Platform Decommissioning Activity

**The Miller jacket will be leaving the field location ~14th July which will leave behind the derogated jacket footings (20metres height).**

Position: 58°43.304'N 001°24.005'E



For further information: Alistair Bridges, Petrofac Facilities Management Ltd, +44(0)1224 345425 [alistair.bridges2@petrofac.com](mailto:alistair.bridges2@petrofac.com)

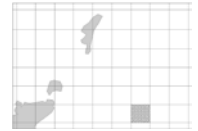
## Seabed Activity

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## Telford Field – Flexible Pipeline installation and associated works

**Nexen Petroleum intends to undertake pipeline works in the Telford Field area, commencing 22nd June 2018.**

The works include the installation of two flexible pipelines, ~2.5km and 2.0km respectively, and tie-in spools between the Central Telford Manifold and the Marmion/West Tee, and the Marmion/West Tee and Scott Platform. A small valve skid will also be installed at the Marmion/West Tee.



Vessel activity in the area is as follows:

| Operations                            | Vessel       | Mobilisation | In Telford Field    |
|---------------------------------------|--------------|--------------|---------------------|
| Flexible Lay                          | Seven Arctic | 25/06/18     | 28/06/18 – 02/07/18 |
| Rock Dumping                          | Simon Stevin | 05/07/18     | 07/07/18 – 13/07/18 |
| Spools & Valve Skid Install & Tie-Ins | Seven Falcon | 13/07/18     | 14/07/18 – 30/07/18 |

Key coordinates:

| Field Location                   | Location                 |
|----------------------------------|--------------------------|
| Scott Field - Platform           | 58°17.360'N 000°12.134'E |
| Central Telford Field - Manifold | 58°13.071'N 000°14.962'E |
| Marmion/West Telford Field - Tee | 58°14.300'N 000°12.522'E |
| Proposed DBB Valve Skid          | 58°14.300'N 000°12.506'E |

For further information: Scott Turner, Nexen Petroleum UK Ltd, +44(0)7818 436003

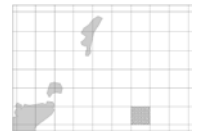
## Seabed Activity

First Published: 31 May 2018 | Latest Update: 31 May 2018

## Balmoral Area – Well Intervention

**Premier Oil UK will commence well intervention work in June 2018 on the Balmoral Oil and Gas Field in the Central North Sea (Block 16/21). The work involves the intervention of a number of wells at the following locations:**

Vessel: Seawell Schedule: 15th June – 14th August 2018



Key coordinates:

| Well Number | Location                 |
|-------------|--------------------------|
| 16/21b-4A   | 58°12.666'N 001°10.567'E |
| 16/21a-16   | 58°13.711'N 001°08.965'E |
| 16/21a-17z  | 58°10.355'N 001°02.445'E |
| 16/21a-26z  | 58°10.732'N 001°01.144'E |

For further information: Mike Swankie, Premier Oil, Tel +44 (0) 1224 618965, [mSwankie@premier-oil.com](mailto:mSwankie@premier-oil.com)

## Seabed Activity

First Published: 07 May 2018 | Latest Update: 21 May 2018

## Bentley Field Well Abandonment – Wells 9/03b-6Z and 9/03b-7 &amp; 7Z

**The CSV Normand Clipper will be mobilising to the Bentley Field to fully plug & abandonment the suspended wells 9/03b-6Z and 9/03b-7 & 7Z. The work involves the placement of a cement plug and removal and recovery of the well heads and protection structures leaving a clean seabed on completion.**

The work is planned to commence on the 23rd May 2018 for a period of up to 9 days. The operations will be undertaken from the CSV Normand Clipper.



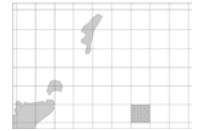
The co-ordinates for the operations are listed below:

|                  | Coordinates              |
|------------------|--------------------------|
| Well 9/03b-7& 7Z | 59°56.062'N 001°33.000'E |
| Well 9/03b-6Z    | 61°11.713'N 000°43.567'E |

For further information: Sarah Kirkwood, Whalsay Energy Ltd, Tel: +44 1224 619246, Email: [sarah.kirkwood@whalsayenergy.com](mailto:sarah.kirkwood@whalsayenergy.com)

## Utgard Field – Development Activity

Equinor and its licence partners will soon start development of the Utgard offshore gas condensate field, which is a trans-boundary field located in the central North Sea in Block 15/8 of the NCS and Block 16/18a of the UKCS. The development will be by means of two or possibly three wells drilled through a 4-slot template located on the NCS approximately 450 metres to the east of the median line.



The template is of an over-trawlable design to minimise any potential harm to fishing activities. In addition, drilling activities are scheduled at this location for the period between 1st August and 15th November 2018. Further details will be provided once available.

Installation of the template is scheduled to commence around the 28th May and continue through to 15th June 2018 and the operations will be undertaken from the Seven Arctic CSV.

The co-ordinates for the operations are listed below:

| Well/Template | Coordinates              |
|---------------|--------------------------|
|               | 58°21.967'N 001°32.933'E |

For further information: Euan Simpson, Equinor (Production) UK Limited, tel: 07557 161705, email: [eusi@equinor.com](mailto:eusi@equinor.com)

## Lancaster Field – Well Intervention Operations

Well intervention operations are being undertaken in the Lancaster field to the west of Shetland.



| Well                 | Coordinates             |
|----------------------|-------------------------|
| Lancaster 205/21a-6  | 60°12.000'N 03°51.757'W |
| Lancaster 205/21a-7Z | 60°11.995'N 03°51.731'W |

1. Firstly, Petrofac informs of operations to be undertaken by the Transocean Paul B Loyd Jr (PBLJ) anchored semi-submersible drilling rig. Operations are currently expected to commence on 14th April 2018 and expected to last approximately 60 days.
2. Secondly, Bluewater and Hurricane informs of further works will also be undertaken by the Normand Installer and the Viking Neptune, lasting until October 2018. These operations will start with the installation of an FPSO mooring system, with activities involving the wet storage of mooring equipment, the installation of mooring piles, tensioning of mooring lines and tie in of a mooring buoy.

These operations will all be centred around the future FPSO location (60°10.794'N, 003°52.196'W), extending up to 1.3 km from this position. Activities will be concentrated on three mooring clusters, positioned to the north (60°11.393'N, 003°52.537'W), east (60°10.641'N, 003°50.991'W) and southwest (60°10.291'N, 003°53.179'W) of the FPSO locations.

For further information: Mark Ryan, Petrofac, Tel: +44(0)1224 247000 email: [mark.ryan@petrofac.com](mailto:mark.ryan@petrofac.com) and Kirsty McWilliam Lancaster EPS, M +44 7956 019208, Email: [Kirsty.McWilliam@hurricaneenergy.com](mailto:Kirsty.McWilliam@hurricaneenergy.com)

## Diving Activities – Ellon, Forvie, Grant, Islay, Jura

The DSV Seven Pelican (call sign: C6RE7) will be carrying out diving activities in UKCS Block 3/15 between May 28th until June 30th approximately, within the following 500m safety zones.



|                        |                  |              |              |
|------------------------|------------------|--------------|--------------|
| Islay                  | UKCS Block 3/15a | 60° 33.47' N | 01° 56.69' E |
| Jura                   | UKCS Block 3/15a | 60° 32.66' N | 01° 54.07' E |
| Ellon & Grant          | UKCS Block 3/15b | 60° 35.88' N | 01° 48.44' E |
| Forvie North Xmas Tree | UKCS Block 3/15c | 60° 30.74' N | 01° 50.12' E |
| Forvie North Manifold  | UKCS Block 3/15d | 60° 31.41' N | 01° 52.13' E |

For further information: David Colliard, Total E&P UK Limited, Tel: 01224 298172 email: [david.colliard@total.com](mailto:david.colliard@total.com)

**North Ninian – Decommissioning Activity**

The Ninian North platform ceased production in 2017. As part of the next phase of decommissioning, the platform is being down-manned and will become an unmanned installation from April 2018.

The Ninian North platform will remain unmanned until decommissioning / removal of the topsides in 2019. Existing NavAids (white & red lights, fog warning, radar) are being replaced by automatic units consisting of white lights only. Platform 500m exclusion zone is still in force and the ERRV remains on location in the Ninian Field.



The platform down-manning is taking place 26 April 2018, new NavAids will be in place from 22 April 2018. The platform will remain unmanned until decommissioning in 2019.

VOS Grace ERRV Grampian Contender ERRV

The co-ordinates for the operations are listed below:

|                       | <b>Coordinates</b>      |
|-----------------------|-------------------------|
| Ninian North platform | 60°54.333'N 01°25.172'E |

**For further information:** Ceri Wheaton, CNR International Ltd, Tel: +44 1224 303600 email: [Ceri.Wheaton@cnrl.com](mailto:Ceri.Wheaton@cnrl.com)

**Murchison – Decommissioning Activity**

Well intervention works are to be carried out at the Murchison wellhead 211/19-2, to fully plug & abandon the well.

Light Well Intervention Vessel (LWIV) at the suspended wellhead 211/19-2 to fully plug & abandon the well. The work includes the removal of the upper protective structure and recovery of the wellhead. The remaining sections of the space-frame & protective structure will be left on the seabed until 2019 decommissioning.



The work is planned to commence on 26 May 2018, for a period of up to 38 days. The operations will be undertaken from the following vessel: Helix Seawell LWIV

The co-ordinates for the operations are listed below:

|               | <b>Coordinates</b>      |
|---------------|-------------------------|
| Well 211/19-2 | 61°23.382'N 01°44.050'E |

**For further information:** Carolyn Toshney, CNR International Ltd, Tel: +44 1224 303600 email: [Carolyn.Toshney@cnrl.com](mailto:Carolyn.Toshney@cnrl.com)

**Toni/Thelma – Development & Diving Activity**

Well intervention works are to be carried out at the Toni and Thelma subsea drill centres, including diving activity.

Light Well Intervention Vessels (LWIV) will be carrying out work at the Toni manifolds, including installation of a new Xmas tree inside the structure; LWIV well workover at Thelma manifold; diving activity for the installation and testing of new flexible pipe between Toni production manifold and Toni/Thelma towhead, involving multiple DSV transits between Toni and Thelma locations, between 6km & 18km South of the Tiffany platform.



The Toni LWIV is scheduled for 4<sup>th</sup> to 21<sup>st</sup> May, Thelma LWIV from 19<sup>th</sup> to 26<sup>th</sup> May and DSV scope between 8<sup>th</sup> & 22<sup>nd</sup> May 2018. The operations will be undertaken from the following vessels: Well Enhancer LWIV. Helix Seawell LWIV. Bibby Topaz DSV

The co-ordinates for the operations are listed below:

|                               | <b>Coordinates</b>      |
|-------------------------------|-------------------------|
| Toni production manifold      | 58°25.966'N 01°17.081'E |
| Toni water injection manifold | 58°25.907'N 01°17.222'E |
| Toni/Thelma towhead           | 58°25.886'N 01°17.312'E |
| Thelma production manifold    | 58°22.435'N 01°18.530'E |

**For further information:** Carolyn Toshney, CNR International Ltd, Tel: +44 1224 303600 email: [Carolyn.Toshney@cnrl.com](mailto:Carolyn.Toshney@cnrl.com)



## Pelican Field Programme – Well Abandonment

TAQA Bratani is conducting well abandonment and drilling operations on a number of wells within the Pelican field.

Operations will be conducted by the Paragon MSS1 semi-submersible drilling rig, with operations expected to commence on March 1st and last for over a year. The rig will be anchored in a central location (61°02'00.705"N 1°07'45.057"E) and then skidded between wells as required.



The Paragon MSS1 is located in the Pelican field UKCS Block 211/26a, as per the details below.

| Well Number       | Location                 | Start / Finish      | Description of Work                                      |
|-------------------|--------------------------|---------------------|--|
| PU-p14            | 61°02.022'N 001°07.700'E | 01/03/18 – 28/06/18 | Abandon wellbore and drill sidetrack well. Run Xmas tree |
| PU-p16S1          | 61°02.046'N 001°07.724'E | 28/06/18 – 24/08/18 | Reservoir Abandonment. Remove existing Xmas tree         |
| PU-P15 & PU-P15S1 | 61°02.037'N 001°07.719'E | 24/08/18 – 10/10/18 | Reservoir Abandonment. Remove existing Xmas tree         |
| PU-P11            | 61°02.026'N 001°07.766'E | 10/10/18 – 09/11/18 | Reservoir Abandonment. Remove existing Xmas tree         |
| PU-P21            | 61°01.997'N 001°07.729'E | 09/11/18 – 08/12/18 | Reservoir Abandonment. Remove existing Xmas tree         |
| PU-P10BS2         | 61°01.984'N 001°07.740'E | 08/12/18 – 28/01/19 | Reservoir Abandonment. Remove existing Xmas tree         |
| PU-P12            | 61°02.017'N 001°07.760'E | 28/01/19 – 26/02/19 | Reservoir Abandonment. Remove existing Xmas tree         |

For further information: Peter Mayo, TAQA Bratani, Tel: 01224 275556, email: [Peter.Mayo@taqaglobal.com](mailto:Peter.Mayo@taqaglobal.com)

## Notice to Fishermen

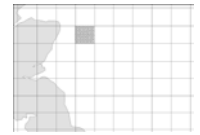
First Published: 31 May 2018 | Latest Update: 31 May 2018

## Fishing Hazard – Sunken Buoy with heavy Weight and Anchor



Sunken buoy with heavy weight and anchor – this has been snagged and dropped to the seabed (with the skipper having to cut half his net away)

Position: 57°00.668'N 000°05.671'W



For further information: Raymond Hall, SFF, Tel: 01224 646944 email: [R.Hall@sff.co.uk](mailto:R.Hall@sff.co.uk)

## Notice to Fishermen

First Published: 22 February 2018 | Latest Update: 08 March 2018

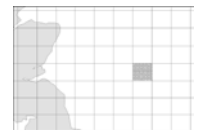
## Fishing Hazard – 15mt Buoy



A 15 mt Buoy from mooring line 3 appears to have Dextron fiber grommets that failed, those grommets two of them were secured to the fiber mooring line in the main mooring system of the rig. A 85 ton shackle can be seen on the bottom end of the buoy.

56°23.735'N 02°15.315'E

The purpose of the buoy was to support the mooring rope above the subsea assets. It has been confirmed that all mooring are still fully in tack and service provider of mooring analysis confirmed that with the buoy not supporting the upper end of the fiber mooring line there should be no contact with any assets.



For further information: Erwin C Guidry, Ocean Valiant, Tel: +44 1224 501 435 email: [valiant\\_oim@dodi.com](mailto:valiant_oim@dodi.com)

## Seabed Activity

First Published: 31 May 2018 | Latest Update: 31 May 2018

## 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 Janice FPU and its associated moorings and anchors were towed/recovered in Q3 2016. With flexible products, structures and mattresses recovered throughout 2017 by the Maersk Master and Maersk Achiever AHTS.

2018 Decommissioning works at Janice, James and Affleck will take place in July and August, with the Maersk Inventor CSV arriving in field to complete the below workscope:

- Pile Cutting at Janice Oil Export SSIV;
- Recovery of Janice Oil Export SSIV;
- Cutting & Recovery of ~120m of Janice Oil Export Pipeline/Spools;
- Recovery of 4x Mid-Water Arch Clumpweight Ballast Blocks;
- Recovery of 2x Mid-Water Arch Clumpweight Base Frames;
- Recovery of 1x Water Injection Manifold;
- Debris Clearance @ Janice, James & Affleck (mattress recovery etc.).

The remaining subsea infrastructure will be decommissioned during future offshore campaigns in accordance with the approved Decommissioning Programme.



| Facility / Installation          | Block  | Coordinates             | Activity                                | Schedule         |
|----------------------------------|--------|-------------------------|---|------------------|
| Janice 'A' FPU                   | 30/17a | 56°23.876'N 02°15.004'E | Pile Cutting & Oil Export SSIV Recovery | June - Sept 2018 |
| Janice Drill Centre (500m zone)  | 30/17a | 56°23.706'N 02°15.316'E | Janice WI Manifold Recovery             | June - Sept 2018 |
| Janice 'A' FPU Site              | 30/17a | 56°23.876'N 02°15.004'E | Debris Clearance                        | June - Sept 2018 |
| Janice Drill Centre (500m zone)  | 30/17a | 56°23.706'N 02°15.316'E | Debris Clearance                        | June - Sept 2018 |
| Janice Drill Centre (500m zone)  | 30/17a | 56°23.706'N 02°15.316'E | MWA Clumpweight Recovery                | June - Sept 2018 |
| James Drill Centre (500m Zone)   | 30/17a | 56°21.485'N 02°18.835'E | Debris Clearance                        | June - Sept 2018 |
| Affleck Drill Centre (500m Zone) | 30/19a | 56°26.552'N 02°42.077'E | Debris Clearance                        | June - Sept 2018 |

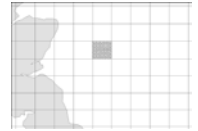
A summary of the upcoming activities is as follows:

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

**Catcher Area – Development Project**

**Subsea construction activities on behalf of Premier Oil UK Limited on the Catcher Area Development (including the Catcher, Burgman and Varadero fields) located in block 28/9a of the UKCS 56°46.200'N 00°42.783'E**

The FPSO BW Catcher is now in position and connected to the Submerged Turret Production Buoy and Moorings (turret centre 56°46.207'N and 00°42.765'E). The ERRV / Standby Vessel VOS Famous is monitoring the Catcher Area developments 500m safety zone throughout operations.



Three (3) x 3.5km pipeline bundles have been installed on the seabed between the FPSO location and Drill Centres locations;

| Structure             | Coordinates             |
|-----------------------|-------------------------|
| Catcher Drill Centre  | 56°46.298'N 00°46.277'E |
| Varadero Drill Centre | 56°48.356'N 00°42.300'E |
| Burgman Drill Centre  | 56°44.567'N 00°40.623'E |

The FPSO and each drill centre has an approved HSE 500m safety zone in force.

**Subsea Activity**

The DSV Seven Falcon is scheduled to return to the Catcher field area early June and will be conducting diving operations around the Catcher Dill Centre location for a period of approximately one month.

**Spoil deposit**

There is a spoil deposit adjacent to the Curlew Deep Gas Diverter structure, 6.0m diameter and 2.5m high, located at 56°43.495N 01°42.944'E

**Drilling**

The ENSCO 100 drilling rig is currently located at the Catcher Drilling Template 2 (56°46.321'N & 00°46.296'E) through to the end of May 2018, when it will relocate to the Burgman field end of May / early June until the end of Q3 2018.

The shared ERRV / Standby Vessel VOS Famous is monitoring the drill rig's 500m safety zone throughout drilling operations.

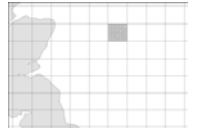
*For further information: Steve Quayle, Tel: 01224 914298 email: squayle@premier-oil.com*

## Seabed Activity

First Published: 31 May 2018 | Latest Update: 31 May 2018

**Lomond – Diving Activities**

**The DSV Subsea 7 Eagle will be carrying out diving activities on Chrysaor's 8-inch condensate pipeline which runs from the Lomond Platform to the CATS Riser Platform in UKCS Blocks 23/11a, 26/16b, 23/16d and 23/21a for a period of approximately 2 weeks starting 15th June 2018.**



The work will entail excavation around the pipe, removal of concrete coating and inspection of the pipe at a number of locations in preparation for hot tapping and tie-in works later in the summer.

The locations where the work will take place are as follows:

- between 57°17.215'N 002°10.672'E and 57°18.013'N 002°10.539'E
- between 57°23.821'N 002°08.254'E and 57°31.128'N 002°01.815'E

*For further information: Emily Eadington, Chrysaor, tel. +44 (0) 1224 086393, email Emily.Eadington@chrysaor.com*

## Seabed Activity

First Published: 31 May 2018 | Latest Update: 31 May 2018

**Elgin – ROV Intervention**

**The ROVSV Skandi Carla (call sign: C6RX4) will be carrying out ROV intervention activities in UKCS Block 22/30c between June 2nd until June 6th approximately, within the following 500m safety zone**



Elgin B WHP UKCS 22/30c 57° 00.72' N 01° 50.42' E

*For further information: David Colliard, Total E&P UK Limited, Tel: 01224 298172 email: david.colliard@total.com*

**Bacchus Field** – Well Intervention Operations

Apache North Sea plan to carry out a light well intervention operation in the Bacchus Field (Forties) from about mid-May to mid-June using the WELL ENHANCER. She is a DP Class 3 vessel and therefore will not be moored up.

**Coordinates**

57°45.035'N 01°04.895'E

The work will involve well intervention work with the vessel being connected to the Bacchus B2 (22/06c-B2) subsea well. She will therefore be unable to manoeuvre.

Underwater operations associated with the well intervention are planned to be supported by Remotely Operated Vehicles (ROVs). However, saturation divers will also be carried in case the ROVs are unable to carry out a particular task. The duration for the works is estimated to be in the order of 30 days

*For further information:* Rob MacPherson, Apache North Sea, Tel: 01224 505838 email: [Robert.macpherson@apachecorp.com](mailto:Robert.macpherson@apachecorp.com)

**Harrier Field** – Development Project

Ithaca Energy UK Ltd is currently developing the Harrier Field in Block 30/6A of the UK Continental Shelf.

Ithaca Energy advises that the Harrier infield pipeline construction activities shall commence between the Harrier Manifold and the FPF-1 in the Central North Sea North Sea from 05 April 2018 and continue through to June 2018.

There will be a number of vessels involved in this campaign, including pipelay, survey, trenching/backfilling and diving support related works. The vessels supporting this campaign are the following: Deep Energy, Normand Pioneer, EDT Hercules and North Sea Atlantic and Deep Explorer. The pipeline is 7.5km in length.



| Structure        | Coordinates             |
|------------------|-------------------------|
| Harrier Manifold | 56°43.562'N 02°05.249'E |
| FPF-1            | 56°43.845'N 02°06.542'E |

*For further information:* Keith Stewart, Ithaca Energy, Tel: 01224 652184, email: [kstewart@ithacaenergy.com](mailto:kstewart@ithacaenergy.com)

**Culzean Field – CATS T5**

Culzean Project hereby informs that they intend to carry out construction activities within the Culzean Field Development Area (Block 22/25A) and extending into other areas towards the CATS pipeline.



| Activity  | Vessel & Call Sign      | Date / Duration            |
|---|-------------------------|----------------------------|
| Tie-ins Spools Deployment   | Seven Arctic 2IDZ5      | 16 April for about 10 days |
| Tie-in of the spools<br>Barrier Testing Stella PLEM<br>Pin Piling SSIV & PLEM | Seven Atlantic<br>2CBP2 | 2 May for about 30 days    |

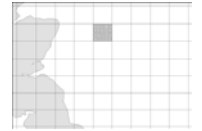
The above work will take place at the following locations:

| Location        | Coordinates              |
|-----------------|--------------------------|
| SSIV            | 57°11.463'N 001°54.730'E |
| Cond Riser Base | 57°11.684'N 001°57.602'E |
| Gas Riser Base  | 57°11.668'N 001°57.650'E |
| Midline Spool 1 | 57°10.067'N 001°56.422'E |
| Midline Spool 2 | 57°09.101'N 001°56.205'E |
| PLEM T5         | 57°01.762'N 001°12.193'E |

*For further information:* Sietze Akkerman, Tel: +44 (0) 1224 242461, Email: [sietze.akkerman@maerskoil.com](mailto:sietze.akkerman@maerskoil.com)

**Guillemot A Field** – Drilling Operations

Anasuria Operating Company (AOC) are planning to sidetrack an existing well in the Guillemot A field. Upon arriving in the field, the rig will be hooked up with 8 anchors which have been pre-laid. (See Anchor List)



The rig is expected to complete operations and leave the Guillemot A field around 16th July 2018. The rig anchors and chain will then be recovered from the seabed by two anchor handling vessels around 18th July 2018.

| Drilling Rig/Ship  | Installation / Well No | Position               | Start / Finish | Duration |
|--|------------------------|------------------------|----------------|----------|
| West Phoenix<br>3ETB9<br>SKandi Foula<br>LNJF3<br>VOS Hades<br>2HKV9 | Guillemot A Field      | 57°09.508'N 0°49.603'E | 16/05/2018     | 60 Days  |

**For further information:** Andrew Mellor, Anasuria Operating Company Ltd, Tel: +44 1224 976211, Email: [andrew.mellor@anasuria.co.uk](mailto:andrew.mellor@anasuria.co.uk)

## Notice to Fishermen

First Published: 15 May 2018 | Latest Update: 15 May 2018

## Fishing Hazard – Pipeline Span on Hewett to Bacton (PL21)



## Significant Pipeline Span on PL21 from Hewett to Bacton.

Size: Approx 37 metres long and 1 metre high.

Position: 53°01.482'N 001°43.673'E

For further information: John Entwistle Tel: 020 7344 6342 [John.Entwistle@eni.com](mailto:John.Entwistle@eni.com)

## Notice to Fishermen

First Published: 11 January 2018 | Latest Update: 19 April 2018

## Fishing Hazard – Pipeline Span Hewett Field PL1173



Please note that the stabilisation undertaken in January involved the placement of concrete mattresses which reduced the span lengths to below 10m length.

53°06.662'N 001°44.180'E to 53°06.654'N 001°44.198'E

53°06.668'N 001°44.165'E to 53°06.647'N 001°44.213'E

For further information: John Entwistle Tel: 020 7344 6342 [John.Entwistle@eni.com](mailto:John.Entwistle@eni.com)

## Seabed Activity

First Published: 19 April 2018 | Latest Update: 19 April 2018

## Chiswick Field – Drilling Operations

The Noble Hans Deul rig will be mobilising from Nigg to the following Chiswick field location on or around the 20th April 2018. The rig will be undertaking well workover and drilling activities and will be at that location for approximately 260 days.

| Drilling Rig/Ship | Installation / Well No | Position                 | Start / Finish | Duration |
|-------------------|------------------------|--------------------------|----------------|----------|
| Noble Hans Deul   | Chiswick Field         | 53°56.390'N 002°44.828'E | 20/04/2018     | 260 Days |

For further information: Lyndsay Arthur, Spirit Energy, Tel: +44(0) 1224 415 150 email: [lyndsay.aethur@spirit-energy.com](mailto:lyndsay.aethur@spirit-energy.com)

## Seabed Activity

First Published: 08 March 2018 | Latest Update: 08 March 2018

## Clipper – Pipeline Construction Works

Pipeline construction activities shall commence between the Clipper South and Clipper platforms in the Southern North Sea from 01 April 2018 and continue through to October 2018.

There will be a range of vessels involved in pipelay, survey, rockdump and diving support related works, including, but not limited to the following: Deep Energy, Normand Pioneer, EDT Hercules, Nordnes

|                        | Location                 |
|------------------------|--------------------------|
| Clipper South Platform | 53°24.224'N 001°46.968'E |
| Clipper Platform       | 53°27.480'N 001°43.922'E |

For further information: Phillip Jones, INEOS Oil and Gas UK, Tel: +44 (0) 203 935 5278 email: [phillip.jones@ineos.com](mailto:phillip.jones@ineos.com)

**Area 1 Rig List**

Latest Update: 25 May 2018

| MOVEMENT   | RIG                | POSITION              | MOVEMENT   | RIG               | POSITION              |
|------------|--------------------|-----------------------|------------|-------------------|-----------------------|
|            | Rowan Gorilla 7    | 58°01.70'N 01°42.90'E |            | Safe Scandinavia  | 60°41.90'N 02°55.90'E |
|            | EnSCO 80           | 58°08.90'N 03°01.20'W | <b>New</b> | Safe Caledonia    | 60°44.10'N 02°29.40'W |
|            | Maersk Integrator  | 58°34.30'N 01°41.80'E |            | West Hercules     | 60°49.10'N 04°09.20'W |
|            | COSL Innovator     | 58°48.50'N 02°16.10'E |            | Songa Endurance   | 60°49.90'N 03°36.10'E |
|            | Rowan Viking       | 58°50.60'N 02°14.90'E |            | Songa Equinox     | 60°52.00'N 03°33.40'E |
|            | Maersk Interceptor | 58°55.30'N 02°11.90'E | <b>New</b> | COSL Promoter     | 60°52.60'N 03°29.60'E |
|            | Deepsea Bergen     | 58°58.30'N 02°17.60'E | <b>New</b> | Stena Don         | 60°55.90'N 02°14.10'W |
|            | Safe Boreas        | 59°35.20'N 01°03.20'E |            | Ocean Guardian    | 60°56.70'N 01°33.80'E |
|            | Noble Lloyd Noble  | 59°35.40'N 01°03.40'E |            | Paragon MSS1      | 61°02.00'N 01°07.80'E |
| <b>New</b> | Paul B Loyd Jnr    | 60°12.10'N 03°51.70'W |            | Transocean Leader | 61°11.80'N 00°43.70'E |
| <b>New</b> | Deepsea Aberdeen   | 60°20.10'N 04°02.30'W |            | Transocean 712    | 61°19.40'N 01°32.10'E |
| <b>New</b> | Maersk Intrepid    | 60°30.30'N 02°00.90'E |            | Deepsea Atlantic  | 61°26.10'N 02°35.20'E |

**Area 2 Rig List**

Latest Update: 25 May 2018

| MOVEMENT   | RIG              | POSITION              | MOVEMENT   | RIG               | POSITION              |
|------------|------------------|-----------------------|------------|-------------------|-----------------------|
| <b>New</b> | Maersk Resilient | 55°32.20'N 05°01.90'E |            | Rowan Gorilla V   | 56°58.02'N 01°52.19'E |
|            | Maersk Guardian  | 55°43.30'N 04°48.10'E |            | Ocean Patriot     | 57°08.60'N 02°16.60'E |
|            | Noble Sam Turner | 55°48.20'N 04°33.60'E |            | Maersk Highlander | 57°11.70'N 01°54.80'E |
|            | Maersk Innovator | 56°22.60'N 03°15.50'E |            | COSL Pioneer      | 57°51.00'N 03°37.00'W |
|            | EnSCO 120        | 56°43.50'N 02°12.50'E | <b>New</b> | Stena Spey        | 57°55.30'N 00°54.10'W |
|            | EnSCO 100        | 56°46.40'N 00°46.40'E |            |                   |                       |

**Area 3 Rig List**

Latest Update: 25 May 2018

| MOVEMENT   | RIG                | POSITION              | MOVEMENT   | RIG             | POSITION              |
|------------|--------------------|-----------------------|------------|-----------------|-----------------------|
|            | Seafox 4           | 53°04.60'N 02°11.10'E |            | Paragon B391    | 53°50.50'N 02°52.10'E |
|            | Paragon C20051     | 53°07.40'N 02°25.50'E | <b>New</b> | Noble Hans Deul | 53°56.40'N 02°44.80'E |
|            | EnSCO 72           | 53°08.40'N 03°02.60'E | <b>New</b> | Seafox 2        | 54°04.40'N 00°54.90'E |
|            | 590021             | 53°14.00'N 03°14.50'E | <b>New</b> | Maersk Resolve  | 54°08.30'N 04°22.80'E |
|            | EnSCO 122          | 53°14.40'N 04°05.00'E |            | EnSCO 92        | 54°12.20'N 02°27.10'E |
| <b>New</b> | Seajacks Leviathan | 53°19.00'N 02°05.70'E |            | EnSCO 121       | 54°35.70'N 00°26.00'E |
| <b>New</b> | Prospector 1       | 53°28.40'N 04°29.40'E |            | EnSCO 101       | 54°36.00'N 02°11.80'E |
|            | Seafox 1           | 53°42.20'N 01°09.00'E |            |                 |                       |

**Area 5 Rig List**

Latest Update: 25 May 2018

| MOVEMENT | RIG               | POSITION              | MOVEMENT | RIG           | POSITION              |
|----------|-------------------|-----------------------|----------|---------------|-----------------------|
|          | Irish Sea Pioneer | 53°32.20'N 03°34.80'W |          | GMS Endurance | 53°53.50'N 03°37.50'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.

### Pre-Laid Anchors – Clair Ridge Field

BP wish to advise that the Safe Caledonia Floatel has arrived alongside Clair Ridge Platform. The table below confirms the anchor positions within the field which were sent through on 10/05/18 – all the surface buoys have been recovered and the anchors connected to the rig.

| Anchor No. | Anchor Position         | Comments         |
|------------|-------------------------|------------------|
| Rig        | 60°44.171'N 02°29.932'W |                  |
| 1          | 60°43.623'N 02°32.863'W | N/A              |
| 2          | 60°44.121'N 02°33.082'W | N/A              |
| 3          | 60°45.445'N 02°31.727'W | N/A              |
| 4          | 60°45.456'N 02°30.689'W | N/A              |
| 5          | 60°44.796'N 02°27.801'W | N/A              |
| 5A         | 60°44.851'N 02°27.586'W | Piggyback anchor |
| 6          | 60°44.597'N 02°27.658'W | N/A              |
| 7          | 60°43.076'N 02°29.170'W | N/A              |
| 8          | 60°43.000'N 02°29.749'W | N/A              |
| 9          | 60°43.320'N 02°32.032'W | N/A              |
| 9A         | 60°43.237'N 02°32.206'W | Piggyback anchor |
| 9B         | 60°43.169'N 02°32.356'W | Piggyback anchor |
| 10         | 60°45.468'N 02°29.800'W | N/A              |

### Deepsea Aberdeen - Schiehallion West Drill Centre– Anchor Laid Down

The rig is currently operating on DP and is not connected to any anchors

| Anchor No. | Position                | Lay-down Pennant        | Chain End               |
|------------|-------------------------|-------------------------|-------------------------|
| Rig        |                         |                         |                         |
| 1          | 60°19.267'N 04°09.177'W | 60°19.335'N 04°07.655'W | 60°19.568'N 04°07.782'W |
| 4          | 60°21.127'N 04°04.926'W | 60°21.019'N 04°05.250'W | 60°20.891'N 04°05.185'W |
| 5          | 60°20.420'N 04°03.692'W | 60°20.184'N 04°04.805'W | 60°20.302'N 04°04.241'W |
| 8          | 60°18.407'N 04°07.402'W | 60°19.156'N 04°06.778'W | 60°19.108'N 04°06.844'W |

### Schiehallion North West Drill Centre- Anchor Laid Down

| Anchor No. | Position                | Chain End               |
|------------|-------------------------|-------------------------|
| 5          | 60°23.344'N 04°04.001'W | 60°23.212'N 04°04.641'W |
| 6          | 60°22.413'N 04°04.079'W | 60°22.552'N 04°04.656'W |

### Schiehallion Central – Anchor Pre-Laid

| Anchor No. | Position                | Surface Buoy            |
|------------|-------------------------|-------------------------|
| Rig        | 60°20.029'N 04°02.522'W |                         |
| 1          | 60°19.611'N 04°05.485'W | 60°19.813'N 04°04.136'W |
| 2          | 60°20.644'N 04°04.774'W | 60°20.438'N 04°03.949'W |
| 3          | 60°21.335'N 04°03.099'W | 60°21.049'N 04°02.940'W |
| 4          | 60°21.435'N 04°00.944'W | 60°20.769'N 04°01.662'W |
| 5          | 60°20.450'N 03°59.365'W | 60°20.254'N 04°00.834'W |
| 6          | 60°19.266'N 03°59.680'W | 60°19.651'N 04°00.988'W |
| 7          | 60°18.493'N 04°01.641'W | 60°19.226'N 04°02.001'W |
| 8          | 60°18.624'N 04°04.036'W | 60°19.277'N 04°03.276'W |

All other anchors within the Schiehallion field have been recovered.

### – As Laid at Kraken DC4

| Anchor No. | Anchor Position       | Chain End (Estimated) | Chain Pennant End     | Anchor Pennant End    |
|------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1          | 59°56.66'N 01°14.79'E | 59°56.41'N 01°14.67'E | 59°56.36'N 01°14.44'E | 59°56.68'N 01°14.97'E |
| 2          | 59°56.47'N 01°15.99'E | 59°56.23'N 01°15.79'E | 59°56.12'N 01°15.89'E | 59°56.53'N 01°15.88'E |
| 3          | 59°55.96'N 01°16.58'E | 59°55.84'N 01°16.11'E | 59°55.71'N 01°16.04'E | 59°56.06'N 01°16.57'E |
| 4          | 59°55.45'N 01°16.18'E | 59°55.84'N 01°15.47'E | 59°55.94'N 01°15.56'E | 59°55.51'N 01°16.30'E |
| 5          | 59°55.22'N 01°15.22'E | 59°55.58'N 01°15.39'E | 59°56.03'N 01°15.45'E | 59°55.20'N 01°15.04'E |
| 6          | 59°55.27'N 01°14.04'E | 59°55.53'N 01°14.23'E | 59°55.55'N 01°14.07'E | 59°55.18'N 01°13.90'E |
| 7          | 59°55.80'N 01°13.43'E | 59°55.74'N 01°13.95'E | 59°55.63'N 01°14.05'E | 59°55.79'N 01°13.26'E |
| 8          | 59°56.37'N 01°13.72'E | 59°56.15'N 01°13.98'E | 59°56.02'N 01°13.88'E | 59°56.44'N 01°13.55'E |



## Transocean 712 – At Osprey

| Anchor No. | Position                 | Anchor No. | Position                 | Anchor No. | Position                 |
|------------|--------------------------|------------|--------------------------|------------|--------------------------|
| Rig        | 61°19.400'N 001°32.100'E | 3          | 61°20.113'N 001°33.270'E | 6          | 61°18.074'N 001°33.551'E |
| 1          | 61°19.792'N 001°31.340'E | 4          | 61°19.700'N 001°33.985'E | 7          | 61°18.656'N 001°31.970'E |
| 2          | 61°20.112'N 001°32.162'E | 5          | 61°19.080'N 001°34.219'E | 8          | 61°19.210'N 001°31.331'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 |

## 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 |

## West Pheonix - Anasuria Cluster – Guillemot A Field – Pre-laying Anchors

Anasuria Operating Company (AOC) are planning to sidetrack an existing well in the Guillemot A field. Prior to mobilising the drilling rig, AOC are planning to pre-lay 8 anchors in the field. The anchors will be deployed in the proposed position and tensioned up to 150MT. Two anchor handling vessels will be mobilising to the field on 2<sup>nd</sup> May 2018 (at the earliest) with the vessel due on location around the 4<sup>th</sup> May 2018. The total anchor pre-laying operation is expected to take around 2 days from the date of the vessel arriving in location.

| Anchor No. | Anchor Position        | Laydown Pennant        | Anchor Position | Laydown Pennant        |
|------------|------------------------|------------------------|-----------------|------------------------|
| 1          | 57°09.508'N 0°49.603'E | 57°09.782'N 0°49.444'E | 5               | 57°10.633'N 0°49.801'E |
| 2          | 57°09.695'N 0°48.986'E | 57°09.949'N 0°49.228'E | 6               | 57°10.409'N 0°50.321'E |
| 3          | 57°10.031'N 0°48.729'E | 57°10.118'N 0°49.346'E | 7               | 57°10.014'N 0°50.599'E |
| 4          | 57°10.458'N 0°48.882'E | 57°10.399'N 0°49.155'E | 8               | 57°09.643'N 0°50.321'E |

## COSL Pioneer – At Blackbird

| Anchor No. | Position                | Anchor No. | Position                | Anchor No. | Position                |
|------------|-------------------------|------------|-------------------------|------------|-------------------------|
| Rig        | 57°50.083'N 00°37.677'W | 3          | 57°50.324'N 00°35.977'W | 6          | 57°49.176'N 00°38.128'W |
| 1          | 57°51.096'N 00°38.171'W | 4          | 57°49.847'N 00°35.972'W | 7          | 57°49.813'N 00°39.571'W |
| 2          | 57°51.116'N 00°37.369'W | 5          | 57°49.174'N 00°37.234'W | 8          | 57°50.431'N 00°39.527'W |

## Blackbird - 20/2a-9

| Anchor No. | Position                | Anchor No. | Position | Anchor No. | Position |
|------------|-------------------------|------------|----------|------------|----------|
| 6          | 57°50.052'N 00°37.523'W |            |          |            |          |

## PBLJ – At Shaw CG Well – As Laid

| Anchor No. | Position                 | Anchor No. | Position                 | Anchor No. | Position                 |
|------------|--------------------------|------------|--------------------------|------------|--------------------------|
| Rig        | 57°17.360'N 001°22.280'E | 3          | 57°17.460'N 001°23.710'E | 6          | 57°16.720'N 001°21.460'E |
| 1          | 57°18.360'N 001°22.330'E | 4          | 57°16.970'N 001°23.310'E | 7          | 57°17.220'N 001°20.570'E |
| 2          | 57°18.020'N 001°23.120'E | 5          | 57°16.580'N 001°22.500'E | 8          | 57°17.960'N 001°20.390'E |

## Culzean – Culzean FSO Anchors

| Anchor No. | Anchor Position          | Chain End                | Anchor Position | Chain End                |
|------------|--------------------------|--------------------------|-----------------|--------------------------|
|            |                          |                          | 7               | 57°11.068'N 001°58.558'E |
| 1          | 57°11.723'N 001°56.154'E | 57°11.723'N 001°56.325'E | 8               | 57°11.096'N 001°58.621'E |
| 2          | 57°11.681'N 001°56.149'E | 57°11.685'N 001°56.321'E | 9               | 57°12.444'N 001°58.413'E |
| 3          | 57°11.636'N 001°56.153'E | 57°11.647'N 001°56.323'E | 10              | 57°12.464'N 001°58.343'E |
| 4          | 57°11.594'N 001°56.167'E | 57°11.611'N 001°56.336'E | 11              | 57°12.483'N 001°58.271'E |
| 5          | 57°11.021'N 001°58.423'E | 57°11.103'N 001°58.341'E | 12              | 57°12.500'N 001°58.195'E |
| 6          | 57°11.039'N 001°58.495'E | 57°11.117'N 001°58.404'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 |

## Area 1

## Survey List

Latest Update: 31 May 2018

| Company & Vessels  | Towed Cable Length & Depth               | Area Covered 1 (inc Quod Blocks)   | Area Covered 2 (inc Quod Blocks)   | Duration                                |
|--|--|--|--|---|
| Atlantic Guardian LAEU6                                      | 1 x 1x m<br>6-700Kg<br>each<br>115 Nodes | 59°26.800'N 001°48.000'N<br>59°23.000'N 001°56.500'N<br>59°12.900'N 001°49.600'N<br>59°14.100'N 001°43.200'N<br>59°17.100'N 001°38.000'N<br>59°25.200'N 001°38.000'N<br>59°27.300'N 001°44.300'N   |  | 03/06/2018 - 20/06/2018                 |
| Fairfield Nodal<br>Ocean Pearl - C6ZW4<br>Sanco Star - ZDIT8 |  | 58°04.564'N 001°05.249'W<br>57°51.563'N 000°44.902'W<br>57°51.907'N 001°05.921'W<br>58°04.218'N 000°44.106'W   | 13; 14; 19; 20   | 12/06/2018 - 31/12/2018<br>For 60 Days  |
| BP Exploration<br>Fugro Venturer<br>C6CG3                    | Autonomous<br>Underwater<br>Vehicle      | 60°20.796'N 04°23.011'W<br>60°20.741'N 04°18.411'W<br>60°16.852'N 04°16.009'W<br>60°15.750'N 04°18.380'W<br>60°16.037'N 04°23.677'W<br>60°16.890'N 04°25.291'W<br>60°19.834'N 04°25.077'W  | Q204/19, Q204/23, Q204/24  | 01/06/18 - 30/06/18<br>For 4 days       |
| BP Exploration<br>Fugro Venturer<br>C6CG3                    | Autonomous<br>Underwater<br>Vehicle      | 60°22.404'N 04°17.063'W<br>60°24.998'N 04°11.457'W<br>60°22.220'N 04°06.224'W<br>60°19.630'N 04°11.829'W   | Q204/19, Q204/20, Q204/24,<br>Q204/25  | 01/06/18 - 30/06/18<br>For 3 days       |
| Fugro GB (North) Marine Ltd<br>MV Fugro Venturer<br>C6CG3    |  | 58°28.100'N 001°09.766'W<br>58°28.232'N 001°05.663'W<br>58°25.950'N 001°09.512'W<br>58°26.082'N 001°05.412'W   | 13   | 01/06/2018 - 31/07/2018<br>For 4 Days   |
| DeepOcean<br>Eda Flora - LAJW3<br>MV Fugro Synergy<br>C6XR3  |  | 59°54.516'N 001°59.911'E<br>59°54.547'N 002°04.582'E<br>59°51.091'N 002°04.678'E<br>59°51.057'N 002°00.018'E   | 10   | 01/06/2018 - 31/10/2018<br>For 5 Days   |
| Fugro<br>Fugro Venturer<br>C6CG3                             |  | 60°22.404'N 004°17.063'W<br>60°24.998'N 004°11.457'W<br>60°22.220'N 004°06.224'W<br>60°19.630'N 004°11.829'W   | 204  | 29/05/2018 - 30/08/2018<br>For 16 Days  |
| Fugro<br>Fugro Venturer<br>C6CG3                             |  | 60°20.802'N 004°22.803'E<br>60°20.748'N 004°18.203'E<br>60°16.859'N 004°15.801'E<br>60°15.756'N 004°18.172'E<br>60°16.044'N 004°23.469'E<br>60°16.897'N 004°25.083'E<br>60°19.840'N 004°24.868'E   | 204  | 28/05/2018 - 28/07/2018<br>For 3 Days   |
| Fugro Survey Ltd<br>M/V Fugro Galaxy<br>C6YY4                | 1300m<br>3m                              | 61°41.401'N 001°26.852'E<br>61°41.352'N 001°31.387'E<br>61°39.198'N 001°31.281'E<br>61°39.247'N 001°26.751'E<br>61°40.094'N 001°27.058'E<br>61°40.045'N 001°31.590'E<br>61°37.891'N 001°31.484'E<br>61°37.940'N 001°26.961'E<br>61°38.887'N 001°27.417'E<br>61°38.838'N 001°31.946'E<br>61°36.684'N 001°31.839'E<br>61°36.734'N 001°27.316'E<br>61°38.128'N 001°31.420'E   | 61°37.348'N 001°35.639'E<br>61°35.340'N 001°33.999'E<br>61°36.120'N 001°29.784'E<br>61°34.933'N 001°34.129'E<br>61°34.879'N 001°38.647'E<br>61°32.726'N 001°38.533'E<br>61°32.779'N 001°34.020'E<br>61°32.939'N 001°37.340'E<br>61°32.885'N 001°41.854'E<br>61°30.731'N 001°41.736'E<br>61°30.786'N 001°37.228'E | 14/05/2018 - 31/08/2018<br>For 24 Days  |
| PGS Exploration (UK) Ltd<br>Sanco Swift<br>ZDKY8             |  | 58°17.782'N 000°53.551'W<br>58°18.108'N 003°03.168'W<br>58°33.186'N 003°02.017'W<br>58°40.021'N 002°45.247'W<br>58°42.237'N 002°32.856'W<br>58°42.175'N 000°53.849'W<br>58°02.393'N 000°59.954'W<br>57°41.644'N 001°55.428'W<br>57°42.549'N 002°06.672'W<br>57°41.149'N 002°11.383'W<br>57°42.517'N 002°19.913'W<br>57°41.502'N 002°22.381'W<br>57°47.869'N 003°03.079'W<br>57°49.636'N 003°04.084'W<br>58°00.417'N 003°03.956'W<br>58°08.553'N 002°42.076'W<br>58°11.575'N 002°41.835'W<br>58°28.037'N 001°55.431'W | 11, 12, 13, 14, 17, 18, 19   | 14/05/2018 - 31/10/2018<br>For 110 Days |
| Ocean Vantage<br>Gardline                                    |  | 2 Deep Borehole Surveys<br>1. 58°45.807'N 001°12.838'E<br>2. 58°47.874'N 001°08.027'E  |  | 13/05/2018 - 31/05/2018                 |

|  |              |  |                    |   |
|--|--------------|--|--------------------|---|
| Gardline Geosurvey Ltd<br>MV Ocean Vantage<br>HP6188                         |              | 58°47.633'N 000°12.424'E<br>58°45.924'N 001°12.926'E   | 16                 | 05/05/2018 - 30/06/2018<br>For 2 Days   |
| Fugro Survey Ltd<br>M/V Fugro Galaxy<br>C6YY4                                | 230m<br>1m   | 61°36.364'N 001°30.149'E<br>61°36.300'N 001°35.802'E<br>61°33.608'N 001°35.664'E<br>61°33.672'N 001°30.019'E   | 211                | 01/05/2018 - 31/08/2018<br>For 7 Days   |
| Schlumberger<br>TBA  |              | 61°29.653'N 001°45.383'W   | 208                | 01/05/2018 - 31/12/2018<br>For 0.5 Days |
| EMGS ASA<br>Atlantic Guardian<br>LAEU6                                       |              | 59°39.787'N 001°09.017'E<br>59°36.719'N 001°54.144'E<br>59°32.964'N 001°51.890'E<br>59°19.964'N 001°04.142'E<br>59°17.366'N 001°42.602'E<br>58°56.604'N 001°37.013'E<br>58°56.758'N 001°27.406'E   |                    | 01/05/2018 - 30/06/2018<br>For 20 Days  |
| PGS Exploration (UK) Ltd<br>Sanco Swift<br>ZDKY8                             |              | 58°09.546'N 000°30.880'W<br>58°09.546'N 000°30.651'W<br>58°09.965'N 000°30.651'W<br>58°09.974'N 000°24.873'E<br>57°50.163'N 000°24.905'E<br>57°46.106'N 000°24.017'W<br>57°46.047'N 000°34.267'W<br>57°57.650'N 000°34.291'W<br>57°58.497'N 000°31.022'W<br>58°09.169'N 000°31.069'W<br>58°09.546'N 000°30.880'W |                    | 01/05/2018 - 30/06/2018                 |
| TBC  |              | 58°15.633'N 000°12.424'E<br>58°13.520'N 000°13.387'E   |                    | 30/04/2018 - 31/07/2018<br>For 3 Days   |
| PGS Exploration (UK) Ltd<br>Sanco Swift<br>ZDKY8                             |              | 58°32.916'N 000°41.580'E<br>58°33.169'N 001°05.415'E<br>57°40.649'N 000°44.040'E<br>57°40.897'N 000°26.214'E<br>57°31.938'N 000°22.290'E<br>57°31.984'N 001°01.209'W<br>58°32.939'N 000°36.390'W<br>58°32.968'N 000°23.598'W<br>58°38.976'N 000°21.037'W<br>58°39.644'N 000°44.314'E                             | 14, 15, 16, 20, 21 | 15/04/2018 - 31/10/2018<br>For 152 Days |
| CGG Services S.A<br>Geo Coral<br>LACA8                                       | 8000m<br>18m | 58°19.373'N 000°05.168'E<br>58°19.595'N 000°20.234'E<br>57°46.735'N 000°21.042'E<br>57°46.570'N 000°03.973'E   | 14, 15, 20, 21     | 01/04/2018 - 30/09/2018<br>For 7 Days   |
| CGG Services S.A<br>TBA  | 8000m<br>18m | 60°55.944'N 000°54.803'E<br>60°56.716'N 002°03.420'E<br>60°23.225'N 002°09.819'E<br>60°22.435'N 000°56.952'E   | 2, 3               | 01/04/2018 - 30/09/2018<br>For 30 Days  |
| MG3 (Survey) UK Ltd<br>MV Poseidon<br>TFJC                                   |              | 61°14.474'N 000°43.133'E<br>61°11.312'N 000°46.700'E<br>61°10.283'N 000°42.780'E<br>61°13.444'N 000°39.209'E   |                    | 12/02/2018 - 31/05/2018<br>For 5 Days   |
| Gardline Geo survey Ltd<br>Ocean Observer<br>GHXX                            | 1200m<br>3m  | 58°22.861'N 000°51.280'E<br>58°22.705'N 000°57.451'E<br>58°21.448'N 001°04.546'E<br>58°18.610'N 000°58.378'E   | 15, 16             | 22/01/2018 - 30/06/2018<br>For 10 Days  |
| Gardline Geo survey Ltd<br>Ocean Kommandor<br>PBQW<br>Ocean Observer<br>GHXX | 1200m<br>3m  | 59°26.867'N 001°37.738'E<br>59°26.610'N 001°43.004'E<br>59°21.252'N 001°41.990'E<br>59°21.509'N 001°36.738'E   | 9                  | 21/03/2018 - 31/12/2018<br>For 2 Days   |

## Area 2 Survey List

Latest Update: 31 May 2018

| Company & Vessels   | Towed Cable Length & Depth | Area Covered 1 (inc Quod Blocks)   | Area Covered 2 (inc Quod Blocks) | Duration                               |
|---|----------------------------|--|----------------------------------|--|
| Shell UK Ltd<br>Nelson Field<br>Seismic vessel TBC  | 6000km<br>8m               | 57°43.6172'N 001°10.0100'E<br>57°42.0333'N 001°16.0775'E<br>57°38.7743'N 001°16.1187'E<br>57°34.8747'N 001°08.1812'E<br>57°39.1295'N 001°01.0230'E | 22                               | 15/05/2018 - 05/06/2018<br>For 20 Days |
| Shearwater GeoServices<br>M/V Polar - 5BJC3<br>Sanco Sky - ZDHW8<br>Glomar - HO4049<br>Harrier Explorer<br>3EIE3<br>Nordic Explorer C6TU3 | 6700m<br>8m                | 57°18.847'N 001°45.761'E<br>57°06.773'N 001°24.837'E<br>56°45.334'N 002°06.344'E<br>56°56.848'N 002°26.500'E<br>56°57.997'N 002°25.943'E           | 22; 23; 29; 30                   | 15/05/2018 - 07/07/2018<br>For 26 Days |
| Shearwater Geo Services<br>M/V Polar Duchess<br>5BJC3<br>Sanco Sky<br>ZDHW8<br>Glomar Avoir<br>HO4049<br>Nordic Explorer<br>C6TU3         | 6700m<br>5m                | 57°49.250'N 001°30.894'E<br>57°41.997'N 001°37.675'E<br>57°23.702'N 000°59.905'E<br>57°35.770'N 000°39.190'E<br>57°54.859'N 001°17.873'E           | 22                               | 15/05/2018 - 30/06/2018<br>For 26 Days |
| CGG<br>Geo Coral<br>LACA8<br>Geowave Caribbean<br>LADV8   | 15m<br>7m                  | 58°53.605'N 001°35.569'E   | 16                               | 01/05/2018 - 01/10/2018<br>For 1 Day   |
| Fugro Survey Ltd<br>Fugro Scout<br>3FYP4  |                            | 57°24.307'N 001°35.904'E   | 22                               | 01/05/2018 - 31/05/2018<br>For 2 Days  |
| Gardline Ltd<br>M/V Kommandor<br>MCJO2  |                            | 57°09.977'N 002°15.419'E<br>57°01.784'N 001°57.113'E   | 22, 23, 29, 30                   | 04/04/2018 - 15/07/2018<br>For 12 Days |

|   |             |  |                |  |
|---|-------------|--|----------------|--|
| Gardline Ltd<br>M/V Kommandor<br>MCJO2  |             | 57°09.977'N 002°15.419'E<br>56°43.474'N 001°42.809'E   | 23, 30, 29, 22 | 04/04/2018 - 15/07/2018<br>For 12 Days |
| Gardline Geosurvey Ltd<br>MV Ocean Kommandor<br>PBQW<br>Sea Explorer<br>C6NG6 |             | 57°19.242'N 001°37.327'E<br>57°17.775'N 001°42.500'E<br>57°14.904'N 001°39.865'E<br>57°11.521'N 001°45.451'E<br>57°09.441'N 001°47.017'E<br>57°07.265'N 001°37.481'E<br>57°15.200'N 001°33.264'E | 22             | 21/03/2018 - 31/12/2018<br>For 3 Days  |
| Gardline Geosurvey<br>Kommandor<br>PBQW                                       | 1200m<br>3m | 57°53.967'N 000°59.687'W<br>57°53.788'N 000°48.813'W<br>57°46.787'N 000°49.237'W<br>57°46.965'N 001°00.075'W   | 20             | 18/03/2018 - 01/07/2018<br>For 3 Days  |

## Area 3 Survey List

Latest Update: 31 May 2018

| Company & Vessels                                    | Towed Cable Length & Depth | Area Covered 1 (inc Quod Blocks)   | Area Covered 2 (inc Quod Blocks) | Duration                               |
|--|----------------------------|--|----------------------------------|--|
| Fugro Survey Limited<br>MV Fugro Venrurer<br>C6CG3   | 1200m                      | 52°39.081'N 002°43.500'E<br>52°39.093'N 002°49.708'E<br>52°35.317'N 002°49.723'E<br>52°35.306'N 002°43.523'E | 53                               | 01/07/2018 - 30/09/2018<br>For 10 Days |
| Horizon Geosciences Ltd<br>Kommandor Stuart<br>MPQH3 |                            | 54°02.394'N 000°26.487'E<br>53°40.112'N 000°08.232'E   | 42, 47                           | 01/06/2018 - 31/07/2018<br>For 28 Days |
| Oranje-Nassau Energie UK<br>Ltd<br>MV Deep Helder    |                            | 53°11.383'N 002°51.750'E   |                                  | 01/06/2018 - 04/06/2018<br>For 4 Days  |
| Geo XYZ Uk Ltd<br>Geo Cean II<br>LXHX                |                            | 53°06.673'N 002°29.623'E<br>53°05.487'N 002°29.623'E<br>53°05.478'N 002°27.666'E<br>53°06.665'N 002°27.652'E | 49                               | 22/05/2018 - 30/06/2018<br>For 2 Days  |
| Geo XYZ Uk Ltd<br>Geo Cean II<br>LXHX                |                            | 52°53.764'N 002°36.582'E<br>52°52.578'N 002°36.593'E<br>52°52.571'N 002°34.631'E<br>52°53.757'N 002°34.620'E | 53                               | 22/05/2018 - 30/06/2018<br>For 2 Days  |
| Shearwater GeoServices<br>M/V Polar Duchess<br>5BJC3 |                            | 54°11.104'N 000°48.269'E<br>53°54.744'N 000°48.193'E<br>53°54.632'N 000°10.608'E<br>54°11.007'N 000°10.329'E | 42 & 47                          | 14/05/2018 - 30/09/2018<br>For 32 Days |
| Eni UK Ltd<br>FPV Mprven<br>MBFQ6                    |                            | 53°08.010'N 001°28.869'E<br>52°53.236'N 001°28.869'E<br>52°53.236'N 001°56.018'E<br>53°08.010'N 001°56.685'E | 52; 48                           | 17/02/2018 - 31/05/2018                |

## Area 5 Survey List

Latest Update: 31 May 2018

| Company & Vessels  | Towed Cable Length & Depth | Area Covered 1 (inc Quod Blocks)   | Area Covered 2 (inc Quod Blocks) | Duration  |
|--|----------------------------|--|----------------------------------|---|
| Bibby HydroMap<br>Bibby Athena - 2ICA5<br>MV Proteus of Liverpool<br>2HBL7 |                            | 53°42.687'N 003°08.985'W<br>53°42.760'N 003°41.408'W<br>53°20.032'N 003°41.408'W<br>53°19.958'N 003°08.985'W   | 110                              | Bibby Athena<br>24/05/2018 - 01/06/2018<br>Bibby Athena<br>01/06/2018 - 18/06/2018<br>MV Proteus of Liverpool<br>26/06/2018 - 01/07/2018<br>Proteus of Liverpool<br>01/07/2018 - 07/07/2018 |
| Bibby HydroMap Limited<br>Bibby Athena<br>2ICA5                            | 120m / -                   | Southern Irish Sea Pipelines:<br><a href="https://twitter.com/Kingfisherinfo/status/996687172316131329">https://twitter.com/Kingfisherinfo/status/996687172316131329</a> | -                                | 24/05/2018<br>For 30 days   |
| James Fisher & Sons plc<br>Halcyon days<br>MDFP2<br>Fast Fisher<br>2GGN4   |                            | 53°23.240'N 003°25.270'W<br>53°23.215'N 003°21.398'W<br>53°21.397'N 003°18.967'W<br>53°21.077'N 003°23.251'W   | 110                              | 01/05/2018 - 31/12/2018<br>For 25 Days  |