

The Kingfisher Bulletin

Offshore News

OIL AND GAS

09 AUGUST 2018 | ISSUE 16

Shaded blocks indicate activity.

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1. Notice to Fishermen
2. Seabed Activity

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1. Notice to Fishermen
2. Seabed Activity

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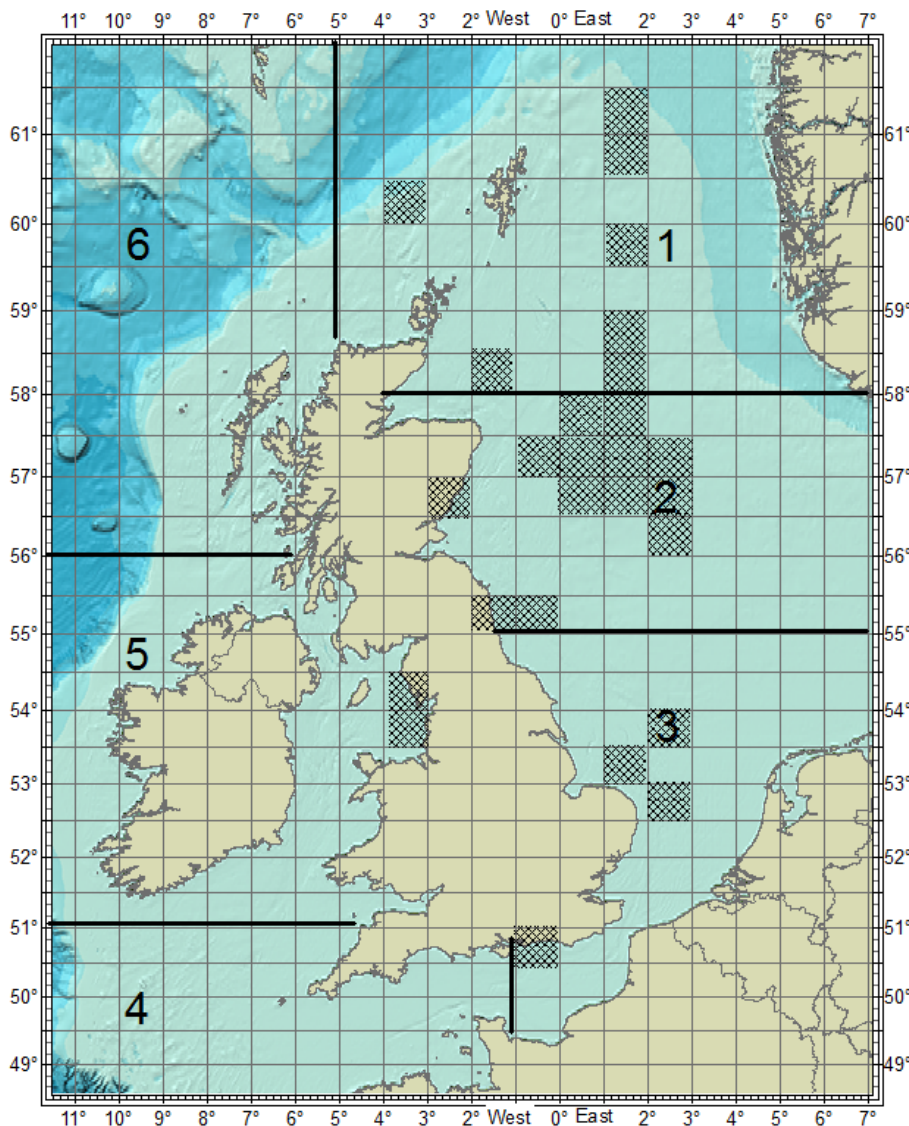
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Support

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

Information

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New Hazards




Area 1 Hazard List

| Hazard Type | Position | Issue Date | Contact Details | Map |
|---|--|-------------|---|---|
| Murchison Wellhead Protection Structure 7.5m x 7.5m x 7.5m Well 211/19-2 | 61°23.382'N 01°44.050'E | 03 May 2018 | Carolyn Toshney Carolyn.Toshney@cnrl.com |  |
| Significant free-spans have been identified along the PL1043 Dunbar to Alwyn pipeline | 60°38.646'N 01°39.193'E 60°38.713'N 01°39.207'E 60°39.017'N 01°39.267'E 60°39.033'N 01°39.271'E | 31 May 2018 | David Colliard, email: david.colliard@total.com |  |
| 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: R.Hall@sff.co.uk |  |

Area 3 Hazard List

| Hazard Type | Position | Issue Date | Contact Details | Map |
|--|---|---------------|--|--|
| Anchor approx. 3.5m x 1.8m | 50°41.147'N 000°17.657'W | 28 June 2018 | Gordon Bain (Eon Marine Coordination) +44(0)7787241442 |  |
| 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 and 53°06.668'N 001°44.165'E | 19 April 2018 | ENI, Tel: 020 7344 6342 |  |

Notice to Fishermen

First Published: 09 August 2018 | **Latest Update: 09 August 2018**

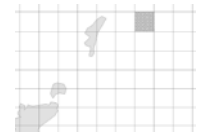
Fishing Hazard - Orlando Suspended Wellhead & Tree 3/3b-13Y



Permanent installation - Orlando Suspended. Wellhead and Tree. Presently No Safety Zone in place.

Height 242.81cm, Width 309.94cm, Length 390.94cm, Water Depth 565 ft.

Position: 60°56.671'N 01°33.686'E



For further information: Gavin Kerr, +44 (0)1224 629156, AGR Well Management Ltd. (Well Operator). Email: gavin.kerr@agr.com

Notice to Fishermen

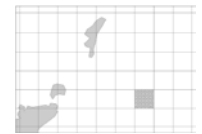
First Published: 19 April 2018 | **Latest Update: 19 July 2018**

Fishing Hazard – Miller Platform Decommissioned Jacket Footings



The Miller jacket was removed on the 12 July 2018, together with the two temporary nav aid lights. 4 Jacket footings and remains of the cut jacket remain in situ (rising up to 22m from the seabed) and offer a significant snagging risk.

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

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

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 |

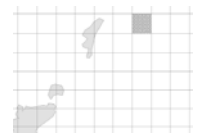
Where water depth is between 20 and 35m. Fishing activities shall be avoided in this area, as there is potential for snagging.



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

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

For further information: Carolyn Toshney, CNR International Ltd, Tel: +44 1224 303600 email: Carolyn.Toshney@cnri.com

Seabed Activity

First Published: 14 June 2018 | Latest Update: 07 August 2018

Decipher Production Ltd – Orlando Field - Development

The Orlando Field is located in Block 3/3b in the Northern North Sea approximately 390km North-Northeast of Aberdeen and 11km North East of the Ninian Central Platform (NCP) in a water depth of 142m. The Orlando field will be developed as a subsea tie-back to the NCP, operated by Canadian Natural Resources International (CNRI).

The subsea pipeline system will comprise an 8" / 12" Pipe in Pipe (PiP) production pipeline connected between the Orlando production well (P1) and the new Subsea Isolation Valve (SSIV) structure situated within the NCP 500m safety zone. The pipeline is connected at either end using rigid tie-in spools. A flexible free-hanging catenary production riser will connect the SSIV structure to the NCP topside production facilities.



There are 2 main pipeline crossings, PL1526 owned and operated by Total, situated approximately mid-way along the pipeline route and PL917 which is owned and operated by CNRI which is located within the NCP 500m safety zone.

The Electric/Hydraulic/Chemical (EHC) umbilical will be formed in 2 parts, a free-hanging catenary dynamic umbilical will connect the NCP topside controls system to the SSIV structure and a second static umbilical will be installed between the SSIV structure and the Orlando production well (P1).

The free-hanging production riser and dynamic umbilical will be anchored to the seabed at their respective Touch Down Points via 'riser bases'. The 'riser bases' are simple steel gravity structures that restrain the free-hanging products. The umbilical will follow the pipeline route offset along the majority of the length by 30m except at either end and at the crossing locations where separation will be reduced to a minimum of 1m.

The pipeline and umbilical will be trenched to approx. 1.6m below the seabed with the untrenched ends, and crossing locations protected by a combination of concrete mattresses and rockdump. The rigid spools and controls jumpers will be protected by concrete mattresses. No protection is required on the production riser or dynamic umbilical as these are well within the NCP 500m safety zone, however concrete mattresses will be placed at intervals for stability purposes only.

Vessel activity in the area is as follows:

| Vessel | Activity | Start Date | End Date |
|-------------------|---|------------|------------|
| Deep Energy | Pipelay SSIV Installation | 07/08/2018 | 21/08/2018 |
| Skandi Africa | Pre-Commissioning, Metrology & Survey Support | 16/08/2018 | 02/09/2018 |
| Normand Pioneer | Pipeline Trenching | 20/08/2018 | 29/08/2018 |
| Normand Pioneer | Pipeline & Umbilical Back-Filling | 29/08/2018 | 09/09/2018 |
| Stones | Rock Dumping | 13/09/2018 | 19/09/2018 |
| Deep Explorer Ph1 | Diving - Tie-Ins & SSIV Installation | 20/08/2018 | 27/08/2018 |
| Normand Vision | Umbilical Installation | 28/08/2018 | 06/09/2018 |
| Deep Explorer Ph2 | Diving - Tie-Ins etc | 29/09/2018 | 10/10/2018 |

The co-ordinates for the proposed operations are listed below::

| Location | Coordinates |
|-----------------------|--------------------------|
| NCP Platform Centre | 60°51.376'N 001°28.042'E |
| Umbilical Riser Base | 60°51.398'N 001°28.256'E |
| Production Riser Base | 60°51.446'N 001°28.179'E |
| SSIV Structure | 60°51.487'N 001°28.222'E |
| PL917 Crossing | 60°51.567'N 001°28.216'E |
| PL1526 Crossing | 60°53.844'N 001°30.465'E |
| Orlando Well (P1) | 60°56.671'N 001°33.686'E |

For further information: Steve Dempster, Petrex Developments Ltd, Tel +44 1224 452 125, e-mail: sdempster@petrex.co.uk

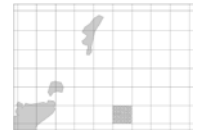
Seabed Activity

First Published: 26 July 2018 | Latest Update: 26 July 2018

Ivanhoe & Rob Roy Fields – Decommissioning Survey



the Scottish Fisheries Federation (SFF) will undertake an overtrawl survey of the decommissioned Ivanhoe and Rob Roy fields (Block 15/21) on behalf of Hess Ltd.



The survey will be undertaken by the Jacqueline Anne, with the vessel mobilising tomorrow (25 July) and onsite activities taking up to two weeks to complete.

The activities will be centered on 58°11.425'N, 000°06.684'E and extend to around 2 nm from this location in all directions.

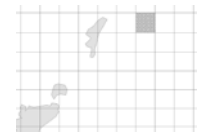
For further information: Kirsty McWilliam, Hess email: KMWilliam@hess.com

Seabed Activity

First Published: 26 July 2018 | Latest Update: 26 July 2018

Brent Charlie Field – Vessel Activity

Please be advised of the following upcoming Vessel activity being undertaken in the Brent Charlie Field.



- Rockdumper TBC – Carrying out Crossing installation – Infield 24/07/18 – 26/07/18
- Seven Navica – Pipelay, FCG and OOS Survey – 14/08/18 – 19/08/18
- Seven Arctic – Brent C GE SSIV & FLAGS PLEM Installation – 28/08/18 – 31/08/18
- Activity: Carrying out tie-in works, mattressing and commissioning

The Vessels will be working in the following areas:

| Location | Coordinates |
|---|-------------------------|
| Brent 'D' Platform Riser (Fitted with Plastic Cap) | 61°07.910'N 01°44.066'E |
| Brent Charlie Tie-In Spool cut (Fitted with Environmental Bung) | 61°05.737'N 01°43.205'E |
| Adjacent to Brent Charlie Platform | 61°05.737'N 01°43.205'E |
| Brent 'C' Gas Export SSIV Structure | 61°05.707'N 01°43.636'E |
| NL-WL- PLEM | 61°02.046'N 01°41.970'E |
| Penguins Production SSIV Structure | 61°05.707'N 01°43.363'E |

For further information: Victoria Munro, Shell UK Limited, Tel: +44 1224 887804 email: v.munro@shell.com

Seabed Activity

First Published: 12 July 2018 | Latest Update: 24 July 2018

GPIII, South Maclure (Ballindaloch) – Inspection Activities

Bibby Polaris (call sign MYKR6) is engaged in various inspection activities with limited manoeuvrability, between July 28th and August 30th at the above mentioned fields in Quad 9.

Please exercise caution in these areas.

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

Seabed Activity

First Published: 12 July 2018 | Latest Update: 12 July 2018

Azinor Plantain / Agar – Drilling Operations

Azinor Catalyst is planning a drilling operation at the Plantain/Agar location in UK Licence Block 9/14, located in the Northern North Sea. Please see pre-laid Anchor positions in the Anchor List Section.



| Drilling Rig/Ship | Installation / Well No | Position | Start / Finish | Duration |
|--------------------------------------|------------------------|--------------------------|----------------|-----------------|
| Transocean Leader Esvagt Champion | Plantain / Agar | 59°37.464'N 001°44.609'E | 19/08/2018 | 28 - 35 Days |

For further information: John Campbell, Anatec Limited, Tel: +44 1224 253700 email: aberdeen@anatec.com

Seabed Activity

First Published: 28 June 2018 | Latest Update: 28 June 2018

Captain Field – Drilling Operations

Chevron North Sea Ltd is planning to drill at the Captain B34 well location in UK Licence Block 13/22, located in the outer Moray Firth.



| Drilling Rig/Ship | Installation / Well No | Position | Start / Finish | Duration |
|---------------------------------------|------------------------|-------------------------|----------------|----------|
| West Phoenix 3ETB9 Skandi Foula | Captain B34 | 58°18.070'N 01°42.380'W | 21/06/2018 | 90 Days |

For further information: Pat Dasgupta, Chevron North Sea Limited, Tel: +44(0)1224 345425 email: Pat.Dasgupta@chevron.com

Seabed Activity

First Published: 31 May 2018 | Latest Update: 06 July 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: 20th July – 19th September 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

Seabed Activity

First Published: 09 July 2018 | Latest Update: 09 August 2018

Lancaster Field – Development

Please be advised that the Lancaster Field Turret Mooring System 500m Safety Zone:

The Turret Mooring System installation was completed last week. The buoy is installed 20m below the sea surface and will remain at this depth until the Aoka Mizu FPSO arrives in field circa November 2018 to complete the installation of the Buoy to the FPSO.



The co-ordinates for the proposed operations are listed below:

| | Coordinates |
|--------------------------------|-----------------------------|
| Aoka Mizu FPSO Turret Centre | 60° 10.790' N 03° 52.200' W |
| Lancaster Manifold 500m Centre | 60° 11.950' N 03° 51.860' W |
| LDC-6 Top Hole | 60° 11.960' N 03° 51.870' W |
| LDC-7z Top Hole | 60° 11.960' N 03° 51.840' W |

For further information: Jo Valentine, Hurricane Energy, T +44 1224 548580 email: Jo.Valentine@hurricaneenergy.com

Seabed Activity

First Published: 20 March 2017 | Latest Update: 09 July 2018

Lancaster Field – Well Intervention Operations

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: Kingfisher@seafish.co.uk

Pelican Field Programme – Well Abandonment

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

The planned operations will consist of abandoning the reservoirs and removing the existing Xmas Trees of six wells within the subsea field.

Operations will be conducted by the Paragon MSS1 semi-submersible drilling rig, with operations expected to commence on July 26th and last for six months. 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.

The co-ordinates for the proposed operations are listed 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

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 562193 email steph.kiltie@pdi-ltd.com

Telford Field – Flexible Pipeline installation and associated works

Nexen Petroleum intends to undertake pipeline works in the Telford Field area, commencing 4th July 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 | 04/07/18 | 05/07/18 – 14/07/18 |
| Rock Dumping | Simon Stevin | 14/07/18 | 15/07/18 – 27/07/18 |
| Spools & Valve Skid Install & Tie-Ins | Seven Falcon | 14/07/18 | 15/07/18 – 04/08/18 |

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

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.

The operations will be undertaken from the following vessels: Seven Arctic CSV

The co-ordinates for the proposed operations are listed below:

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

For further information: Euan Simpson, Equinor (Production) UK Limited, tel: 07557 161705, email: esusi@equinor.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:

| | Coordinates |
|-----------------------|-------------------------|
| 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

Notice to Fishermen

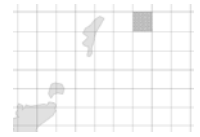
First Published: 09 August 2018 | Latest Update: 09 August 2018

Fishing Hazard – Pelican Field Xmas Tree 211/26a-P8z



Please be advised that TAQA have installed a Xmas Tree at well 211/26a-P8z in the Pelican subsea field.

Position: 61°01.991'N 001°07.596'E



For further information: *Natasha Dolecki, Taqa Bratani Limited, Tel: +44(0)1224 737633 email: Natasha.Dolecki@taqaglobal.com*

Notice to Fishermen

First Published: 12 July 2018 | Latest Update: 07 August 2018

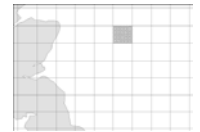
Fishing Hazard – Freespans Lomond to CATS Riser Platform Pipeline



In preparation for hot tap and tie-in works on the Lomond Platform to CATS Riser Platform 8-inch pipeline (PL781), the pipeline has been excavated and exposed at the following locations:

- 57° 17.537'N, 2° 10.619'E (1 freespan 5m long x 0.5m high)
- 57° 17.755'N, 2° 10.580'E (1 freespan 5m long x 0.5m high)
- 57° 28.484'N, 2° 04.158'E (1 freespan 5m long x 0.5m high)
- 57° 28.687'N, 2° 03.972' E (1 freespan 5m long x 0.5m high)
- 57° 30.146'N, 2° 2.680'E (3 freespans, each 5m long x 0.5m high)

Immediately adjacent to the Lomond platform (within the 500m zone) at 57° 17.215'N, 02° 10.672'E there are 3 further freespans, each 5m long x 0.5m high.



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

Notice to Fishermen

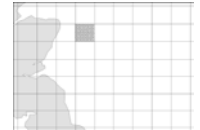
First Published: 31 May 2018 | Latest Update: 31 May 2018

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*

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

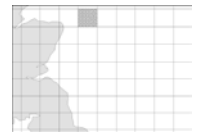
The purpose of the buoy was to support the mooring rope above the subsea assets. It has been confirmed that all mooring are still fully in tack and service provider of mooring analysis confirmed that with the buoy not supporting the upper end of the fiber mooring line there should be no contact with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



For further information: *Erwin C Guidry, Ocean Valiant, Tel: +44 1224 501 435 email: valiant_oim@dodi.com*

Golden Eagle Field – Well tie in works

Nexen Petroleum intends to undertake pipeline works in the Golden Eagle Field area, commencing 6th August 2018. The works comprise the installation of a 6" production tie-in spool, 4" gas lift spool and controls jumper, each ~ 50m in length, between the Southern Drill Centre Manifold (SDCM) and the new Production Well SP2.



Vessel activity in the area is as follows:

| Operations | Field Locations | Position | Vessel | Mobilisation In Golden Eagle Field |
|------------------------------|--|--------------------------|---------------|--|
| Well Tie-In, pipeline spools | Golden Eagle Southern Drill Centre Manifold (SDCM) | 57°55.270'N 000°54.280'W | Seven Kestrel | 05/08/2018 06/08/2018 – 31/8/2018 |

For further information: Colin Strachan, Nexen Petroleum UK Ltd, +44(0)7843 258613

Lomond – Diving and Pipeline Activities

The following vessels will be carrying out diving and construction 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 :



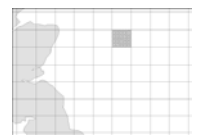
- Seven Navica (call sign MZHR7) is currently in the field carrying out 8-inch pipeline installation activities up to approximately 10th August
- Grand Canyon III (call sign LACJ8) will be carrying out pipeline trenching activities between 10th and 24th August approximately
- Seven Falcon (call sign 2EEN9) will be carrying out hot tapping and pipeline flushing activities between 12th and 26th August approximately
- Simon Stevin (call sign LXUB) will be carrying out rock placement activities between 17th and 31st August approximately
- Seven Eagle (call sign ELUB4) will be carrying out spoolpiece installation and tie-in activities between 26th August and 16th September approximately.

The locations where the diving and pipelay activity will take place are between: 57°17.224'N 2°10.803'E and 57°30.146'N 2° 02.680'E

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

Nexen Glengorm – Drilling Operations

Nexen Petroleum UK Limited is planning to drill at the 22/21c-M (Glengorm) location in the UK Central North Sea.



| Drilling Rig/Ship | Installation / Well No | Position | Start / Finish | Duration |
|--|------------------------|--------------------------|----------------|----------|
| Paragon Prospector 5 ERRV: Esvagt Capri | Glengorm 22/21c-M | 57°10.644'N 001°07.066'E | 20/08/2018 | 146 Days |

For further information: John Campbell, Anatec Limited, Tel: +44 1224 253700 email: aberdeen@anatec.com

Azinor Plantain / Agar – Drilling Operations

Azinor Catalyst is planning a drilling operation at the Plantain/Agar location in UK Licence Block 9/14, located in the Northern North Sea. Please see pre-laid Anchor positions in the Anchor List Section.

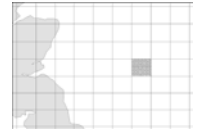


| Drilling Rig/Ship | Installation / Well No | Position | Start / Finish | Duration |
|--------------------------------------|------------------------|--------------------------|----------------|-----------------|
| Transocean Leader Esvagt Champion | Plantain / Agar | 59°37.464'N 001°44.609'E | 19/08/2018 | 28 - 35 Days |

For further information: John Campbell, Anatec Limited, Tel: +44 1224 253700 email: aberdeen@anatec.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 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 |

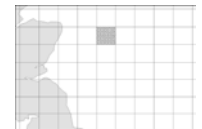
A summary of the upcoming activities is as follows:

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

Nelson Field – Flexibles, Umbilicals & Structure Installations

Global Symphony (Global Offshore) – Infield 18/07/18 – Depart Field 25/07/18

- Installation and burial of 6km long power cable between Nelson Platform and Nelson South manifold.



Bibby Polaris (Bibby Offshore) – Infield 31/08/18 – Depart Field 09/09/18

- Installation of UTA protection structures
- Relocation of UTAs from lay operation
- Recovery of redundant control jumpers
- Installation of new control jumpers
- Commissioning support

The Vessels will be working the following locations within the Nelson Field:

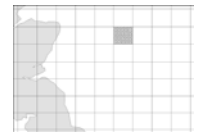
| Location | Coordinates |
|-----------------------------------|--------------------------|
| Nelson Field - Platform | 57°39.734'N 001°08.640'E |
| Nelson South Satellite - Manifold | 57°36.961'N 001°11.405'E |
| Tie-in Skid | 57°39.668'N 001°08.819'E |

For further information: Victoria Munro, Shell UK Limited, Tel: +44 1224 887804 email: y.munro@shell.com

Montrose BLP Project – Development Operations

Offshore campaigns upcoming;

- DSV Seven Eagle – ETA in field 8th June. Support subsea construction activities between Shaw production and Shaw Water Injection Drill centres and control system commissioning testing. (Duration 7 days).
- Tideway Flintstone – ETA in field 18th June. Undertake rock place of WI control umbilical between Shaw production and Shaw Water Injection Drill centres. (Duration 2 days).
- Guard vessel is currently on location and will provide guard duty support until the rock dump scope is completed.



Note. HSE recognised 500m Safety Zones are now in force at the following:

- Cayley drill centre 57°25.167'N 01°13.804'E
- Cayley/Montrose intermediate towhead 57°26.160' N 01°18.420' E
- Shaw production drill centre 57°17.813'N 01°21.755'E
- Shaw WI drill centre 57°17.369'N 01°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°22.00'N 01°20.25'E | CATS T2 |

For further information: James Harper, Repsol Sinopec Tel: 01224352855 email: James.Harper@repsolsinopecuk.com James Smith Tel: 01224353458 email: James.Smith@repsolsinopecuk.com

Gannet E Field – Vessel Activity

Please be advised of the following upcoming Vessel activity being undertaken in the Gannet Field.



Vessel Name: **Seven Arctic** Infield on the 5th Aug – 9th Aug
Activity: Carrying out Pre-Lay surveys and crossing installations & 6" Flexible

Vessel Name: **Global Symphony** Date: Infield on the 5th Aug – 9th Aug
Activity: Carrying out Trenching

Vessel Name: **Seven Pelican** Date: Infield on the 16th Aug – 23rd Aug
Activity: Carrying out tie-in works, mattressing and commissioning

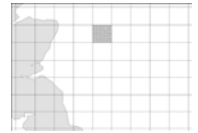
The Vessels will be working in the following areas:

| Location | Coordinates |
|--|-------------------------|
| Gannet C4 GC4-04 Well | 57°08.311'N 00°57.211'E |
| Tie-In Point of PL2219 Adjacent to Gannet C1 GC1-04 Well | 57°10.123'N 00°56.717'E |
| Adjacent to Bundle 4 Towhead (C4 end) | 57°08.365'N 00°57.303'E |

For further information: Victoria Munro, Shell UK Limited, Tel: +44 1224 887804 email: v.munro@shell.com

Gannet E Field – Flexibles, Umbilicals & Structure Installations

Rock dumper – TBC (Technip 3rd Party) Infield 11/08/18 – Depart Field on 21/08/18
Rock dump of Gannet E flow lines & static umbilical – SWC



Deep Explorer (Technip) Gannet E scopes – Infield 07/07/18 – Depart Field 12/08/18

- Gannet E tie ins at Valve Skid – SWC close proximity
- Gannet E static umbilical tie-ins to umbilical riser base - SWC
- Bittern WI replacement flowline tie-ins at DCA & DCB – Open Water
- Gannet E flowlines and well tie-ins – Open Water

The Vessels will be working in the listed below locations.

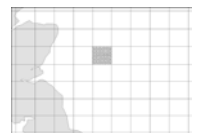
| Location | Coordinates |
|-----------------------------|--------------------------|
| Gannet 'E' Tie In Manifold | 57°05.485'N 000°50.944'E |
| Valve Skid | 57°05.542'N 000°51.038'E |
| Well GE P-01 | 57°05.496'N 000°50.924'E |
| Gannet 'E' Tie-In Manifold | 57°05.473'N 000°50.914'E |
| Well GE P-02 | 57°05.485'N 000°50.918'E |
| Gannet 'E' Tie-In Manifold | 57°05.473'N 000°50.914'E |
| Well GE P-03 | 57°05.472'N 000°50.967'E |
| Gannet 'E' Tie-In Manifold | 57°05.473'N 000°50.914'E |
| Riser Base SY9515G | 57°05.040'N 000°53.401'E |
| Gannet 'E' Towhead/Manifold | 57°05.485'N 000°50.944'E |

| Location | Coordinates |
|--|--------------------------|
| Bittern Drill Centre 'A' Production Manifold | 56°54.141'N 001°02.141'E |
| Triton FPSO Topside Pig Trap Isolation | 57°04.998'N 000°53.452'E |
| Bittern Well WA | 56°54.116'N 001°02.131'E |
| Adjacent to Bittern Drill Centre 'B' Production Manifold | 56°55.009'N 001°01.450'E |

For further information: Victoria Munro, Shell UK Limited, Tel: +44 1224 887804 email: v.munro@shell.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 000°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.

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°43.495'N 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

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

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

Seabed Activity

First Published: 09 August 2018 | Latest Update: 09 August 2018

Thames Area – Well Abandonment

Following the completion of the below well plug and abandonment campaign, please be aware that Petrofac were unable to remove a section of 30" conductor at the Orwell Exploration well location due to technical difficulties and as such this will be recovered as part of Tullow Oil SK Ltd's (Tullow) Phase 4 Decommissioning Programme due to commence in 2019.

The top hole conductor of the well will remain in situ until this time, protruding approximately 10 feet above seabed (no change from previous status prior to Petrofac operations). The area is subject to a 500m exclusion zone which encompasses the well in question.



| Well Number | Coordinates |
|-------------|-------------------------|
| 50/26a-D1 | 53°08.464'N 03°02.576'E |
| 50/26a-D2 | 53°08.466'N 03°02.574'E |
| 50/26a-D3 | 53°08.462'N 03°02.577'E |
| 50/26a-2 | 53°08.420'N 03°02.481'E |

For further information: Mark Ryan, Petrofac, Tel: +44(0)1224 247 000 email: mark.ryan@petrofac.com

Seabed Activity

First Published: 09 August 2018 | Latest Update: 09 August 2018

EDT Jane ST-1 – Subsea Decommissioning

Spirit Energy will be mobilising the EDT Jane ROVSV on or shortly after the 25th August from Great Yarmouth. The work is expected to have been completed before 15th September.

The EDT Jane will transit to and undertake work at the Markham field. The work will take place at two locations; the ST-1 platform 53°50.527'N 02°52.059'E and the J6A platform 53°50.586'N 02°52.158'E. The scope of work is the subsea decommissioning of the ST-1 facilities and includes the following:



- Removal and recovery of mattresses covering the spools at ST-1 and at J6A
- Cutting and removal of sections of pipelines at ST-1 and at J6A
- Removal of sand bags and other debris

No diving is associated with this scope.

The platform will remain in place with the existing navigational aids until a future platform removal campaign, which we will notify you about in advance of the operation.

For further information: Susan MacKenzie, Spirit Energy, Tel: +44 (0)1224 415 583 email: susan.mackenzie@spirit-energy.com

Seabed Activity

First Published: 09 August 2018 | Latest Update: 09 August 2018

Thurne Field – Well Abandonment

Please be aware that Petrofac Facilities Management Limited (PFML) will be commencing well abandonment operations in the Thames Area of the Southern North Sea on 15nd August 2018 for an estimated duration of 30 days at the below subsea well location, utilising the ENSCO 72 mobile offshore drilling unit.



| Field | Well | Position | Start / Finish | Duration |
|--------|--------|--------------------------|----------------|----------|
| Thurne | 49/28a | 53°06.009'N 002°28.647'E | 15/08/2018 | 30 Days |

For further information: Mark Ryan, Petrofac, Tel: +44(0)1224 247 000 email: mark.ryan@petrofac.com

Seabed Activity

First Published: 12 July 2018 | Latest Update: 30 July 2018

Wissey Field – Well Abandonment

Please be aware that Petrofac Facilities Management Limited (PFML) will be commencing well abandonment operations in the Thames Area of the Southern North Sea on 28th July 2018 for an estimated duration of 30 days at the below subsea well location, utilising the ENSCO 72 mobile offshore drilling unit.



| Field | Well | Position | Start / Finish | Duration |
|--------|----------|--------------------------|----------------|----------|
| Wissey | 53/4d-11 | 52°53.970'N 002°45.116'E | 28/07/2018 | 30 Days |

For further information: Mark Ryan, Petrofac, Tel: +44(0)1224 247 000 email: mark.ryan@petrofac.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.arthur@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



| | |
|------------------------|--------------------------|
| 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

Pipeline Spans – Liverpool Bay



In June/July 2018, we have carried out Acoustic Survey (MBES/SSS) and Depth of Burial (SBI) for all of the Liverpool Bay Asset Pipelines.

There were few new Free Span Findings related to two pipelines PL1034 (14" Oil Pipeline) and PL1035 (16" Gas Pipeline).

| Position | Length (m) | Height (m) |
|-------------------------|------------|------------|
| 53°22.225'N 03°22.162'W | 4.3 | 1.3 |
| 53°22.228'N 03°22.166'W | 6.4 | 1.0 |
| 53°22.230'N 03°22.171'W | 8.8 | 1.0 |



For further information: Rajesh Kumar, ENI UK – Liverpool Bay Asset, Tel: +44 (0)1352 842200 email: rajesh.kumar@external.eni.com

Millom & Dalton Gas Field – Operations



Millom East subsea infrastructure including to undertake diving operations - 24 July until 20 August.

During this time it will relocate to the Dalton subsea infrastructure for approx. 3 days. The Bibby Topaz DSV (call sign 3 EHY 8) will transit from Great Yarmouth to the eastern Irish Sea 21-24 July 2018

| | |
|-------------|-------------------------|
| Millom East | 54°00.589'N 03°46.347'W |
| Dalton | 53°54.211'N 03°43.369'W |



For further information: John Watson, Spirit Energy, Tel +44 1224 415353 email: john.watson@spirit-energy.com

Holy Island – Scientific Mooring Buoys

Bangor University has deployed seven scientific moorings off Holy Island at the following positions. They are fully submersed with no surface markers. All have a minimum clearance exceeding 30m.

Due to be recovered by 24th August.

| Coordinates |
|-------------------------|
| 53°18.336'N 04°42.619'W |
| 53°18.037'N 04°42.629'W |
| 53°18.031'N 04°43.096'W |
| 53°17.513'N 04°43.503'W |
| 53°17.761'N 04°42.858'W |
| 53°17.274'N 04°43.036'W |
| 53°17.223'N 04°43.506'W |



For further information: Gemma Veneruso, Bangor University, Tel: 01248 382840 email: g.veneruso@bangor.ac.uk

Area 1 Rig List

Latest Update: 06 August 2018

| MOVEMENT | RIG | POSITION | MOVEMENT | RIG | POSITION |
|------------|-------------------|-----------------------|------------|------------------|-----------------------|
| | Rowan Viking | 58°00.20'N 00°22.70'W | New | Deepsea Aberdeen | 60°20.00'N 04°01.40'W |
| | Rowan Gorilla 7 | 58°01.70'N 01°42.90'E | | Safe Caledonia | 60°44.10'N 02°29.40'W |
| New | Ocean Guardian | 58°18.10'N 01°42.40'W | | West Hercules | 60°49.10'N 04°09.20'W |
| New | Ocean Valiant | 58°22.50'N 00°56.40'E | | Songa Equinox | 60°49.80'N 03°34.30'E |
| | Maersk Integrator | 58°34.30'N 01°41.80'E | | Songa Endurance | 60°49.90'N 03°36.10'E |
| | COSL Innovator | 58°48.50'N 02°16.10'E | | Stena Don | 60°55.90'N 02°14.10'W |
| | Deepsea Bergen | 58°49.10'N 01°51.90'E | | COSL Promoter | 60°56.60'N 03°34.50'E |
| | Maersk Intrepid | 59°02.20'N 02°13.50'E | | Paragon MSS1 | 61°02.00'N 01°07.80'E |
| | Ocean Patriot | 59°26.90'N 01°37.20'E | | Transocean 712 | 61°17.60'N 01°28.30'E |
| | Deepsea Stavanger | 59°32.70'N 01°59.20'E | | Deepsea Atlantic | 61°26.10'N 02°35.20'E |
| | Safe Boreas | 59°35.20'N 01°03.20'E | | Scarabeo 8 | 61°48.10'N 04°52.20'E |
| | Noble Lloyd Noble | 59°35.40'N 01°03.40'E | | | |

Area 2 Rig List

Latest Update: 06 August 2018

| MOVEMENT | RIG | POSITION | MOVEMENT | RIG | POSITION |
|------------|-------------------|-----------------------|------------|--------------------|-----------------------|
| | Maersk Resilient | 55°32.20'N 05°01.90'E | | Rowan Gorilla V | 56°58.02'N 01°52.19'E |
| | Maersk Guardian | 55°42.90'N 04°44.90'E | New | Maersk Interceptor | 57°04.30'N 03°03.80'E |
| | Noble Sam Turner | 55°48.20'N 04°33.60'E | | West Phoenix | 57°10.00'N 00°49.50'E |
| New | Maersk Resolve | 55°52.80'N 04°13.90'E | | Maersk Highlander | 57°11.70'N 01°54.80'E |
| | Transocean Leader | 56°11.90'N 02°45.90'E | New | Ensco 101 | 57°24.30'N 01°35.90'E |
| | Ensco 120 | 56°43.50'N 02°12.50'E | | COSL Pioneer | 57°50.90'N 00°38.60'W |
| | Ensco 100 | 56°44.60'N 00°40.70'E | | Paul B Loyd Jnr | 57°58.20'N 00°53.70'E |

Area 3 Rig List

Latest Update: 06 August 2018

| MOVEMENT | RIG | POSITION | MOVEMENT | RIG | POSITION |
|------------|--------------------|-----------------------|------------|-----------------|-----------------------|
| | Maersk Resolute | 52°14.30'N 03°47.40'E | | Prospector 1 | 53°28.40'N 04°29.40'E |
| New | Ensco 72 | 52°54.00'N 02°45.20'E | | Seafox 1 | 53°42.20'N 01°09.00'E |
| | Seafox 2 | 53°00.31'N 02°53.77'E | | Noble Hans Deul | 53°56.40'N 02°44.80'E |
| | Seafox 4 | 53°04.60'N 02°11.10'E | | Paragon C20051 | 54°06.80'N 00°27.60'E |
| | 590021 | 53°14.00'N 03°14.50'E | | Ensco 92 | 54°12.20'N 02°27.10'E |
| | Ensco 122 | 53°14.40'N 04°05.00'E | New | Paragon B391 | 54°59.10'N 04°53.90'E |
| | Seajacks Leviathan | 53°14.80'N 02°01.40'E | | | |

Area 5 Rig List

Latest Update: 06 August 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.

Area 1 Anchor List

Latest Update: 09 August 2018

Ocean Valiant – Pre-Lay 9/19

| Anchor No. | Position | Anchor No. | Position | Anchor No. | Position |
|------------|--------------------------|------------|--------------------------|------------|--------------------------|
| Rig | 59°20.414'N 001°37.393'E | 5 | 59°20.607'N 001°39.378'E | 10 | 59°21.493'N 001°37.146'E |
| 1 | 59°20.265'N 001°35.287'E | 6 | 59°20.325'N 001°39.409'E | 11 | 59°20.009'N 001°39.251'E |
| 2 | 59°20.535'N 001°35.277'E | 7 | 59°19.384'N 001°37.211'E | 12 | 59°19.418'N 001°37.914'E |
| 3 | 59°21.492'N 001°37.674'E | 8 | 59°19.466'N 001°36.594'E | | |
| 4 | 59°21.432'N 001°38.134'E | 9 | 59°20.763'N 001°35.378'E | | |

Transocean Leader – Plantain /Agar

| Anchor No. | Position | Anchor No. | Position | Anchor No. | Position |
|------------|--------------------------|------------|--------------------------|------------|--------------------------|
| Rig | 59°37.464'N 001°44.609'E | 3 | 59°37.805'N 001°46.108'E | 6 | 59°36.642'N 001°43.959'E |
| 1 | 59°38.065'N 001°44.159'E | 4 | 59°37.163'N 001°46.090'E | 7 | 59°37.118'N 001°43.082'E |
| 2 | 59°38.057'N 001°45.226'E | 5 | 59°36.689'N 001°45.224'E | 8 | 59°37.798'N 001°43.155'E |

Ocean Guardian – At Captain B

| Anchor No. | Position | Anchor No. | Position | Anchor No. | Position |
|------------|--------------------------|------------|--------------------------|------------|--------------------------|
| Rig | 58°18.024'N 001°42.462'E | 3 | 58°18.203'N 001°44.135'E | 6 | 58°18.668'N 001°41.449'E |
| 1 | 58°17.039'N 001°42.808'E | 4 | 58°18.680'N 001°43.551'E | 7 | 58°17.922'N 001°40.699'E |
| 2 | 58°17.404'N 001°43.957'E | 5 | 58°18.852'N 001°42.681'E | 8 | 58°17.331'N 001°41.315'E |

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 |

Schiehallion West Drill Centre– Anchor Laid Down

The Deepsea Aberdeen rig has moved away from Schiehallion Central to St Magnus Bay to undertake planned maintenance. The anchors in the field are still installed and have been laid down to the seabed.

At the moment the GeoCoral survey vessel is planning to run survey lines over the Schiehallion Central area – this vessel has an FLO onboard.

| 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 Central – Anchor Pre-Laid

The Deepsea Aberdeen rig has moved away from Schiehallion Central to St Magnus Bay to undertake planned maintenance. The anchors in the field are still installed and have been laid down to the seabed.

At the moment the GeoCoral survey vessel is planning to run survey lines over the Schiehallion Central area – this vessel has an FLO onboard.

| Anchor No. | Position | Surface Buoy | Chain End |
|------------|-------------------------|-------------------------|-------------------------|
| Rig | | | |
| 1 | 60°19.596'N 04°05.593'W | 60°19.895'N 04°03.546'W | 60°19.808'N 04°04.133'W |
| 2 | 60°20.644'N 04°04.774'W | 60°20.365'N 04°04.353'W | 60°20.421'N 04°03.967'W |
| 3 | 60°21.335'N 04°03.099'W | 60°20.852'N 04°02.521'W | 60°21.046'N 04°02.969'W |
| 4 | 60°21.435'N 04°00.944'W | 60°20.516'N 04°02.016'W | 60°20.779'N 04°01.695'W |
| 5 | 60°20.450'N 03°59.365'W | 60°20.212'N 04°01.131'W | 60°20.248'N 04°00.831'W |
| 6 | 60°19.266'N 03°59.680'W | 60°19.697'N 04°01.265'W | 60°19.627'N 04°01.015'W |
| 7 | 60°18.493'N 04°01.641'W | 60°19.422'N 04°02.183'W | 60°19.218'N 04°02.064'W |
| 8 | 60°18.624'N 04°04.036'W | 60°19.333'N 04°03.042'W | 60°19.286'N 04°03.309'W |

– 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 |

Aoka Mizu FPSO – Lancaster Field

| Anchor or No. | Primary Anchor Position | Secondary Anchor Position | Primary Anchor Position | Secondary Anchor Position |
|---------------|-------------------------|---------------------------|--------------------------|---------------------------|
| Rig | 60°10.79'N 03°52.20'W | | | |
| 1 | 60°10.69'N 03°50.98'W | 60°10.69'N 03°50.99'W | 7 60°10.31'N 03°53.19'W | 60°10.31'N 03°53.18'W |
| 2 | 60°10.66'N 03°50.99'W | 60°10.66'N 03°51.01'W | 8 60°10.34'N 03°53.24'W | 60°10.34'N 03°53.23'W |
| 3 | 60°10.63'N 03°51.01'W | 60°10.63'N 03°51.02'W | 9 60°11.37'N 03°52.62'W | 60°11.36'N 03°52.62'W |
| 4 | 60°10.60'N 03°51.03'W | 60°10.60'N 03°51.04'W | 10 60°11.38'N 03°52.56'W | 60°11.37'N 03°52.56'W |
| 5 | 60°10.26'N 03°53.09'W | 60°10.27'N 03°53.08'W | 11 60°11.39'N 03°52.50'W | 60°11.38'N 03°52.50'W |
| 6 | 60°10.28'N 03°53.14'W | 60°10.29'N 03°53.13'W | 12 60°11.40'N 03°52.44'W | 60°11.39'N 03°52.43'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 |

Area 2 Anchor List

Latest Update: 26 July 2018

COSL Pioneer – At Blackbird Well 20/02a-B2A

| Anchor No. | Position | Chain End | |
|------------|--------------------------|--------------------------|---------|
| Rig | 57°50.094'N 000°38.564'W | | |
| 1 | 57°51.618'N 000°39.026'W | 57°51.347'N 000°39.627'W | |
| 2 | 57°51.616'N 000°38.289'W | 57°51.579'N 000°38.733'W | |
| 3 | 57°51.136'N 000°36.757'W | 57°51.252'N 000°37.311'W | As-Laid |
| 4 | | | |
| 5 | 57°50.113'N 000°38.298'W | 57°50.592'N 000°38.224'W | |
| 6 | 57°50.115'N 000°39.036'W | 57°50.523'N 000°39.148'W | |
| 7 | 57°50.665'N 000°40.070'W | 57°50.819'N 000°38.996'W | |
| 8 | 57°51.058'N 000°40.075'W | 57°50.905'N 000°39.001'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 2nd May 2018 (at the earliest) with the vessel due on location around the 4th 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 | 57°10.513'N 0°50.065'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 | 57°10.125'N 0°50.157'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 | 57°09.927'N 0°50.096'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 | 57°09.784'N 0°49.861'E |

Culzean – Culzean FSO Anchors

| Anchor No. | Anchor Position | Chain End | Anchor Position | Chain End |
|------------|--------------------------|--------------------------|-----------------------------|--------------------------|
| | | | 7 57°11.068'N 001°58.558'E | 57°11.143'N 001°58.456'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 | 57°11.167'N 001°58.509'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 | 57°12.364'N 001°58.326'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 | 57°12.381'N 001°58.266'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 | 57°12.397'N 001°58.203'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 | 57°12.412'N 001°58.138'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: 09 August 2018

| Company & Vessels | Towed Cable Length & Depth | Area Covered 1 (inc Quod Blocks) | Area Covered 2 (inc Quod Blocks) | Duration |
|--|----------------------------|---|----------------------------------|--|
| Gardline Survey Ltd. Ocean Reliance HP6391 | 1400m 3m | 59°55.150'N 002°09.133'E 59°50.017'N 002°05.967'E 59°56.461'N 002°00.858'E 59°51.294'N 001°57.695'E 60°36.087'N 04°05.136'W 60°27.418'N 03°48.985'W 60°16.859'N 03°44.090'W 60°12.112'N 03°54.529'W 60°12.585'N 04°16.003'W 60°18.969'N 04°28.181'W 60°25.356'N 04°28.448'W | 4, 9, 10 | 24/08/2018 For 19 Days |
| BP Exploration Geo Coral Geo Caribbean | 14 x 3.6Km streamers | 60°50.117'N 004°07.114'W 60°16.936'N 003°48.352'W | 204 | 20/07/2018 - 27/08/2018 For 45 Days |
| MMT (UK) Limited Stril Explorer LAZT7 | | 60°51.914'N 004°13.368'W 60°51.999'N 004°03.428'W 60°48.228'N 004°03.303'W 60°48.144'N 004°13.224'W | 204, 205 | 20/07/2018 - 30/09/2018 For 14 Days |
| MMT (UK) Limited Stril Explorer LAZT7 | | 60°51.914'N 004°13.368'W 60°51.999'N 004°03.428'W 60°48.228'N 004°03.303'W 60°48.144'N 004°13.224'W | 204, 205 | 20/07/2018 - 30/09/2018 For 14 Days |
| CGG Services S.A CGG Geo Coral LACA8 CGG Caribbean LADV8 S/V Bourbon Tern 5BDQ4 Chase Vessel Stormbas II V4EM2 | 14x 3600m | 60°36.087'N 004°05.316'W 60°27.418'N 003°48.985'W 60°16.859'N 003°44.090'W 60°12.112'N 003°54.529'W 60°12.585'N 004°16.003'W 60°18.969'N 004°28.181'W 60°25.356'N 004°28.448'W | 204 | 18/07/2018 - 31/08/2018 For 44 Days |
| TBC | 2m 5m | 60°54.166'N 002°18.160'W 60°56.983'N 002°13.044'W 60°56.650'N 002°12.210'W 60°53.800'N 002°17.260'W | 206 | 15/08/2018 - 31/01/2019 For 10 Days |
| CGG Services S.A Oceanic Vega LCHQ3 Geo Caribbean LADV8 | 8100m 12m | 61°44.688'N 001°01.932'W 61°19.254'N 000°12.106'W 60°30.438'N 002°02.603'W 60°54.677'N 002°50.383'W | 206, 207, 208, 209, 214 | 14/08/2018 - 31/10/2018 For 53 Days |
| MMT MV Stril Explorer LAZT7 | | 61°05.514'N 002°39.105'W 61°05.491'N 002°31.317'W 61°00.319'N 002°31.395'W 61°00.343'N 002°39.161'W | 214 | 10/08/2018 - 31/10/2018 For 15 Days |
| MG3 Survey (UK) Ltd MV Poseidon TFJC | 1200m 2m | 58°05.730'N 001°42.971'E 58°02.622'N 001°37.333'E 58°05.605'N 001°31.460'E 58°08.717'N 001°37.097'E | 16 | 10/08/2018 - 15/10/2018 For 7 Days |
| Baker Hughes West Hercules 3EOK9 | | 61°53.036'N 001°46.121'W | 208 | 09/08/2018 - 19/08/2018 For 1 Day |
| Axxis Geo Solutions AS Geo Caspian LACW8 Neptune Naiad YBUY2 Havila Fortune C6X05 Pacific Finder POFK | 140m 10m | 58°50.664'N 001°35.403'E 58°32.764'N 001°30.703'E 58°32.864'N 001°19.503'E 58°50.664'N 001°25.502'E | 16 | 05/08/2018 - 15/11/2018 For 10 Days |
| Polarcus Polarcus Alima C6XK4 Nordic Explorer C6TU3 | 8100m | 60°51.416'N 002°58.670'W 61°46.345'N 000°55.411'E 61°26.059'N 000°11.961'W 60°26.023'N 002°04.468'W | 206, 207, 208, 209, 214 | 01/08/2018 - 15/10/2018 For 60 Days |
| Fugro Fugro Venturer C6CG3 | | 60°16.582'N 004°27.157'W 60°17.085'N 004°27.678'W 60°18.884'N 004°20.614'W 60°18.381'N 004°20.095'W | 204 | 22/07/2018 - 30/09/2018 For 3 Days |
| DeepOcean Eda Flora - LAJW3 MV Fugro Synergy C6XR3 | | 59°54.516'N 001°59.911'E 59°54.547'N 002°04.582'E 59°51.091'N 002°04.678'E 59°51.057'N 002°00.018'E | 10 | 20/07/2018 - 31/10/2018 For 5 Days |
| Fugro GB (North) Marine Ltd MV Fugro Venturer C6CG3 | 1350m 3m | 60°59.100'N 002°52.640'W 60°56.100'N 002°48.920'W 60°54.240'N 002°55.260'W 60°57.230'N 002°58.990'W | 206 | 29/08/2018 - 02/09/2018 For 5 Days |
| Enquest heather Limited TBA | | 61°21.790'N 001°34.468'E 61°37.138'N 001°18.383'E | 211 | 01/07/2018 - 31/08/2018 For 10 Days |
| Nexen Petroleum UK Limited TBC | 1200m 3m | 60°25.775'N 003°13.733'W 60°34.933'N 003°13.798'W 60°34.944'N 002°55.183'W 60°25.785'N 002°55.205'W | 205, 206 | 01/07/2018 - 31/12/2018 For 4 Days |

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|--|--------------|--|--|---|
| Polarcus Polarcus Alima C6XK4 | 8100m | 62°32.419'N 000°32.816'W 61°18.117'N 002°27.134'W 61°18.405'N 003°32.036'W 62°32.925'N 001°47.243'W | 208, 213, 214, 216, 217 | 01/07/18 - 30/09/18 For 40 days |
| Fugro Fugro Venturer C6CG3 | 150m 3m | 60°34.984'N 002°47.011'W 60°36.573'N 002°47.365'W 60°45.864'N 002°32.027'W 60°45.825'N 002°27.932'W 60°42.219'N 002°24.514'W 60°36.132'N 002°25.962'W | 206 | 01/07/2018 - 31/08/2018 For 5 Days |
| Fugro Fugro Venturer C6CG3 | 1200m 3m | 58°14.205'N 001°11.911'E 58°14.329'N 001°21.103'E 58°09.481'N 001°21.327'E 58°09.357'N 001°12.156'E | 16 | 28/06/18 - 31/08/18 For 7 days |
| PGS Exploration (UK) Ltd Sanco Swift ZDKY8 | 8050m 25m | 58°37.662'N 001°35.230'W 58°37.229'N 000°57.453'W 58°29.785'N 000°56.162'W 58°21.945'N 000°54.777'W 58°22.577'N 002°41.718'W | 58°25.107'N 002°40.465'W 58°31.003'N 002°40.353'W 58°32.096'N 002°38.030'W 58°34.557'N 002°32.488'W 58°37.964'N 002°32.032'W 58°37.662'N 001°35.230'W | 19/06/18 - 31/10/18 For 39 days |
| Geo xyz bvba Geo Ocean II LXHX | 1300m 3m | 58°14.486'N 001°32.180'W 58°14.388'N 001°24.008'W 58°10.078'N 001°24.201'W 58°10.176'N 001°32.341'W | 12; 13; 14 13 | 18/08/2018 - 30/11/2018 For 4 Days |
| Fugro Fugro Venturer C6CG3 | 1200m 3m | 60°34.984'N 002°47.011'W 60°36.573'N 002°47.365'W 60°45.864'N 002°32.027'W 60°45.825'N 002°27.932'W 60°42.219'N 002°24.514'W 60°36.132'N 002°25.962'W | 206 | 17/06/2018 - 31/12/2018 For 6 Days |
| Fairfield Nodal Ocean Pearl - C6ZW4 Sanco Star - ZDIT8 | | 58°04.564'N 001°05.249'W 57°51.563'N 000°44.902'W 57°51.907'N 001°05.921'W 58°04.218'N 000°44.106'W | 13; 14; 19; 20 | 12/06/2018 - 31/12/2018 For 60 Days |
| EMGS ASA Atlantic Guardian LAEU6 | | 60°40.295'N 001°38.930'E 60°40.116'N 001°51.018'E 60°53.204'N 001°52.997'E 60°12.316'N 002°00.984'E 60°25.556'N 001°31.931'E | 3 | 11/06/18 - 31/08/18 For 20 days |
| Fugro Fugro Venturer C6CG3 | | 60°22.404'N 004°17.063'W 60°24.998'N 004°11.457'W 60°22.220'N 004°06.224'W 60°19.630'N 004°11.829'W | 204 | 29/05/2018 - 30/08/2018 For 16 Days |
| Fugro Survey Ltd M/V Fugro Galaxy C6YY4 | 230m 1m | 61°36.364'N 001°30.149'E 61°36.300'N 001°35.802'E 61°33.608'N 001°35.664'E 61°33.672'N 001°30.019'E | 211 | 01/05/2018 - 31/08/2018 For 7 Days |
| Schlumberger TBA | | 61°29.653'N 001°45.383'W | 208 | 01/05/2018 - 31/12/2018 For 0.5 Days |
| PGS Exploration (UK) Ltd Sanco Swift ZDKY8 | | 58°32.916'N 000°41.580'E 58°33.169'N 001°05.415'E 57°40.649'N 000°44.040'E 57°40.897'N 000°26.214'E 57°31.938'N 000°22.290'E | 57°31.984'N 001°01.209'W 58°32.939'N 000°36.390'W 58°32.968'N 000°23.598'W 58°38.976'N 000°21.037'W 58°39.644'N 000°44.314'E | 15/04/2018 - 31/10/2018 For 152 Days |
| CGG Services S.A Oceanic Vega LCHQ3 | 8000m 18m | 60°55.944'N 000°54.803'E 60°56.716'N 002°03.420'E 60°23.225'N 002°09.819'E 60°22.435'N 000°56.952'E | 14, 15, 16, 20, 21 2, 3 | 01/04/2018 - 30/09/2018 For 30 Days |
| Gardline Geo survey Ltd Ocean Kommandor PBQW Ocean Observer GHXX | 1200m 3m | 59°26.867'N 001°37.738'E 59°26.610'N 001°43.004'E 59°21.252'N 001°41.990'E 59°21.509'N 001°36.738'E | 9 | 21/03/2018 - 31/12/2018 For 2 Days |

Area 2 Survey List

Latest Update: 09 August 2018

| Company & Vessels | Towed Cable Length & Depth | Area Covered 1 (inc Quod Blocks) | Area Covered 2 (inc Quod Blocks) | Duration |
|---|----------------------------|--|--|--|
| Gardline Limited Ocean Reliance HP6391 Kommandor MCJ02 | 1200m 5m | 57°58.203'N 001°49.113'E 57°58.231'N 001°52.155'E 57°56.614'N 001°52.206'E 57°56.614'N 001°52.206'E 57°56.587'N 001°50.411'E | 22 | 01/09/2018 - 30/09/2018 For 7 Days |
| Gardline Survey Ltd. M/V Sea Explorer; C6NG6 M/V Kommander; MCJ02 | 1400m 3m | 57°52.245'N 001°51.637'E 57°52.360'N 002°05.844'E 57°43.962'N 001°51.898'E 57°44.075'N 002°06.051'E | 22, 23 | 16/08/2018 For 20 Days |
| Fugro Survey Ltd Fugro Galaxy C6YY4 | | 56°30.434'N N 02°08.542'E 56°39.310'N 02°24.154'E | 30 | 28/07/2018 - 30/11/2018 For 1 Day |
| Fugro Survey Ltd Fugro Galaxy C6YY4 | | 56°46.020'N 001°26.864'E 56°42.248'N 001°26.719'E 56°42.300'N 001°22.138'E 56°41.402'N 001°22.106'E 56°41.476'N 001°15.124'E 56°41.601'N 001°15.128'E | 56°41.629'N 001°12.279'E 56°45.402'N 001°12.400'E 56°45.332'N 001°19.267'E 56°45.260'N 001°19.264'E 56°45.253'N 001°19.966'E 56°46.096'N 001°19.966'E 29 | 28/07/2018 - 30/11/2018 For 12 Days |
| Fugro Survey Ltd Fugro Galaxy C6YY4 | | 57°10.016'N N 02°15.511'E 56°43.514'N 01°42.901'E | 23, 29, 30 | 23/07/2018 - 30/11/2018 For 5 Days |
| MG3 Survey(UK) Ltd MV Poseidon TFJC | 1200m 5m | 57°59.628'N 001°44.719'E 58°00.987'N 001°53.845'E 57°55.255'N 001°56.838'E 57°53.907'N 001°47.698'E | 16, 22 | 20/07/2018 - 26/09/2018 For 21 Days |

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|---|--------------|--|--|---|
| PGS Exploration (UK) Limited Ramform Atlas C6AX2 | 8100m 25m | 57°30.178'N 002°05.985'E 57°28.672'N 002°07.408'E 57°29.544'N 002°10.354'E 56°59.326'N 002°25.298'E 56°55.457'N 002°12.398'E 56°58.827'N 002°09.283'E | 57°21.786'N 001°47.777'E 57°27.464'N 001°42.378'E 57°29.988'N 001°50.825'E 57°31.984'N 001°57.539'E 57°33.541'N 002°02.800'E | 15/08/2018 - 31/10/2018 For 33 Days |
| Fugro Survey Ltd MV Fugro Galaxy C6YY4 | 1300m 3m | 56°48.749'N 001°31.639'E 56°53.060'N 001°31.815'E 56°52.959'N 001°39.689'E 56°48.649'N 001°39.498'E | 22, 23, 30 29 | 12/08/2018 - 30/11/2018 For 4 Days |
| Fugro Survey Ltd MV Fugro Galaxy C6YY4 | 1300m 3m | 57°07.974'N 002°11.272'E 57°12.283'N 002°11.527'E 57°12.140'N 002°19.466'E 57°07.832'N 002°19.195'E | 23 | 08/08/2018 - 30/11/2018 For 4 Days |
| PGS Exploration (UK) Limited MV Bravo Sapphire MV Storm West | 8050m 25m | 57°48.597'N 001°38.793'W 57°46.208'N 001°47.305'W 57°46.147'N 001°52.642'W 57°45.323'N 002°16.713'W 57°47.782'N 002°27.776'W 58°02.415'N 002°58.171'W 58°08.706'N 002°40.983'W 58°10.901'N 002°41.665'W 58°22.503'N 002°08.802'W 58°27.306'N 001°55.494'W 58°25.804'N 001°35.856'W 58°18.961'N 001°36.019'W 58°11.284'N 001°19.039'W 58°07.305'N 001°27.943'W 57°59.424'N 001°10.758'W | 12, 13, 18, 19 | 09/08/2018 - 31/10/2018 For 74 Days |
| Shearwater GeoServices Ltd MV Polar Duchess 5BJC3 | | 57°59.027'N 000°47.891'E 57°55.780'N 001°05.202'E 57°33.224'N 000°55.172'E 57°35.554'N 000°37.378'E | 21, 22 | 20/07/2018 - 31/10/2018 For 4 Days |
| Fraser Well Management Limited | | 58°18.540'N 003°12.096'W 58°17.240'N 003°09.614'W 58°15.574'N 003°12.759'W 58°16.873'N 003°15.241'W | 11 | 09/07/2018 - 30/09/2018 For 3 Days |
| Fugro Survey Ltd Fugro Venturer C6CG3 | | 56°54.073'N 002°22.905'E 56°41.883'N 002°20.129'E | 30 | 01/07/2018 - 30/11/2018 For 5 Days |
| Fugro Survey Ltd Fugro Venturer C6CG3 | | 56°54.073'N 002°22.905'E 57°01.893'N 001°57.228'E | 22, 23, 30 | 01/07/2018 - 30/11/2018 For 5 Days |
| Enesco Drilling Rig Contract Enesco 101 | | 57°24.307'N 001°35.904'E | | 17/06/2018 - 15/10/2018 For 13.5 Day |
| CGG Geo Coral - LACA8 Geowave Caribbean LADV8 | 15m 7m | 58°53.605'N 001°35.569'E | 16 | 01/05/2018 - 01/10/2018 For 1 Day |
| Gardline Geosurvey Ltd MV Ocean Kommandor PBQW Sea Explorer C6NG6 | | 57°19.242'N 001°37.327'E 57°17.775'N 001°42.500'E 57°14.904'N 001°39.865'E 57°11.521'N 001°45.451'E 57°09.441'N 001°47.017'E 57°07.265'N 001°37.481'E 57°15.200'N 001°33.264'E | 22 | 21/03/2018 - 31/12/2018 For 3 Days |

Area 3 Survey List

Latest Update: 09 August 2018

| Company & Vessels | Towed Cable Length & Depth | Area Covered 1 (inc Quod Blocks) | Area Covered 2 (inc Quod Blocks) | Duration |
|---|----------------------------|--|--|---|
| Fugro GB (North) Marine Limited MV Fugro Venturer C6CG3 | | 54°04.700'N 000°27.287'E 54°04.758'N 000°30.035'E 54°03.142'N 000°30.132'E 54°03.084'N 000°27.385'E 54°04.181'N 000°28.235'E 54°04.200'N 000°29.151'E 54°03.661'N 000°29.184'E 54°03.642'N 000°28.268'E | 42 | 31/08/2018 - 30/09/2018 For 1.5 Days |
| Fugro GB (North) Marine Limited MV Fugro Venturer C6CG3 | | 53°52.990'N 001°13.837'E 53°52.949'N 001°11.100'E 53°51.332'N 001°11.170'E 53°51.372'N 001°13.905'E 53°52.423'N 001°12.035'E 53°52.437'N 001°12.947'E 53°51.898'N 001°12.970'E 53°51.884'N 001°12.058'E | 48 | 31/08/2018 - 30/09/2018 For 1.5 Days |
| Fugro GB (North) Marine Limited MV Fugro Venturer C6CG3 | | 53°58.569'N 001°11.748'E 53°58.610'N 001°14.491'E 53°56.992'N 001°14.559'E 53°56.952'N 001°11.818'E 53°58.044'N 001°12.685'E 53°58.057'N 001°13.599'E 53°57.518'N 001°13.622'E 53°57.504'N 001°12.708'E | 48 | 31/08/2018 - 30/09/2018 For 1.5 Days |
| Fugro GB (North) Marine Limited MV Fugro Venturer C6CG3 | | 53°54.843'N 001°08.765'E 53°52.382'N 001°16.887'E 53°48.545'N 001°13.554'E 53°51.003'N 001°05.441'E | 48 | 31/08/2018 - 30/09/2018 For 9 Days |
| Fugro Survey Limited TBC | | 52°37.139'N 002°46.842'E | 53 | 03/09/2018 - 12/12/2018 For 8 Days |
| Benthic Solutions Limited TBC | | 52°51.897'N 001°27.768'E 52°52.184'N 001°28.240'E 52°51.843'N 001°28.699'E 52°52.128'N 001°28.184'E | 52 | 08/08/2018 - 30/09/2018 For 7 Days |
| Perenco Bibby Athena | | 1km x 1km around Pickerill B Platform 53°31.496'N 1°09.640'E | Along the inter-field pipelines Pickerill B to Pickerill A Platform 53°32.998'N 1°04.642'E | 07/08/2018 - 10/08/2018 Approx. 3 Days |

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|--|-------|--|------------|--|
| Fugro Survey Limited M.V. Fugro Venturer C6CG3 | | 53°03.105'N 1°33.974'E 53°09.187'N 1°33.771'E 53°11.495'N 1°37.955'E 53°11.712'N 1°59.743'E 52°55.954'N 2°00.108'E 52°55.826'N 1°46.385'E | 48, 52 | 31/07/2018 - 30/09/2018 Approx. 30 Days |
| Fugro Survey Limited Skandi Olympia C6XY8 Fugro Valkyrie 2BWA9 or Fugro Seeker 2HCS2 | | 53°08.532'N 001°39.721'E 53°04.626'N 001°55.600'E 53°00.862'N 001°32.305'E 52°58.587'N 001°50.850'E 52°58.541'N 001°36.046'E 52°53.094'N 001°25.851'E 52°51.046'N 001°29.324'E | 48, 52 | 30/07/2018 - 31/10/2018 For 50 Days |
| Fugro Survey Limited MV Fugro Venrurer C6CG3 | 1200m | 52°39.081'N 002°43.500'E 52°39.093'N 002°49.708'E 52°35.317'N 002°49.723'E 52°35.306'N 002°43.523'E | 53 | 31/07/2018 - 30/09/2018 For 10 Days |
| Gardline Ltd MV Vigilant PBNX | | 53°39.007'N 002°03.370'E 53°45.729'N 001°42.282'E 53°43.460'N 001°53.773'E 53°21.377'N 002°02.315'E 53°22.652'N 002°06.616'E 53°19.055'N 002°05.664'E 54°14.580'N 002°09.171'E | 49, 48, 44 | 01/07/2018 - 15/08/2018 For 7 Days |

Area 4 Survey List

Latest Update: 09 August 2018

| Company & Vessels | Towed Cable Length & Depth | Area Covered 1 (inc Quod Blocks) | Area Covered 2 (inc Quod Blocks) | Duration |
|----------------------------|----------------------------|--|----------------------------------|---------------------------------------|
| Fraser Well Management Ltd | 700m | 50°40.405'N 001°47.687'W 50°38.150'N 001°47.687'W 50°38.150'N 001°52.150'W 50°40.426'N 001°52.126'W | 98 | 20/07/2018 - 31/10/2018 For 3 Days |

Area 5 Survey List

Latest Update: 09 August 2018

| Company & Vessels | Towed Cable Length & Depth | Area Covered 1 (inc Quod Blocks) | Area Covered 2 (inc Quod Blocks) | Duration |
|--|----------------------------|--|----------------------------------|--|
| James Fisher & Sons plc Halcyon days MDFP2 Fast Fisher 2GGN4 | | 53°23.240'N 003°25.270'W 53°23.215'N 003°21.398'W 53°21.397'N 003°18.967'W 53°21.077'N 003°23.251'W | 110 | 01/05/2018 - 31/12/2018 For 25 Days |