

# The Kingfisher Bulletin

## Offshore News

OIL AND GAS

26 JULY 2018 | ISSUE 15

Shaded blocks indicate activity.

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1. Notice to Fishermen
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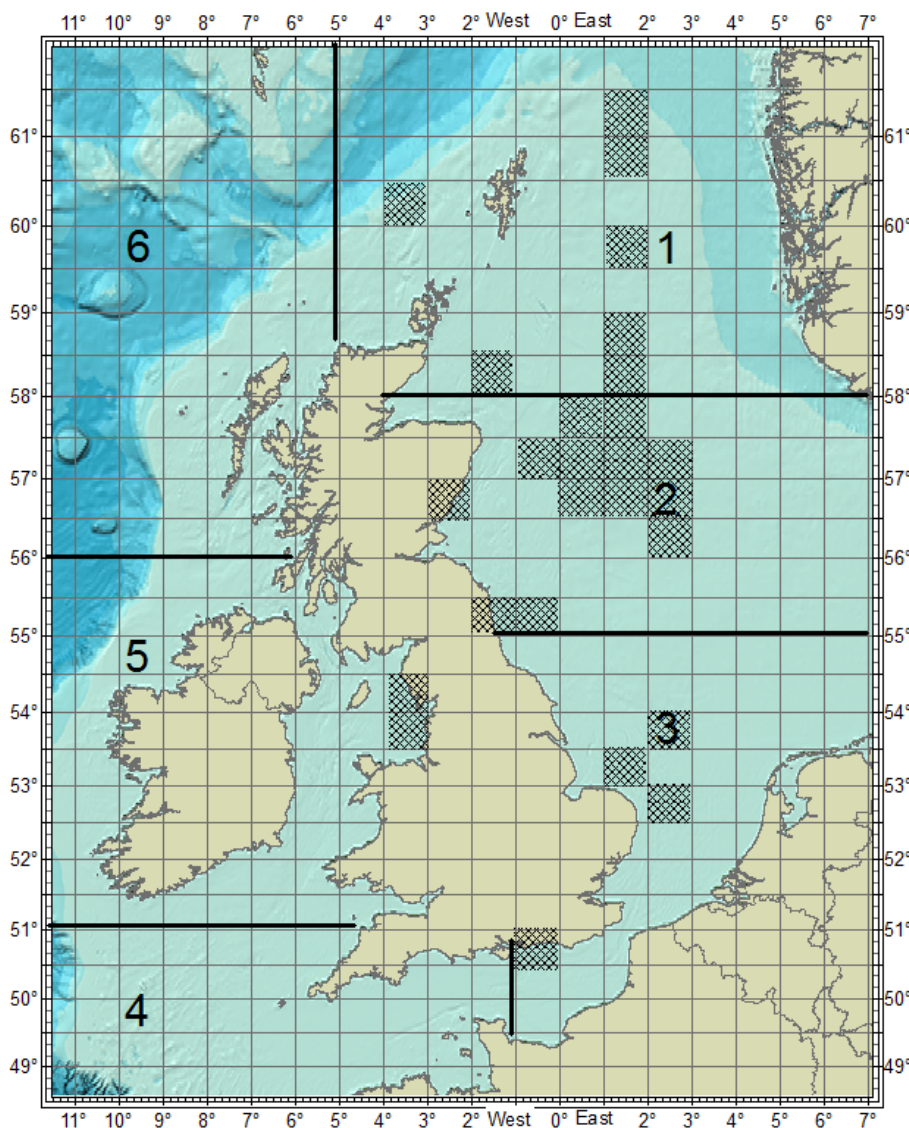
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## Support

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](http://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 <a href="mailto:Carolyn.Toshney@cnrl.com">Carolyn.Toshney@cnrl.com</a>	
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: <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
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

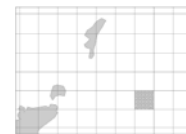
First Published: 19 April 2018 | Latest Update: 19 July 2018

## 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](mailto: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](mailto: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](mailto:david.colliard@total.com)

## 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.

	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@cnr.com](mailto:Carolyn.Toshney@cnr.com)



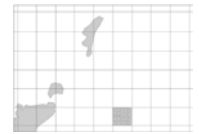
## Seabed Activity

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

## Ivanhoe &amp; 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: [KMcWilliam@hess.com](mailto:KMcWilliam@hess.com)

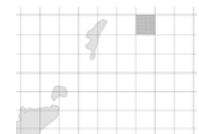
## Seabed Activity

First Published: 14 June 2018 | Latest Update: 24<sup>th</sup> July 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
Normand Pioneer	Fly-By Umbilical Pre-Cut Trench	06/07/2018	26/07/2018
Normand Vision	Riser Base & Riser Installation	20/07/2018	01/08/2018
Deep Energy	Pipelay	10/08/2018	22/08/2018
Skandi Africa	Pre-Commissioning, Metrology & Survey Support	17/08/2018	04/09/2018
Normand Pioneer	Pipeline Trenching	21/08/2018	27/08/2018
Normand Pioneer	Pipeline & Umbilical Back-Filling	27/08/2018	09/09/2018
Iertnes	Rock Dumping	14/09/2018	20/09/2018
Deep Explorer Ph1	Diving - Tie-Ins & SSIV Installation	20/08/2018	28/08/2018
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](mailto:sdempster@petrex.co.uk)

## 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: [y.munro@shell.com](mailto:y.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 28<sup>th</sup> and August 30<sup>th</sup> 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](mailto: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](mailto: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](mailto:Pat.Dasgupta@chevron.com)

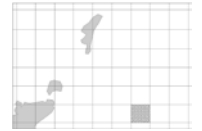
**Balmoral Area** – Well Intervention

**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](mailto:mSwankie@premier-oil.com)

**Lancaster Field** – Development

**Manifold and pipeline installation works will be undertaken by the Normand Vision and the Deep Explorer in the Lancaster field. The work will extend from the manifold location to the future Aoka Mizu FPSO location.**

The manifold will be installed near the Lancaster 6 and 7z wells, 2 x flexible flowlines and 1 x static dynamic umbilical will be laid from the manifold to the location of the FPSO. These lines will be connected to the submerged turret mooring system buoy prior to the FPSO coming on station. Jumpers will be installed and connected between the manifold and the already installed xmas trees. In addition, there will be rock dumping activities carried out in the same location once all installation and connection work is completed.

The earliest start date for operations to commence is 22<sup>nd</sup> July and the operations are expected to last approximately one month. The rock dumping activities are estimated to be carried out between 1<sup>st</sup> September and 31<sup>st</sup> October 2018. The installation operations will be undertaken from the following vessels: Normand Vision, Deep Explorer

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

	Coordinates
Aoka Mizu FPSO Turret Centre	60° 10.794' N 03° 52.196' W
LDC5 Manifold Centre	60° 11.947' N 03° 51.859' W



For further information: Jo Valentine, Hurricane Energy, T +44 1224 548580 email: [Jo.Valentine@hurricaneenergy.com](mailto:Jo.Valentine@hurricaneenergy.com)

**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](mailto: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](mailto: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](mailto: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.**



A drilling template has been installed which is of an over-trawlable design to minimise any potential harm to fishing activities. In addition, drilling activities are scheduled at this location commencing around October 2018. Further details will be provided once available.

The co-ordinates for the proposed 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)

## Nexen Cragganmore – Drilling Operations

Nexen Petroleum UK Limited is to carry out a drilling operation at the Cragganmore location in UK Licence Block 208/17a, located West of Shetland.



Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
COSL Prospector Esvagt Cassiopeia	Cragganmore	61°28.979'N 001°45.494'E	07/07/2018	111 Days

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

## Notice to Fishermen

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

The above freespans are located in a 3km section of pipeline and a Guard Vessel has been assigned to the area.

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](mailto: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](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: 26 July 2018 | Latest Update: 26 July 2018

## 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

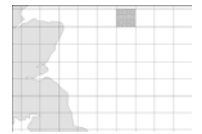
For further information: Colin Strachan, Nexen Petroleum UK Ltd, +44(0)7843 258613

## Seabed Activity

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

## Huntington Field – Well Operations

Well intervention works using Light Well Intervention Vessel (LWIV) are to be carried out in the Huntington Field (block 22/14b) at the H2 well location to remove a Multi Cycle Fluid Loss Control Valve (MC-FLCV) ahead of future works to convert the well from a producer, into a water injector in due course.



The work is planned to commence on 16th July 2018, for a period of up to 21 days. The operations will be undertaken from the following vessel: Island Constructor.

The co-ordinates for the operations at the H2 well are 57°35.971'N 01°38.611'E

For further information: Stuart Kirk, Premier Oil, Tel 01224 278156 [skirk@premier-oil.com](mailto:skirk@premier-oil.com)

## Seabed Activity

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

## Lomond – Diving and Pipeline Activities

The DSV Subsea 7 Pelican (call sign C6RE7) 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 3 weeks starting from 22nd July 2018.



The work will include removal of concrete coating, installation of hot taps and flushing at a number of locations in preparation for tie-in works. The pipelay vessel Seven Navica will be carrying out 8-inch pipeline installation activities in the same area for a period of approximately 2 weeks from 27th July 2018.

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

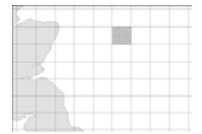
For further information: Emily Eadington, Chrysaor, tel. +44 (0) 1224 086393, email [Emily.Eadington@chrysaor.com](mailto:Emily.Eadington@chrysaor.com)

## Seabed Activity

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

## Cairn Energy Ekland – Drilling Operations

Cairn Energy is to carry out a drilling operation at the Ekland location in UK Licence Block 22/18, located in the Central North Sea.



Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
EnSCO 101 Grampian Dynasty	Ekland	57°24.207'N 001°35.904'E	11/07/2018	62 Days

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

## Seabed Activity

First Published: 11 August 2017 | Latest Update: 14<sup>th</sup> June 2018

## 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.



The platform installations shall be conducted by the SSCV Thialf with a planned installation window of 22nd June to 31st July 2018.

The above work will take place at the following locations:

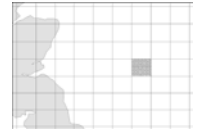
Location	Coordinates
Culzean ULQ Platform Centre	57°11.415'N 001°54.473'E
Culzean CPF Platform Centre	57°11.475'N 001°54.582'E
Culzean WHP Platform Centre	57°11.545'N 001°54.683'E

For further information: Kevin Grant, Tel: +44 (0) 1224 599416, Email: [kevin.grant@maerskoil.com](mailto:kevin.grant@maerskoil.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](mailto: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:

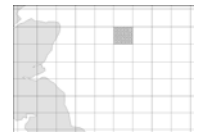
Location	Coordinates
Nelson Field - Platform	57°39.734'N 001°08.640'E
Nelson South Satellite - Manifold	57°36.961'N 001°11.405'E
Tie-in Skid	57°39.668'N 001°08.819'E

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

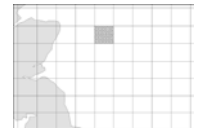
- Cayley drill centre 57°25.167'N 01°13.804'E
- Cayley/Montrose intermediate towhead 57°26.160' N 01°18.420' E
- Shaw production drill centre 57°17.813'N 01°21.755'E
- Shaw WI drill centre 57°17.369'N 01°22.299'E

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](mailto:James.Harper@repsolsinopecuk.com) James Smith Tel: 01224353458 email: [James.Smith@repsolsinopecuk.com](mailto: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 5<sup>th</sup> Aug – 9<sup>th</sup> Aug  
Activity: Carrying out Pre-Lay surveys and crossing installations & 6" Flexible

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

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

The Vessels will be working in the following areas:

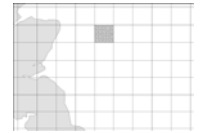
Location	Coordinates
Gannet C4 GC4-04 Well	57°08.311'N 00°57.211'E
Tie-In Point of PL2219 Adjacent to Gannet C1 GC1-04 Well	57°10.123'N 00°56.717'E
Adjacent to Bundle 4 Towhead (C4 end)	57°08.365'N 00°57.303'E

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

## Gannet E Field – Flexibles, Umbilicals & Structure Installations

### Deep Explorer (Technip) – Infield 02/07/18 – Depart Field on 14/07/18

- Gannet E tie ins on Bittern P2 oil line & Gaslift line at the Riser base
- Bittern P1 flowline disconnection between DCA & DCB



### CSV – North Sea Atlantic (Technip) Gannet E scopes – Infield 06/07/18 – Depart Field on 18/07/18

- Laying of Gannet E Flow line and Static umbilical
- Installation of Valve skid – SWC close proximity
- Laying of Gannet E jumpers – in the SWC
- Installation of Gannet E manifold & flow lines –open water
- Laying of Bittern Water injection replacement flowline between DCA & DCB

### TSV – Normand Pioneer (Technip) Gannet E scopes – Infield 29/06/18 – Depart Field on 14/07/18

- Trenching of Gannet E flow lines & static umbilical – SWC close proximity
- Back fill of Gannet E flow lines

### 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 W1 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

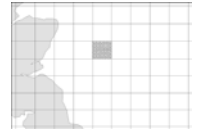
Location	Coordinates
Bittern Drill Centre 'A' Production Manifold	56°54.141'N 001°02.141'E
Triton FPSO Topside Pig Trap Isolation	57°04.998'N 000°53.452'E
Bittern Well WA	56°54.116'N 001°02.131'E
Adjacent to Bittern Drill Centre 'B' Production Manifold	56°55.009'N 001°01.450'E

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

**Deployment of Buoys**

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

**Stonehaven Bay – Waverider Buoy**

**The buoy is 0.9 m in diameter, yellow in colour and is equipped with a flashlight. The colour and flash pattern, group of 5 yellow flashes every 20 seconds.**

Coordinates
56°57.975'N 02°11.337'W



The buoy was installed on 11/6/2018 and all going well we anticipate the buoy remaining in place until the end of the licence period, which is 31/5/2019.

*For further information: Tom O'Donoghue, CEng FICE, University of Aberdeen, Tel: +44(0)1224 272508 email: t.odonoghue@abdn.ac.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: 12 July 2018 | Latest Update: 12 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 22nd 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	20/07/2018	30 Days

For further information: Mark Ryan, Petrofac, Tel: +44(0)1224 247 000 email: [mark.ryan@petrofac.com](mailto: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](mailto: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](mailto:phillip.jones@ineos.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](mailto:john.watson@spirit-energy.com)

**Area 1 Rig List**

Latest Update: 23 July 2018

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
<b>New</b>	Rowan Viking	58°00.20'N 00°22.70'W		Blackford Dolphin	60°18.70'N 04°20.30'W
	Rowan Gorilla 7	58°01.70'N 01°42.90'E		Deepsea Aberdeen	60°20.10'N 04°02.30'W
<b>New</b>	Ocean Guardian	58°18.10'N 01°42.40'W		Safe Caledonia	60°44.10'N 02°29.40'W
<b>New</b>	Ocean Valiant	58°22.50'N 00°56.40'E		West Hercules	60°49.10'N 04°09.20'W
	Maersk Integrator	58°34.30'N 01°41.80'E		Songa Equinox	60°49.80'N 03°34.30'E
	COSL Innovator	58°48.50'N 02°16.10'E		Songa Endurance	60°49.90'N 03°36.10'E
	Deepsea Bergen	58°49.10'N 01°51.90'E		Stena Don	60°55.90'N 02°14.10'W
	Maersk Interceptor	58°55.30'N 02°11.90'E	<b>New</b>	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	<b>New</b>	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	<b>New</b>	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: 23 July 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		West Phoenix	57°10.00'N 00°49.50'E
	Noble Sam Turner	55°48.20'N 04°33.60'E		Maersk Highlander	57°11.70'N 01°54.80'E
<b>New</b>	Maersk Resolve	55°52.80'N 04°13.90'E	<b>New</b>	COSL Pioneer	57°50.90'N 00°38.60'W
	Transocean Leader	56°11.90'N 02°45.90'E		Stena Spey	57°55.30'N 00°54.10'W
	EnSCO 120	56°43.50'N 02°12.50'E		Paul B Loyd Jnr	57°58.20'N 00°53.70'E
	EnSCO 100	56°44.60'N 00°40.70'E			

**Area 3 Rig List**

Latest Update: 23 July 2018

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
<b>New</b>	Maersk Resolute	52°14.30'N 03°47.40'E		Seafox 1	53°42.20'N 01°09.00'E
<b>New</b>	Seafox 2	53°00.31'N 02°53.77'E		Paragon B391	53°50.50'N 02°52.10'E
	Seafox 4	53°04.60'N 02°11.10'E		Noble Hans Deul	53°56.40'N 02°44.80'E
	EnSCO 72	53°08.40'N 03°02.60'E		Seafox 2	54°04.40'N 00°54.90'E
	590021	53°14.00'N 03°14.50'E	<b>New</b>	Paragon C20051	54°06.80'N 00°27.60'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°14.80'N 02°01.40'E		EnSCO 121	54°35.70'N 00°26.00'E
	Prospector 1	53°28.40'N 04°29.40'E			

**Area 5 Rig List**

Latest Update: 23 July 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: 26 July 2018

### 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

### Blackford Dolphin – Foinaven Drill Centre 1

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	60°18.673'N 04°20.438'W	3	60°19.695'N 04°21.122'W	6	60°18.113'N 04°18.598'W
1	60°18.282'N 04°23.091'W	4	60°19.309'N 04°19.309'W	7	60°17.339'N 04°20.077'W
2	60°19.172'N 04°22.944'W	5	60°19.113'N 04°18.466'W	8	60°17.483'N 04°21.801'W

### 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

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

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 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	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	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	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	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
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		57°12.412'N 001°58.138'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

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
BP Exploration Geo Coral Geo Caribbean	14 x 3.6Km streamers	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	204	20/07/2018 - 27/08/2018 For 45 Days
MMT (UK) Limited Stril Explorer LAZT7		60°50.117'N 004°07.114'W 60°16.936'N 003°48.352'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) L:td 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
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 GB (North) Marine Ltd MV Fugro Venturer C6CG3		58°28.100'N 001°09.766'W 58°28.232'N 001°05.663'W 58°25.950'N 001°09.512'W 58°26.082'N 001°05.412'W	13	01/06/2018 - 31/07/2018 For 4 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 Fugro Venturer C6CG3		60°20.802'N 004°22.803'E 60°20.748'N 004°18.203'E 60°16.859'N 004°15.801'E 60°15.756'N 004°18.172'E 60°16.044'N 004°23.469'E 60°16.897'N 004°25.083'E 60°19.840'N 004°24.868'E	204	28/05/2018 - 28/07/2018 For 3 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
TBC		58°15.633'N 000°12.424'E 58°13.520'N 000°13.387'E		30/04/2018 - 31/07/2018 For 3 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: 26 July 2018

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Fugro Survey Ltd Fugro Galaxy C6YY4		56°30.434'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°19.996'E	28/07/2018 - 30/11/2018 For 12 Days
Fugro Survey Ltd Fugro Galaxy C6YY4		57°10.016'N 02°15.511'E 56°43.514'N 01°42.901'E	29 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

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	22, 23, 30	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	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 Sanco Swift ZDKY8	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	03/08/2018 - 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
Gardline Geo Survey MV Ocean Vantage HP6188		57°21.200'N 001°46.820'E	22	11/07/2018  For 14 Day
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
Shearwater GeoServices M/V Polar - 5BJC3 Sanco Sky - ZDHW8 Glomar - HO4049 Harrier Explorer 3EIE3 Nordic Explorer C6TU3 CGG	6700m 8m	57°18.847'N 001°45.761'E 57°06.773'N 001°24.837'E 56°45.334'N 002°06.344'E 56°56.848'N 002°26.500'E 56°57.997'N 002°25.943'E	22; 23; 29; 30	15/05/2018 - 07/07/2018  For 26 Days
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: 26 July 2018

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
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
Horizon Geosciences Ltd Komandor Stuart MPQH3		54°02.394'N 000°26.487'E 53°40.112'N 000°08.232'E	42, 47	28/06/2018 - 31/07/2018 For 28 Days

## Area 4 Survey List

Latest Update: 26 July 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: 26 July 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