

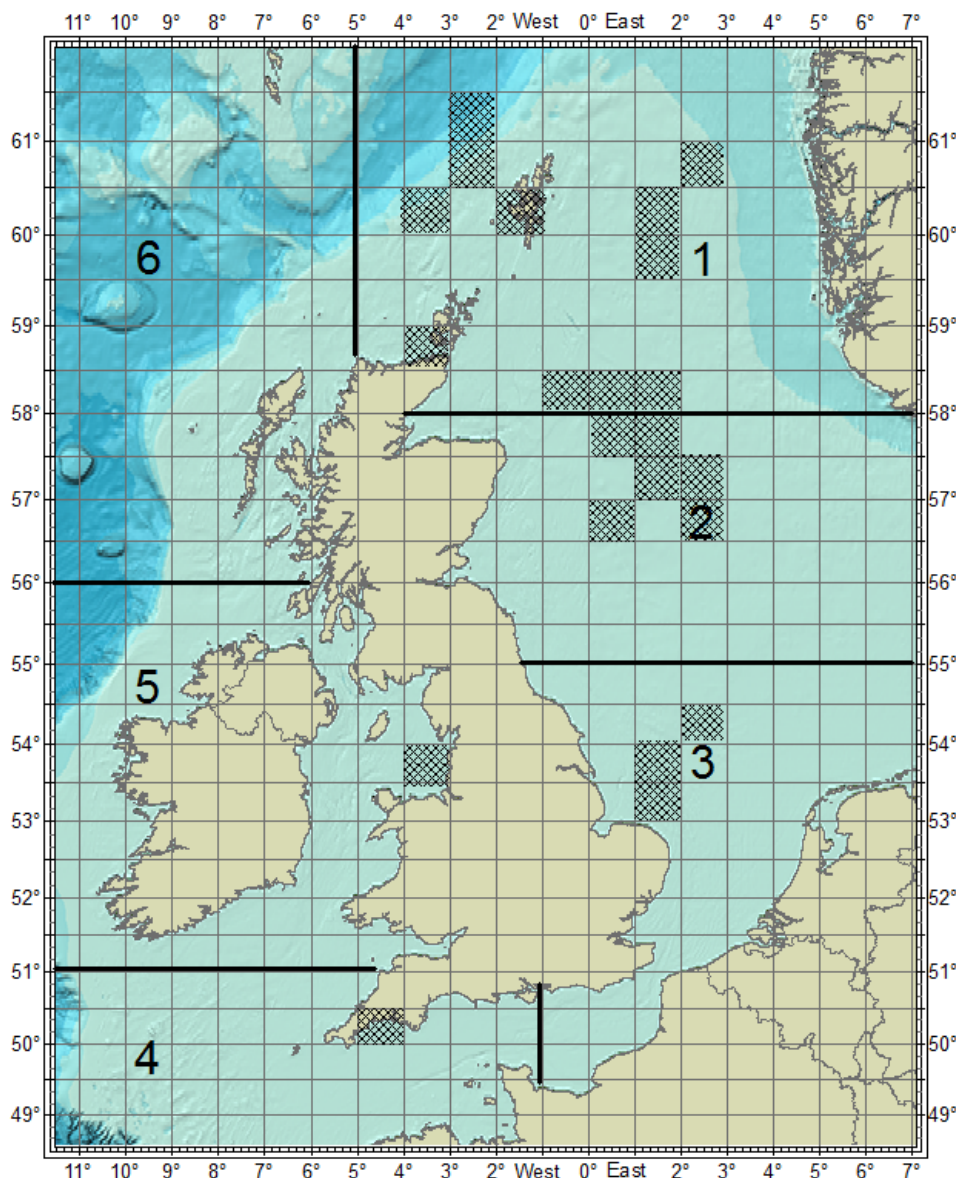
# The Kingfisher Bulletin

## Offshore News

OIL AND GAS

03 MAY 2018 | ISSUE 09

Shaded blocks indicate activity.



What's inside?

### New Hazards (-)

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STAY UP TO DATE - ALWAYS ENSURE YOU HAVE THE LATEST KINGFISHER BULLETIN AND OFFSHORE FISHING PLOTTER DATA ON-BOARD.

## Support

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



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



## Information

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

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

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## Notice to Fishermen

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

## Fishing Hazard – Murchison Wellhead Protection Structure



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

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



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

Well 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@cnrl.com](mailto:Carolyn.Toshney@cnrl.com)

## Notice to Fishermen

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

## Fishing Hazard – Installation of CAN-ductor



The Normand Vision will wait for a suitable weather window, possibly 21<sup>st</sup> earliest and then move to the location below to install a subsea structure.

60°49.084'N 04°09.953'W

The CAN-ductor is a specially designed cylindrical suction anchor, containing an integrated continuous 36" x 30" x 26" conductor pipe. The outer structure is anticipated to have a diameter of approximately 6 m and a surface area of 28.3 m<sup>2</sup>. It will be brought to the Cambo well location and installed by the Normand Vision possibly 21<sup>st</sup> February 2018, a high capacity construction support vessel (CSV).



For further information: Gavin Kerr, AGR, Tel: +44 1224 629 000 email: [Gavin.kerr@agr.com](mailto:Gavin.kerr@agr.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: 02 November 2017 | Latest Update: 16 March 2018

## Fishing Hazard - Mariner Field – Debris Large Tyre Fender



Please be advised that a large tyre/fender was found by the vessel Boy Andrew that could not be recovered to shore. The origin of this item is not known but it is reported for fishing awareness.

Approximate Position: **59°36.400'N 001°08.500'E (approximate)**



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

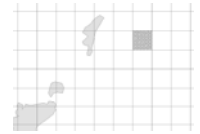
## Notice to Fishermen

First Published: 15 June 2017 | Latest Update: 15 June 2017

**Abandoned Wellhead – Plugged and Abandoned**

Please be advised that the abandoned wellhead below, No overtrawlability trial done yet, rough ground may be experienced.

<b>Structure</b>	<b>Operator</b>	<b>Position</b>
3/30-7	Total	60°03.710'N 001°59.140'E



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: 03 May 2018 | Latest Update: 03 May 2018

**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)

## Seabed Activity

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

**Murchison – Decommissioning Activity**

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

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

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

The co-ordinates for the operations are listed below:

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



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



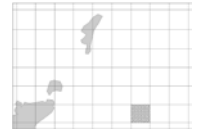
## Seabed Activity

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

## Toni/Thelma – Development &amp; Diving Activity

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

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



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

The co-ordinates for the operations are listed below:

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

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

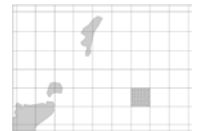
## Seabed Activity

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

## Miller Field – Miller Platform Decommissioning Activity

Please be advised that from the 15th May 2018, the Saipem S7000 Heavy Lift Vessel will be in Miller field to undertake several removal campaigns, through to August 2018.

The Miller Topside and Jacket structures will be removed from the Miller field and transported to Norway for disposal. Four trips are expected during this period. There will be significant SIMOPS with several vessels within the 500m safety zone, including the Offshore Construction Vessel, Skandi Neptune.



Position: 58°45.000'N 001°19.800'E

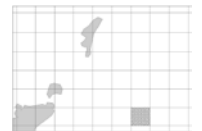
For further information: Alistair Bridges, Petrofac Facilities Management Ltd, +44(0)1224 345425 [alistair.bridges2@petrofac.com](mailto:alistair.bridges2@petrofac.com)

## Seabed Activity

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

## Maria Field in Block 16/29a – Drilling Operations

The Rowan Gorilla VII is currently in Dundee. Chrysaor are planning to tow the rig to a drilling location in Block 16/29a at the Maria subsea development. The tow is expected to commence on the 19th April and is expected to take approximately 2 days with the rig due on location on 21st April 2018 (at the earliest).



Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Rowan Gorilla VII	16/29a	58°01.663'N 001°42.908'E	19/04/2018	160 Days

For further information: Norman Deans, Chrysaor North Sea Ltd, Tel: +44 1224 086000 email: [norman.deans@chrysaor.com](mailto:norman.deans@chrysaor.com)

## Seabed Activity

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

## Cambo Field – Drilling Operations

The West Hercules semi-submersible drilling rig, owned and operated by North Atlantic Drilling UK Ltd. will be leaving Norway on or around Monday 23rd April to arrive at the location on or around the 25th April for approx 75days.



Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
West Hercules	Cambo	60°49.119'N 004°09.241'W	25/04/2018	75 Days

For further information: Gavin Kerr, AGR Tel: +44 1224 629 000 email: [Gavin.kerr@agr.com](mailto:Gavin.kerr@agr.com)

**Beryl Field – Wellhead Jumper Replacement**

Apache North Sea are planning to conduct an inspection and replacement of wellhead controls jumpers in the Beryl Field.

Wellhead controls jumpers between the FNT SUTU and Production Well 9/13b-69 are to be replaced by divers. The earliest start date for operations to commence is 8th April. The operations are expected to last for one week. The operations will be undertaken from the following vessel: Seven Falcon DSV

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

	Coordinates
FNT SUTU	59°35.600'N 01°26.910'E
Well 9/13b-69	59°35.602'N 01°26.917'E

For further information: Patrick Duggan, Apache North Sea, Tel: +44 1224 505479 email: [patrick.duggan@apachecorp.com](mailto:patrick.duggan@apachecorp.com)

**Lancaster Field – Well Intervention Operations**

Petrofac Facilities Management Ltd (PFML) will shortly start well intervention operations in the Lancaster field to the west of Shetland.

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

Operations will be undertaken by the Transocean Paul B Loyd Jr (PBLJ) anchored semi-submersible drilling rig. Operations are currently expected to commence on 14th April 2018 and expected to last approximately 60 days, however I will send an update with updated timings should there be any delays.

For further information: Mark Ryan, Petrofac, Tel: +44(0)1224 247000 email: [mark.ryan@petrofac.com](mailto:mark.ryan@petrofac.com)

**Western Isles South Drill Centre – Drilling Operations**

Dana are planning to drill at the Western Isles South Drill Centre. The rig will be on location from the 1st April for approximately 86 days. The Transocean Leader will undertake the drilling operations.

Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Transocean Leader	LI-2	61°11.755'N 000°43.626'E	01/04/2018	86 Days

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

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

Please note that as of March 19th, 2018, the Martin Linge field has been handed over from Total Norge to Statoil (Equinor). There will be no further update as of now from TEPUK in the Kingfisher Bulletin.

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



**Balmoral Area** – Pipeline Flushing

The Balmoral Field Pipeline Flushing campaign is to be completed by Premier Oil in preparation for abandonment of some of the existing Balmoral subsea assets. In addition to the abandonment works, some maintenance activities will take place.



This campaign will consist of the following activities:

- Tree barrier testing and flushing of a number of Balmoral Area pipelines.
- Tree preparations.
- Reinstatement of Main Control Umbilical Buoyancy.
- Reinstatement of signal cable restraint.
- Protection structure removal.

Vessel: Seven Falcon Schedule: 12th April – End of May 2018.

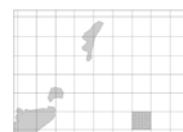
Key coordinates:

Well Number	Location	Description of Work
16/21a-2	58°13.970'N 001°07.953'E	Barrier testing and flowline flushing
16/21a-26	58°10.695'N 001°01.045'E	Barrier testing and flowline flushing
16/21a-27	58°10.308'N 001°04.168'E	Barrier testing and flowline flushing
16/21b-29	58°15.127'N 001°03.323'E	Barrier testing and flowline flushing
16/21a-33	58°12.770'N 001°09.595'E	Protection structure removal
16/21a-16	58°13.675'N 001°08.867'E	Tree preparation
16/21a-17z	58°10.318'N 001°02.347'E	Tree preparation
Balmoral Template centre	58°13.727'N 001°06.427'E	Barrier testing template pipework

For further information: Pieter voor de Poorte, Premier Oil, Tel +44 (0) 1224618911, [PvoordePoorte@PREMIER-OIL.com](mailto:PvoordePoorte@PREMIER-OIL.com)

**Caledonia** – Pipeline Flushing

The Caledonia Pipeline Flushing campaign is to be completed by Premier Oil in order to allow disconnection of the Caledonia pipeline system (Block 16/26) from the Britannia Platform and isolation of the Caledonia tree in preparation for later plugging and abandonment of the well.



This campaign will consist of the following activities:

- Flushing and disconnection the Caledonia pipelines.
- Moving of existing deposits at the Caledonia manifold and SSIV.

Vessel: Helix Well Enhancer Schedule: 16th April – 3<sup>rd</sup> May 2018.

Key coordinates:

Well Number	Location
Britannia Platform	58°02.882'N 001°08.228'E
Caledonia SSIV skid	58°02.940'N 001°08.402'E
Caledonia Manifold	58°06.120'N 001°08.557'E
Caledonia Well	58°06.168'N 001°08.667'E

For further information: Pieter voor de Poorte, Premier Oil, Tel +44 (0) 1224618911, [PvoordePoorte@PREMIER-OIL.com](mailto:PvoordePoorte@PREMIER-OIL.com)

## Pelican Field Programme – Well Abandoning

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

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



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

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

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

## Edradour / Glenlivet Field Development – Construction Activities

Please note that TEPUK have three new permanent subsea 500m safety zones which came into effect 14 July 2015 at Edradour & Glenlivet, and 3 July 2017 at Edradour PLEM location.

Attention is drawn that FishSAFE V34 displays a 200m radius zone (as opposed to the statutory 500m radius Safety Zone in force) as Hazard area centred on Edradour PLEM. Fishermen are therefore kindly requested to avoid this area and update their [FishSAFE to V35](#)



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

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



**East Coast Scotland – dhan Buoys**

Mariners are advised that Marine Scotland Science intends to deploy 31 moorings along the east coast of Scotland. The moorings are deployed as part of the Scottish Government funded ECOMMAS (and EU-funded JOMOPANS) projects, and will hold research equipment that records underwater noise and the echolocation clicks of dolphins and porpoises.



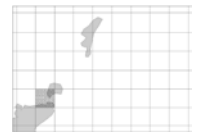
Intended to deploy these moorings between 25 March 2018 – 11 April 2018. The moorings will be removed in Nov 2018. All moorings will be subsurface. This is a change from previous years when some moorings have been surface-marked using a dhan. All moorings will extend vertically no more than 6 metres from the seabed.

Location Name	Coordinates	Location Name	Coordinates
JOMOPANS 1	58°34.492'N 002°07.168'W	Cruden Bay 5	57°22.811'N 001°49.702'W
Latheron 5	58°16.160'N 003°19.092'W	Cruden Bay 10	57°22.813'N 001°44.286'W
Latheron 10	58°13.761'N 003°12.385'W	Cruden Bay 15	57°22.637'N 001°37.085'W
Latheron 15	58°11.204'N 003°08.155'W	Stonehaven 5	56°56.817'N 002°10.603'W
Helmsdale 5	58°03.203'N 003°42.915'W	Stonehaven 15	56°58.838'N 002°01.304'W
Helmsdale 10	58°00.304'N 003°36.650'W	Stonehaven 10	56°57.565'N 002°06.803'W
Helmsdale 15	57°58.542'N 003°32.150'W	Arbroath 5	56°33.243'N 002°28.999'W
Cromarty 5	57°40.494'N 003°59.292'W	Arbroath 10	56°29.988'N 002°22.794'W
Cromarty 10	57°41.351'N 003°52.905'W	Arbroath 15	56°27.580'N 002°17.918'W
Cromarty 15	57°42.401'N 003°48.643'W	St Andrews 5	56°15.899'N 002°34.323'W
Spey Bay 5	57°41.412'N 003°03.748'W	St Andrews 10	56°15.474'N 002°29.959'W
Spey Bay 10	57°44.489'N 003°02.329'W	St Andrews 15	56°17.404'N 002°25.984'W
Spey Bay 15	57°47.219'N 003°03.856'W	St Abbs 5	55°55.752'N 002°10.626'W
Fraserburgh 5	57°42.681'N 002°07.807'W	St Abbs 10	55°57.809'N 002°09.711'W
Fraserburgh 10	57°46.269'N 002°08.426'W	St Abbs 15	56°02.001'N 002°04.525'W
Fraserburgh 15	57°50.952'N 002°05.388'W		

For further information: Dr Ewan Edwards at the Marine Scotland acoustics mailbox [acoustics@gov.scot](mailto:acoustics@gov.scot)

**Dunnet Head – ADCP Deployment with surface marker buoys**

The Environmental Research Institute is deploying 2 sea bed mounted frames, each with 2 surface marker buoys. Frames will be located approx 700m NE of Dunnet Head lighthouse and approx. 1000m NNE of Dunnet Head Lighthouse.



The locations of each frame are as follows:

58°40.598'N 3°21.993'W  
58°40.819'N 3°21.958'W

Each frame will have two surface marker buoys (bright orange). Each marker buoy will be located approx. 100m from the frames central position (One buoy each side).

Each marker buoys will be tethered to a subsurface weight (400 Kg) with 16 mm polypropylene rope.

Vessels are advised to keep within 200m of these positions in order to avoid marker buoys and associated moorings.

Frames will remain inplace between January 22nd 2018 – May 22nd 2018

For further information: Jason Mcilvenny / Dr Philippe Gleizon, Tel: 01847889000 email: [Jason.mcilvenny@uhi.ac.uk](mailto:Jason.mcilvenny@uhi.ac.uk) [philippe.gleizon@uhi.ac.uk](mailto:philippe.gleizon@uhi.ac.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)

## Notice to Fishermen

First Published: 30 November 2017 | Latest Update: 20 December 2017

## Fishing Hazards – CATS Pipeline (Groups of structures)



A number of large structures ( up to 6m high and 25m long) are positioned in open water on the Central Area Transmission System(CATS)at a number of the TEEs.

Each individual structure is deemed to be fishing friendly in design, but given the close proximity of the structures at these TEE's, it is recommended that fishermen treat these area's with caution. The individual positions are as follows:



T1 Structure, Andrew Structure, Huntington Structure	57°42.667'N 001°43.466'E
T2 Structure, ETAP Structure, WAGE structure	57°21.983'N 001°28.119'E
T5 Structure, Stella Structure, Banff Structure, Culzean Structure	57°01.752'N 001°12.124'E
T6 Structure, Judy Structure	56°39.793'N 001°12.112'E

For further information: Blair McKay, CATS Pipeline Technical Authority, Tel: +44(0)141 2271453 email: [blair.mckay@woodplc.com](mailto:blair.mckay@woodplc.com)

## Notice to Fishermen

First Published: 11 August 2017 | Latest Update: 28 March 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.

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



The above work will take place at the following locations:

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

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

**Buchan Anchors – Removal**

The Buchan Alpha FPV has been removed from its location however, the Safety zones remain in place as the subsea infrastructure is still present.

Please note that the ten Anchors situated the Buchan Alpha installation have been removed and recovered to shore. The anchors were located at the following co-ordinates:

A1: 57°52.707'N	000°03.461'E	C1: 57°55.023'N	000°00.974'E	E1: 57°54.473'N	000°05.019'E
A2: 57°52.457'N	000°01.267'E	C2: 57°55.770'N	000°00.630'E	E2: 57°53.339'N	000°04.479'E
B1: 57°53.084'N	000°00.672'E	D1: 57°55.858'N	000°02.450'E		
B2: 57°53.907'N	000°01.348'E	D2: 57°55.412'N	000°04.155'E		

The anchor cables which connected Buchan Alpha to the anchor locations have also been recovered. However as no trawl trials have been conducted in this area there could be seabed scars at the locations where these wires were present.

For further information: Joe Leask, Repsol Sinopec Resources UK Limited, T: +44 (1224) 501003 | M: +44 (7769) 113638

**Seabed Activity**

First Published: 16 November 2017 | Latest Update: 02 February 2018

**Guillemot A Field – Drilling Operations**

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

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

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

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

**Seabed Activity**

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

**Bacchus Field – Well Intervention Operations**

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

**Coordinates**  
57°45.035'N 01°04.895'E

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

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

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



**Harrier Field – Development Project**

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

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

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



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

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

**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 exclusion zone in force.

**Subsea Activity**

No Subsea activity planned for the next period

**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 Q1 2018. The 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](mailto:squayle@premier-oil.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)

## Notice to Fishermen

First Published: 30 November 2017 | Latest Update: 30 November 2017

## Abandoned Wellhead – Abandoned Wellhead Campaign

Please note that a well abandonment campaign will be undertaken from the 23rd October 2017 to the 30<sup>th</sup> November 2017.

The well abandonment activity will be undertaken at the following suspended wells:-

Structure	Operator	Position	Status
48/15b-10	Centrica	53°37.500'N 001°52.038'E	
48/10a-15y	Centrica	53°40.722'N 001°58.641'E	
44/28a-6	Centrica	54°06.297'N 002°34.104'E	Update
110/03b-6A	Centrica	53°56.153'N 003°27.042'W	Complete

Work is now complete on 44/28a-6

A seabed survey was carried out at the well location. While doing the seabed survey the sonar was set up for 80 meters. The ROV also carried out a 360° sonar sweep at 80 meter range. The sweep was done at the 4 cardinal points of the compass from the wellheads.

No oilfield related debris was observed within the survey area.

For further information: Alastair Cattanach Tel +44 (0)1224 452360, Email: [alastair.cattanach@intermoor.com](mailto:alastair.cattanach@intermoor.com)

## Seabed Activity

First Published: 19 April 2017 | Latest Update: 19 April 2018

## Thames Area – 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 14th April 2017 for an estimated duration of 90 days at the below subsea well locations, utilising the ENSCO 72 mobile offshore drilling unit.

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](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.aethur@spirit-energy.com](mailto:lyndsay.aethur@spirit-energy.com)



**Clipper** – Pipeline Construction Works

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

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



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

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

**Douglas Field – Drilling Operations**

Please be informed that the Irish Sea Pioneer is currently scheduled to be in the Douglas Field from 5 February 2018 for approximately 150 days.



Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Irish Sea Pioneer	Douglas Field (110/13D)	53°32.234'N 003°34.781'W	15/01/2018	150 Days

**For further information:** Alec Townley, Petrofac, Email: [alec.townley@petrofac.com](mailto:alec.townley@petrofac.com), T: +44 1352 842353

**Area 1 Rig List**

Latest Update: 27 April 2018

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Enesco 80	58°08.90'N 03°01.20'W		Safe Scandinavia	60°41.90'N 02°55.90'E
	Maersk Intrepid	58°25.10'N 01°42.90'E	<b>New</b>	West Hercules	60°49.10'N 04°09.20'W
	Maersk Integrator	58°34.30'N 01°41.80'E		Songa Endurance	60°52.60'N 03°29.60'E
	COSL Innovator	58°48.50'N 02°16.10'E		COSL Promoter	60°55.90'N 03°39.80'E
	Rowan Viking	58°50.60'N 02°14.90'E		Ocean Guardian	60°56.70'N 01°33.80'E
<b>New</b>	Deepsea Bergen	58°58.30'N 02°17.60'E	<b>New</b>	Paragon MSS1	61°02.00'N 01°07.80'E
	Maersk Gallant	59°34.90'N 01°39.40'E		Transocean 712	61°19.40'N 01°32.10'E
	Safe Boreas	59°35.20'N 01°03.20'E		Deepsea Atlantic	61°26.10'N 02°35.20'E
	Noble Lloyd Noble	59°35.40'N 01°03.40'E		Transocean Arctic	61°45.57'N 02°35.16'E
<b>New</b>	Deepsea Aberdeen	60°19.90'N 04°06.30'W			

**Area 2 Rig List**

Latest Update: 27 April 2018

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Maersk Resilient	55°34.80'N 04°45.40'E		Rowan Gorilla V	56°58.02'N 01°52.19'E
	Maersk Guardian	55°43.30'N 04°48.10'E		Maersk Interceptor	56°58.90'N 02°57.50'E
	Noble Sam Turner	55°48.20'N 04°33.60'E	<b>New</b>	Ocean Patriot	57°08.60'N 02°16.60'E
	Maersk Innovator	56°22.60'N 03°15.50'E		Maersk Highlander	57°11.70'N 01°54.80'E
	Enesco 120	56°43.50'N 02°12.50'E		Paul Loyd Jnr	57°17.40'N 01°22.40'E
	Enesco 100	56°46.40'N 00°46.40'E	<b>New</b>	Stena Spey	57°17.80'N 01°21.90'E
				COSL Pioneer	57°51.00'N 00°37.00'W

**Area 3 Rig List**

Latest Update: 27 April 2018

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Maersk Resolve	52°52.30'N 04°10.20'E		Seafox 1	53°42.20'N 01°09.00'E
	Seafox 4	53°04.60'N 02°11.10'E		Paragon B391	53°50.50'N 02°52.10'E
<b>New</b>	Enesco 72	53°08.40'N 03°02.60'E		Enesco 92	54°12.20'N 02°27.10'E
	590021	53°14.00'N 03°14.50'E		Enesco 121	54°35.70'N 00°26.00'E
	Enesco 122	53°14.40'N 04°05.00'E		Enesco 101	54°36.00'N 02°11.80'E
	Prospector 1	53°40.00'N 06°17.70'E			

**Area 5 Rig List**

Latest Update: 27 April 2018

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Irish Sea Pioneer	53°32.20'N 03°34.80'W	<b>New</b>	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.

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

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

Anchor No.	Position	Lay-down Pennant	Chain End
Rig	60°19.883'N 04°06.255'W		
1	60°19.267'N 04°09.177'W	60°19.335'N 04°07.655'W	60°19.568'N 04°07.782'W
4	60°21.127'N 04°04.926'W	60°21.019'N 04°05.250'W	60°20.891'N 04°05.185'W
5	60°20.420'N 04°03.692'W	60°20.184'N 04°04.805'W	60°20.302'N 04°04.241'W
8	60°18.407'N 04°07.402'W	60°19.156'N 04°06.778'W	60°19.108'N 04°06.844'W

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

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

### Schiehallion Central – Anchor Pre-Laid

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

All other anchors within the Schiehallion field have been recovered.

### - As Laid at Kraken DC4

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

### Transocean 712 – At Osprey

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

### Blackford Dolphin – As Laid Pattern Captain B

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

### Glen Lyon – FPSO



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

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

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

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

## COSL Pioneer – At Blackbird

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

## Blackbird - 20/2a-9

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

## PBLJ – At Shaw CG Well – As Laid

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

## Culzean – Culzean FSO Anchors

Anchor No.	Anchor Position	Chain End	Anchor Position	Chain End
			7	57°11.068'N 001°58.558'E
1	57°11.723'N 001°56.154'E	57°11.723'N 001°56.325'E	8	57°11.096'N 001°58.621'E
2	57°11.681'N 001°56.149'E	57°11.685'N 001°56.321'E	9	57°12.444'N 001°58.413'E
3	57°11.636'N 001°56.153'E	57°11.647'N 001°56.323'E	10	57°12.464'N 001°58.343'E
4	57°11.594'N 001°56.167'E	57°11.611'N 001°56.336'E	11	57°12.483'N 001°58.271'E
5	57°11.021'N 001°58.423'E	57°11.103'N 001°58.341'E	12	57°12.500'N 001°58.195'E
6	57°11.039'N 001°58.495'E	57°11.117'N 001°58.404'E		57°11.143'N 001°58.456'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
Fugro Survey Ltd M/V Fugro Galaxy C6YY4	1300m 3m	61°41.401'N 001°26.852'E 61°41.352'N 001°31.387'E 61°39.198'N 001°31.281'E 61°39.247'N 001°26.751'E 61°40.094'N 001°27.058'E 61°40.045'N 001°31.590'E 61°37.891'N 001°31.484'E 61°37.940'N 001°26.961'E 61°38.887'N 001°27.417'E 61°38.838'N 001°31.946'E 61°36.684'N 001°31.839'E 61°36.734'N 001°27.316'E 61°38.128'N 001°31.420'E	61°37.348'N 001°35.639'E 61°35.340'N 001°33.999'E 61°36.120'N 001°29.784'E 61°34.933'N 001°34.129'E 61°34.879'N 001°38.647'E 61°32.726'N 001°38.533'E 61°32.779'N 001°34.020'E 61°32.939'N 001°37.340'E 61°32.885'N 001°41.854'E 61°30.731'N 001°41.736'E 61°30.786'N 001°37.228'E	14/05/2018 - 31/08/2018 For 24 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
EMGS ASA Atlantic Guardian LAEU6		59°39.787'N 001°09.017'E 59°36.719'N 001°54.144'E 59°32.964'N 001°51.890'E 59°19.964'N 001°04.142'E 59°17.366'N 001°42.602'E 58°56.604'N 001°37.013'E 58°56.758'N 001°27.406'E		01/05/2018 - 30/06/2018 For 20 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	14, 15, 16, 20, 21	15/04/2018 - 31/10/2018 For 152 Days
CGG Services S.A Geo Coral LACA8	8000m 18m	58°19.373'N 000°05.168'E 58°19.595'N 000°20.234'E 57°46.735'N 000°21.042'E 57°46.570'N 000°03.973'E	14, 15, 20, 21	01/04/2018 - 30/09/2018 For 7 Days
CGG Services S.A TBA	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	2, 3	01/04/2018 - 30/09/2018 For 30 Days
Statoil Geo Coral LACA8 Geowave Voyager A8OR3		58°44.181'N 001°24.548'E 58°56.030'N 001°24.004'E 58°56.418'N 002°03.606'E 58°44.566'N 002°03.927'E	16	April and Late July For 40 Days
MG3 (Survey) UK Ltd MV Poseidon TFJC		61°14.474'N 000°43.133'E 61°11.312'N 000°46.700'E 61°10.283'N 000°42.780'E 61°13.444'N 000°39.209'E		12/02/2018 - 31/05/2018 For 5 Days
Gardline Geo survey Ltd Ocean Observer GHXX	1200m 3m	58°22.861'N 000°51.280'E 58°22.705'N 000°57.451'E 58°21.448'N 001°04.546'E 58°18.610'N 000°58.378'E	15, 16	22/01/2018 - 30/06/2018 For 10 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
PGS Exploration (UK) Ltd Sanco Swift ZDKY8		58°09.546'N 000°30.880'W 58°09.546'N 000°30.651'W 58°09.965'N 000°30.651'W 58°09.974'N 000°24.873'E 57°50.163'N 000°24.905'E 57°46.106'N 000°24.017'W 57°46.047'N 000°34.267'W 57°57.650'N 000°34.291'W 57°58.497'N 000°31.022'W 58°09.169'N 000°31.069'W 58°09.546'N 000°30.880'W		01/05/2018 - 30/06/2018
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
Gardline Geosurvey Ltd MV Ocean Vantage HP6188		58°47.633'N 000°12.424'E 58°45.924'N 001°12.926'E	16	05/05/2018 - 30/06/2018 For 2 Days
PGS Exploration (UK) Ltd Sanco Swift ZDKY8		58°17.782'N 000°53.551'W 58°18.108'N 003°03.168'W 58°33.186'N 003°02.017'W 58°40.021'N 002°45.247'W 58°42.237'N 002°32.856'W 58°42.175'N 000°53.849'W 58°02.393'N 000°59.954'W 57°41.644'N 001°55.428'W 57°42.549'N 002°06.672'W 57°41.149'N 002°11.383'W 57°42.517'N 002°19.913'W 57°41.502'N 002°22.381'W 57°47.869'N 003°03.079'W 57°49.636'N 003°04.084'W 58°00.417'N 003°03.956'W 58°08.553'N 002°42.076'W 58°11.575'N 002°41.835'W 58°28.037'N 001°55.431'W	11, 12, 13, 14, 17, 18,19	14/05/2018 - 31/10/2018 For 110 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

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Gardline Geosurvey Kommandor PBQW	1200m 3m	57°08.572'N 001°04.039'E 57°08.665'N 001°10.283'E 57°12.706'N 001°10.083'E 57°12.612'N 001°03.828'E	22	
Shell UK Ltd Nelson Field Seismic vessel TBC	6000km 8m	57°43.6172'N 001°10.0100'E 57°42.0333'N 001°16.0775'E 57°38.7743'N 001°16.1187'E 57°34.8747'N 001°08.1812'E 57°39.1295'N 001°01.0230'E	22	15/05/2018 - 05/06/2018 For 20 Days
Shearwater GeoServices M/V Polar - 5BJC3 Sanco Sky - ZDHW8 Glomar - HO4049 Harrier Explorer 3EIE3 Nordic Explorer C6TU3	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
Shearwater Geo Services M/V Polar Duchess 5BJC3 Sanco Sky ZDHW8 Glomar Avoir HO4049 Nordic Explorer C6TU3	6700m 5m	57°49.250'N 001°30.894'E 57°41.997'N 001°37.675'E 57°23.702'N 000°59.905'E 57°35.770'N 000°39.190'E 57°54.859'N 001°17.873'E	22	15/05/2018 - 30/06/2018 For 26 Days
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
Fugro Survey Ltd Fugro Scout 3FYP4		57°24.307'N 001°35.904'E	22	01/05/2018 - 31/05/2018 For 2 Days
Gardline Ltd M/V Kommandor MCJO2		57°09.977'N 002°15.419'E 57°01.784'N 001°57.113'E	22, 23, 29, 30	04/04/2018 - 15/07/2018 For 12 Days
Gardline Ltd M/V Kommandor MCJO2		57°09.977'N 002°15.419'E 56°43.474'N 001°42.809'E	23, 30, 29, 22	04/04/2018 - 15/07/2018 For 12 Days
Gardline Ltd Ocean Reliance HP6391	300m 80m	57°17.247'N 002°10.797'E 57°30.593'N 002°02.448'E	23	03/04/2018 - 26/05/2018 For 23 Days
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
Gardline Geosurvey Kommandor PBQW	1200m 3m	57°53.967'N 000°59.687'W 57°53.788'N 000°48.813'W 57°46.787'N 000°49.237'W 57°46.965'N 001°00.075'W	20	18/03/2018 - 01/07/2018 For 3 Days
Baker Hughes Wireline Olympic Taurus LDXA	2m 4m	57°10.704'N 001°53.811'E	22	01/02/2018 - 31/05/2018 For 2 Days

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Geo XYZ Uk Ltd Geo Cean II LXHX		53°06.673'N 002°29.623'E 53°05.487'N 002°29.623'E 53°05.478'N 002°27.666'E 53°06.665'N 002°27.652'E	49	22/05/2018 - 30/06/2018 For 2 Days
Geo XYZ Uk Ltd Geo Cean II LXHX		52°53.764'N 002°36.582'E 52°52.578'N 002°36.593'E 52°52.571'N 002°34.631'E 52°53.757'N 002°34.620'E	53	22/05/2018 - 30/06/2018 For 2 Days
Gardline MV Ocean Vantage HP6188		54°37.708'N 002°20.141'E	44	19/05/2018 - 30/11/2018 For 3 Days
Shearwater GeoServices M/V Polar Duchess 5BJC3		54°11.104'N 000°48.269'E 53°54.744'N 000°48.193'E 53°54.632'N 000°10.608'E 54°11.007'N 000°10.329'E	42 & 47	14/05/2018 - 30/09/2018 For 32 Days
Geo XYZ Geo Surveyor		53°06.056'N 002°28.730'E	49	03/05/2018 - 10/05/2018 For 7 Days
Geo XYZ Geo Surveyor		52°53.208'N 002°35.683'E	53	03/05/2018 - 10/05/2018 For 7 Days
Gardline Ocean Reliance HP6391	50m 10m	54°32.467'N 001°34.516'E 54°35.054'N 002°07.175'E 54°32.874'N 002°07.327'E 54°30.387'N 001°34.608'E	43 & 44	15/04/2017 - 30/05/2018 For 25 Days

Engie E&P Kommandor PBQW		54°38.509'N 002°18.734'E 54°38.524'N 002°21.523'E 54°36.907'N 002°21.548'E 54°36.891'N 002°18.761'E	44	21/02/2018 - 02/05/2018 For 20 Days
Eni UK Ltd FPV Mprven MBFQ6		53°08.010'N 001°28.869'E 52°53.236'N 001°28.869'E 52°53.236'N 001°56.018'E 53°08.010'N 001°56.685'E	52; 48	17/02/2018 - 31/05/2018

## Area 5 Survey List

Latest Update: 03 May 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