

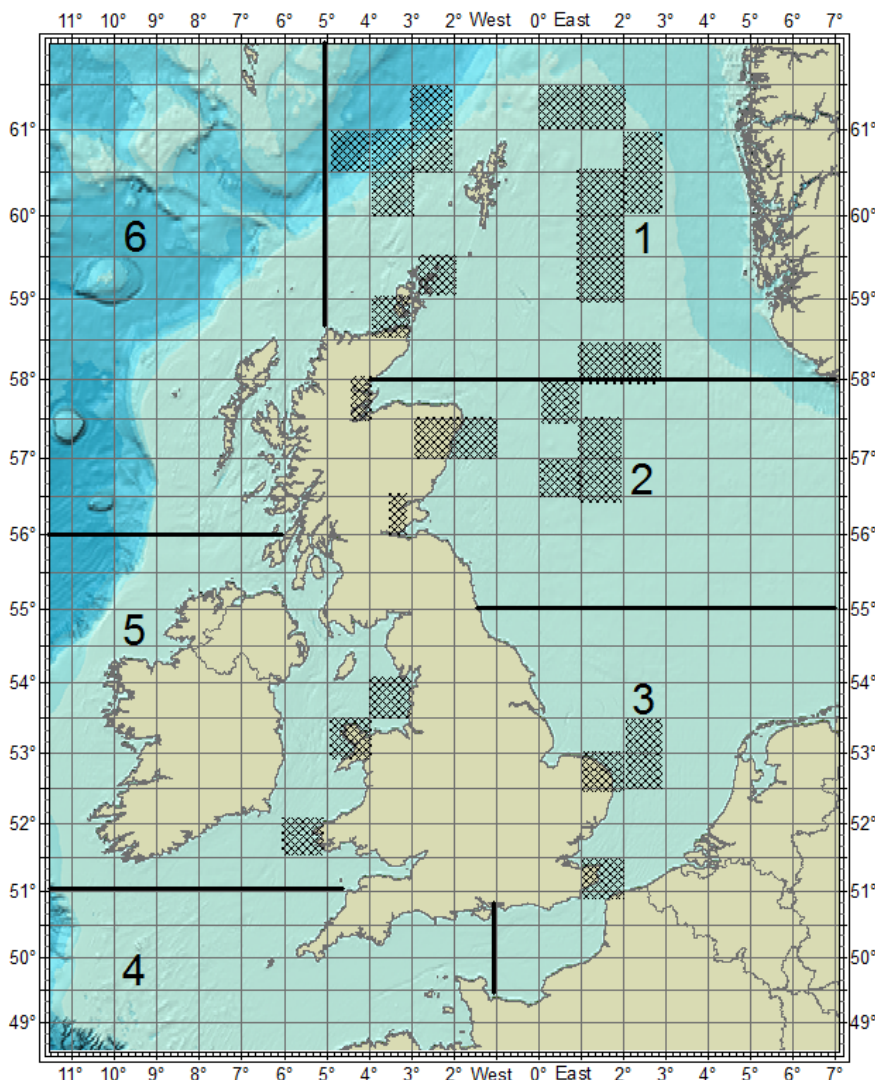
Kingfisher Bulletin

Offshore News

Oil & Gas

10 August 2017 | Issue 16

Shaded blocks indicate activity.



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Support

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



For further information, please visit: www.fishsafe.eu/en/contact-us/funding

Information



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


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


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New Hazards

Area 1		Hazard List			
Hazard Type	Position	Issue Date	Contact Details	Map	
Obstruction from Well 9/27-4	59°00.306'N 001°17.721'E	11 July 2017	rawe@staoil.com		
AXS Bundle Span – Alba Field 10m span length and 0.8m span depth	58°02.592'N 001°05.106'E to 58°02.607'N 001°05.088'E	29 June 2017	pat.dasgupta@chevron.com		

Area 2		Hazard List			
Hazard Type	Position	Issue Date	Contact Details	Map	
A Tidal Gauge System, 1m x 1m base plate, 40kg	57°04.674'N 002°04.542'E	10 Aug 2017	nick.strachan@uk.bp.com		

Area 3		Hazard List			
Hazard Type	Position	Issue Date	Contact Details	Map	
Wreck of MV Ella	52°23.640'N 001°48.960'E	11 July 2017	lee.cornwell@innogy.com		

Area 5		Hazard List			
Hazard Type	Position	Issue Date	Contact Details	Map	
2 x pipeline spans 2 metres high and 16 metres and 12 metres long	54°59.484'N 005°13.235'W	25 July 2017	kingfisher@seafish.co.uk		
Potential Seabed Obstruction	51°42.600'N 008°11.214'W 51°41.622'N 008°10.739'W 51°41.327'N 008°11.466'W 51°41.778'N 008°11.941'W	30 June 2017	navwarnings@btconnect.com		

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

Notice To Fishermen

First Published: 13 July 2017 | Latest Update: 13 July 2017

FishSAFE Information – FSIv34 Now Available

The latest release of FSI data is now being distributed to fishermen and is available to download [here](#).

FishSAFE v34 contains the positions of many new oil & gas structures and is available for the following fishing plotter systems: Sodena, Maxsea, Olex, Penta, SIS MicroPlot, Transas Navifisher, Litton FishMaster, TMPlanner Quodfish, Trax and also your FishSAFE Unit.

For further information: Kingfisher Information, using the details at the foot of this page.

Notice to Fishermen

First Published: 29 June 2017 | Latest Update: 29 June 2017

Fishing Hazard – Obstruction from Well 9/27-4



Please be advised that an obstruction from Well 9/27a-4 which has been plugged and Abandoned. The object was observed to be approximately 1.1metres high.

Position: 59°00.306'N 001°17.721'E



For further information: Ray Wells , Statoil UK Limited, Tel: +44 7771 918 018 email: rawe@statoil.com

Notice to Fishermen

First Published: 29 June 2017 | Latest Update: 29 June 2017

Fishing Hazard – Alba Field – AXS Bundle Span



Please be advised that the AXS Bundle Span at Chevron's Alba Field as reported during the pipeline inspection campaign. The 10m span length and 0.8m span depth shown below could present a Hazard to Fishing.

Position: 58°02.592'N 001°05.106'E to 58°02.607'N 001°05.088'E



For further information: Pat Dasgupta, Chevron North Sea Ltd, +44(0)1224 345425, pat.dasgupta@chevron.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 done yet, rough ground may be experienced.

Structure	Operator	Position
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

Seabed Activity

First Published: 27 July 2017 | Latest Update: 02 August 2017

Miller Field – Decommissioning Works

As part of the ongoing Miller Platform decommissioning program, there will be the removal of several modules from the Platform.

The Saipem Heavy Lift Vessel S7000 is due to arrive at Miller on the 8th August 2017 to carry out these operations and is due to be location until the end of August. The Miller installation is located at the following coordinates:

58°43.304'N 001°24.005'E



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

Mariner – Pipeline Works UKCS 9/11a

Please be advised of the following works in the Mariner field.

Activity	Vessel & Call Sign	Position	Date / Duration	Comments
Mariner segment 10 well	Noble Lloyd Noble D5EM7	59°35.230'N 01°08.810'E	Complete	This activity has been completed, the wellhead removed, and the drilling unit has moved away from this location.
Mariner segment 9 well	Transocean Spitsbergen V7ZS8	59°34.450'N 01°08.010'E	Complete	This activity has been completed, the wellhead has been removed, the drilling unit has moved away from this location and the anchors have also been removed.
Mariner PDQ platform topsides heavy-lift	Saipem S7000 C6NO5	59°35.310'N 01°03.290'E	Complete	This activity has been completed and the S7000 has left the location.
Mariner PDQ topsides hook-up and commissioning	Noble Lloyd Noble D5EM7 Prosafe Boreas 9V9903	59°35.310'N 01°03.290'E	Early August for at least 1 year	The Noble Lloyd Noble and Prosafe Boreas are positioned alongside the Mariner PDQ platform to provide accommodation during hook-up and commissioning at the PDQ platform. The Safe Boreas is operating initially on DP – any change to anchoring will be advised.
Metocean Buoy		59°35.380'N 01°02.240'E	Early August for at least 1 year	A metocean buoy associated with the Safe Boreas is installed at this location.



An Offshore Development Area is in place that covers all the above locations. The ODA is bounded by the coordinates (59° 37.00' N 01° 00.00' E), (59° 37.00' N 01° 10.00' E), (59° 33.50' N 01° 10.00' E), (59° 33.50' N 01° 00.00' E). This ODA will expire on 31st August. This will be the final notification of the above works, except for notification if anchors are deployed for the Safe Boreas.

For further information: Ray Wells, Statoil (UK) Ltd, Tel:07771 918018, email: rawe@statoil.com or Euan Simpson, Statoil (Production) Limited, tel: 07557 161705, email: eusi@statoil.com

TEPUK Nearshore Acoustic Pipeline Inspection – St.Fergus Terminal and Orka Voe/Firths Voe, Shetland

TEPUK will be conducting a side scan sonar pipeline inspection campaign along nearshore sections of existing pipelines in Shetland and at St. Fergus Terminal (on behalf of PX Limited).

This will be conducted from the vessel Bibby Hydromap 'Lia' and/or 'Proteus of Liverpool'. Mobilisation took place on 21st July 2017 in Peterhead and campaign will last approximately 7 days at St. Fergus, before moving to Shetland in August.



Location	KP	Coordinates
Firths Voe Pipeline PL2764 (SIRGE line)	KP -0.082	60°26.660'N 01°12.150'W
	KP 2.250	60°27.130'N 01°09.800'W
Orka Voe Pipeline PL2759	KP 138.25	60°30.640'N 01°15.730'W
	KP 141.884	60°28.790'N 01°15.440'W
Orka Voe Pipeline PL2760	KP 138.25	60°30.660'N 01°15.730'W
	KP 141.939	60°28.790'N 01°15.430'W
Orka Voe Pipeline PL2761/2762	KP 138.25	60°30.650'N 01°15.700'W
	KP 141.398	60°29.050'N 01°15.310'W
Orka Voe Pipeline PLU2763	KP 123.1	60°30.620'N 01°15.680'W
	KP 126.191	60°29.060'N 01°15.300'W

Please avoid this operation.

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

Seabed Activity

First Published: 13 July 2016 | Latest Update: 25 July 2017

TEPUK ROV Structure and Pipeline Inspection – Central & Northern North Sea

TEPUK will be conducting an ROV based inspection survey of several pipelines and subsea structures in the Central and Northern North Sea areas. This will be conducted by Fugro Subsea Services Ltd from the vessel Skandi Olympia. Mobilisation took place on 7th July 2017 and campaign will last approximately 40 days.



- Inspection will commence in Northern North Sea for subsea well and structure inspections,.
- Inspection will then occur in Elgin / Franklin area of Central North Sea, mostly in 500m safety zones, followed by inspection along pipelines in the same area, outside 500m safety zones.
- Vessel will then transit north to inspect subsea wells, structures and pipelines in Alwyn / Dunbar / Nuggets / Jura / Islay area of Northern North Sea.

Please avoid this operation.

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

Seabed Activity

First Published: 18 May 2017 | Latest Update: 24 July 2017

Beatrice Decommissioning Project – Bravo & Charlie Well Abandonment

As part of the above project, Repsol Sinopec Resources Limited wish to advise that the jack-up rig (MODU) 'Ensko 80' will be moving from its current location at the Beatrice Charlie platform to the Beatrice Bravo platform in mid-August 2017, continuing the well abandonment activity in the Beatrice Field (Block 11/30a of the UKCS).



This work will be carried out within the HSE recognised 500m safety zones, at the Beatrice Bravo and Charlie platforms. The main area of activity during this campaign are as follows:

Location	Location
Beatrice Field	58°06.918'N 003°05.158'E

For further information: Steve Guzik, Repsol Sinopec Resources UK Limited, Tel: 01224 352886 email: steve.guzik@repsolsinopecuk.com

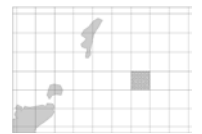
Seabed Activity

First Published: 01 June 2017 | Latest Update: 07 August 2017

Devenick Field – Programme

TAQA Bratani is recovering the 'S2' subsea well in the Devenick field, which had previously been abandoned in 2015.

Operations will be conducted by the SS7 Seven Kestrel, scheduled to commence operations on the well in June 2017 and is expected to last five days. The field period may be prolonged until the 30th September 2017, dependent on weather conditions or operational factors.



The well is located in the Devenick field UKCS Block 9/29a, as per the details provided below.

Well Number	Position	Start / Finish	Description
9/29a-2z	59°09.760'N 001°37.086'E	06/08/17 – 30/09/17	Recovery of the wellhead

For further information: Mike Ferguson, TAQA Bratani, Tel: +44 1224 286922, email: Mike.Ferguson@taqaglobal.com

Seabed Activity

First Published: 29 June 2017 | Latest Update: 29 June 2017

Atlantic Field – Well Abandonment

Shell UK Limited is planning abandonment operations at two Atlantic subsea wells locations in UK Licence Block 14/26a in the Central North Sea.



Well Number	Position	Start / Finish
Atlantic Main Well 1	58°00.871'N 000°53.640'W	02/07/17 – 29/07/17
Atlantic Well 2 South	58°00.818'N 000°53.681'W	02/07/17 – 29/07/17

For further information: Louis Gleizes, Shell UK Limited, Tel: +44(0)1224 888254 email: Louis.Gleizes@shell.com

Seabed Activity

First Published: 29 June 2017 | Latest Update: 29 June 2017

Clair Ridge Subsea Installation Works – Block 206/08 & Block 206/13

BP Exploration Operating Company wish to advise that the following offshore subsea works will commence earliest 07/07/17



Work will be carried out from the Seven Atlantic diving support vessel at three key sites:

- Clair Ridge Platform and subsea isolation valves(206/08)
- West of Shetland pipeline system Tee (206/13)
- Clair Phase 1 Platform subsea isolation valves (206/13)

The works will include:

- Installation and commissioning of the final spool pieces tying into the Clair Ridge
- Installation of a control umbilical for the Clair Ridge pipeline Subsea isolation valves
- Installation and commissioning of the final spool pieces at West of Shetland Pipeline System
- Installation and commissioning of the final spool piece at Clair Phase 1
- Installation of hydraulic and electrical jumpers at Clair Phase 1

From mobilisation, the work is anticipated to continue for a duration of up to 20 days (excluding weather disruption)

Note: The Floatel Victory continues to be in the field to support project activity until further notice.

Location West of Shetland	Position
Clair Ridge Jackets	60°44.184'N 002°29.653'W
Clair Phase 1 Jackets	60°41.544'N 002°32.546'W

For further information: Stephanie Burch, Email: Stephanie.burch@uk.bp.com or Eric Primeau, Email: eric.primeau@bp.com

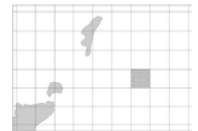
Seabed Activity

First Published: 06 April 2017 | Latest Update: 07 August 2017

Jock Scott – Notification of Works UKCS 9/27

Please be advised of the following drilling activities that are taking place

Activity	Vessel & Call Sign	Position	Date / Duration	Comments
Jock Scott well	Transocean Spitsbergen V7ZS8	59°01.250'N 01°21.160'E	Late July for up to 28 days	The Transocean Spitsbergen is at this location drilling an exploration well.



For further information: Ray Wells, Statoil (UK) Ltd, Tel:07771 918018, email: rawe@statoil.com or Euan Simpson, Statoil (Production) Limited, tel: 07557 161705, email: eusi@statoil.com

Seabed Activity

First Published: 24 March 2016 | Latest Update: 25 July 2017

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

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

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

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

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

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



Western Isles – Development

The Western Isles FPSO is currently in Rotterdam. Dana are planning to tow the FPSO to field on the 7th June 2017 (at the earliest) as part of the Western Isles Development Project. The towing operations are expected to take approximately 8 days with the FPSO due on location on 15th June 2017 (at the earliest).



Once in field the FPSO will be hooked up to the 12 mooring lines which are currently located on the seabed. Cross tensioning of the chains will be undertaken once the FPSO is on the final location: 61°12.869'N 00°45.218'E

The entire operations (including the tow) are expected to take 17 days to complete, however the operations could run until the end of July 2017. This is dependent on when the FPSO leaves Rotterdam.

The tow/hook-up fleet consists of:

- Skandi Skansen (Hook-up ship),
- Skandi Hera and Havila Jupiter (Lead Tow ship)
- Skandi Iceman or Skandi Saigon (Tow ship)
- Skandi Mogster (Escort ship)

Mooring	Start	End
Mooring Line 1	61°12.763'N 000°43.826'E	61°12.868'N 000°45.211'E
Mooring Line 2	61°12.787'N 000°43.819'E	61°12.869'N 000°45.209'E
Mooring Line 3	61°12.904'N 000°43.810'E	61°12.868'N 000°45.209'E
Mooring Line 4	61°12.929'N 000°43.814'E	61°12.870'N 000°45.211'E
Mooring Line 5	61°13.523'N 000°45.609'E	61°12.872'N 000°45.224'E
Mooring Line 6	61°13.516'N 000°45.656'E	61°12.872'N 000°45.226'E
Mooring Line 7	61°13.469'N 000°45.882'E	61°12.872'N 000°45.224'E
Mooring Line 8	61°13.457'N 000°45.926'E	61°12.871'N 000°45.226'E
Mooring Line 9	61°12.305'N 000°46.005'E	61°12.867'N 000°45.227'E
Mooring Line 10	61°12.292'N 000°45.965'E	61°12.866'N 000°45.224'E
Mooring Line 11	61°12.238'N 000°45.746'E	61°12.866'N 000°45.227'E
Mooring Line 12	61°12.230'N 000°45.700'E	61°12.865'N 000°45.225'E

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

Oseberg Field – Installation Activities

Statoil will in the period from April to October 2017 perform marine activities in the area Oseberg Field Center, Tune/ Delta1, Vestflanken G4 and Delta O/ Delta P templates.



A new unmanned wellhead platform (Oseberg H) will be installed at field approx. 8 km northwest from Oseberg Field Center together with new infrastructure.

A new umbilical will be installed between Oseberg A and Oseberg H. The umbilical will be unprotected from April to end of September. **During this period the product will not be trawlable.**

Two new pipelines will be installed, a production pipeline from Oseberg Field Center to Oseberg H and a gas injection pipeline from Oseberg Field Center to Delta 1/ Tune subsea templates.

The pipelines will be unprotected from May to end of September. **During this period the products are not trawlable.**

In relation to tie-in of new spools, pipelines and umbilical there will be wet-stored equipment close to Tune/Delta 1, Vestflanken G4, Oseberg H, Template O and P, and Oseberg Field Center. The equipment will not be trawlable during the

Vessel	Activity	Start Finish
Normand Mermaid	Wet-storage of spools and covers	01/08/17 – 15/08/17
Normand Mermaid	Spool installation and tie-in	15/08/17 – 15/09/17
Viking Neptune	Wet-storage of covers and spools at Tune and Oseberg Field Centre	20/08/17 – 25/08/17
Hermud	Installation of unmanned wellhead platform (Oseberg H)	01/07/17 – 30/07/17
TBC	Rock installation	19/08/17 – 20/09/17
TBC	Rock Installation	15/10/17 – 20/10/17

period from 1 of April to end of September.

Installation and operations are weather dependent, hence changes to schedule can occur.

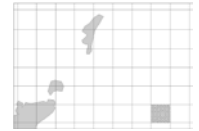
Area	Coordinates
Oseberg A	60°29.481'N 02°49.539'E
Delta L	60°28.054'N 02°40.797'E
Delta P	60°27.385'N 02°41.605'E
Delta O	60°23.978'N 02°40.170'E
Vestflanken G4	60°32.226'N 02°41.036'E
Oseberg H	60°32.878'N 02°43.901'E

For further information: Precautionary area will be surveilled by Statoil Operasjonssenter; telephone number +47 55 14 32 78 or VHF ch 10

Questions may be directed to Annette Veka, mobile number +47 41 20 23 96.

Zeepipe IIA NE Sleipner A – Temporary Safety Zone against Anchoring & Fishing

Statoil shall in the period from 15th of April to end of September this year install a subsea structure for Gina Krog Hot Tap. The structure will be situated over Zeepipe IIA approx. 11.4km North East of the Sleipner platform.



Statoil commence preparatory work including excavation and removal of concrete protective coating medio April 2017, while the Hot Tap operation and the installation of the subsea structure follows in June. Tie in to the gas pipeline will be performed in July and August 2017. Completion will be by the end of September. Pipelines and structures will be completely protected by means of GRP covers and rock dump.

The subsea structures will in the construction period be unprotected and the area cannot be exposed for bottom trawling.

Surveillance

A safety zone will be established with exclusion from anchoring and fishing in the zone. The temporary safety zone will have a radius of 500m and will act until the structures are completely protected.

The site will be surveyed by Statoil Centre for Operation Surveillance & Emergency, OPC (Statoil Marin). OPC can be reached by VHF on channel 14 or 0047 55 14 32 78.

Location	Position
Zeepipe IIA Gina Krog Hot Tap	58°26.435'N 002°02.660'E

For further information: Ellinor Nesse, Statoil ASA, Tel: +47 95939348 email: elne@statoil.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 2017 Decommissioning campaign at Leadon will see the Maersk Master AHT complete recovery of the approx. 6.8km long flexible flowline from outside the Beryl 500m zone to the Leadon mid-line structure. Recovery operations will commence in mid-June as part of the Janice, James and Leadon Fields joint decommissioning campaign.

An additional vessel campaign will see the Maersk Achiever in field in July 2017 for the recovery of 6x Riser Bases at the mid-line structure location (59Te, 79Te, 79Te, 79Te, 95Te, 95Te all approx. 6m x 6m x 6m). Further to this, the Achiever will complete the bundle cutting scope, consisting of 4x Diamond Wire cuts in total, 1x cuts at both of the North and South Towhead locations and 2x cuts (1x either side) at the mid-line structure.

The remaining subsea facilities including the Leadon bundle (42.5 inch and 47.5 inch outer diameter with total length of 4.2km) and associated towheads comprising the North towhead (370Te) 28.7m x 6m x 4.6m, South towhead (275Te) 25.7m x 6m x 4.5m and the mid-line structure (282Te) 41.2m x 6m x 4.6m will be decommissioned during future offshore campaigns in accordance with the approved Decommissioning Programme.

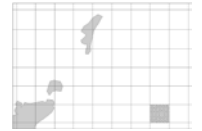
A summary of the upcoming activities is as follows:

Location	Block	Coordinates	Activity	Schedule
Beryl Alpha to Leadon Midline Structure	9/13 & 9/14a	59°32.570'N 01°32.565'E	Recovery of Flexible flowline approx. 6.8km length	June – August 2017
Leadon North Towhead	9/14a	59°34.708'N 01°39.323'E	North Towhead 1x Bundle Cut	June – August 2017
Leadon South Towhead	9/14a	59°32.562'N 01°39.495'E	South Towhead 1x Bundle Cut	June – August 2017
Leadon Midline Structure	9/14a	59°33.708'N 01°39.403'E	Midline Structure 2x Bundle Cuts	June – August 2017
Leadon Midline Structure	9/14a	59°33.708'N 01°39.403'E	Recovery of 6x Riser Bases	June – August 2017

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

Gina Krog Direct Shuttle – Temporary Safety Zone

Statoil shall in the period from 20th April to 30th September this year establish a Temporary Direct Shuttle Tanker oil export solution. A flexible flowline will be pulled in to the platform and a flexible riser will be connected to a Shuttle Tanker. The oil export flowline will be installed in a corridor from the Gina Krog platform towards the FSO.



The flowline system will be unprotected and be exposed at the sea bottom and the flexible riser will have a section with buoyancy elements bringing it up approx. 40 from sea bottom in the water column.

The site will be surveyed by Statoil Centre for Operation Surveillance & Emergency, OPC (Statoil Marin). OPC can be reached by VHF on channel 14 or 0047 55 14 32 78.

Surveillance

A safety zone will be established with exclusion from anchoring and fishing in the zone. The temporary safety zone will have a radius of 600m and will act until the flowlines are removed.

The site will be surveyed by Statoil Center for Operation Surveillance & Emergency, OPC (Statoil Marin). OPC can be reached by VHF on channel 14 or 0047 55 14 32 78.

Location	Position
Gina Krog Temporary DSL (Direct Shuttle Tanker Loading)	58°34.593'N 001°42.666'E

For further information: Ellinor Nesse, Statoil ASA, Tel: +47 95939348 email: elne@statoil.com

Edradour / Glenlivet Field Development – Construction Activities

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

MV Searcher (BF205), Call Sign: MKJF6, is acting as guard vessel and will be replaced as of 2400hrs 26th July by Arcturus INS167, Call Sign: 2NFX8 part way between Edradour & Edradour PLEM at the following location: 60° 55.39' N 02° 23.73'W



MV Benarkle II (PD400), Call Sign: 2HZT6, is acting as guard vessel part way between Edradour & Glenlivet at the following location: 61° 00.28' N 02° 09.16' W.

The construction vessel MV Far Superior, Call Sign: LATJ7, is working infield since 20th April. The construction vessel Olympic Challenger, Call Sign: C6ZZ7, is in the field on 21th July.

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

Lancaster Field – Drilling Operations

Hurricane Energy plc propose to mobilise the Furgu operated Bucentaur to their Lancaster field, which is located in Block 205/21a to the west of Shetland. The Bucentaur is a drilling ship which will be undertaking borehole drilling operations. The vessel will move around as needed to drill at different locations, but all will be within approximately 1.2 km of this location. It will be held in position by DP with no requirement for anchors, but the vessel will be held in place by the drilling equipment beneath the vessel when at each location



Drilling Rig/Ship	Installation / Well No	Position	Start / Finish
Bucentaur	Partridge 14/11	60°10.794'N 003°52.196'W	16/08/17 – 16/09/17

For further information: Kirsty McWilliam, Hurricane, Tel: +44 1483 862820 email: Kirsty.mcwilliam@hurricaneenergy.com

Deployment of Buoys

First Published: 10 August 2017 | Latest Update: 10 August 2017

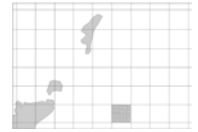
North Sea – Recording Oceanographic Lander

Deploying a lander during a scientific cruise and will try to collect some short sediment cores in the North Sea.

Position 57°59.700'N 000°22.400'W Deployment Date: 26th of August Recovery Date: early summer 2019 (exact date TBC)

Sediment cores will be collected with the RRS James Cook The boundaries of survey area:

Coordinates
 58°16.560'N 000°57.600'E
 58°17.220'N 000°57.600'E
 58°17.220'N 000°58.920'E
 58°16.560'N 000°58.920'E



Activities will take place 26/08/2017 to 12/09/2017

For further information: Philip Harwood, NOC, [Tel:+44 \(0\)23 8059 6289](tel:+4412380596289)

Deployment of Buoys

First Published: 29 June 2017 | Latest Update: 29 June 2017

North and East Coast – Acoustic receiver deployments

Marine Scotland Science intends to install 8 moorings on the north and East coast of Scotland. The moorings will hold research equipment that support hydrophone receivers that log the presence of salmon adults tagged with acoustic ID tag transmitters migrating from Armadale on the North coast.

Below is a table with the proposed locations of these moorings. Once the moorings are in the water, the locations will be confirmed and updated with as-laid positions. Deploying these moorings between 25th June-10th July 2017. The moorings will be removed by the 30th of November 2017.

The moorings will have no surface markers and will be located on the seabed, extending vertically no more than 3 metres. They will be acoustically released and the entire mooring will be recovered.

Mooring	Depth	Coordinates
1	15m	55°52.518'N 002°04.175'W
2	15m	56°16.728'N 002°34.509'W
3	15m	57°42.039'N 001°59.989'W
4	10m	57°43.750'N 003°17.051'W
5	7m	58°07.363'N 003°36.665'W
6	20m	58°34.267'N 004°28.865'W
7	30m	58°34.488'N 004°28.673'W
8	30m	58°34.667'N 004°28.555'W

For further information: David Morris, Marine Scotland Science, [Tel:+44\(0\)1224 294411](tel:+441224294411) email: DavidMorris@gov.scot



Notice to Fishermen

First Published: 10 August 2017 | Latest Update: 10 August 2017

Fishing Hazard – Tidal Recording System 23/26a



Please be advised of the deployment of a tidal recording system that may be a Potential Snagging Hazard.

Position: 57°04.674'N 002°04.542'E

A Tidal Gauge System has been deployed on the SW edge of the Machar 500m zone. The System comprises a 1m x 1m base plate (that will remain in-situ until 2018) and a floatation recording unit and buoy (due to be retrieve around the 1st September 2017). The whole unit including the base plate weighs approximately 40kg



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

Notice to Fishermen

First Published: 23 March 2017 | Latest Update: 13 July 2017

Fishing Hazard – Installation of rock berm



Please be advised of the updated coordinates these are now the final as-built locations. Finalised installation of a rock berm for the protection of PL721 (Forties Pipeline System -FPS)

Rockdump (covering pipeline PL721) Block:19/17 & 19/18 – between the following coordinates:

	Position
Start Point (big berm)	57°24.661'N 01°35.723'W
Transition Point (big – small berm)	57°24.693'N 01°37.715'W
End Point (small berm)	57°24.677'N 01°39.077'W

The maximum dimensions of the rock berm installed at PL721 are a width of 22.5m and a height of 2.8m.

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



Notice to Fishermen

First Published: 20 April 2017 | Latest Update: 20 April 2017

Bittern Pipeline Spans – PL1650 & PL1649



Bittern pipelines PL1650 & PL1649 are exposed and spanning over a distance of 7.9m within an area of lowered seabed.

The seabed depression has an overall diameter of approximately 13m which is located wholly within the Bittern DCA subsea manifold 500m zone. The pipelines remain 0.8m below the surrounding Mean Seabed Level (MSBL) but are up to 1.5m above seabed level within the overall area of lowering.

It is not considered that this exposure would represent any danger to fishing activities however fishermen are requested to continue to avoid the area. Returning the depression back to nominal MSBL is planned to be completed shortly but will, in any event, be completed no later than 31.08.2017.

56°54.195'N 001°01.110'E

For further information: Ram Subramanian, Pipeline Engineer, Shell UK Limited (ram.subramanian@shell.com +44 (0)1224 882748)



Notice to Fishermen

First Published: 06 April 2017 | Latest Update: 06 April 2017

Fishing Hazard – 4 to 5 Large Tyres



Please be advised that debris has been returned to the seabed after a snagging incident. Debris consists of 4-5 Large tyres with mud / cement connected by wire.

57°46.170'N 00°53.090'E

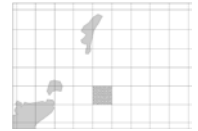
For further information: Bernie Bennett, Apache, Tel: 01590 643986, email: bbennett@oil&gasuk.co.uk



Azinor Partridge – Drilling Operations

Azinor Catalyst is planning a drilling operation at the Partridge location in UK Licence Block 14/11

Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Ocean Guardian	Partridge 14/11	58°32.634'N 000°49.657'W	11/08/17	25 Days



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

Montrose BLP Project – Development Operations

Offshore campaigns upcoming;

- Antaires guard vessel will be at the Shaw Production Drill Centre guarding subsea assets from the 30th of July for 5 days approx.
- CSV Seven Pacific - 1st August. CSV will undertake subsea construction installation activities including umbilical lay, Structure installation and mechanical protection, and survey operations. (Duration 7-10 days) Operations will take place at and between the Shaw Water Injection drill centre and Shaw Production drill centre.
- Rock Dumper - Seahorse - 14th August. Rock dumper will undertake rock dump activities at and between the Shaw Water Injection drill centre and Shaw Production drill centre. (Duration 4 days) - Note the date is likely to change but has not been confirmed yet.
- DSV Seven Pelican - 25th August. DSV will undertake subsea construction installation activities, including umbilical tie in, spool tie in operations, leak testing and commissioning at Shaw Production and Water Injection drill centres. (Duration 12 days)



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

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

Key Coordinates	
57°27.068'N 01°23.214'E	Montrose BLP (500m Safety Zone)
57°25.167'N 01°13.804'E	Cayley Drill Centre (500m Safety Zone)
57°25.924'N 01°17.332'E	44" Langed Crossing – located between Montrose BLP and Cayley Drill Centre– Fishing Hazard stay clear (concrete mattresses)
57°26.671'N 01°20.804'E	24" GAEL Crossing - located between Montrose BLP and Cayley Drill Centre– Fishing Hazard stay clear (concrete mattresses)
57°17.813'N 01°21.755'E	Shaw production Drill Centre
57°17.369'N 01°22.299'E	Shaw Water Injection Drill Centre
57°25.757'N 01°22.760'E	24" GAEL crossings- located between Montrose BLP and Shaw Production Drill Centre – Fishing Hazard stay clear (concrete mattresses)
57°27.054'N 01°22.987'E	14" Forties Crossings- located between Montrose BLP and Shaw Production Drill Centre (inside Montrose 500m zone)
57°22.00'N 01°20.25'E	CATS T2

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

Seabed Activity

First Published: 01 June 2017 | Latest Update: 07 August 2017

Verbier – Notification of Works UKCS 20/5b

Please be advised of the following drilling activities that will take place

Activity	Vessel & Call Sign	Position	Date / Duration	Comments
Verbier well	Transocean Spitsbergen V7ZS8	57°56.018'N 00°04.371'W	August-October 66 days	The Transocean Spitsbergen is a semi-submersible drilling unit and will be anchored at this location to drill an exploration well. Anchors will be pre-laid approx. 10 th August.



For further information: Ray Wells, Statoil (UK) Ltd, Tel:07771 918018, email: rawe@statoil.com or Euan Simpson, Statoil (Production) Limited, tel: 07557 161705, email: eusi@statoil.com

Seabed Activity

First Published: 29 June 2017 | Latest Update: 29 June 2017

Arbroath Alpha – Notification of Works UKCS 20/5b

Please be advised that the Rowan Norway (jack-up) is due to arrive (accommodation only) to support safety critical maintenance, inspection and fabric maintenance.

Location	Vessel & Call Sign	Position	Date / Duration	Activity
Arbroath Alpha	Rowan Norway	57°22.468'N 01°22.914'E	1 st July For 3 months	Accommodation rig linked with bridge linked to Arbroath platform.



For further information: William Gill, Repsol Sinopec uk email: William.Gill@repsolsinopecuk.com

Seabed Activity

First Published: 27 July 2017 | Latest Update: 27 July 2017

Buchan Off-Station - Mooring Disconnect, Tow and final Subsea Well Isolation & disconnection

The Skandi Saigon, Skandi Iceman and Skandi Hera are expected to mobilise to the Buchan field in August to commence the disconnect and tow of the Buchan FPF from the field to the South Quay at Dales Voe. The work is expected to last 15 days and will involve anchor and anchor wire recovery followed by the actual tow to Dales Voe.



Location	Coordinates
Buchan FPF	57°54.330'N 000°01.978'E
A1 Anchor	57°52.807'N 000°03.560'E
A2 Anchor	57°52.593'N 000°01.405'E
B1 Anchor	57°53.216'N 000°00.518'E
B2 Anchor	57°54.105'N 000°01.262'E
C1 Anchor	57°55.147'N 000°00.899'E
C2 Anchor	57°55.889'N 000°00.670'E
D1 Anchor	57°56.016'N 000°02.548'E
D2 Anchor	57°55.527'N 000°04.236'E
E1 Anchor	57°54.561'N 000°05.156'E
E2 Anchor	57°53.431'N 000°04.754'E

Following the removal of the Buchan from location the Technip operated DSV Deep Arctic is expected to mobilise to the Buchan field to complete the final subsea well isolation and disconnection at the Buchan Template. The work is expected to last 7 days.

Location	Coordinates
Buchan FPF	57°54.330'N 000°01.978'E

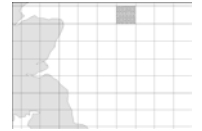
Note after the Buchan has departed the field there will be a guard vessel on station.

For further information: Richard Lappin, Repsol Sinopec, Tel: +44(1224) 352590 email: Richard.Lappin@repsolsinopecuk.com

Chestnut Field – Drilling Operations

Centrica drilling operations

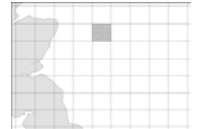
Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Paragon MSS1	Chestnut Field	57°57.053'N 001°12.836'E	07/08/17	70 Days



For further information: Eilidh Morrison, Centrica, Tel: +44(0)1224 415 429 email: eilidh.morrison@centrica.com

TEPUK ROV Structure and Pipeline Inspection – Central & Northern North Sea

TEPUK will be conducting an ROV based inspection survey of several pipelines and subsea structures in the Central and Northern North Sea areas. This will be conducted by Fugro Subsea Services Ltd from the vessel Skandi Olympia. Mobilisation took place on 7th July 2017 and campaign will last approximately 40 days.



- Inspection will commence in Northern North Sea for subsea well and structure inspections,.
- Inspection will then occur in Elgin / Franklin area of Central North Sea, mostly in 500m safety zones, followed by inspection along pipelines in the same area, outside 500m safety zones.
- Vessel will then transit north to inspect subsea wells, structures and pipelines in Alwyn / Dunbar / Nuggets / Jura / Islay area of Northern North Sea.

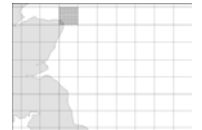
Please avoid this operation.

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

TEPUK Nearshore Acoustic Pipeline Inspection – St.Fergus Terminal and Orka Voe/Firths Voe, Shetland

TEPUK will be conducting a side scan sonar pipeline inspection campaign along nearshore sections of existing pipelines in Shetland and at St. Fergus Terminal (on behalf of PX Limited).

This will be conducted from the vessel Bibby Hydromap 'Lia' and/or 'Proteus of Liverpool'. Mobilisation took place on 21st July 2017 in Peterhead and campaign will last approximately 7 days at St. Fergus, before moving to Shetland in August.



Location	KP	Coordinates
Pipeline PL065 (FUKA line)	KP 0.182	57°34.700'N 01°49.440'W
	KP 8.750	57°34.550'N 01°41.000'W

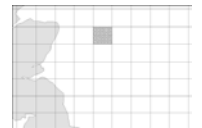
Please avoid this operation.

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

Mallard Water Injection – Pipeline Replacement Project

EnQuest are planning to undertake the installation of a water injection pipeline (and associated spoolpieces) between Kittiwake Platform and the Mallard drill centre, with an inline connection at the Gadwall field.

The earliest start date for operations to commence is 14th July. The operations are expected to last from the 14th July to the mid September. The operations will be undertaken from the following vessels: Deep Energy – Pipelay Vessel Deep Explorer DSV Fugro Saltire – Trenching (TBC) Rockdumper



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

Location	Position
Kittiwake	57°28.100'N 000°30.728'E
Gadwell	57°25.514'N 000°43.086'E
Mallard	57°25.100'N 000°45.414'E

For further information: Natalie Cooper, EnQuest, Tel: +44 1224 975694 email: natalie.cooper@enquest.com www.enquest.com

Catcher Area – Development Project

Subsea construction activities on behalf of Premier Oil UK Limited on the Catcher Area Development (including the Catcher, Burgman and Varadero fields) located in block 28/9a of the UKCS 56°46.200'N 000°42.783'E



Seabed Activity

To date, the following have been installed:

- six (6) drilling template structures (elevation 9.2m above seabed) at the drill centres and coordinates listed below;

Structure	Coordinates
2 x drilling template structures at Varadero drill centre Varadero Drilling Template 1: Varadero Drilling Template 2:	56°48.366'N 00°42.258'E 56°48.369'N 00°42.337'E
2 x drilling template structure at Catcher drill centre Catcher Drilling Template 1: Catcher Drilling Template 2:	56°46.277'N 00°46.299'E 56°46.321'N 00°46.296'E
2 x drilling template structure at Burgman drill centre Burgman Drilling Template 1: Burgman Drilling Template 2:	56°44.542'N 00°40.640'E 56°44.566'N 00°40.581'E

Please note; Each drill centre has an approved HSE 500m safety exclusion zone in force.

- **Pipeline Bundles:**
Three (3) x 3.5km pipeline bundles have been installed on the seabed between each Drill Centre and the future FPSO location.
- **FPSO Mooring System:**
Twelve (12) x piled anchors with chain and wire mooring legs (in 3 groups of 4 mooring legs) extending out approximately 1000m from the future Catcher FPSO location (56° 46' 12.44" N and 00° 42' 46.93" E, WGS84), where the mooring lines are connected to a Submerged Turret Production (STP) buoy - top of buoy at approximately 16m water depth. Please note, the STP buoy has its own approved HSE 500m safety exclusion zone.
- **Mid Water Arches and Gravity Base Structures**
Three (3) x piled gravity base structures attached to 3 x mid-water arches (buoyancy units used to support risers positioned mid-water approximately 30m below sea surface and 80m from the future FPSO location).
- **Dynamic Risers & Umbilicals**
13 x dynamic risers and umbilicals connected to the STP Buoy and running in catenary over the mid-water arch buoys and down to the seabed. The risers and umbilicals then run along the seabed, to Riser Base Towheads that are also within the STP Buoy/Future FPSO location 500m zone.
- **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' 29.71" N & 01° 42' 56.63" E
- **Offshore Dive Support Vessels (DSV) or Construction Support Vessels.**
There are currently no Support vessels working in the Catcher Development area. The Seven Pelican DSV is currently scheduled to return to the field mid-late September 2017. Diving will be undertaken for Spool Tie-ins activities at the Burgman Drill Centre location. The vessel will have limited manoeuvrability during this time.
- **Guard Vessel**
A Scottish Fishermen's Federation guard vessel [MV "Shamariah" FR245] is currently monitoring the STP Buoy location.

Drilling

The ENSCO 100 Drilling Rig will be moving to the Burgman Drilling Template 1 (56°44.542'N 00°40.640'E) late April and will remain at this location until Q3 2017, when it will move to Catcher Drilling Template 2.

The standby vessel Grampian Deliverance is monitoring the rig's 500m zone throughout drilling operations.

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

Blane Secure Production Project – Subsea destruction & Construction

The Technip operated DSV Deep Arctic is expected to mobilise to the Blane field to commence this workscope in early July. The work is expected to last 60 days and will involve the following activity over a number of separate vessel trips :



<ul style="list-style-type: none"> • Tree barrier testing • Production pipeline de-oiling • Gas lift pipeline flooding • PE destruct works incl spools • PW destruct works incl spools 	<ul style="list-style-type: none"> • Manifold installation • PW SVS installation • PE SVS installation • Spool metrology • Non metrology spool installation 	<ul style="list-style-type: none"> • Control system reconfiguration • Choke valve replacement • SCM replacement • Spool installation • Leak testing 	<ul style="list-style-type: none"> • Tree commissioning • Pipeline conditioning • Protection installation • Start up support
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Location	Coordinates
Well BPE	56°54.459'N 002°27.173'E
Well BPW	56°54.459'N 002°27.146'E
New Production manifold	56°54.447'N 002°27.115'E

For further information: Duncan Mennie, Repsol Sinopec, Tel: +44(1224) 501037 email: Duncan.Mennie@repsolsinopecuk.com

Culzean Field - Jacket Installation

Maersk Oil North Sea UK Limited, Culzean Project plan to intend to carry out construction activities with the installation of CPF and ULQ Jackets in the Culzean Field Development Area Block 22/25A



In addition the Culzean project also plan to install anchors and bottom chains for the future installation of the Culzean "Ailsa" FSO.

Area	Coordinates
Corner A	57°10.200'N 001°52.350'E
Corner B	57°11.183'N 001°50.717'E
Corner C	57°13.433'N 001°50.717'E
Corner D	57°13.433'N 001°59.650'E
Corner E	57°10.200'N 001°59.650'E

The CPF & ULQ Jackets installation shall be conducted by the SSCV Thialf with a planned installation window of 1st July to 31st July 2017. The Culzean FSO Anchor and chain installation will commence with a survey a boulder removal by the Maersk Achiever vessel from 1st to 15th July and then the Anchor and bottom chain installation by the Maersk Master vessel from 15th July to 30th August.

Area	Coordinates
Culzean ULQ Jacket Centre	57°11.415'N 001°54.474'E
Culzean CPF Jacket Centre	57°11.475'N 001°54.582'E

Please note: HSE recognised 500m safety zones shall be in force around both the jacket structures at the end of the installation works. Currently 500m zones are charted for both the Culzean WHP Jacket and Maersk Drilling Highlander HDJU Rig within the Culzean field.

- See Anchor list for Culzean FSO Anchors and Chain End coordinates

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

Ettrick Blackbird – Decommissioning Project

Nexen Petroleum UK Limited wish to advise that it is undertaking subsea works in the Ettrick and Blackbird Fields (block 20/2a, Central North Sea).



This work will be undertaken by the following vessels as detailed below and will mainly consist of the removal of risers, pipelines, umbilicals and subsea structures in line with the Decommissioning Programme for these fields.

Planned Start Date	Vessel	Duration
21/06/2017	Deep Arctic (DSV)	12 Days
26/06/2017	Normand Pioneer (ROVSV)	42 Days
05/07/2017	Deep Explorer (DSV)	20 Days

This work will be carried out mainly within HSE recognised 500m Safety Zones and on various pipelines within the field. The main areas of activity during this campaign are as follows:

Primary Locations:

Location	Coordinates
Disconnectable Turret Buoy	57°54.566'N 000°35.517'W
Ettrick Drill Centre Manifold	57°53.998'N 000°36.598'W
Blackbird Manifold	57°50.963'N 000°37.128'W
IW2	57°53.538'N 000°40.500'W
IB1	57°50.865'N 000°38.663'W

For further information: Ian Murphy, Tel: +44 (0)1224 371733 Email: Ian.Murphy@nexencnoocLtd.com

Deployment of Buoys

First Published: 13 July 2017 | Latest Update: 13 July 2017

Aberdeen Harbour – Atlantic Salmon Study

Mariners are advised that researchers from the University of Glasgow will be conducting a scientific study on the movements and behaviour of adult Atlantic salmon in the vicinity of Aberdeen Harbour and Nigg Bay. Below are a map and a table with the proposed locations of these moorings.



The moorings will hold research equipment that support hydrophone receivers that log the presence of adult Atlantic salmon tagged with acoustic ID tag transmitters migrating to the River Dee. The moorings will have no surface markers and will be located on the seabed, extending vertically no more than 4 metres. They will be acoustically released and the entire mooring will be recovered. 35 listening stations will be moored on the following locations

No.	Coordinates	No.	Coordinates
1	57°09.377'N 002°04.213'E	19	57°08.300'N 002°01.732'E
2	57°09.377'N 002°03.717'E	20	57°08.300'N 002°01.237'E
3	57°09.378'N 002°03.221'E	21	57°08.030'N 002°02.723'E
4	57°09.378'N 002°02.725'E	22	57°08.031'N 002°02.228'E
5	57°09.108'N 002°04.212'E	23	57°08.031'N 002°01.732'E
6	57°09.108'N 002°03.716'E	24	57°08.031'N 002°01.236'E
7	57°09.108'N 002°03.220'E	25	57°07.761'N 002°02.723'E
8	57°08.838'N 002°04.212'E	26	57°07.761'N 002°02.227'E
9	57°08.838'N 002°03.716'E	27	57°07.761'N 002°01.732'E
10	57°08.839'N 002°02.724'E	28	57°07.761'N 002°01.236'E
11	57°08.839'N 002°02.228'E	29	57°07.491'N 002°02.723'E
12	57°08.839'N 002°01.733'E	30	57°07.492'N 002°02.227'E
13	57°08.569'N 002°03.220'E	31	57°07.492'N 002°01.732'E
14	57°08.569'N 002°02.724'E	32	57°07.222'N 002°03.218'E
15	57°08.570'N 002°02.228'E	33	57°07.222'N 002°02.722'E
16	57°08.570'N 002°01.732'E	34	57°07.222'N 002°02.227'E
17	57°08.570'N 002°01.237'E	35	57°08.300'N 002°01.732'E
18	57°08.300'N 002°02.724'E		

The listening stations will be deployed from w/c 10th July 2017 and will be recovered by January 2018 the latest. If the recovery takes place earlier this will be announced. In the unlikely event of any receivers being found they should be returned to Aberdeen Harbour.

For further information: University of Glasgow researchers Hannele Honkanen h.honkanen.1@research.gla.ac.uk or Matthew Newton matthew.newton@glasgow.ac.uk

Notice to Fishermen

First Published: 13 July 2017 | Latest Update: 13 July 2017

Fishing Hazard – Wreck MV Ella



Please be advised the vessel MV Ella Sank and has been marked with a 25 litre can attached to 110m of rope at the following position

Position: 52°23.640'N 001°48.960'E



For further information: Lee Cornwall, Galloper Wind Farm, Tel: +44(0)7917 474352 email: lee.cornwall@innogy.com

Notice to Fishermen

First Published: 20 April 2017 | Latest Update: 01 June 2017

Fishing Hazard – Pipeline Span PL20



The pipeline is no longer a hazard and is stable on the seabed and not mobile. ROV surveys are in place with a view to removing/recovering the section of damaged pipeline (potentially up to 475m in length). Works may take up to 4 weeks.

The Havila Subsea construction vessel returned to Great Yarmouth port on Weds 31st May and is intending to return to the field for a further approx 7-8 days before returning to Great Yarmouth port again. The vessel will be continuing to be working on the pipeline in and around the area. The GV Aora is still acting as a guard vessel at the location.

They show the pipeline is still connected at the FTP (platform) end of the anomaly : 52°59.666'N 1°34.609'E

It shows there is a break in the pipeline – both ends on seabed and partially buried in sand: 52°59.481'N 1°34.329'E end not moved and 52°59.531'N 1°34.259'E relocated end) Plans are in place to stabilise the ends with mattresses.

For further information: Bob Brighton, Petrofac, Tel 01493 416811 email: Robert.brighton@petrofac.com



Notice to Fishermen

First Published: 06 April 2017 | Latest Update: 06 April 2017

Fishing Hazard – Horne & Wren Decommissioning



Recently removed the H&W platform, which means the 500M installation exclusion zone has ceased. Having successfully removed the installation, it means there are a number of potential snags left on and protruding to a maximum of 3.5 metres off the sea bed, which include pipeline infrastructure and two x 30" diameter conductor guides. In parallel, we have applied to the HSE, for a subsea safety exclusion zone for the location to ensure that sea goers are not able to access the area. This approval is expected within the next two to three months.

52°54.245'N 02°35.915'E

It is intended to remove the hazards in the next few months and return the sea bed to be over-trawlable

For further information: Darin Scales, Tollow Oil, Darin.Scales@tullowoil.com



Seabed Activity

First Published: 29 June 2017 | Latest Update: 29 June 2017

Sean Papa Platform – Drilling Operations

The Prospector 1 jack up rig will move to location in order to drill an exploration well for Oranje-Nassau Energie UK Limited. To be spudded in Block 49/30e approximately 3.8km south east of the Sean Papa platform .

Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Prospector 1	Sean Papa	53°10.002'N 002°54.257'E	24/07/17	60 Days

For further information: Linda Murray, Oranje-Nassau Energie UK Ltd, Tel: 44 1603 567239 email: linda.murray@ONEBV.com



Seabed Activity

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

Breagh Field – Drilling Operations

INEOS Breagh drilling activity

Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
EnSCO 121	Breagh A	54°35.736'N 00°26.015'E	01/07/17 – 31/01/18	215 Days



For further information: Phillip Jones, INEOS. Tel: +44 (0) 203 116 0641 phillip.jones@ineos.com

Seabed Activity

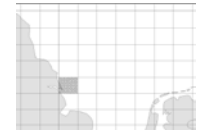
First Published: 15 June 2017 | Latest Update: 15 June 2017

Rough Gas Field – Activity

Please be advised that works involving the jack up vessel 'Seajacks Zaratan' being located alongside the Rough 47/3B gas production Complex, BD platform. A fixed gangway will link the Seajacks Zaratan to the BD Platform with the vessel being located at:

53°50.073'N 00°26.580'E

The Seajacks Zaratan will mobilise from the DAMEN Ship Repair yard in Amsterdam (Holland) on or about 1st July 2017 to sail to Rough (with a transit time of between 28 and 40 hours), being on location on or about the 2nd -3rd July 2017, jacked up alongside the BD Platform. The anticipated duration alongside the BD Platform is a maximum duration of 129 days, not extending beyond the 30th November 2017. The Seajacks Zaratan will then move off station and depart for a port on the UK coast, currently expected to be Great Yarmouth.



For further information: James Garvie, Centrica Storage, James.Garvie@centrica-sl.co.uk

Seabed Activity

First Published: 01 June 2017 | Latest Update: 01 June 2017

Janice, James and Affleck – 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 during the 2016 Phase 3a offshore campaign. A number of small structures as well as the Janice cluster and previously disconnected graveyard risers were also recovered to the Maersk Achiever.

The 2017 Janice Decommissioning campaign sees the Maersk Master AHT complete recovery of the 5.5km long flexible flowline and umbilical between the Janice Cluster and James Wells, as well as debris clearance at both locations. Additionally, the Maersk Achiever will be in field to recover further debris, miscellaneous structures and mattresses from the Janice Drill Centre, James Drill Centre and Affleck location during July.

The Janice subsea wells Plug and Abandonment campaign will be ongoing throughout 2017, with the Ocean Valiant Drilling Rig temporarily moving off-site in June to drill an appraisal well, this will coincide with the arrival of the Maersk Master in field. The remaining subsea infrastructure 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
Janice Drill Centre to James Drill Centre	30/17a	56°23.706'N 02°15.316'E to 56°21.485'N 02°18.835'E	Recovery of Flexible flowline and umbilical approx. 5.5km length	June – August 2017
Janice Drill Centre (within 500m zone)	30/17a	56°23.706'N 02°15.316'E	Debris Clearance	June – August 2017
James Drill Centre (within 500m Zone)	30/17a	56°21.485'N 02°18.835'E	Debris Clearance	June – August 2017
Janice Drill Centre (within 500m zone)	30/17a	56°23.706'N 02°15.316'E	Structure Recovery	June – August 2017
Affleck Drill Centre (within 500m zone)	30/19a	56°26.552'N 02°42.077'E	Structure Recovery & Debris Clearance	June – August 2017

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

Ireland – Drilling Operations

Providence drilling operations

Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
M/V Stena Icemax 2FMJ5	53/6-A	50°47.003'N 012°58.701'W	15/06/17 – 15/08/17	60 Days



For further information: Eimear, Sinbad Offshore Support Ltd, Tel: +353 749 741 472 email: eimear@sinbadoffshore.com

Notice to Fishermen

First Published: 25 July 2017 | Latest Update: 25 July 2017

Fishing Hazard – Possible Seabed Obstruction



Hazardous Pipeline Spans (gaps underneath the pipeline) 2 x pipeline spans – gaps underneath the pipeline – have been reported at the position below. They are approx. 2 metres high and 16 metres and 12 metres long.



Coordinates

54°59.484'N 005°13.235'W

For further information: Kingfisher Information, using the details at the foot of this page.

Notice to Fishermen

First Published: 13 July 2017 | Latest Update: 13 July 2017

Fishing Hazard – Possible Seabed Obstruction



The Department of Transport, Tourism and Sport has been advised by PSE Kinsale Energy Ltd that following a survey of the Kinsale Head gas field pipeline, a possible seabed obstruction has been identified. The nature of the seabed obstruction may present a hazard to ground fishing equipment. Any fishing vessels operating within the area are advised to proceed with caution.



Coordinates

51°42.600'N 008°11.214'W
51°41.622'N 008°10.739'W
51°41.327'N 008°11.466'W
51°41.778'N 008°11.941'W

For further information: UKHO, Tel: +44(0)1823 352448 email: navwarnings@btconnect.com

Seabed Activity

First Published: 23 February 2017 | Latest Update: 12 July 2017

Liverpool Bay – Drilling Operations

Petrofac drilling operations

Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Irish Sea Pioneer	Lennox Field 110/15L	53°37.881'N 003°10.595'W	30/05/17	138 Days
Irish Sea Pioneer	Douglas Field 110/13D	53°32.234'N 003°34.781'W	26/07/17	10 Days



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

Deployment of Buoys

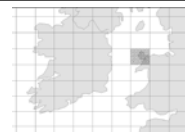
First Published: 25 July 2017 | Latest Update: 25 July 2017

West Anglesey – Mooring Deployment

Bangor University have deployed two submersed moorings containing acoustic recorders at the following locations for approximately three weeks

Coordinates

52°45.274'N 004°46.030'W
52°46.466'N 004°48.029'W



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

Area 1 Rig List

Latest Update: 07 August 2017

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
New	Ocean Patriot	58°03.20'N 01°04.40'W		Deepsea Aberdeen	60°20.10'N 04°02.40'W
	Ensko 80	58°05.70'N 03°09.10'W		Maersk Intrepid	60°30.30'N 02°00.80'E
	Maersk Integrator	58°34.30'N 01°41.80'E		West Phoenix	61°37.70'N 03°00.90'W
	Rowan Viking	58°50.60'N 02°14.90'E		Safe Scandinavia	60°41.90'N 02°55.90'E
	Deepsea Atlantic	58°52.20'N 02°31.10'E	New	Songa Endurance	60°48.50'N 03°35.60'E
	Maersk Interceptor	58°55.30'N 02°11.80'E		COSL Promoter	60°49.80'N 03°34.40'E
New	Transocean Spitsbergen	59°01.30'N 01°21.20'E		Songa Equinox	60°54.90'N 03°37.50'E
	Wilphenix	59°26.00'N 01°40.90'E		West Elara	61°02.30'N 02°20.30'E
	Transocean Arctic	59°29.70'N 01°57.90'E		Transocean 712	61°19.40'N 01°32.10'E
New	Safe Boreas	59°35.20'N 01°03.20'E	New	Bideford Dolphin	61°29.10'N 02°13.20'E
New	Noble Lloyd Noble	59°35.30'N 01°08.90'E		Deepsea Stavanger	64°58.40'N 06°58.50'E
	Transocean Leader	59°56.90'N 01°15.80'E			

Area 2 Rig List

Latest Update: 07 August 2017

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
New	Maersk Resolute	55°23.90'N 03°48.60'E		Paul B Loyd	56°50.10'N 01°42.90'E
	Noble Sam Turner	55°32.30'N 05°01.90'E		Ensko 120	56°51.00'N 02°15.30'E
	Maersk Guardian	55°34.80'N 04°45.40'E		Safe Caledonia	57°00.57'N 01°49.97'E
	Maersk Resilient	55°43.20'N 04°47.90'E		Prospector 5	57°00.73'N 01°50.41'E
	Seafox 5	56°20.70'N 04°16.20'E		Noble Hans Deul	57°01.90'N 01°57.30'E
	Maersk Innovator	56°22.60'N 03°15.50'E		Maersk Gallant	57°10.70'N 01°06.06'E
New	Ocean Valiant	56°23.70'N 02°15.30'E		Maersk Highlander	57°11.70'N 01°54.80'E
	Ensko 122	56°43.60'N 02°05.20'E	New	Rowan Norway	57°22.50'N 01°23.00'E
	Ensko 100	56°44.60'N 00°40.70'E			

Area 3 Rig List

Latest Update: 07 August 2017

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	590021	53°14.00'N 03°14.50'E	New	Ensko 101	53°39.20'N 03°52.50'E
	Atlantic Amsterdam	53°17.80'N 00°48.50'E		Seajacks Zaratán	53°50.10'N 00°26.60'E
New	Seafox 4	53°18.80'N 04°14.90'E		Rowan Gorilla VII	54°03.30'N 01°02.10'E
	Ensko 72	53°23.20'N 04°15.60'E		Maersk Resolve	54°15.10'N 02°31.40'E
New	Paragon B391	53°30.50'N 02°10.30'E	New	Ensko 121	54°35.70'N 00°26.00'E
New	GMS Endeavour 6102	53°36.50'N 04°12.30'E		Seafox 7	54°36.00'N 02°11.80'E

Area 4 Rig List

Latest Update: 07 August 2017

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Stena Icemax	50°47.00'N 12°58.80'W			

Area 5 Rig List

Latest Update: 07 August 2017

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Irish Sea Pioneer	53°37.90'N 03°10.60'W		Seafox 2	54°05.60'N 03°51.40'W
	GMS Endurance	53°51.80'N 03°37.10'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: 10 August 2017

Deepsea Aberdeen – Pre-Laid at Schiehallion West Drill Centre

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	60°20.100'N 04°02.400'W	3	60°25.483'N 04°03.903'W	6	60°24.440'N 04°01.812'W
1	60°24.402'N 04°04.853'W	4	60°25.678'N 04°02.547'W	7	60°24.017'N 04°02.557'W
2	60°25.032'N 04°04.875'W	5	60°25.057'N 04°01.780'W	8	60°24.010'N 04°04.015'W

Deepsea Aberdeen – Schiehallion Loyal Drill Centre

Anchor No.	Anchor Position	Surface Buoy	Anchor No.	Anchor Position	Surface Buoy
Well					
1	60°24.426'N 004°06.108'W	60°24.438'N 004°04.686'W	5	60°25.314'N 004°00.450'W	60°25.098'N 004°01.524'W
2	60°25.284'N 004°06.132'W	60°24.996'N 004°04.404'W	6	60°24.174'N 004°00.420'W	60°24.432'N 004°01.752'W
3	60°26.112'N 004°04.476'W	60°26.112'N 004°04.476'W	7	60°23.358'N 004°01.950'W	60°23.874'N 004°02.454'W
4	60°26.136'N 004°02.178'W	60°25.434'N 004°02.718'W	8	60°23.310'N 004°04.356'W	60°23.994'N 004°03.888'W

Deepsea Aberdeen – Schiehallion Central Drill Centre

Anchor No.	Anchor Position	Surface Buoy	Anchor No.	Anchor Position	Surface Buoy
Well					
1	60°19.602'N 004°05.592'W	60°19.800'N 004°03.660'W	5	60°20.454'N 003°59.346'W	60°20.280'N 004°00.588'W
2	60°20.646'N 004°04.776'W	60°20.322'N 004°03.600'W	6	60°19.266'N 003°59.700'W	60°19.632'N 004°01.092'W
3	60°21.336'N 004°03.102'W	Anchor Laid Down on Seabed	7	60°20.112'N 004°01.692'W	60°19.158'N 004°02.998'W
4	60°21.432'N 004°00.948'W	60°20.670'N 004°01.710'W	8	60°18.624'N 004°04.038'W	60°19.440'N 004°02.988'W

Transocean Spitsbergen – As-Laid at Jock Scott location, block 9/27

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	59°01.215'N 01°21.061'E	3	59°01.882'N 01°20.881'E	6	59°00.827'N 01°22.132'E
1	59°01.120'N 01°19.764'E	4	59°01.767'N 01°21.818'E	7	59°00.547'N 01°21.242'E
2	59°01.602'N 01°19.993'E	5	59°01.309'N 01°22.361'E	8	59°00.662'N 01°20.307'E

Transocean Spitsbergen – at Verbiel 20/5banchors to be pre-laid Approx 10th August

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	57°56.018'N 00°04.371'W	3	57°56.647'N 00°03.919'W	6	57°55.413'N 00°03.814'W
1	57°56.257'N 00°05.560'W	4	57°56.291'N 00°03.321'W	7	57°55.388'N 00°04.823'W
2	57°56.623'N 00°04.929'W	5	57°55.778'N 00°03.183'W	8	57°55.721'N 00°05.514'W

Transocean Arctic – At Volund West

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	59°29.079'N 001°50.029'E	3	59°29.891'N 001°49.142'E	6	59°28.747'N 001°51.723'E
1	59°28.775'N 001°48.287'E	4	59°29.972'N 001°50.560'E	7	59°28.218'N 001°50.728'E
2	59°29.411'N 001°48.348'E	5	59°29.484'N 001°51.679'E	8	59°28.235'N 001°49.402'E

Transocean Arctic – At Volund West

The bottom chains connected to the anchors have been layed down with 180m pennant wires and ROV pickup system.

Chain length: 1305m

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
1	59°28.774'N 001°48.288'E	2	59°29.410'N 001°48.349'E	3	59°29.890'N 001°49.142'E

Transocean 712 – At Osprey

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	61°19.496'N 001°32.716'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

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



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

Area 2 Anchor List

Latest Update: 10 August 2017

PBLJ – At Capercaillie

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	56°50.055'N 001°42.779'E	3	56°50.397'N 001°44.339'E	6	56°49.199'N 001°42.154'E
1	56°50.925'N 001°42.144'E	4	56°49.709'N 001°44.350'E	7	56°49.711'N 001°41.224'E
2	56°50.905'N 001°43.402'E	5	56°49.222'N 001°43.388'E	8	56°50.401'N 001°41.213'E

Ocean Patriot – Proposed At Egret Anchor pattern will have a circa 1600m radius

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	57°10.361'N 001°44.677'E	3	57°10.322'N 001°43.477'E	6	57°11.022'N 001°45.349'E
1	57°09.678'N 001°44.625'E	4	57°10.596'N 001°43.567'E	7	57°10.361'N 001°46.110'E
2	57°09.753'N 001°44.133'E	5	57°11.111'N 001°44.773'E	8	57°09.999'N 001°46.187'E

Culzean – Culzean FSO Anchors

Anchor No.	Anchor Pad Eye	Chain End (Inc 10m Adjust)	Anchor Position	Chain End (Inc 10m Adjust)
Well				
1	57°11.723'N 001°56.145'E	57°11.724'N 001°56.314'E	7	57°11.065'N 001°58.562'E
2	57°11.680'N 001°56.148'E	57°11.686'N 001°56.316'E	8	57°11.092'N 001°58.625'E
3	57°11.637'N 001°56.154'E	57°11.647'N 001°56.322'E	9	57°12.445'N 001°58.413'E
4	57°11.594'N 001°56.165'E	57°11.609'N 001°56.332'E	10	57°12.465'N 001°58.343'E
5	57°11.018'N 001°58.429'E	57°11.097'N 001°58.344'E	11	57°12.483'N 001°58.271'E
6	57°11.041'N 001°58.497'E	57°11.117'N 001°58.404'E	12	57°12.500'N 001°58.197'E

Safe Caledonia – Elgin

As part of the Safe Caledonia move to the Elgin Field in the Central North Sea, a mooring system comprising anchors and mooring lines has been installed as of 24th April at the following locations. Please avoid this mooring pattern

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	57°00.570'N 001°49.970'E	4	57°00.791'N 001°48.091'E	8	57°00.399'N 001°51.631'E
1	56°59.719'N 001°49.579'E	5	57°01.497'N 001°49.888'E	9	56°59.766'N 001°50.607'E
2	56°59.869'N 001°49.011'E	6	57°01.477'N 001°50.321'E	10	57°01.321'N 001°48.663'E
3	57°00.193'N 001°48.188'E	7	57°00.636'N 001°51.655'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

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COSL Rival – Proposed Mooring at Judy30/7a



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

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

Area 1 Survey List

Latest Update: 10 August 2017

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Fugro Survey Ltd Mv Fugro Galaxy	1400m 3m	59°14.632'N 001°13.617'E 59°23.849'N 001°15.350'E 59°23.132'N 001°29.934'E 59°13.915'N 001°28.151'E	9/17, 9/18, 9/22, 9/23	September For 10 Days
Fugro Survey Ltd Mv Fugro Galaxy	1400m 3m	58°45.164'N 000°51.918'E 58°37.547'N 001°07.402'E 58°31.380'N 000°56.219'E 58°38.997'N 000°40.718'E	15/9, 15/10, 15/14, 15/15, 16/06, 16/11	September / October For 20 Days
Schlumberger TBA		60°40.122'N 003°23.830'W	206	01/09/2017 - 30/03/2018 For 1 Day
Fugro Survey AS Fugro Galaxy C6YY4	1400m 3m	59°14.632'N 001°13.617'E 59°23.849'N 001°15.350'E 59°23.132'N 001°29.934'E 59°13.915'N 001°28.151'E	9	01/09/2017 - 30/11/2017 For 10 Days
Fugro Fugro Searcher 3EUY6	1200m 3m	60°21.773'N 004°18.486'W 60°25.085'N 004°11.332'W 60°23.667'N 004°08.657'W 60°25.870'N 004°03.874'W 60°24.765'N 004°01.798'W 60°23.848'N 004°03.792'W 60°23.256'N 004°02.681'W 60°22.972'N 004°02.468'W 60°21.657'N 004°04.876'W 60°19.821'N 004°08.853'W 60°20.136'N 004°09.446'W 60°18.666'N 004°12.621'W	204	28/08/2017 - 31/10/2017 For 13 Days
Gardline Geosurvey Ltd MV Ocean Endeavour GAAL MV Ocean Researcher GDLS	1200m 3m	59°32.525'N 001°32.694'E 59°30.261'N 001°39.912'E 59°26.594'N 001°35.458'E 59°28.855'N 001°28.249'E	9	21/08/2017 - 31/12/2017 For 4 Days
Fugro Survey Ltd MV Fugro Venturer C6CG3		61°40.610'N 001°28.557'E 61°40.534'N 001°35.397'E 61°31.507'N 001°28.125'E 61°31.360'N 001°40.909'E	211	15/08/2017 - 30/11/2017 For 5 Days
Fugro Survey Ltd MV Fugro Venturer C6CG3		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	15/08/2017 - 30/11/2017 For 4 Days
Fugro Survey Ltd MV Fugro Venturer C6CG3	1400m 3m	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	08/08/2017 - 30/09/2017 For 7 Days
Bibby Hydromap Lia MERD8 Proteus of Liverpool 2HBL7		60°30.664'N 001°15.734'W 60°28.786'N 001°15.433'W	207	05/08/2017 - 12/08/2017 For 4 Days
MG3 Survey (UK) Ltd MV Poseidon TFJC	1300m 3m	58 09 47.41 N 01 20 37.67 W 58 09 29.90 N 01 23 56.71 W 58 10 46.01 N 01 28 30.61 W 58 12 25.09 N 01 29 08.07 W 58 12 37.42 N 01 26 03.68 W 58 11 34.01 N 01 21 18.64 W	13	02/08/2017 - 31/10/2017 For 10 Days
FairfieldNodal MV Ocean Pearl C6ZW4 Geowave Commander LAKY6 Shemarah II MVR7	83m 8m	58°19.749'N 001°24.124'E 58°19.973'N 001°44.192'E 58°09.552'N 001°44.562'E 58°09.329'N 001°24.592'E	16	01/08/2017 - 30/09/2017 For 30 Days
Fugro Survey AS MV Fugro Galaxy C6YY4	1400m 3m	58°18.663'N 001°26.920'E 58°25.130'N 001°26.637'E	16	27/07/2017 - 31/10/2017 For 1 Day
MG3 Survey (UK) Ltd MV Poseidon TFJC	1300m 5m	58°01.558'N 001°37.083'E 58°04.278'N 001°42.013'E 58°01.661'N 001°47.137'E 57°58.944'N 001°42.207'E	16	24/07/2017 - 15/08/2017 For 9 Days
Schlumberger		60°37.678'N 003°00.894'W	205/15	01/07/2017 - 01/01/2018 For 1 Day

Fugro Survey Ltd Mv Fugro Galaxy	1400m 3m	58°18.700'N 001°27.017'E 58°25.167'N 001°26.733'E 58°25.300'N 001°39.833'E 58°18.833'N 001°39.300'E	UK 16/18a Norway 15/8	Mid August For 1 day
Oceana MV Neptune TFNX		59°09.300'N 01°06.100'E 59°09.300'N 01°49.500'E 58°46.600'N 01°49.500'E 58°46.600'N 01°06.100'E		07/07/2017 - 07/08/2017
Fugro Survey Fugro Venturer C6CG3	1550 3m	60°19.158'N 003°06.301'W 60°19.158'N 002°53.266'W 60°11.616'N 002°53.292'W 60°11.616'N 003°06.277'W	205; 206	04/07/2017 - 30/09/2017 For 12 Days
PGS Exploration (UK) Ltd Sanco Swift ZDKY8	8100m 25m	60°50.834'N 001°16.953'E 60°51.173'N 001°53.238'E 60°29.993'N 001°57.392'E 60°28.910'N 001°57.602'E 60°27.292'N 001°56.903'E 60°26.076'N 000°25.716'E 60°28.459'N 000°24.007'E 60°47.718'N 000°13.571'E 60°50.764'N 000°14.591'E 60°51.741'N 001°12.172'E 60°51.807'N 001°16.874'E	2; 3	03/07/2017 - 01/11/2017 For 42 Days
WesternGeco Limited MV WG Amundsen - 5BXE2 MV WG Magellan - 5BPK2 MV WG Columbus - 5BNS2 MV WG Vespucci - 5BXF2		60°44.747'N 002°54.058'W 60°28.907'N 002°51.595'W 60°15.552'N 002°30.944'W 59°35.628'N 004°02.055'W 60°02.400'N 004°45.355'W 60°14.047'N 004°17.031'W 60°38.236'N 004°11.518'W 61°00.664'N 003°17.674'W	202; 203; 204 205; 206	15/06/2017 - 31/10/2017 For 93 Days
Maersk Oil North Sea Uk Ltd MV WG Magellan	4300m 18m	57°58.518'N 002°25.455'W 58°00.363'N 001°38.491'W 58°11.693'N 001°39.953'W 58°15.308'N 001°54.491'W 58°14.680'N 002°10.553'W 58°10.274'N 002°27.230'W	12; 13; 18; 19	12/06/2017 - 30/10/2017 For 30 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		58°45.419'N 001°30.869'E 58°47.035'N 001°30.940'E 58°47.071'N 001°27.827'E 58°45.455'N 001°27.759'E	16	07/06/2017 - 30/09/2017 For 3.5 Days
Fugro Fugro Venturer C6CG3	1550m 3m	61°21.304'N 001°44.195'W 61°29.771'N 001°25.736'W 61°36.961'N 001°40.154'W 61°28.463'N 001°58.619'W	208	01/06/2017 - 30/09/2017 For 12 Days
Fugro Fugro Venturer C6CG3	1550m 3m	61°21.304'N 001°44.195'W 61°29.771'N 001°25.736'W 61°36.961'N 001°40.154'W 61°28.463'N 001°58.619'W	208	01/06/2017 - 30/09/2017 For 12 Days
Gardline Geosurvey Ltd MV Kommandor PBQW	1200 / 3m	59°35.849'N 01°39.467'E 59°35.932'N 01°47.967'E 59°31.623'N 01°48.121'E 59°31.540'N 01°39.638'E	9	01/05/2017 - 31/10/2017 For 4 Days
FairfieldNodal MV Ocean Pearl C6ZWS GeoWave Commander LAKY6 Shemarah II 9120889		60°51.310'N 002°28.091'W 60°45.750'N 002°17.308'W 60°41.927'N 002°21.660'W 60°41.038'N 002°24.544'W 60°36.993'N 002°33.213'W 60°38.474'N 002°36.087'W 60°38.362'N 002°37.095'W 60°41.645'N 002°43.491'W	206	15/05/2016 - 30/08/2017 For 100 Days

Area 2 Survey List

Latest Update: 10 August 2017

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
TBC	100m 3m	58°02.880'N 000°59.137'W 58°02.721'N 000°49.488'W 57°52.893'N 000°50.082'W 57°52.051'N 000°59.687'W	20; 14	23/08/2017 - 31/10/2017 For 4 Days
Oceana MV Neptune TFNX		55°55.025'N 002°08.958'W 56°07.000'N 002°08.958'W 56°07.000'N 000°47.200'W 55°06.735'N 000°47.200'W 55°06.735'N 001°29.917'W		19/08/2017 - 23/08/2017
Baker Hughes Wireline Island Spirit LAVQ7	2m 4m	57°11.406'N 001°53.889'E	22	18/08/2017 - 28/02/2018 For 2 Days
WesternGeco MV WG Columbus 5BNS2	3000m 5m	57°02.989'N 000°53.354'E 57°02.924'N 001°01.848'E 57°06.523'N 001°01.948'E 57°06.588'N 000°53.441'E	21	01/08/2017 - 30/09/2017 For 25 Days
Fugro Survey Ltd Mv Fugro Venturer C6CG3	Autonomous Underwater Vehicle	57°07.253'N 002°01.473'E 57°05.655'N 002°09.890'E 57°02.094'N 002°07.603'E 57°03.690'N 001°59.198'E	23 Email: Anthony.mathieson@uk.bp.com	01/08/2017 - 20/08/2017 For 20 Days
Havla Shipping ASA Havila Subsea - LGSY3		57°10.676'N 001°06.450'E 57°10.657'N 001°06.418'E 57°10.683'N 001°06.424'E	22	23/06/2017 - 01/10/2017 For 1 Day
Tideway Seahorse PCAP		57°18.911'N 001°19.156'E 57°18.994'N 001°25.140'E 57°15.761'N 001°25.273'E 57°15.677'N 001°19.306'E	22	22/07/2017 - 31/10/2017 For 3 Days
Van Oord Offshore Fugro Meridian C6QR4		57°34.544'N 001°48.757'W 57°34.606'N 001°48.473'W 57°34.532'N 001°48.415'W 57°34.469'N 001°48.699'W	19	17/07/2017 - 30/09/2017 For 5 Days

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Gardline Geosurvey Ltd MV Ocean Reliance - J8B2707		58°01.489'N 000°48.185'E 57°57.881'N 000°48.406'E 57°57.755'N 000°41.313'E 58°01.363'N 000°41.080'E 57°56.418'N 000°33.773'E 57°52.997'N 000°31.954'E 57°54.399'N 000°22.604'E 57°57.822'N 000°24.410'E	21; 15	10/07/2017 - 31/08/2017 For 14 Days
MMT M/V Franklin SEIN		UK Area 57°28.362'N 001°43.853'W 57°33.576'N 001°33.841'W 57°41.499'N 001°01.583'W 58°18.183'N 000°57.387'E 58°25.614'N 001°29.174'E		26/06/2017 For 4 Weeks
Bibby Hydromap Lia MERD8 Proteus of Liverpool 2HBL7		57°34.682'N 001°49.619'W 57°34.529'N 001°40.761'W	19	22/07/2017 - 30/09/2017 For 4 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		57°39.225'N 001°18.081'E 57°39.182'N 001°22.101'E 57°37.069'N 001°18.004'E 57°37.027'N 001°22.020'E	22	11/06/2017 - 30/09/2017 For 3 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		57°08.023'N 001°49.600'E 57°08.066'N 001°46.628'E 57°09.682'N 001°46.705'E 57°09.640'N 001°49.680'E	22	10/06/2017 - 30/09/2017 For 3.5 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		57°05.830'N 000°50.297'E 57°04.213'N 000°50.260'E 57°05.802'N 000°54.258'E 57°04.186'N 000°54.218'E	21	09/06/2017 - 30/09/2017 For 1.5 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		57°07.304'N 001°00.437'E 57°11.077'N 001°00.540'E 57°11.129'N 000°53.592'E 57°07.357'N 000°53.502'E	21; 22	03/06/2017 - 30/09/2017 For 4.5 Days
Bibby Hydromap Proteus of Liverpool 2HBL7		57°34.720'N 001°49.700'W 57°34.453'N 001°44.413'W	19	01/06/2017 - 30/09/2017 For 5 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		57°09.556'N 001°43.165'E 57°11.172'N 001°43.240'E 57°11.131'N 001°46.216'E 57°09.514'N 001°46.139'E	22	01/06/2017 - 30/09/2017 For 3 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		56°54.224'N 000°59.904'E 56°55.840'N 000°59.947'E 56°55.816'N 001°02.904'E 56°54.199'N 001°02.859'E	29	01/06/2017 - 30/09/2017 For 3 Days
Total E&P UK Limited TBA	5500m 7m	56°53.910'N 001°33.474'E 57°08.611'N 001°57.108'E 57°03.361'N 002°08.091'E 56°48.660'N 001°44.241'E	29; 22	15/05/2017 - 15/10/2017 For 10 Days
Total E&P UK Limited TBA	5500m 8m	56°53.909'N 001°33.475'E 57°08.606'N 001°57.103'E 57°02.196'N 002°10.529'E 56°47.585'N 001°46.433'E	29; 22	15/05/2017 - 15/10/2017 For 30 Days
Baker Hughes Wireline TBC	2m 4m	57°11.445'N 001°53.982'E	22	04/05/2017 - 31/12/2017 For 2 Days
CGG Services S. A Geo Coral FIPH	8000m 50m	56°49.920'N 001°40.273'E 56°49.570'N 002°29.826'E 56°44.150'N 002°32.509'E 56°35.660'N 002°36.710'E 56°32.011'N 002°41.295'E 56°26.577'N 002°48.087'E 56°27.108'N 000°44.092'E 56°43.780'N 000°43.978'E 56°43.832'N 001°13.992'E 56°47.135'N 001°13.997'E	28; 29; 30	01/05/2017 - 30/11/2017 For 37 Days
Gardline Geosurvey Ltd MV Ocean Reliance - J8B2707 MV Kommnader - PBQW MV Ocean Researcher - GDLS	1200m 3m	57°51.235'N 000°46.893'E 57°49.200'N 000°54.018'E 57°45.401'N 000°50.204'E 57°47.433'N 000°43.089'E	21	01/05/2017 - 31/10/2017 For 4 Days
PGS Exploration (UK) Ltd Ramform Vanguard 9188714		57°50.484'N 001°11.982'E 58°01.038'N 001°51.440'E 57°54.300'N 001°57.979'E 57°19.459'N 002°15.040'E 57°05.838'N 001°26.734'E	22; 23	01/04/2017 - 30/09/2017 For 84 Days

Area 3 Survey List

Latest Update: 27 July 2017

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Fugro Subsea Services Ltd MV Fugro Searcher 3EUY6		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°56.018'E	48; 52	01/09/2017 - 22/12/2017 For 14 Days
Bibby Hydromap Bibby Tethra 2EGF8		54°32.912'N 001°39.393'E 54°32.455'N 001°42.065'E	43	01/08/2017 - 30/09/2017 For 2 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		53°27.489'N 001°52.168'E 53°27.461'N 001°53.974'E 53°26.382'N 001°53.926'E 53°26.411'N 001°52.121'E	48	02/06/2017 - 30/09/2017 For 3 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		53°07.036'N 002°03.066'E 53°07.005'N 002°04.858'E 53°05.927'N 002°04.806'E 53°05.958'N 002°03.015'E	49	02/06/2017 - 30/09/2017 For 3 Days
Bibby Hydromap Proteus of Liverpool 2HBL7	1300m 3m	52°52.188'N 001°27.315'E 52°55.187'N 001°27.598'E	52	01/05/2017 - 31/08/2017 For 5 Days
Bibby Hydromap Bibby Tethra 2EGF8		53°27.974'N 001°54.431'E 53°28.110'N 001°55.570'E 53°27.455'N 001°55.789'E 53°27.319'N 001°54.651'E	48	10/04/2017 - 30/09/2017 For 2 Days
Bibby Hydromap Bibby Tethra 2EGF8		53°04.776'N 002°10.313'E 53°05.042'N 002°11.341'E 53°04.423'N 002°11.783'E 53°04.156'N 002°10.755'E	49	24/07/2017 - 01/10/2017 For 3 Days
Fugro Survey Ltd Fugro Ventura C6CG3	100m 3m	53°18.216'N 001°19.455'E 53°15.226'N 002°05.359'E 52°51.567'N 001°27.429'E	48; 49	08/07/2017 - 31/10/2017 For 49 Days

Area 4 Survey List

Latest Update: 27 July 2017

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Benthic Solutions Ltd MV Sir William MCQB6 MV Wessex Explorer 2WWE		50°39.440'N 001°50.864'W 50°39.451'N 001°49.146'W 50°38.898'N 001°49.147'W 50°38.890'N 001°50.860'W	98	14/07/2017 - 12/08/2017 For 8 Days

Area 5 Survey List

Latest Update: 27 July 2017

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Bibby Hydromap Bibby Athena 2ICA5 Proteus of Liverpool 2HBL7 Kommandor Iona GAAK Bibby Tethra 2EGF8		53°42.687'N 003°08.985'W 53°42.760'N 003°41.408'W 53°20.032'N 003°41.408'W 53°19.958'N 003°08.985'W	110	23/08/2017 - 30/11/2017 For 45 Days