

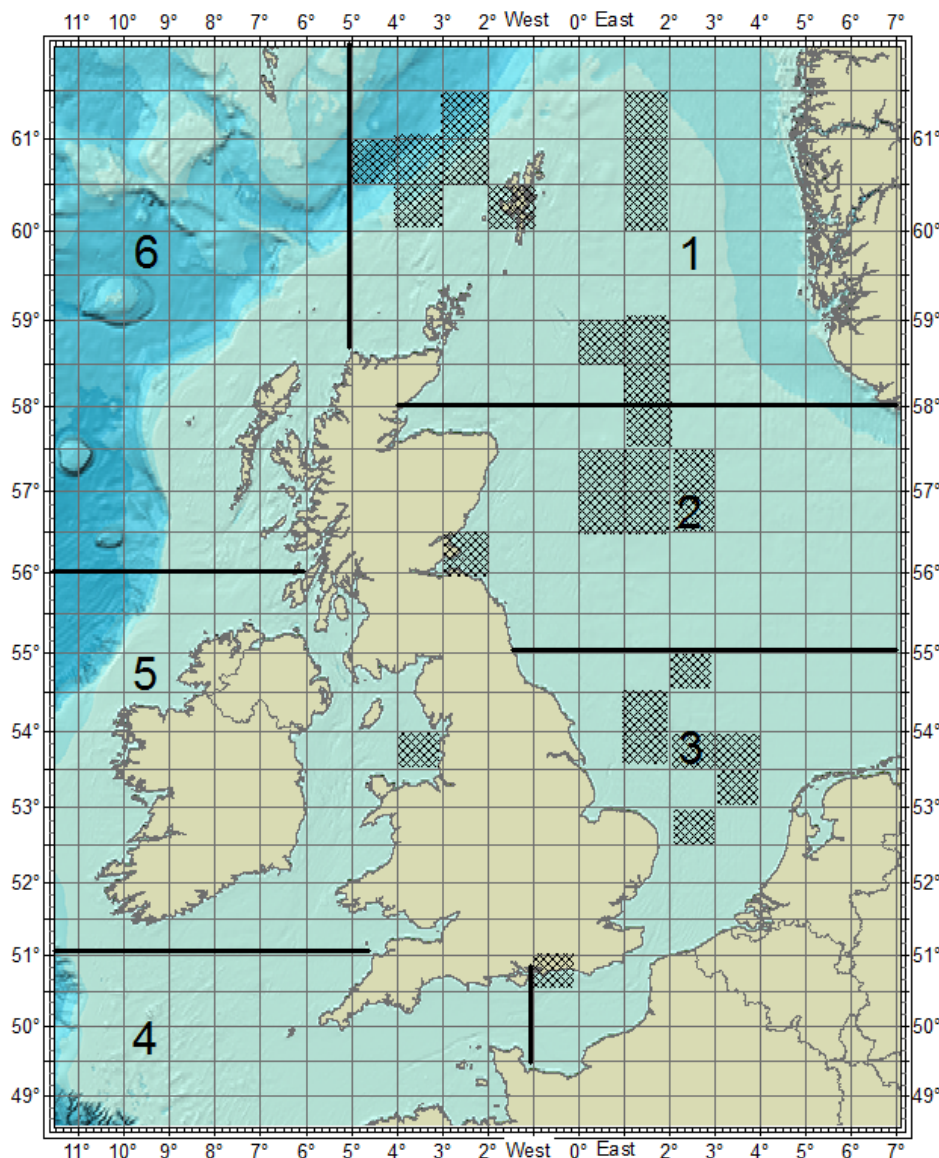
The Kingfisher Bulletin

Offshore News

OIL AND GAS

01 NOVEMBER 2018 | ISSUE 22

Shaded blocks indicate activity.



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STAY UPTO 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

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
Lost Vibro Corer West of Shetland	60°21.430'N 003°51.360'W	20 Sept 2018	Raymond Hall, Tel: 01224 646944 email: R.Hall@sff.co.uk	
New suspended wellhead on seabed (204/10a-5Y)	60°49.083'N 004°09.351'W	20 Sept 2018	Marcelle Wynter, DECC, Tel: 0300 067 1616 email: Marcelle.wynter@ogauthority.co.uk	
Significant free-spans have been identified along the PL1043 Dunbar to Alwyn pipeline	60°38.646'N 01°39.193'E 60°38.713'N 01°39.207'E 60°39.017'N 01°39.267'E 60°39.033'N 01°39.271'E	31 May 2018	David Colliard, email: david.colliard@total.com	

Area 2 Hazard List

Hazard Type	Position	Issue Date	Contact Details	Map
Lost steel drill and conductor casing.	56°16.450'N 002°15.170'W	04 Oct 2018	Sarah MacNab sarah@consult-poseidon.com Tel: +44(0)7766 900074	
Lost a drill string	56°15.147'N 002°18.574'W	06 Sept 2018	Sarah MacNab sarah@consult-poseidon.com Tel: +44(0)7766 900074	
Snagging Hazard at Abandoned Well 30/01c-9	56°50.655'N 002°10.022'E	04 Oct 2018	Nick Strachan, BP email: nick.strachan@uk.bp.com	

Area 3 Hazard List

Hazard Type	Position	Issue Date	Contact Details	Map
100m Lost Tether 30mm diameter	53°48.000'N 003°34.000'W	01 Nov 2018	Robert Millman, Spirit Energy, Tel: +44(0)1224 411 690 email: Robert.millman@spirit-energy.com	
Loss of approximately 35m of steel CPT rods 3.6cm Dia	54°45.505'N 001°44.479'E	06 Sept 2018	Dave Scott, SSE. Tel: +44(0)1738 516993 email: david.scott@sse.com	
Wreck FV Sonja Z.19 Least Depth 35.15m, Surround Depths 45.5m Laying 45° to Port.	52°48.410'N 002°19.570'E	06 Sept 2018	Duty Officer, UKHO, Tel: +44(0)1823 353448 email: nawarnings@btconnect.com	
Anchor approx. 3.5m x 1.8m	50°41.147'N 000°17.657'W	28 June 2018	Gordon Bain (Eon Marine Coordination) +44(0)7787241442	

Area 5 Hazard List

Hazard Type	Position	Issue Date	Contact Details	Map
100m Lost Tether 30mm diameter	53°48.000'N 003°34.000'W	01 Nov 2018	Robert Millman, Spirit Energy, Tel: +44(0)1224 411 690 email: Robert.millman@spirit-energy.com	
Dropped Ladder 1.5 metres above the seabed and is 50cm wide	53°51.599'N 03°17.774'W	20 Sept 2018	Gavin Scarff, Orsted, Tel: +44 74 6 9377056 email: GAVSC@orsted.co.uk	

Notice to Fishermen

First Published: 18 October 2018 | Latest Update: 18 October 2018

Abandoned Wellheads 2018



In September/October 2018 overtrawlability trials were conducted at several abandoned wellhead sites in the North Sea. The purpose of the trawl sweeps is to determine whether or not abandoned wellhead locations have been successfully cleared of all snagging hazards/debris that could pose a concern to fishermen.

The results are shown below:

Well	Position	Result
16/12a-20	58° 38.533' N 01° 14.349' E	Clear
16/12a-5	58° 30.293' N 01° 15.856' E	Clear
16/28a-18	58° 05.053' N 01° 34.587' E	Clear



For further information: Greg Wood, SFF, Tel: +44(0)1224 646966 email: G.wood@sff.co.uk

Notice to Fishermen

First Published: 20 September 2018 | Latest Update: 20 September 2018

Fishing Hazard – Lost Vibro Corer West of Shetland



Please be advised that the Stirl Explorer managed to break away from the Vibro Corer, recovery failed and it has been left on the seabed in position

60°21.430'N 003°51.360'W

The Vibro corer is believed to have penetrated 3 metres into the seabed and is a hazard to fishing boats as its also standing a few metres off the seabed



For further information: Raymond Hall, SFF, Tel: +44 (0)1224 646944 email: r.hall@sff.co.uk

Notice to Fishermen

First Published: 20 September 2018 | Latest Update: 20 September 2018

Suspended Wellhead – 204/10a-5y



Please be advised of the following Suspended Well

Structure	Operator	Position
204/10a-5Y	Siccar Point Energy E&P Limited	60°49.083'N 004°09.351'W



For further information: Marcelle Wynter, DECC, Tel: 0300 067 1616 email: Marcelle.wynter@ogauthority.co.uk

Notice to Fishermen

First Published: 15 June 2017 | Latest Update: 06 September 2018

Abandoned Wellhead – Plugged and Abandoned

Please be advised that the abandoned wellhead below, No overtrawlability trial 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

Notice to Fishermen

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

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



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

Position: 61°01.991'N 001°07.596'E



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

Notice to Fishermen

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

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



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

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

Position: 60°56.671'N 01°33.686'E



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

Notice to Fishermen

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

Fishing Hazard – Miller Platform Decommissioned Jacket Footings



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

Position: 58°43.304'N 001°24.005'E



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

Notice to Fishermen

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

Fishing Hazard – Free-spans on Dunbar to Alwyn pipeline



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

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



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

Seabed Activity

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

Forvie, Jura & Islay Field – Diving Operations UKCS 3/15



Total Total E&P UK Ltd is undertaking various diving intervention works in the Forvie, Jura and Islay 500m subsea Safety zones. The construction vessel Seven Falcon, Call Sign: 2EEN9, will be working in-field as of October 27th, for approx. 2 weeks.

Fortie North	UKCS 3/15c	60°30.74'N 01°50.12'E
Fortie North Manifold	UKCS 3/15d	60°31.41'N 01°52.13'E
Jura	UKCS 3/15a	60°32.66'N 01°54.07'E
Islay	UKCS 3/15a	60°33.47'N 01°56.69'E



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

Glendronach Field Development – UKCS 206/1, 206/3, 206/4 & 214/30



Total E&P UK Ltd is undertaking various subsea construction works in the Edradour, Edradour PLEM, Glenlivet and Laggan 500m subsea Safety zones.

The construction vessel Normand Mermaid, Call Sign: LAXH7, will be working in-field as of October 1st, for approx. 2 weeks.

Glenlivet	UKCS 214/30a	61°04.60'N 02°05.01'W
Edradour	UKCS 206/4a	60°56.04'N 02°14.01'W
Edradour PLEM	UKCS 206/3c	60°54.66'N 02°32.26'W
Laggan	UKCS 206/1a	60°56.67'N 02°53.62'W

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



Utgard Field – Development Activity

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

The installed template is of an over-trawlable design to minimise any potential harm to fishing activities.

Drilling activities have commenced with the Deepsea Atlantic – The anchor pattern extends up to 1.4nm around the Well centre position listed below.

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

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

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



BigFoot, PiP, Verbier – Drilling Activity

Drilling activity with the 'West Phoenix' on location at the following locations and approximate dates:

Well Name	Coordinates	Estimated Start Date	Comments
BigFoot	58°19.682'N 001°21.663'E	Early December	Pre-lay moorings to be installed approximately 1 week prior to rig arrival – Guard Vessel to be utilised until rig/ERRV arrives
PiP	58°39.194'N 000°50.995'E	Mid January	Pre-lay moorings to be installed approximately 1 week prior to rig arrival – Guard Vessel to be utilised until rig/ERRV arrives
Verbier	57°56.503'N 000°06.135'W	Early March	Pre-lay moorings to be installed approximately 1 week prior to rig arrival – Guard Vessel to be utilised until rig/ERRV arrives

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



Kingfisher Field – Operations

Please be advised that the WilPhoenix mobile rig is planned to move onto the Kingfisher field 16/08a from the Puffin well 29/5a-5 around the 10th November for an expected duration of 100 days.

Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Wilphoenix	16/08a	58°46.283'N 001°29.438'E	10 th November 2018	100 Days

For further information: Rafaella Madella, Shell UK Limited, Tel: +44 1224888909 email: rafaella.madella@shell.com



Decipher Production Ltd – Orlando Field - Development



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



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

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

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

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

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

Vessel activity in the area is as follows:

Vessel	Activity	Start Date	End Date
Stornes TBC	Rock Dumping Commissioning Support	21/11/2018 TBC	28/11/2018 TBC

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

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

For further information: Steve Dempster, Petrex Developments Ltd, Tel +44 1224 452125, e-mail: sdempster@petrex.co.uk

Pelican Field Programme – Well Abandonment

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

The planned operations will consist of abandoning the reservoirs and removing the existing Xmas Trees of six wells within the subsea field. Operations will be conducted by the Paragon MSS1 semi-submersible drilling rig, with operations expected to commence on July 26th and last for six months. The rig will be anchored in a central location (61°02'00.705"N 1°07'45.057"E) and then skidded between wells as required. The Paragon MSS1 is located in the Pelican field UKCS Block 211/26a.



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

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

For further information: Peter Mayo, TAQA Bratani, Tel: 01224 275556, email: Peter.Mayo@taqaglobal.com

Lancaster Field – Development

The Lancaster Turret Mooring System (TMS) is now installed with the TMS buoy sitting 20m below the sea surface. The buoy is moored in place by 12 wire and chain mooring lines that extend up to 1290m from the TMS buoy to driven piles. The mooring system will remain in this configuration with the buoy at -20m until the FPSO arrives.



Pipeline installation works and Rockdump protection operations have been completed.

The co-ordinates for the operations are listed below:

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

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

Notice to Fishermen

First Published: 18 October 2018 | Latest Update: 18 October 2018

Abandoned Wellheads 2018



In September/October 2018 overtrawlability trials were conducted at several abandoned wellhead sites in the North Sea. The purpose of the trawl sweeps is to determine whether or not abandoned wellhead locations have been successfully cleared of all snagging hazards/debris that could pose a concern to fishermen.

The results are shown below:

Well	Position	Result
22/15-3	57° 34.664' N 01° 55.081' E	Clear
23/16a-4	57° 23.263' N 02° 00.865' E	Clear
30/01c-9	56° 50.657' N 02° 10.019' E	Foul, area should be avoided
29/08b-2Z	56° 43.660' N 01° 32.320' E	Clear
22/22b-5z	57° 12.499' N 01° 14.678' E	Clear, see below note
21/20a-5	57° 22.394' N 00° 56.007' E	Clear

NOTE: There were two snaggings at 57° 12.05'N, 001° 13.88'E during sweeps of Well 22/22b-5z, however it is believed that this was caused by firmer ground at this position, approx. 0.6 miles West of the wellhead.

For further information: Greg Wood, SFF, Tel: +44(0)1224 646966 email: G.wood@sff.co.uk

Notice to Fishermen

First Published: 04 October 2018 | Latest Update: 04 October 2018

Fishing Hazard – Abandoned Well 30/01c-9 (Kessog Well)



As part of the Ocean Trust trawl sweep of well 30/01c-9 they snagged approx. 8 metres from the well position. The snagging could be due to cracked concrete around the drill centre that will require remedial work before a clearance certificate can be issued.

Position: 56°50.655'N 002°10.022'E

For further information: Nick Strachan, BP email: nick.strachan@uk.bp.com

Seabed Activity

First Published: 04 October 2018 | Latest Update: 01 November 2018

Culzean Field Development – UKCS 22/25a

Total E&P UK Ltd is undertaking various subsea construction works in the Culzean field.

The diving support vessel Seven Pelican, Call Sign: C6RE7, will be working in-field until November 2nd to be confirmed.

Culzean FSO	UKCS 22/25a	57°11.73'N 01°57.66'E
Culzean PLEM	UKCS 22/27b	57°01.76'N 01°12.20'E
Culzean CPF Platform	UKCS 22/25a	57°11.47'N 01°54.58'E

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

Seabed Activity

First Published: 18 October 2018 | Latest Update: 18 October 2018

Janice, James and Affleck Fields – Decommissioning

Total E&P UK (formerly Maersk Oil UK Ltd) have now completed this year's activities associated with the removal of the Janice, James and Affleck subsea infrastructure in Block 30/17a of the UK Continental Shelf.

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

The Maersk Inventor CSV arrived at the Janice Field in July 2018 and completed the below work scopes throughout July, September and October:

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

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

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

Huntington Field – Water Injection Work

Premier Oil UK will commence the H2 well conversion to water injection work in October 2018 on the Huntington Field in the Central North Sea (Block 22/14b).

The work involves spool reconfiguration, flushing, spool removal and moving of existing deposits. In addition, inspection and light intervention works will be carried out at the CATS T1 Tee structure.

Vessel: Seven Atlantic Schedule: 23rd Oct – 6th November 2018

Key coordinates:

Huntington Drill Template	57°35.933'N 01°38.512'E
Huntington Production Manifold	57°35.937'N 01°38.560'E
CATS T1 Tee Structure	57°42.667'N 01°43.466'E

For further information: David Robertson, Premier Oil, Tel +44 (0) 1224 914314, drobertson@PREMIER-OIL.com



Culzean Field Development – UKCS 22/25a

Total E&P UK Ltd is undertaking various subsea construction works in the Culzean field.

The diving support vessel Seven Pelican, Call Sign: C6RE7, will be working in-field until November 2nd to be confirmed.

Culzean FSO	UKCS 22/25a	57°11.73'N 01°57.66'E
Culzean PLEM	UKCS 22/27b	57°01.76'N 01°12.20'E
Culzean CPF Platform	UKCS 22/25a	57°11.47'N 01°54.58'E

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



Puffin Well – Operations

Please be advised that the WilPhoenix mobile rig will be moved onto Puffin Well 29/5a-5 from Invergordan.

Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
WilPhoenix	29/5a-5	56°50.150'N 001°50.777'E	01/09/2018	45 – 85 Days

For further information: Jason Bassi, Shell UK Limited, email: Jason.Bassi@shell.com



Nexen Glengorm – Drilling Operations

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

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

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



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



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

Structure	Coordinates
BW Catcher FPSO	56°46.207'N 00°42.782'E
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 ERRV / Standby Vessel VOS Famous is monitoring the Catcher Area Developments 500m safety zones.

Drilling

The ENSCO 100 has completed operations at Burgman Drilling Template 2 (56°44.567'N & 00°40.623'E) and departed Field

Subsea Activity

The DSV Seven Atlantic is scheduled to commence diving operations at the Burgman Drill Centre (56°44.567'N 00°40.623'E) early November 2018 over a period of approximately 2 weeks, and will be replaced by the DSV Seven Falcon at the end of November through until December 2018. Both DSVs will have limited manoeuvrability during Diving Operations.

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

Notice to Fishermen

First Published: 06 September 2018 | Latest Update: 06 September 2018

Fishing Hazard – Wreck FV Sonja Z.19



Please note position of the Wreck FV Sonja Z.19 Least Depth 35.15m, Surround Depths 45.5m Laying 45° to Port.

Position: 52°48.410'N 002°19.570'E

For further information: Duty Officer, UKHO, Tel: +44(0)1823 353448 email: nawarnings@btconnect.com

Seabed Activity

First Published: 01 November 2018 | Latest Update: 01 November 2018

Pickerill B Platform – Decommissioning

Please be advised that decommissioning activity will be taking place on the Pickerill B platform

Platform	Vessel	Position	Start / Finish
Audrey	Energy Endeavour	53°31.496'N 001°09.640'E	30/11/2018 – 30/04/2019

For further information: Gareth MacGlennon, Perenco, Tel: +44(0)1603 771347 email: gmacglennon@uk.perenco.com

Seabed Activity

First Published: 01 November 2018 | Latest Update: 01 November 2018

Annabel – Well Abandonment

Please be aware the Paragon B391 will be moving from the Annabel to Audrey WD Platform.

Field	Well	Position	Start / Finish	Duration
Audrey	Audrey WD	53°32.424'N 002°00.948'E	26/10/2018	180 Days

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

Seabed Activity

First Published: 18 October 2018 | Latest Update: 18 October 2018

Greater Cygnus Area – Drilling Operations

Neptune E&P UK Ltd plan to move the Ensco 101 MODU to block 44/12b to commence drilling of a single exploration well on the 19th October.

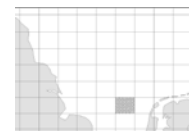
Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Ensco 101	44/12b-G	54°37.752'N 002°20.175'E	19/10/2018 19/01/2019	92 Days

For further information: David Hawkins, Neptune E&P UK Ltd, Tel: 01224 281082 email: David.hawkins@neptuneenergy.com

Thames Area – Well Abandonment

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

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



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

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

Chiswick Field – Drilling Operations

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



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

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

Fishing Hazard – Lost Tether



Please be advised that 100m of Soft Tether 30mm in diameter was lost at the position below

Position: 53°48.000'N 003°34.000'W

The Tether parted as a result of contact with a vessel thruster. When the ROV became detached the current drifted the ROV in current to the south west of the DP3 asset.



For further information: Robert Millman, Spirit Energy, Tel: +44(0)1224 411 690 email: Robert.millman@spirit-energy.com

Area 1 Rig List

Latest Update: 29 October 2018

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Rowan Viking	58°00.20'N 00°22.70'W		Songa Endurance	60°48.00'N 03°26.50'E
	Rowan Gorilla 7	58°01.70'N 01°42.90'E		Songa Equinox	60°54.90'N 03°31.20'E
	Deepsea Atlantic	58°21.80'N 02°32.90'E	New	COSL Promoter	60°55.80'N 03°39.80'E
	Maersk Integrator	58°34.30'N 01°41.80'E		Stena Don	60°55.90'N 02°14.10'W
	Maersk Intrepid	59°02.20'N 02°13.50'E		Paragon MSS1	61°02.00'N 01°07.80'E
	Deepsea Patriot	59°27.00'N 01°37.20'E		Deepsea Bergen	61°08.90'N 03°17.00'E
	Ocean Valliant	59°34.90'N 01°39.30'E		Transocean 712	61°17.60'N 01°28.30'E
	Safe Boreas	59°35.20'N 01°03.20'E	New	Leiv Eiriksson	63°55.00'N 07°18.00'E
	Noble Lloyd Noble	59°35.40'N 01°03.40'E		Scarabeo 8	64°35.80'N 06°51.30'E
	Transocean Leader	59°37.50'N 01°44.70'E		West Phoenix	64°48.50'N 06°26.90'W
	Deepsea Aberdeen	60°20.20'N 04°02.10'W		Songa Encourage	64°53.40'N 07°04.30'W
	Safe Caledonia	60°44.10'N 02°29.40'W			

Area 2 Rig List

Latest Update: 29 October 2018

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Maersk Resolute	55°06.20'N 03°50.00'E		Maersk Interceptor	57°04.30'N 03°03.80'E
New	Noble Sam Turner	55°28.10'N 05°08.10'E		Safe Scandinavia	57°06.90'N 02°51.60'E
	Maersk Guardian	55°43.40'N 04°48.00'E		Prospector 5	57°10.70'N 01°06.60'E
	Maersk Reacher	56°16.80'N 03°24.00'E		Maersk Highlander	57°11.70'N 01°54.80'E
	Ensco 120	56°43.50'N 02°12.50'E		Maersk Innovator	57°48.60'N 00°58.30'W
	Blackford Dolphin	56°50.10'N 01°42.90'E	New	Rowan Stavanger	57°48.90'N 04°32.10'E
	Wilphenix	56°50.20'N 01°50.90'E		COSL Pioneer	57°54.00'N 00°36.50'W
	Rowan Gorilla V	56°58.02'N 01°52.19'E		Paul B Loyd Jnr	57°58.20'N 00°53.70'E
New	Noble Sam Hartley	57°00.80'N 01°50.40'E			

Area 3 Rig List

Latest Update: 29 October 2018

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	GMS Endurance	52°15.00'N 03°30.50'E		Paragon B391	53°41.00'N 01°55.60'E
	Ensco 72	52°53.20'N 02°35.70'E		Seafox 1	53°42.20'N 01°09.00'E
	Seafox 4	53°04.60'N 02°11.10'E	New	Seajacks Leviathan	53°45.80'N 01°42.40'E
	590021	53°14.00'N 03°14.50'E		Paragon C20051	53°49.40'N 04°03.10'E
New	Ensco 92	53°21.40'N 02°02.40'E		Noble Hans Deul	53°56.40'N 02°44.80'E
	Ensco 122	53°36.80'N 01°31.60'E	New	Ensco 101	54°37.70'N 02°20.20'E

Area 5 Rig List

Latest Update: 29 October 2018

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
New	Irish Sea Pioneer	53°37.90'N 03°10.60'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: 01 November 2018

Ocean Valiant – Pre-Lay Leadon North 9/19a

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
		3	59°35.77'N 001°38.42'E	6	59°34.44'N 001°41.03'E
1	59°34.44'N 001°37.30'E	4	59°35.77'N 001°39.93'E	7	59°33.83'N 001°39.95'E
2	59°35.12'N 001°37.24'E	5	59°35.17'N 001°41.06'E	8	59°33.88'N 001°38.41'E

Deep Sea Atlantic – Utgard

Anchor No.	Anchor Position	Chain End	Anchor Position	Chain End
Well	58°21.967'N 001°32.934'E			
1	58°21.589'N 001°31.228'E	58°21.530'N 001°30.984'E	5	58°22.342'N 001°34.613'E
2	58°22.461'N 001°30.486'E	58°22.510'N 001°30.239'E	6	58°21.572'N 001°34.905'E
3	58°23.109'N 001°31.992'E	58°23.236'N 001°31.882'E	7	58°20.950'N 001°33.768'E
4	58°22.883'N 001°33.586'E	58°23.007'N 001°33.679'E	8	58°21.055'N 001°32.285'E

Ocean Guardian – Proposed West Wick 13/21a

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	58°17.606'N 001°50.991'W	3	58°18.392'N 001°51.341'W	6	58°17.328'N 001°49.605'W
1	58°17.347'N 001°52.386'W	4	58°18.316'N 001°50.385'W	7	58°16.819'N 001°50.462'W
2	58°17.925'N 001°52.342'W	5	58°17.864'N 001°49.595'W	8	58°16.895'N 001°51.596'W

Schiehallion Central – As-Laid

The Deepsea Aberdeen rig has returned to Schiehallion Central. The anchors are as-laid and have been connected to the rig. 1 anchor from a previous mooring at Schiehallion West has been left in-field and 1 anchor from the previous mooring at Central has been left in-field.

Anchor No.	Position
Rig	60°20.198'N 04°02.012'W
1	60°19.778'N 04°05.079'W
2	60°20.768'N 04°04.595'W
3	60°21.370'N 04°02.987'W
4	60°21.584'N 04°00.479'W
5	60°20.619'N 03°58.944'W
6	60°19.430'N 03°59.209'W
7	60°18.673'N 04°01.143'W
8	60°18.820'N 04°03.528'W

Schiehallion Central – Abandoned As-Left Anchors

Anchor No.	Position	Laydown Pennant	Chain End
3	60°21.335'N 04°03.099'W	60°21.223'N 04°02.982'W	60°21.046'N 04°02.969'W

Schiehallion West – Abandoned As-Left Anchors

Anchor No.	Position	Laydown Pennant	Chain End
4	60°21.127'N 04°00.926'W	60°21.018'N 04°05.242'W	60°20.891'N 04°05.185'W

Transocean Leader – Plantain /Agar

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	59°37.439'N 001°44.583'E	3	59°37.805'N 001°46.108'E	6	59°36.642'N 001°43.959'E
1	59°38.065'N 001°44.159'E	4	59°37.163'N 001°46.090'E	7	59°37.118'N 001°43.082'E
2	59°38.057'N 001°45.226'E	5	59°36.689'N 001°45.224'E	8	59°37.798'N 001°43.155'E

– As Laid at Kraken DC4

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

Aoka Mizu FPSO – Lancaster Field

Anchor No.	Anchor Position	Anchor Position
Rig	60°10.79'N 03°52.20'W	
1	60°10.69'N 03°50.98'W	7 60°10.31'N 03°53.19'W
2	60°10.66'N 03°50.99'W	8 60°10.34'N 03°53.24'W
3	60°10.63'N 03°51.01'W	9 60°11.37'N 03°52.62'W
4	60°10.60'N 03°51.03'W	10 60°11.38'N 03°52.56'W
5	60°10.26'N 03°53.09'W	11 60°11.39'N 03°52.50'W
6	60°10.28'N 03°53.14'W	12 60°11.40'N 03°52.44'W

Glen Lyon – FPSO



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

Area 2 Anchor List

Latest Update: 23 August 2018

Black Dolphin – Capercaillie Field

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	56°50.055'N 001°42.779'E	3	56°50.326'N 001°43.859'E	6	56°49.399'N 001°42.302'E
1	56°50.912'N 001°42.146'E	4	56°49.805'N 001°43.926'E	7	56°49.792'N 001°41.589'E
2	56°50.911'N 001°43.405'E	5	56°49.424'N 001°43.240'E	8	56°50.369'N 001°41.353'E

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

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

expected to take around 2 days from the date of the vessel arriving in location.					
Anchor No.	Anchor Position	Laydown Pennant		Anchor Position	Laydown Pennant
1	57°09.508'N 0°49.603'E	57°09.782'N 0°49.444'E	5	57°10.633'N 0°49.801'E	57°10.513'N 0°50.065'E
2	57°09.695'N 0°48.986'E	57°09.949'N 0°49.228'E	6	57°10.409'N 0°50.321'E	57°10.125'N 0°50.157'E
3	57°10.031'N 0°48.729'E	57°10.118'N 0°49.346'E	7	57°10.014'N 0°50.599'E	57°09.927'N 0°50.096'E
4	57°10.458'N 0°48.882'E	57°10.399'N 0°49.155'E	8	57°09.643'N 0°50.321'E	57°09.784'N 0°49.861'E

Culzean – Culzean FSO Anchors

Anchor No.	Anchor Position	Chain End		Anchor Position	Chain End
			7	57°11.068'N 001°58.558'E	57°11.143'N 001°58.456'E
1	57°11.723'N 001°56.154'E	57°11.723'N 001°56.325'E	8	57°11.096'N 001°58.621'E	57°11.167'N 001°58.509'E
2	57°11.681'N 001°56.149'E	57°11.685'N 001°56.321'E	9	57°12.444'N 001°58.413'E	57°12.364'N 001°58.326'E
3	57°11.636'N 001°56.153'E	57°11.647'N 001°56.323'E	10	57°12.464'N 001°58.343'E	57°12.381'N 001°58.266'E
4	57°11.594'N 001°56.167'E	57°11.611'N 001°56.336'E	11	57°12.483'N 001°58.271'E	57°12.397'N 001°58.203'E
5	57°11.021'N 001°58.423'E	57°11.103'N 001°58.341'E	12	57°12.500'N 001°58.195'E	57°12.412'N 001°58.138'E
6	57°11.039'N 001°58.495'E	57°11.117'N 001°58.404'E			

Area 1 Survey List

Latest Update: 01 November 2018

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Equinor UK Ltd		59°19.677'N 001°21.666'E	9	14/11/2018 - 30/04/2019 For 1 Day
EDT EDT Jane 5BXW3		58°17.336'N 000°12.043'E 58°15.490'N 000°12.400'E	15	03/11/2018 - 08/11/2018 For 5 Days
Gardline Limited Sea Explorer C6NG6		60°47.647'N 001°46.855'E 60°44.655'N 001°53.193'E 60°41.554'N 001°47.086'E 60°44.542'N 001°40.747'E	3	02/11/2018 - 28/02/2019 For 4 Days
Baker Hughes TBA	2m 2m	60°49.902'N 001°42.964'E 60°49.902'N 001°45.130'E 60°48.402'N 001°45.197'E 60°48.386'N 001°42.980'E	206	01/11/2018 - 31/01/2019 For 2 Days
i_TEC 7 Normand Subsea LAW17		60°16.521'N 004°27.197'W 60°17.105'N 004°27.802'W 60°18.089'N 004°23.946'W 60°17.969'N 004°23.822'W	60°19.007'N 004°19.740'W 60°18.661'N 004°19.384'W 60°17.624'N 004°23.466'W 60°17.504'N 004°23.341'W	01/11/2018 - 31/12/2018 For 9 Days
Gardline MV Kommander MCJO2	1300m 3m	58°15.059'N 001°34.999'W 58°14.368'N 001°22.476'W 58°04.508'N 001°20.411'W 58°04.656'N 001°32.583'W	204 13	19/10/2018 - 30/10/2018 For 9 Days
Gardline Survey MV Kommander MCJO2		58°39.158'N 000°50.897'E	15	04/09/2018 - 30/11/2018 For 2 Days

Gardline Survey Ltd M/V Kommander MCJO2		59°19.677'N 001°21.666'E	9	04/09/2018 - 30/11/2018 For 2 Days
Seabird Exploration Multi- Client Ltd Harrier Explorer 3EIE3 Hunter LKUA	12000m 60m	62°11.117'N 003°02.890'W 62°00.795'N 001°21.833'E 61°49.531'N 001°29.356'E 61°21.391'N 001°47.194'E 60°24.466'N 001°58.649'E 60°10.772'N 002°01.369'E 59°57.442'N 002°03.748'E 59°53.792'N 002°04.421'E 59°25.097'N 001°47.079'E 59°17.401'N 001°42.702'E 59°12.819'N 001°41.263'E 58°45.546'N 001°33.405'E 58°25.847'N 001°28.172'E 58°14.735'N 001°39.062'E 57°41.283'N 002°04.413'E 57°29.381'N 002°10.550'E 57°20.479'N 001°53.942'E	57°18.766'N 001°49.809'E 56°28.600'N 000°37.553'W 56°26.863'N 000°48.311'W 56°26.751'N 002°06.512'W 56°35.105'N 002°25.788'W 58°12.436'N 003°08.823'W 58°19.187'N 003°07.793'W 59°11.508'N 002°24.570'W 59°13.841'N 002°22.025'W 60°07.919'N 001°01.827'W 61°43.061'N 003°34.356'W 61°55.103'N 003°36.565'W 62°05.664'N 003°23.978'W 62°11.117'N 003°02.890'W 2,3,8,9,10,11,12,13,14 15,16,19,20,21,22,23,27,28 208,210,211,213,214,217	31/08/2018 - 30/11/2018 For 20 Days
TBC	2m 5m	60°54.166'N 002°18.160'W 60°56.983'N 002°13.044'W 60°56.650'N 002°12.210'W 60°53.800'N 002°17.260'W	206	15/08/2018 - 31/01/2019 For 10 Days
Axxis Geo Solutions AS Geo Caspian - LACW8 Neptune Naiad - YBUY2 Havila Fortune - C6X05 Pacific Finder - POFK	140m 10m	58°50.664'N 001°35.403'E 58°32.764'N 001°30.703'E 58°32.864'N 001°19.503'E 58°50.664'N 001°25.502'E	16	05/08/2018 - 15/11/2018 For 10 Days
Nexen Petroleum UK Limited TBC	1200m 3m	60°25.775'N 003°13.733'W 60°34.933'N 003°13.798'W 60°34.944'N 002°55.183'W 60°25.785'N 002°55.205'W	205, 206	01/07/2018 - 31/12/2018 For 4 Days
Geo xyz bvba Geo Ocean II LXHX	1300m 3m	58°14.486'N 001°32.180'W 58°14.388'N 001°24.008'W 58°10.078'N 001°24.201'W 58°10.176'N 001°32.341'W	13	18/08/2018 - 30/11/2018 For 4 Days
Fugro Fugro Venturer C6CG3	1200m 3m	60°34.984'N 002°47.011'W 60°36.573'N 002°47.365'W 60°45.864'N 002°32.027'W 60°45.825'N 002°27.932'W 60°42.219'N 002°24.514'W 60°36.132'N 002°25.962'W	206	17/06/2018 - 31/12/2018 For 6 Days
Fairfield Nodal Ocean Pearl - C6ZW4 Sanco Star - ZDIT8		58°04.564'N 001°05.249'W 57°51.563'N 000°44.902'W 57°51.907'N 001°05.921'W 58°04.218'N 000°44.106'W	13; 14; 19; 20	12/06/2018 - 31/12/2018 For 60 Days
Schlumberger TBA		61°29.653'N 001°45.383'W	208	01/05/2018 - 31/12/2018 For 0.5 Days
Gardline Geo survey Ltd Ocean Kommandor PBQW Ocean Observer GHXX	1200m 3m	59°26.867'N 001°37.738'E 59°26.610'N 001°43.004'E 59°21.252'N 001°41.990'E 59°21.509'N 001°36.738'E	9	21/03/2018 - 31/12/2018 For 2 Days

Area 2 Survey List

Latest Update: 01 November 2018

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Fugro Survey Ltd Fugro Galaxy C6YY4		56°30.434'N 02°08.542'E 56°39.310'N 02°24.154'E	30	28/07/2018 - 30/11/2018 For 1 Day
Fugro Survey Ltd Fugro Galaxy C6YY4		56°46.020'N 001°26.864'E 56°42.248'N 001°26.719'E 56°42.300'N 001°22.138'E 56°41.402'N 001°22.106'E 56°41.476'N 001°15.124'E 56°41.601'N 001°15.128'E 56°41.629'N 001°12.279'E	56°45.402'N 001°12.400'E 56°45.332'N 001°19.267'E 56°45.260'N 001°19.264'E 56°45.253'N 001°19.966'E 56°46.096'N 001°19.996'E 29	28/07/2018 - 30/11/2018 For 12 Days
Fugro Survey Ltd Fugro Galaxy C6YY4		57°10.016'N 02°15.511'E 56°43.514'N 01°42.901'E	23, 29, 30	23/07/2018 - 30/11/2018 For 5 Days
Schlumberger		56°43.463'N 002°12.379'E	30	11/10/2018 - 15/11/2018 For 1 Day
Schlumberger		57°10.605'N 001°06.972'E	22	01/10/2018 - 30/06/2019 For 2 Days
Fugro Survey Ltd MV Fugro Galaxy C6YY4	700m 3m	57°30.988'N 001°08.777'E 57°47.646'N 001°18.188'E 57°44.672'N 001°36.342'E 57°28.037'N 001°26.807'E	22	01/10/2018 - 30/11/2018 For 16 Days
Fugro Survey Ltd MV Fugro Galaxy C6YY4	700m 3m	57°30.988'N 001°08.777'E 57°47.646'N 001°18.188'E 57°44.672'N 001°36.342'E 57°28.037'N 001°26.807'E	22	01/10/2018 - 30/11/2018 For 18 Days
Fugro NV Fugro Skandi Carla C6RX4		53°47.565'N 003°34.090'W 54°03.967'N 003°43.913'W 54°04.727'N 003°42.276'W 53°52.495'N 003°26.317'W 53°53.760'N 003°38.953'W	110, 113	15/10/2018 - 01/05/2019 For 30 Days

Seabird Exploration Multi-Client Ltd Harrier Explorer 3EIE3 Hunter LKUA	8000m 15m	55°25.736'N 000°19.998'E 55°24.834'N 000°32.131'E 55°11.018'N 001°20.287'E 55°14.223'N 001°49.410'E 55°14.383'N 001°51.584'E 55°16.942'N 003°04.690'E 55°03.572'N 003°23.909'E 54°43.987'N 003°15.502'E 54°39.806'N 003°11.937'E 54°30.988'N 002°59.785'E 53°40.493'N 003°15.745'E 53°31.924'N 002°43.567'E	54°06.461'N 001°57.752'E 54°05.016'N 001°51.995'E 54°04.584'N 001°36.869'E 54°13.817'N 000°59.107'E 54°18.035'N 000°27.308'E 54°19.345'N 000°21.733'E 54°36.155'N 000°26.473'W 54°49.046'N 000°34.564'W 55°16.035'N 000°17.836'W 55°22.931'N 000°03.945'W 55°25.736'N 000°19.998'E 35,36,37,38,41,42 43,44,49	24/09/2018 - 30/11/2018 For 15 Days
Gardline Geosurvey M/V Kommander MCJO2		57°56.502'N 000°05.937'E	20	04/09/2018 - 30/11/2018 For 2 Days
Fugro Survey Ltd MV Fugro Galaxy C6YY4	1300m 3m	56°48.749'N 001°31.639'E 56°53.060'N 001°31.815'E 56°52.959'N 001°39.689'E 56°48.649'N 001°39.498'E	29	12/08/2018 - 30/11/2018 For 4 Days
Fugro Survey Ltd MV Fugro Galaxy C6YY4	1300m 3m	57°07.974'N 002°11.272'E 57°12.283'N 002°11.527'E 57°12.140'N 002°19.466'E 57°07.832'N 002°19.195'E	23	08/08/2018 - 30/11/2018 For 4 Days
Fugro Survey Ltd Fugro Venturer C6CG3		56°54.073'N 002°22.905'E 57°01.893'N 001°57.228'E	22, 23, 30	01/07/2018 - 30/11/2018 For 5 Days
Gardline Geosurvey Ltd MV Ocean Kommandor PBQW Sea Explorer C6NG6		57°19.242'N 001°37.327'E 57°17.775'N 001°42.500'E 57°14.904'N 001°39.865'E 57°11.521'N 001°45.451'E	57°09.441'N 001°47.017'E 57°07.265'N 001°37.481'E 57°15.200'N 001°33.264'E 22	21/03/2018 - 31/12/2018 For 3 Days

Area 3 Survey List

Latest Update: 01 November 2018

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Fugro Survey Limited Skandi Carla C6RX4 Fugro Valkyrie		53°08.532'N 001°39.721'E 53°04.626'N 001°55.600'E 53°00.862'N 001°32.305'E 52°58.587'N 001°50.850'E 52°58.541'N 001°36.046'E 52°53.094'N 001°25.851'E 52°51.046'N 001°29.324'E	48, 52	27/10/2018 - 31/01/2019 For 55 Days
Fugro GB Marine Ltd Fugro Synergy C6ZR3		53°51.730'N 001°12.945'E 53°51.737'N 001°13.401'E 53°51.467'N 001°13.412'E 53°51.461'N 001°12.956'E	48	07/11/2018 - 15/12/2018 For 2 Days
Fugro GB Marine Ltd Fugro Synergy C6ZR3		54°04.051'N 000°28.473'E 54°04.061'N 000°28.931'E 54°03.791'N 000°28.947'E 54°03.782'N 000°28.489'E	42	07/11/2018 - 15/12/2018 For 2 Days
Fugro GB Marine Ltd Fugro Normand Flower LAXN7		53°24.408'N 001°27.445'E	48	25/10/2018 - 31/12/2018 For 4 Days
Zenith Energy UK Ltd Sea Explorer C6NG6	1200m	53°22.679'N 001°26.373'E 53°25.393'N 001°24.373'E 53°26.479'N 001°28.506'E 53°23.763'N 001°30.502'E	48	05/11/2018 - 15/11/2018 For 6 Days
Gardline Geosurvey Ltd Fugro Venturer C6CG3	1300m 5m	53°56.685'N 001°01.353'E 53°53.763'N 001°04.454'E 53°51.879'N 000°59.330'E 53°54.806'N 000°56.237'E	47, 48	16/10/2018 - 31/12/2018 For 2/3 Weeks
Fugro Survey Limited Fugro Synergy		52°37.045'N 002°46.865'E	53	08/11/2018 - 12/12/2018 For 8 Days
Gardline Geosurvey Ltd Fugro Venturer C6CG3		53°54.248'N 001°00.593'E 54°02.388'N 000°26.357'E	42, 47, 48	16/10/2018 - 31/12/2018 For 2/3 Weeks
Fugro GB Marine Ltd Fugro Synergy C6ZR3		53°52.246'N 001°12.183'E 53°52.253'N 001°12.639'E 53°51.983'N 001°12.650'E 53°51.976'N 001°12.194'E	48	07/11/2018 - 15/12/2018 For 2 Days
Gardline Geosurvey Ltd MV Sea Explorer C6NG6 C6CG3	750m 3m	54°58.029'N 000°44.695'E 54°54.796'N 000°44.875'E 54°54.690'N 000°39.264'E 54°57.923'N 000°39.076'E		19/11/2018 - 31/12/2018 For 3 Days

Area 5 Survey List

Latest Update: 01 November 2018

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Gardline Limited MV Ocean Observer GHXX	Side Scan 400 -500m	51°14.018'N 008°15.261'W 51°07.436'N 008°15.367'W 51°07.533'N 008°34.791'W	51°12.712'N 008°34.744'W 51°12.714'N 008°30.965'W 51°14.100'N 008°30.950'W	Late October / Early November For 25 Days
Fugro G.B Marine Skandi Carla		54°03.067'N 003°41.498'W 54°03.057'N 003°43.331'W 54°04.135'N 003°43.350'W 54°04.146'N 003°41.516'W	110	01/10/2018 For 35 days
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