

The Kingfisher Bulletin

Offshore News

OIL AND GAS

20 SEPTEMBER 2018 | ISSUE 19

Shaded blocks indicate activity.

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1. Notice to Fishermen
2. Seabed Activity

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1. Notice to Fishermen
2. Seabed Activity

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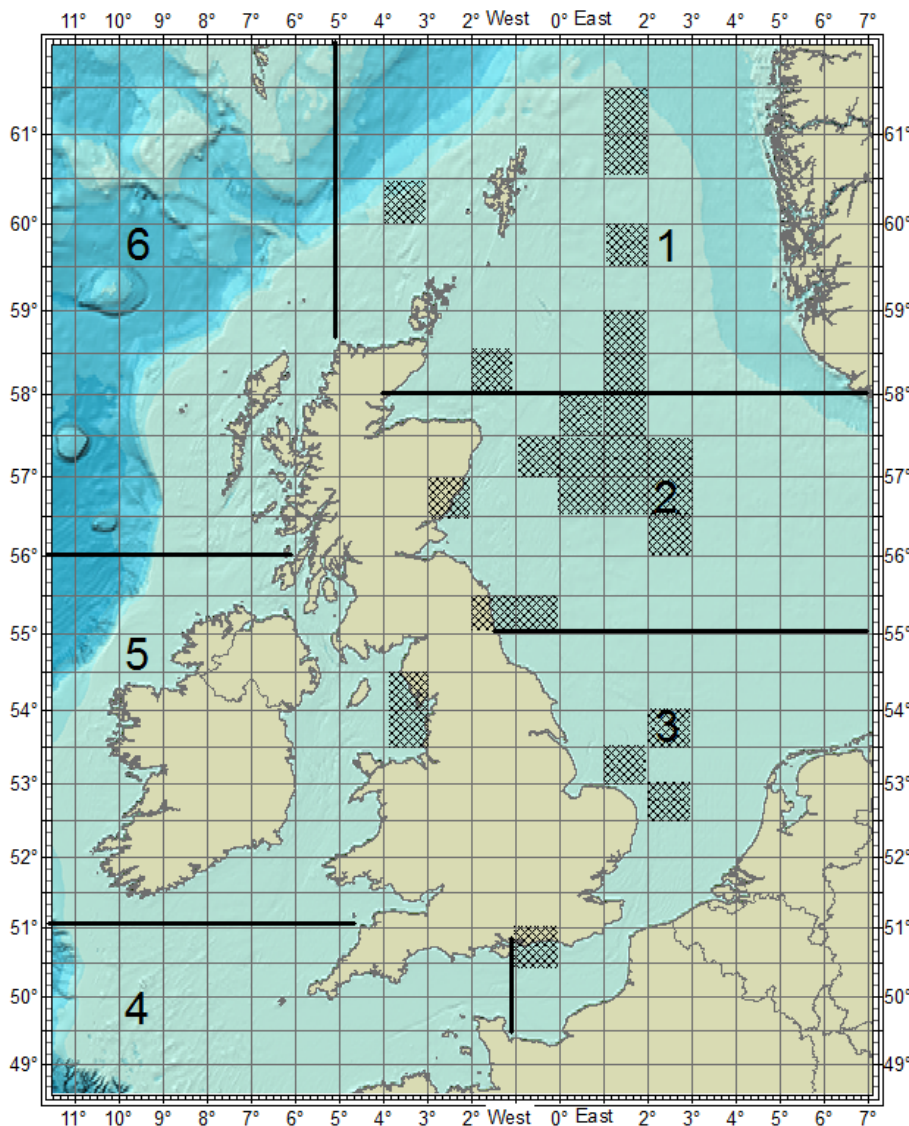
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STAY UPTO DATE - ALWAYS ENSURE YOU HAVE THE LATEST KINGFISHER BULLETIN AND OFFSHORE FISHING PLOTTER DATA ON-BOARD.

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	
Murchison Wellhead Protection Structure 7.5m x 7.5m x 7.5m Well 211/19-2	61°23.382'N 01°44.050'E	03 May 2018	Carolyn Toshney Carolyn.Toshney@cnrl.com	
Significant free-spans have been identified along the PL1043 Dunbar to Alwyn pipeline	60°38.646'N 01°39.193'E 60°38.713'N 01°39.207'E 60°39.017'N 01°39.267'E 60°39.033'N 01°39.271'E	31 May 2018	David Colliard, email: david.colliard@total.com	
New suspended wellhead on seabed (211/23b-11)	60° 38.713' N 1° 39.207' E	15 May 2018	Fairfield Energy, Tel: +44 (0)1224 320708	
Removal of protective structure for wellhead 211/19-2 (8m x 8m x 7m)	60° 39.017' N 1° 39.267' E	03 May 2018	CNR International Ltd, Tel: +44 1224 303600	



Area 2 Hazard List

Hazard Type	Position	Issue Date	Contact Details	Map
Sunken buoy with heavy weight and anchor	57°00.668'N 000°05.671'W	31 May 2018	Raymond Hall, Tel: 01224 646944 email: R.Hall@sff.co.uk	

Area 3 Hazard List

Hazard Type	Position	Issue Date	Contact Details	Map
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: navwarnings@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	
Significant Pipeline Span on PL21 from Hewett to Bacton (37m long and 1m high)	53°01.482'N 001°43.673'E	15 May 2018	ENI, Tel: 020 7344 6342	

Area 5 Hazard List

Hazard Type	Position	Issue Date	Contact Details	Map
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	
Anchor Warrenpoint Channel	54°04.899'N 006°13.472'W	23 Aug 2018	Capt. Catriona Dowling, Tel: +44 (0)28 4177 3381 email: CDowling@warrenpointharbour.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

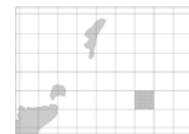
First Published: 19 April 2018 | Latest Update: 19 July 2018

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: 11 January 2018 | Latest Update: 11 January 2018

Fishing Hazard – Laggan / Tormore Pipelines – Orka Voe



One 8in pipeline and one 6in umbilical from Laggan and Tormore fields are currently exposed in the nearshore section close to landfall. The exposed sections are in the following area:

60° 29.319' N 1° 15.213' W
 60° 29.304' N 1° 15.108' W
 60° 28.993' N 1° 15.281' W
 60° 29.007' N 1° 15.386' W

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

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



Notice to Fishermen

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

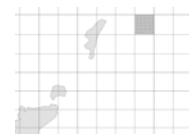
Fishing Hazard – Free-spans on Dunbar to Alwyn pipeline



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

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

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



Notice to Fishermen

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

Fishing Hazard – Murchison Wellhead Protection Structure



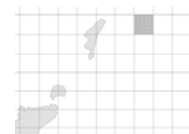
Removal of protective structure for wellhead 211/19-2 and wet storage on the seabed.

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

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

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

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

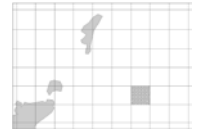


Seabed Activity

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

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 at the beginning of October for an expected duration of 100 days. There exists a small possibility of the move happening earlier during the last week of September if operations on Puffin are to be suspended.



Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Wilphoenix	16/08a	58°46.283'N 001°29.438'E	End Sept Beginning Oct	100 Days

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

Seabed Activity

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

Beryl Field – Flowline Jumper Installation

Apache North Sea are planning to conduct the installation of production and gas lift flowlines in the Beryl Field.

Production Jumper PL1194 to be installed at base of Beryl Alpha Platform Riser to Buckland RAT Towhead. Production Jumper to be installed between Garten Tree and Buckland Intermediate Towhead. Gas Lift Spools to be installed between Garten Tree and Subsea Tree S33. Controls Jumpers to be installed between Garten Tree and Buckland Intermediate Towhead. Pipeline flushing from Buckland North Drill Centre.



Grout bagging and mattress protection works to above flowlines.

The earliest start date for operations to commence is 23rd September. The operations are expected to last for four weeks.

The operations will be undertaken from the following vessel: Seven Atlantic DSV

	Coordinates
Beryl Alpha Platform	59°32.659'N 01°32.051'E
Buckland RAT Towhead	59°32.639'N 01°32.080'E
Garten Tree	59°29.421'N 01°33.322'E
S33 Tree	59°29.389'N 01°33.345'E
Buckland Intermediate Towhead	59°29.395'N 01°33.439'E
Buckland North Drill Centre	59°27.484'N 01°34.347'E

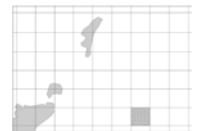
For further information: *Patrick Duggan, Apache North Sea, Tel: +44 1224 505479 email: patrick.duggan@apachecorp.com*

Seabed Activity

First Published: 15 May 2018 | Latest Update: 20 September 2018

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*

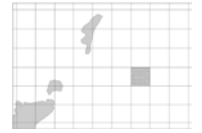
Seabed Activity

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

Gryphon FPSO – Diving Operations

Please be advised that the Bibby Polaris (call sign MYKR6) is engaged in various diving activities until September 30th.

59°21.623'N 001°34.076'E



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

Seabed Activity

First Published: 09 July 2018 | Latest Update: 20 August 2018

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 are being undertaken by the Normand Vision and the Deep Explorer in the Lancaster field. The work will extend from the manifold location to the TMS Buoy (future Aoka Mizu FPSO location). The earliest start date for pipeline installation operations to commence is 22nd July and the operations are expected to last approximately two months.

The manifold will be installed near the Lancaster 205/21a-6 and 205/21a-7z wells, 2 x flexible flowlines c/w risers and 1 x static dynamic umbilical will be laid from the manifold location to the TMS buoy. These lines will be connected to the submerged TMS buoy in preparation for the FPSO arrival. Well Jumpers will be installed and connected between the manifold and the already installed xmas trees. Rockdump protection of the flowlines will commence on completion of the installation works. The rock dumping activities are estimated to be carried out between 25th September and 31st October 2018.

The installation operations will be undertaken from the following vessels:
Normand Vision, Deep Explorer, Rockdumping vessel TBC

The co-ordinates for the proposed 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

Seabed Activity

First Published: 28 June 2018 | Latest Update: 27 August 2018

Captain Field – Drilling Operations

Chevron Upstream Europe as operator of the Captain Field are currently in the final stages of the drilling program for the Captain B34 off template well.

Onshore construction of the pressure containing components is now complete in preparation for the offshore construction activities which are estimated around the 20th September. The offshore installation and commissioning campaign is estimated to take around 7 days with start-up operations soon after. The installation vessel will be the Seven Kestrel DSV.



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

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

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

Azinor Plantain / Agar – Drilling Operations

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

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

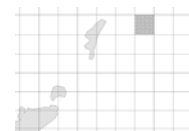


For further information: John Campbell, Anatec Limited, Tel: +44 1224 253700 email: aberdeen@anatec.com

Decipher Production Ltd – Orlando Field - Development



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



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

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

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

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

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

Vessel activity in the area is as follows:

Vessel	Activity	Start Date	End Date
Normand Vision	Umbilical Installation	09/09/2018	25/09/2018
Normand Pioneer	Umbilical Backfilling	23/09/2018	30/09/2018
Nordnes	Rock Dumping	23/09/2018	30/09/2018
Deep Explorer	Diving - Tie-ins etc	01/10/2018	16/10/2018

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

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

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

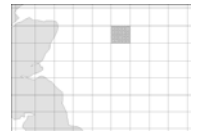
Notice to Fishermen

First Published: 12 July 2018 | Latest Update: 18 September 2018

Fishing Hazard – Freespans Lomond to CATS Riser Platform Pipeline



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



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

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

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

Notice to Fishermen

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

Fishing Hazard – Sunken Buoy with heavy Weight and Anchor



Sunken buoy with heavy weight and anchor – this has been snagged and dropped to the seabed (with the skipper having to cut half his net away)



Position: 57°00.668'N 000°05.671'W

For further information: Raymond Hall, SFF, Tel: 01224 646944 email: R.Hall@sff.co.uk

Seabed Activity

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

Puffin Well – Operations

Please be advised that the WilPhoenix mobile rig will be on 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

Seabed Activity

First Published: 12 July 2018 | Latest Update: 18 September 2018

Lomond – Diving and Pipeline Activities

The following vessels will be carrying out diving and construction activities on Chrysaor's 8-inch condensate pipeline which runs from the Lomond Platform to the CATS Riser Platform in UKCS Blocks 23/11a, 26/16b, 23/16d and 23/21a :



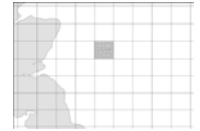
- Simon Stevin (call sign LXUB) is currently in the field carrying out rock placement activities until 21st September approximately
- Seven Eagle (call sign ELUB4) is currently in the field carrying out spoolpiece installation and tie-in activities until 21st September approximately.

The locations where the work is taking place are between 57° 17.224'N, 2° 10.803'E and 57° 30.146'N, 2° 2.680'E.

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

Catcher Area – Development Project

Subsea construction activities on behalf of Premier Oil UK Limited on the Catcher Area Development (including the Catcher, Burgman and Varadero fields) located in block 28/9a of the UKCS 56°46.200'N 00°42.783'E



The FPSO BW Catcher is now in position (turret centre 56°46.207'N and 00°42.765'E). The ERRV / Standby Vessel VOS Famous is monitoring the Catcher Area developments 500m safety zones

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

Structure	Coordinates
Catcher Drill Centre	56°46.298'N 00°46.277'E
Varadero Drill Centre	56°48.356'N 00°42.300'E
Burgman Drill Centre	56°44.567'N 00°40.623'E

Drilling

The ENSCO 100 drilling rig is currently located at the Burgman Drilling Template 2 (56°44.567'N & 00°40.623'E) through to early October 2018, when the Rig will be demobilising.

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 6 weeks, finishing approx. mid December 2018.

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

Nelson Field – Flexibles, Umbilicals & Structure Installations**Global Symphony (Global Offshore) – Infield 18/07/18 – Depart Field 25/07/18**

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

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

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

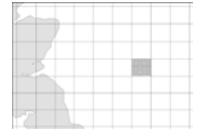
The Vessels will be working the following locations within the Nelson Field:

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

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

Janice, James and Affleck Fields – Decommissioning

Maersk Oil UK Ltd have commenced decommissioning activities associated with the removal of the Janice 'A' FPU in Block 30/17a of the UK Continental Shelf.



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

2018 Decommissioning works at Janice, James and Affleck will take place in July and August, with the Maersk Inventor CSV arriving in field to complete the below workscope:

- Pile Cutting at Janice Oil Export SSV;
- Recovery of Janice Oil Export SSV;
- Cutting & Recovery of ~120m of Janice Oil Export Pipeline/Spools;
- Recovery of 4x Mid-Water Arch Clumpweight Ballast Blocks;
- Recovery of 2x Mid-Water Arch Clumpweight Base Frames;
- Recovery of 1x Water Injection Manifold;
- Debris Clearance @ Janice, James & Affleck (mattress recovery etc.).

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

Facility / Installation	Block	Coordinates	Activity	Schedule
Janice 'A' FPU	30/17a	56°23.876'N 02°15.004'E	Pile Cutting & Oil Export SSV Recovery	June - Sept 2018
Janice Drill Centre (500m zone)	30/17a	56°23.706'N 02°15.316'E	Janice WI Manifold Recovery	June - Sept 2018
Janice 'A' FPU Site	30/17a	56°23.876'N 02°15.004'E	Debris Clearance	June - Sept 2018
Janice Drill Centre (500m zone)	30/17a	56°23.706'N 02°15.316'E	Debris Clearance	June - Sept 2018
Janice Drill Centre (500m zone)	30/17a	56°23.706'N 02°15.316'E	MWA Clumpweight Recovery	June - Sept 2018
James Drill Centre (500m Zone)	30/17a	56°21.485'N 02°18.835'E	Debris Clearance	June - Sept 2018
Affleck Drill Centre (500m Zone)	30/19a	56°26.552'N 02°42.077'E	Debris Clearance	June - Sept 2018

A summary of the upcoming activities is as follows:

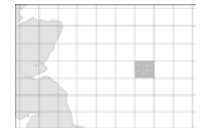
For further information: Steph Kiltie, PDI Ltd, Tel +44(0)1224 562193 email steph.kiltie@pdi-ltd.com

Deployment of Buoys

First Published: 23 August 2018 | Latest Update: 23 August 2018

North Sea Central & Southern – Wave Glider Buoy

A Wave Glider for oceanographic research will be operating in UK waters in the Central and Southern North Sea between the UK coast and the UK/Netherlands border.



The instrument (ca. 3m long x 0.6m wide) travels slowly on the surface under wave power. It is fitted with an orange flag, all-round white light and Radar Target Enhancer.

If discovered before 15th October 2018, please leave in the water.

Approx North extent 56°40.000'N Approx South Extent 52°25.000'N mainly Centred around : 56°12.000'N 002°00.000'E

For further information: Cefas Lowestoft Lab, Tel: +44(0)1502 562244

Deployment of Buoys

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

Cromarty Firth Scotland – Passive Acoustic Monitoring Buoy

Mariners are advised that, further to notice UoA/08/2018, the University of Aberdeen has deployed a hydrophone equipped passive acoustic monitoring (PAM) buoy as noted below



57°41.403'N 004°00.356'W

The buoy supports a hydrophone and radio link to shore to provide real-time monitoring of dolphin populations in the vicinity

For further information: Tim Candido Barton, University of Aberdeen, Tel: +44 (0)1381 600548 email: t.r.barton@abdn.ac.uk

Moray Firth, Cromarty Firth, Inverness Firth – Moorings

Mariners are advised that, further to notice UoA/07/2018, the University of Aberdeen has removed the moorings listed in table 1. Additionally, the University has serviced the moorings listed in table 2, and reinstalled them in their current locations. Moorings listed in table 3 are still to be serviced; these works will take place in late September or early October.



Table 1. Moorings removed.

Name	Coordinates (WGS84 datum)		Characteristics
117	57° 41.155' N	003° 59.883' W	Subsurface.
125	57° 40.866' N	003° 59.667' W	Subsurface.
126	57° 40.925' N	004° 00.391' W	Subsurface.
136	57° 35.479' N	004° 04.264' W	Subsurface.
141	57° 41.430' N	004° 00.146' W	Subsurface.
204	57° 34.551' N	004° 04.905' W	Subsurface.
206	57° 34.081' N	004° 03.672' W	Subsurface.
207	57° 33.903' N	004° 05.034' W	Subsurface.
210	57° 30.657' N	004° 13.030' W	Subsurface.
211	57° 30.339' N	004° 12.102' W	Subsurface.
212	57° 30.125' N	004° 13.389' W	Subsurface.
213	57° 29.873' N	004° 14.884' W	Subsurface.
214	57° 29.816' N	004° 16.191' W	Subsurface.
215	57° 41.078' N	003° 59.172' W	Subsurface.

Table 2. Moorings serviced and returned to their existing location.

Name	Coordinates (WGS84 datum)		Characteristics
1	57° 41.421' N	003° 58.951' W	Surface marked (NB50 buoy, red)
2	57° 35.118' N	004° 05.875' W	Surface marked (NB50 buoy, red)

Table 3. Moorings in situ and still to be serviced.

Name	Coordinates (WGS84 datum)		Characteristics
3	57° 44.073' N	003° 19.776' W	Surface marked (dhan, 12' aluminium & RADAR reflector)
4	57° 41.357' N	003° 05.547' W	Surface marked (NB50 buoy, red)

The moorings support sound recording equipment, and acoustic loggers that record echolocation clicks of dolphins and porpoises

For further information: Tim Candido Barton, University of Aberdeen, Tel: +44 (0)1381 600548 email: t.r.barton@abdn.ac.uk

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: navwarnings@btconnect.com

Notice to Fishermen

First Published: 15 May 2018 | Latest Update: 15 May 2018

Fishing Hazard – Pipeline Span on Hewett to Bacton (PL21)



Significant Pipeline Span on PL21 from Hewett to Bacton.

Size: Approx 37 metres long and 1 metre high.

Position: 53°01.482'N 001°43.673'E

For further information: John Entwistle Tel: 020 7344 6342 John.Entwistle@eni.com

Notice to Fishermen

First Published: 11 January 2018 | Latest Update: 19 April 2018

Fishing Hazard – Pipeline Span Hewett Field PL1173



Please note that the stabilisation undertaken in January involved the placement of concrete mattresses which reduced the span lengths to below 10m length.

53°06.662'N 001°44.180'E to 53°06.654'N 001°44.198'E
53°06.668'N 001°44.165'E to 53°06.647'N 001°44.213'EFor further information: John Entwistle Tel: 020 7344 6342 John.Entwistle@eni.com

Seabed Activity

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

Annabel – Well Abandonment

Please be aware the Paragon B391 will be moving from the Alison 4z well location to the Annabel location. The rig will be undertaking well abandonment activities and will be at that location for approximately 65 days.

Field	Well	Position	Start / Finish	Duration
Annabel	48/10	53°40.898'N 001°55.419'E	09/08/2018	65 Days

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

Seabed Activity

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

Wren Field – Well Abandonment

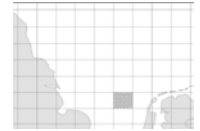
Please be aware that Petrofac Facilities Management Limited (PFML) will be commencing well abandonment operations in the Thames Area of the Southern North Sea on 15th September 2018 for an estimated duration of 25 days at the below subsea well location, utilising the ENSCO 72 mobile offshore drilling unit.

Field	Well	Position	Start / Finish	Duration
Wren	53/3c-6	52°53.168'N 002°35.606'E	15/09/2018	25 Days

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

EDT Jane ST-1 – Subsea Decommissioning

Spirit Energy will be mobilising the EDT Jane ROVSV on the 10th September from Great Yarmouth. The work is expected to have been completed before 7th October.



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

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

No diving is associated with this scope.

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

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

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

Clipper – Pipeline Construction Works

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

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



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

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

Notice to Fishermen

First Published: 23 August 2018 | Latest Update: 23 August 2018

Fishing Hazard – Warrenpoint Harbour



Mariners should be advised the a multibeam survey carried out in Warrenpoint Harbour and approach channel has located a ship's anchor of approximately 1.3 m long with a rope protruding from it. The anchor as shown above is at a depth of 3.5m and located on the seabed in the approach channel.



The object was found on the slope of the main channel in position: 54°04.899'N 006°13.472'W

For further information: Capt. Catriona Dowling, Harbour Master, Tel: +44 (0)28 4177 3381 email: CDowling@warrenpointharbour.co.uk

Seabed Activity

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

Pipeline Spans – Liverpool Bay



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



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

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

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

Area 1 Rig List

Latest Update: 17 September 2018

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Rowan Viking	58°00.20'N 00°22.70'W		Transocean Leader	59°37.50'N 01°44.70'E
	Rowan Gorilla 7	58°01.70'N 01°42.90'E		Deepsea Aberdeen	60°20.20'N 04°02.10'W
New	Ocean Guardian	58°17.60'N 01°50.90'W		Safe Caledonia	60°44.10'N 02°29.40'W
	Maersk Integrator	58°34.30'N 01°41.80'E	New	Songa Endurance	60°48.50'N 03°26.50'E
New	Deepsea Atlantic	58°46.00'N 02°39.10'E		Songa Equinox	60°49.80'N 03°34.30'E
	Maersk Intrepid	59°02.20'N 02°13.50'E		Stena Don	60°55.90'N 02°14.10'W
	Ocean Valliant	59°20.40'N 01°37.50'E		COSL Promoter	60°56.60'N 03°34.50'E
	Ocean Patriot	59°29.50'N 01°33.40'E		Paragon MSS1	61°02.00'N 01°07.80'E
New	Deepsea Stavanger	59°30.60'N 02°04.40'E		Deepsea Bergen	61°08.90'N 03°17.00'E
	Safe Boreas	59°35.20'N 01°03.20'E		Transocean 712	61°17.60'N 01°28.30'E
	Noble Lloyd Noble	59°35.40'N 01°03.40'E		Scarabeo 8	64°35.80'N 06°51.30'E

Area 2 Rig List

Latest Update: 17 September 2018

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Maersk Resilient	55°32.20'N 05°01.90'E		Maersk Interceptor	57°04.30'N 03°03.80'E
	Maersk Guardian	55°42.90'N 04°44.90'E		Safe Scandinavia	57°06.90'N 02°51.60'E
	Noble Sam Turner	55°48.20'N 04°33.60'E		Prospector 5	57°10.70'N 01°06.60'E
	Maersk Resolve	55°52.80'N 04°13.90'E		Maersk Highlander	57°11.70'N 01°54.80'E
	EnSCO 120	56°43.50'N 02°12.50'E		EnSCO 101	57°24.30'N 01°35.90'E
	EnSCO 100	56°44.60'N 00°40.70'E		Maersk Innovator	57°48.60'N 00°58.30'W
	Blackford Dolphin	56°50.10'N 01°42.90'E		COSL Pioneer	57°54.00'N 00°36.50'W
New	Wilphoenix	56°50.20'N 01°50.90'E		Paul B Loyd Jnr	57°58.20'N 00°53.70'E
	Rowan Gorilla V	56°58.02'N 01°52.19'E			

Area 3 Rig List

Latest Update: 17 September 2018

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
New	GMS Endurance	52°15.00'N 03°30.50'E		EnSCO 122	53°36.80'N 01°31.60'E
	Maersk Resolute	52°15.80'N 03°51.20'E	New	Paragon B391	53°40.90'N 01°55.50'E
	Seafox 4	53°04.60'N 02°11.10'E		Seafox 1	53°42.20'N 01°09.00'E
	EnSCO 72	53°06.00'N 02°28.70'E		Noble Hans Deul	53°56.40'N 02°44.80'E
	590021	53°14.00'N 03°14.50'E		Paragon C20051	54°06.80'N 00°27.60'E
	Seajacks Leviathan	53°14.80'N 02°01.40'E		EnSCO 92	54°12.20'N 02°27.10'E

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: 17 September 2018

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

Ocean Valiant – Pre-Lay Ballindalloch 9/19a

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	59°20.414'N 001°37.393'E	5	59°20.59'N 001°39.37'E	10	59°21.49'N 001°37.16'E
1	59°20.26'N 001°35.27'E	6	59°20.31'N 001°39.42'E	11	59°20.00'N 001°39.22'E
2	59°20.55'N 001°35.27'E	7	59°19.38'N 001°37.18'E	12	59°19.41'N 001°37.89'E
3	59°21.51'N 001°37.70'E	8	59°19.48'N 001°36.53'E		
4	59°21.43'N 001°38.17'E	9	59°20.78'N 001°35.39'E		

Ocean Valiant – Pre-Lay Leadon North 9/19a – soon to be installed

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

Transocean Leader – Plantain /Agar

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

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

Glen Lyon – FPSO



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

Area 2

Anchor List

Latest Update: 23 August 2018

Blackford Dolphin – Capercaillie Field

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

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

Anchors

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

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

Culzean – Culzean FSO Anchors

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

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
MMT (UK) Limited Stril Explorer LAZT7		60°50.117'N 004°07.114'W 60°16.936'N 003°48.352'W	204, 205	20/07/2018 - 30/09/2018 For 14 Days
MMT (UK) Limited Stril Explorer LAZT7		60°51.914'N 004°13.368'W 60°51.999'N 004°03.428'W 60°48.228'N 004°03.303'W 60°48.144'N 004°13.224'W	204, 205	20/07/2018 - 30/09/2018 For 14 Days
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	13	21/09/2018 - 30/10/2018 For 9 Days
Hurricane Energy Plc TBC	1200m 4m	60°10.616'N 004°15.275'W 60°10.711'N 004°04.462'W 60°12.327'N 004°04.514'W 60°12.435'N 003°49.362'W 60°04.570'N 003°49.166'W 60°04.368'N 004°15.037'W	204, 105	20/09/2018 - 31/10/2018 For 14 Days
Gardline Limited MV Ocean Reliance HP6391		59°20.576'N 001°24.899'E 59°21.410'N 001°33.885'E 59°16.507'N 001°35.622'E 59°15.675'N 001°26.657'E	9	15/09/2018 - 31/10/2018 For 15 Days
Fugro GB (North) Marine Limited Skandi Olympia C6XY8		58°11.525'N 000°06.504'E 55°11.480'N 000°06.642'E 58°11.427'N 000°06.572'E 58°11.465'N 000°06.441'E 58°11.559'N 000°06.645'E 58°11.563'N 000°06.779'E 58°11.475'N 000°06.787'E 58°11.375'N 000°06.652'E 58°11.506'N 000°06.592'E 58°11.515'N 000°06.633'E 58°11.384'N 000°06.732'E 58°11.375'N 000°06.691'E	15	14/09/2018 - 30/09/2018 For 3 Days
Gardline Survey M/V 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	31/08/2018 - 30/11/2018 For 20 Days
Gardline Survey Ltd Ocean Reliance HP6391	1400m 3m	59°55.117'N 002°09.034'E 59°49.984'N 002°05.867'E 59°56.428'N 002°00.758'E 59°51.261'N 001°57.595'E	10	25/08/2018 - 31/10/2018 For 14 Days
TBC	2m 5m	60°54.166'N 002°18.160'W 60°56.983'N 002°13.044'W 60°56.650'N 002°12.210'W 60°53.800'N 002°17.260'W	206	15/08/2018 - 31/01/2019 For 10 Days
CGG Services S.A Oceanic Vega LCHQ3 Geo Caribbean LADV8	8100m 12m	61°44.688'N 001°01.932'W 61°19.254'N 000°12.106'W 60°30.438'N 002°02.603'W 60°54.677'N 002°50.383'W	206, 207, 208, 209, 214	14/08/2018 - 31/10/2018 For 53 Days
MG3 Survey (UK) Ltd MV Poseidon TFJC	1200m 2m	58°05.730'N 001°42.971'E 58°02.622'N 001°37.333'E 58°05.605'N 001°31.460'E 58°08.717'N 001°37.097'E	16	10/08/2018 - 15/10/2018 For 7 Days
Axxis Geo Solutions AS Geo Caspian LACW8 Neptune Naiad YBUY2 Havila Fortune C6X05 Pacific Finder POFK	140m 10m	58°50.664'N 001°35.403'E 58°32.764'N 001°30.703'E 58°32.864'N 001°19.503'E 58°50.664'N 001°25.502'E	16	05/08/2018 - 15/11/2018 For 10 Days
Polarcus Polarcus Alima C6XK4 Nordic Explorer C6TU3	8100m	60°51.416'N 002°58.670'W 61°46.345'N 000°55.411'E 61°26.059'N 000°11.961'W 60°26.023'N 002°04.468'W	206, 207, 208, 209, 214	01/08/2018 - 15/10/2018 For 60 Days
Fugro Fugro Venturer C6CG3		60°16.582'N 004°27.157'W 60°17.085'N 004°27.678'W 60°18.884'N 004°20.614'W 60°18.381'N 004°20.095'W	204	22/07/2018 - 30/09/2018 For 3 Days
DeepOcean Eda Flora - LAJW3 MV Fugro Synergy C6XR3		59°54.516'N 001°59.911'E 59°54.547'N 002°04.582'E 59°51.091'N 002°04.678'E 59°51.057'N 002°00.018'E	10	20/07/2018 - 31/10/2018 For 5 Days

Fraser Well Management Ltd		58°18.540'N 003°12.096'W 58°17.240'N 003°09.614'W 58°15.574'N 003°12.759'W 58°16.873'N 003°15.241'W	98	09/07/2018 - 30/09/2018 For 3 Days
Nexen Petroleum UK Limited TBC	1200m 3m	60°25.775'N 003°13.733'W 60°34.933'N 003°13.798'W 60°34.944'N 002°55.183'W 60°25.785'N 002°55.205'W	205, 206	01/07/2018 - 31/12/2018 For 4 Days
Polarcus Polarcus Alima C6XK4	8100m	62°32.419'N 000°32.816'W 61°18.117'N 002°27.134'W 61°18.405'N 003°32.036'W 62°32.925'N 001°47.243'W	208, 213, 214, 216, 217	01/07/18 - 30/09/18 For 40 days
PGS Exploration (UK) Ltd Sanco Swift ZDKY8	8050m 25m	58°37.662'N 001°35.230'W 58°37.229'N 000°57.453'W 58°29.785'N 000°56.162'W 58°21.945'N 000°54.777'W 58°22.577'N 002°41.718'W	58°25.107'N 002°40.465'W 58°31.003'N 002°40.353'W 58°32.096'N 002°38.030'W 58°34.557'N 002°32.488'W 58°37.964'N 002°32.032'W 58°37.662'N 001°35.230'W	19/06/18 - 31/10/18 For 39 days
Geo xyz bvba Geo Ocean II LXHX	1300m 3m	58°14.486'N 001°32.180'W 58°14.388'N 001°24.008'W 58°10.078'N 001°24.201'W 58°10.176'N 001°32.341'W	12; 13; 14	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
PGS Exploration (UK) Ltd Sanco Swift ZDKY8		58°32.916'N 000°41.580'E 58°33.169'N 001°05.415'E 57°40.649'N 000°44.040'E 57°40.897'N 000°26.214'E 57°31.938'N 000°22.290'E	57°31.984'N 001°01.209'W 58°32.939'N 000°36.390'W 58°32.968'N 000°23.598'W 58°38.976'N 000°21.037'W 58°39.644'N 000°44.314'E	15/04/2018 - 31/10/2018 For 152 Days
CGG Services S.A Oceanic Vega LCHQ3	8000m 18m	60°55.944'N 000°54.803'E 60°56.716'N 002°03.420'E 60°23.225'N 002°09.819'E 60°22.435'N 000°56.952'E	2, 3	01/04/2018 - 30/09/2018 For 30 Days
Gardline Geo survey Ltd Ocean Kommandor PBQW Ocean Observer GHXX	1200m 3m	59°26.867'N 001°37.738'E 59°26.610'N 001°43.004'E 59°21.252'N 001°41.990'E 59°21.509'N 001°36.738'E	9	21/03/2018 - 31/12/2018 For 2 Days

Area 2 Survey List

Latest Update: 06 September 2018

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Fugro Survey Ltd Fugro Galaxy C6YY4		56°30.434'N 02°08.542'E 56°39.310'N 02°24.154'E	30	28/07/2018 - 30/11/2018 For 1 Day
Fugro Survey Ltd Fugro Galaxy C6YY4		56°46.020'N 001°26.864'E 56°42.248'N 001°26.719'E 56°42.300'N 001°22.138'E 56°41.402'N 001°22.106'E 56°41.476'N 001°15.124'E 56°41.601'N 001°15.128'E	56°41.629'N 001°12.279'E 56°45.402'N 001°12.400'E 56°45.332'N 001°19.267'E 56°45.260'N 001°19.264'E 56°45.253'N 001°19.966'E 56°46.096'N 001°19.996'E	28/07/2018 - 30/11/2018 For 12 Days
Fugro Survey Ltd Fugro Galaxy C6YY4		57°10.016'N 02°15.511'E 56°43.514'N 01°42.901'E	23, 29, 30	23/07/2018 - 30/11/2018 For 5 Days
MG3 Survey(UK) Ltd MV Poseidon TFJC	1200m 5m	57°59.628'N 001°44.719'E 58°00.987'N 001°53.845'E 57°55.255'N 001°56.838'E 57°53.907'N 001°47.698'E	16, 22	20/07/2018 - 26/09/2018 For 21 Days
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	25/09/2018 - 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	24/09/2018 - 30/11/2018 For 15 Days
Maersk Supply Services Maersk Winner MAKE8		57°54.330'N 000°01.978'W 57°59.907'N 000°07.653'W 57°54.320'N 000°00.599'W 57°53.574'N 000°00.796'W 57°43.740'N 000°50.781'E	21, 20	21/09/2018 For 16 Days
PGS Ramform Atlas C6AX2 Thor Freyja C6B16		57°25.475'N 002°16.174'E 57°27.092'N 002°22.061'E 57°04.483'N 002°42.680'E 56°59.326'N 002°25.298'E 57°29.544'N 002°10.354'E 57°30.015'N 002°11.949'E	22,23,30	20/09/2018 - 31/10/2018
Gardline Geosurvey MV Kommandor MCJ02		57°56.502'N 000°05.937'E	20	04/09/2018 - 30/11/2018 For 2 Days
Gardline Limited Ocean Reliance HP6391 Kommandor MCJ02	1200m 5m	57°58.203'N 001°49.113'E 57°58.231'N 001°52.155'E 57°56.614'N 001°52.206'E 57°56.614'N 001°52.206'E 57°56.587'N 001°50.411'E	22	01/09/2018 - 30/09/2018 For 7 Days
PGS Exploration (UK) Limited Ramform Atlas C6AX2	8100m 25m	57°30.178'N 002°05.985'E 57°28.672'N 002°07.408'E 57°29.544'N 002°10.354'E 56°59.326'N 002°25.298'E 56°55.457'N 002°12.398'E 56°58.827'N 002°09.283'E	57°21.786'N 001°47.777'E 57°27.464'N 001°42.378'E 57°29.988'N 001°50.825'E 57°31.984'N 001°57.539'E 57°33.541'N 002°02.800'E	15/08/2018 - 31/10/2018 For 33 Days
Fugro Survey Ltd MV Fugro Galaxy C6YY4	1300m 3m	56°48.749'N 001°31.639'E 56°53.060'N 001°31.815'E 56°52.959'N 001°39.689'E 56°48.649'N 001°39.498'E	29	12/08/2018 - 30/11/2018 For 4 Days
Fugro Survey Ltd MV Fugro Galaxy C6YY4	1300m 3m	57°07.974'N 002°11.272'E 57°12.283'N 002°11.527'E 57°12.140'N 002°19.466'E 57°07.832'N 002°19.195'E	23	08/08/2018 - 30/11/2018 For 4 Days
PGS Exploration (UK) Limited MV Bravo Sapphire MV Storm West	8050m 25m	57°48.597'N 001°38.793'W 57°46.208'N 001°47.305'W 57°46.147'N 001°52.642'W 57°45.323'N 002°16.713'W 57°47.782'N 002°27.776'W 58°02.415'N 002°58.171'W 58°08.706'N 002°40.983'W 58°10.901'N 002°41.665'W	58°22.503'N 002°08.802'W 58°27.306'N 001°55.494'W 58°25.804'N 001°35.856'W 58°18.961'N 001°36.019'W 58°11.284'N 001°19.039'W 58°07.305'N 001°27.943'W 57°59.424'N 001°10.758'W	09/08/2018 - 31/10/2018 For 74 Days
Shearwater GeoServices Ltd MV Polar Duchess 5BJC3		57°59.027'N 000°47.891'E 57°55.780'N 001°05.202'E 57°33.224'N 000°55.172'E 57°35.554'N 000°37.378'E	21, 22	20/07/2018 - 31/10/2018 For 4 Days
Fraser Well Management Limited		58°18.540'N 003°12.096'W 58°17.240'N 003°09.614'W 58°15.574'N 003°12.759'W 58°16.873'N 003°15.241'W	11	09/07/2018 - 30/09/2018 For 3 Days
Fugro Survey Ltd Fugro Venturer C6CG3		56°54.073'N 002°22.905'E 57°01.893'N 001°57.228'E	22, 23, 30	01/07/2018 - 30/11/2018 For 5 Days
Enesco Drilling Rig Contract Enesco 101		57°24.307'N 001°35.904'E		17/06/2018 - 15/10/2018 For 13.5 Day
CGG Geo Coral LACA8 Geowave Caribbean LADV8	15m 7m	58°53.605'N 001°35.569'E	16	01/05/2018 - 01/10/2018 For 1 Day
Gardline Geosurvey Ltd MV Ocean Kommandor PBQW Sea Explorer C6NG6		57°19.242'N 001°37.327'E 57°17.775'N 001°42.500'E 57°14.904'N 001°39.865'E 57°11.521'N 001°45.451'E 57°09.441'N 001°47.017'E 57°07.265'N 001°37.481'E 57°15.200'N 001°33.264'E	22	21/03/2018 - 31/12/2018 For 3 Days

Area 3 Survey List

Latest Update: 06 September 2018

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Fugro GB (North) Marine Limited MV Fugro Venturer C6CG3		53°52.990'N 001°13.837'E 53°52.949'N 001°11.100'E 53°51.332'N 001°11.170'E 53°51.372'N 001°13.905'E 53°52.423'N 001°12.035'E 53°52.437'N 001°12.947'E 53°51.898'N 001°12.970'E 53°51.884'N 001°12.058'E	48	31/08/2018 - 30/09/2018 For 1.5 Days

Fugro Survey Limited Skandi Olympia C6XY8 Fugro Valkyrie 2BWA9 or Fugro Seeker 2HCS2		53°08.532'N 001°39.721'E 53°04.626'N 001°55.600'E 53°00.862'N 001°32.305'E 52°58.587'N 001°50.850'E 52°58.541'N 001°36.046'E 52°53.094'N 001°25.851'E 52°51.046'N 001°29.324'E	48, 52	30/07/2018 - 31/10/2018 For 50 Days
Gardline Geosurvey Ltd MV Kommandor MCJ02	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	28/09/2018 - 31/12/2018 For 15 Days
MG3 Survey UK Ltd Poseidon TFJC	600m 3m	53°26.432'N 001°28.420'E 53°23.716'N 001°30.417'E 53°22.632'N 001°26.293'E 53°25.346'N 001°24.288'E	48	15/09/2018 - 31/10/2018 For 6 Days
Fugro Fugro Meridian C6QR4	100m 30m	53° 42.08'N 00° 10.08'E 53° 54.02'N 00° 25.76'E 53° 52.90'N 00° 28.02'E 53° 39.61'N 00° 11.20'E	47	05/09/2018 - 25/10/2018 For 5 Days
Fugro Fugro Seeker 2HCS2	15m 5m	53° 39.00'N 00° 07.40'E 53° 40.00'N 00° 06.10'E 53° 42.20'N 00° 13.00'E 53° 41.00'N 00° 14.00'E	47	05/09/2018 - 25/10/2018 For 15 Days
Fugro Survey Limited TBC		52°37.139'N 002°46.842'E	53	03/09/2018 - 12/12/2018 For 8 Days
Fugro GB (North) Marine Limited MV Fugro Venturer C6CG3	1 x 1200 Streamers 2.5m	53°54.843'N 001°08.765'E 53°52.382'N 001°16.887'E 53°48.545'N 001°13.554'E 53°51.003'N 001°05.441'E	48	18/09/2018 - 21/09/2018 For 10 Days
Fugro GB (North) Marine Limited MV Fugro Venturer C6CG3		54°04.700'N 000°27.287'E 54°04.758'N 000°30.035'E 54°03.142'N 000°30.132'E 54°03.084'N 000°27.385'E 54°04.181'N 000°28.235'E 54°04.200'N 000°29.151'E 54°03.661'N 000°29.184'E 54°03.642'N 000°28.268'E	42	31/08/2018 - 30/09/2018 For 1.5 Days
Fugro GB (North) Marine Limited MV Fugro Venturer C6CG3		53°58.569'N 001°11.748'E 53°58.610'N 001°14.491'E 53°56.992'N 001°14.559'E 53°56.952'N 001°11.818'E 53°58.044'N 001°12.685'E 53°58.057'N 001°13.599'E 53°57.518'N 001°13.622'E 53°57.504'N 001°12.708'E	48	31/08/2018 - 30/09/2018 For 1.5 Days
Gardline Geosurvey Ltd MV Kommandor MCJ02		53°54.248'N 001°00.593'E 54°02.388'N 000°26.357'E	42, 47, 48	28/08/2018 - 31/12/2018 For 8 Days
Benthic Solutions Limited TBC		52°51.897'N 001°27.768'E 52°52.184'N 001°28.240'E 52°51.843'N 001°28.699'E 52°52.128'N 001°28.184'E	52	08/08/2018 - 30/09/2018 For 7 Days
MMT MV Franklin OZ2102		53°39.991'N 000°06.892'E 52°58.973'N 002°58.334'E	42,43,47,48,49,52,53	07/09/2018 - 31/10/2018 For 25 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	21/09/2018 - 30/09/2018 For 10 Days

Area 4 Survey List

Latest Update: 20 September 2018

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
GEO xyz Geo Ocean III LXGP	600m	50°40.405'N 001°47.687'W 50°38.150'N 001°47.687'W 50°38.150'N 001°52.150'W 50°40.426'N 001°52.126'W	98	19/09/2018 For 3 Days

Area 5 Survey List

Latest Update: 20 September 2018

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