NDR Update – October 2022

Good morning,

We are pleased to announce the latest release of the UK NDR user interface, version 20220930_17.

While we've been working on the interface and optimising performance, licensees have been busy themselves, responding to your data requests and the diligent stewardship of our NSTA Data Compliance colleagues.

Some 22 terabytes of subsurface data were uploaded last month – that's one and a half times the volume of data we migrated from the previous NDR system. Almost all of it is eligible for disclosure and is now available for download.

Anticipating the launch of the 33rd Offshore Petroleum Licensing Round, we have focused our latest developments on usability updates that will help users to search for relevant data more easily.

We are expecting data downloads to be higher than usual as users obtain data to support applications for the 33rd Round. Download numbers in September were already up, with over 100 companies taking advantage of the free monthly egress allowance. Of those, at least 10 obtained a terabyte or more last month, including our academic users and small consultancies.

The NDR enables access to data like never before. For everyone. For free.

Regards

Andy

Further to updates made over the summer, to adapt the user interface in response to your feedback, you will see the following changes to **Data Discovery** in the new version:

NDR Map – Spatial filtering by block

Since the new service was launched it has been possible to constrain a search using a spatial filter of the boundaries of an offshore Quadrant and an offshore hydrocarbon field. We have applied the same approach to offshore blocks.

At the appropriate zoom level users can now isolate every wellbore and seismic survey that crosses or lies within a given offshore block with a single button click.

Selecting a block on the map filters the Project ID Table to show only the well and seismic projects that lie within the spatial buffer. We expect this new functionality to be particularly useful to users searching for data that is pertinent to forthcoming offered areas for petroleum licence applications, which will be defined at the block or sub-block level.

Project ID Table – handling more rows

User can select multiple Project IDs and send the associated files to the File Table. When we launched the service, we recognised the need to balance ease of use and performance, and we set an upper limit of 10 Project IDs at a time to send to the File Table.

In their usability review feedback users asked us to increase or even remove the limit. We have looked at that and have adapted the way the information is processed. That has allowed us to increase the threshold to 30 Project IDs at a time.
Once added to the File Table, another 30 can be processed – there is no practical limit on how many files you can add to the File Table.

Project ID Table – changes to buttons

Show Selected button shown in grey when inactive (i.e. no Projects have been selected). When one or more Projects are selected, the button changes colour when it becomes active.

The same applies to **Clear Selected, Export CSV** and **View Files**

Add Well GIS button has been renamed to **Add Well Columns** for clarity.

Mouseover pop-ups have been updated to add further clarity to the contents of the following buttons:

Show Selected, Hide Selected, View Files, Show/Hide Map, Fit Columns, Add Well Columns

Project ID Table – changes to columns

A new attribute has been added with the title **Area**, and populated for wells in the Northern, Central and Southern North Sea, the West of Shetland and East Irish Sea "areas". We have added this attribute to assist users in shortlisting the table on a regional basis. The areas are necessarily broadly defined, and there are regions of UKCS with relatively few wells that have not been included at this time.

Areas for seismic surveys will be added soon, with 3D surveys being defined now.

Mouseover information pop-ups have been updated to add further clarity to the contents of the following columns:

Survey/Well ID, Data Reporting Group, Licence/s, Company ID, Project Type, Project End Date, Release Date, Project Size, Seismic Type, Release Rule

Abbreviations in the column header menus have been expanded to the full titles of **Project End Date** and **Release Date**

We have introduced date range filters for **Project End Date, Release Date** and **Last Update**, and pre-populated drop-down lists have been added for **Project Type** and **Seismic Type**

The column **Release Round** has been removed from the Project ID Table. The attribute has not been maintained in NSTA Systems of Record for some time and was highlighted by users in the NDR UI/UX Review as being of little relevance.

Project ID Table – Additional well columns:

Similar amendments have been introduced to the recently introduced columns of wellbore attributes sourced from the NSTA Open Data Service.

A date range filter has been added to the **Spud Date**

Completion Status, **Well Intent** and **Field** can be grouped, and filtered by a pre-populated drop-down list

Mouseovers for **Completion Status**, **TVD (m), MD (m), Well Intent**, **Spud Date** and **Field** have been modified for clarity.

File Table – changes to buttons:

Changes to the File Table buttons follow the approach in the Project ID Table, with **Add Files to Session Basket, Export CSV** buttons showing in grey when their functions are inactive.

We have also amended the mouseover text in these File Table buttons for clarity: **Add Files to Session Basket, Fit Columns, Fit width, Reset width, Line Name, Legacy File ID**

File Table – changes to columns

Mouseover edits have been added to **Survey/Well ID, Preview, Project Type, Metadata Tags, Top Z (m), Bottom Z (m), Z Type**

Project Type now has a pre-populated drop-down rather than a free text filter

Date range filters are available for **Load Date, Release Date, Log Run Date**

Support for map projection "TM 0 North"

In collaboration with Shell we have defined the correct parameters for the co-ordinate transformation of data that has been acquired with reference to the ED50 TM 0 North map projection, to an NDR compatible coordinate reference system.

Now configured in the NDR, seismic data that spatially references "TM 0" can now be loaded direct to the repository using the self-service upload routines.

The Osokey team has also optimised performance of the upload routines based on diagnostics gathered on the day-to-day ingress of many terabytes of seismic that have been uploaded by our Data Management users in the Licensee community.

We are delighted with the progress on uploading legacy seismic data – hundreds of terabytes are now online, thanks to collective efforts from industry and the NSTA's service partners in Osokey and Moveout.

Including TM0 as a valid Coordinate Reference System opens the door to a great deal more.

North Sea Transition Authority

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