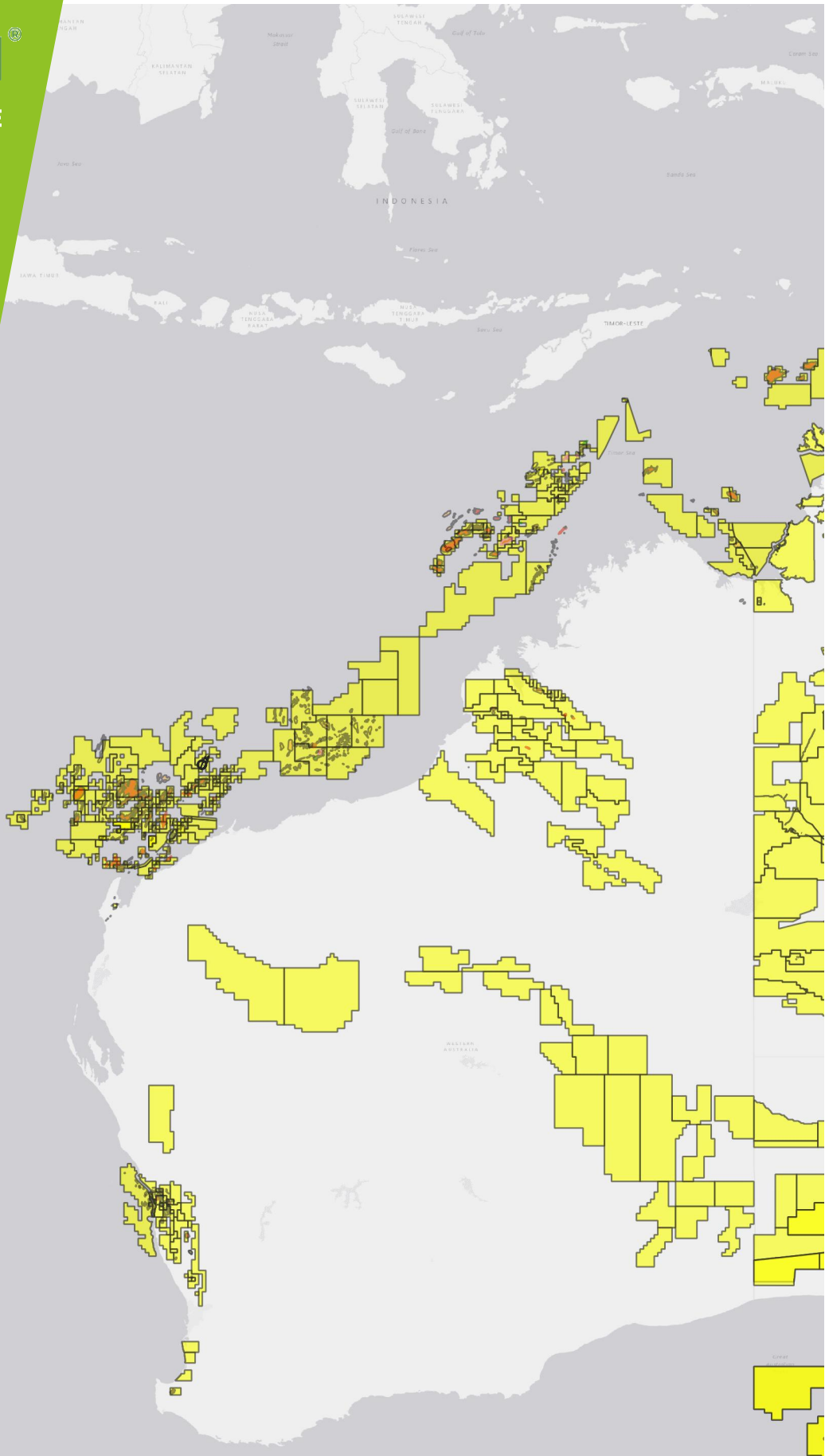




MapStand
LOCATION INTELLIGENCE

MapStand Monthly Mashup



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Introduction

Happy New Year to all of our readers and welcome to the January edition of the MapStand Monthly Mashup!

As always, we are bringing you a round-up of the previous months key news and activity from across the E&P, energy transition and renewables sectors. December is usually a relatively quiet month but in a crazy year, there was plenty of news including a number of major discoveries, dry wells and the commencement of some high profile exploration wells.

Here at MapStand, 2021 will see us continue to evolve our products in order to best support our community of users from across the energy sector. Following on from our crowdfunding success we will be launching some exciting updates to our free global platform. Our enterprise solutions will continue to evolve with new datasets to support our customers' needs as we navigate the energy transition together through the provision of high quality, low cost geospatial data and analytics.

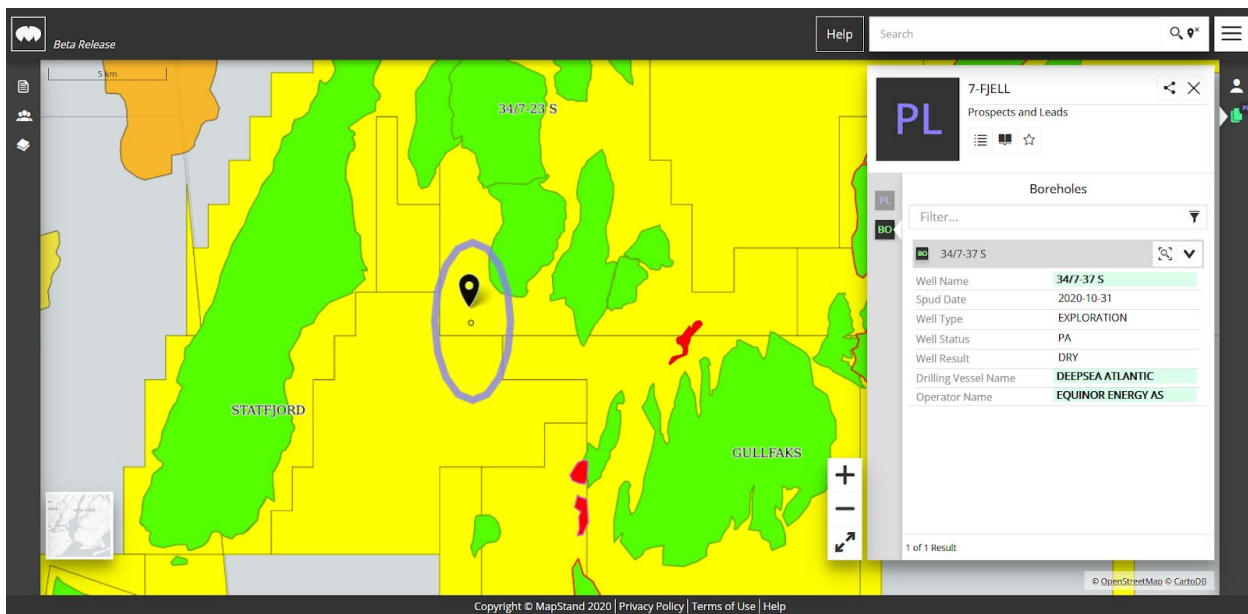
If there are features you would like to see on our application or if you would like to find out more about MapStand and how our commercial offerings can help you and your organization, please do not hesitate to get in touch. support@mapstand.com.

Francis Cram
CEO
MapStand

Europe

Equinor drill a duster on its 7-Fjell Prospect

Equinor has failed to find hydrocarbons with its 34/7-37 S exploration well, drilled to test the 7-Fjell prospect in PL089. The well was spud on 31st October using the Deepsea Atlantic, targeting the Draupne formation which, despite being intersected, did not contain any reservoir. The well has been plugged and abandoned and the Deepsea Atlantic has moved on to operations at the Gullfaks Sor field.

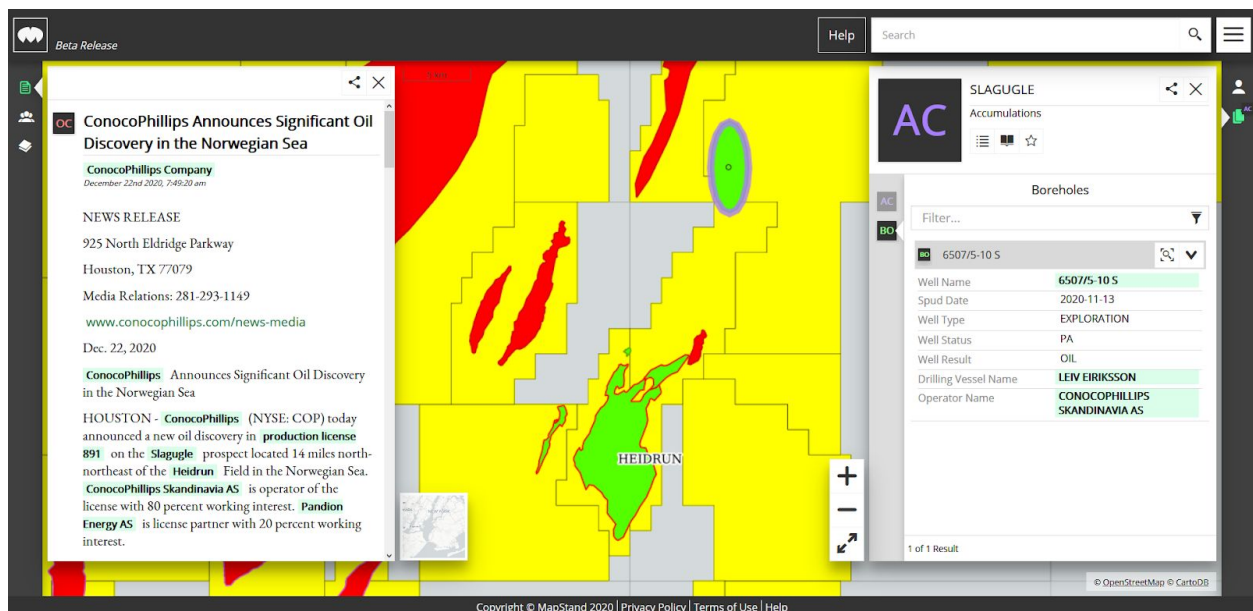


Success for Conoco at Slagugle

ConocoPhillips, alongside partner Pandion Energy AS, have announced a significant oil discovery with exploration well 6507/5-10 S, drilled to test the Slagugle prospect in PL891.

The well, located to the northeast of the Heidrun field, was drilled using the Leiv Eiriksson to a total depth of 2179 metres and encountered a 270m oil column within the Are Formation before terminating in the Triassic 'Red Beds'. The well will now be plugged and abandoned.

Initial estimates place the size of the discovery between 75 and 200 Mmboe.



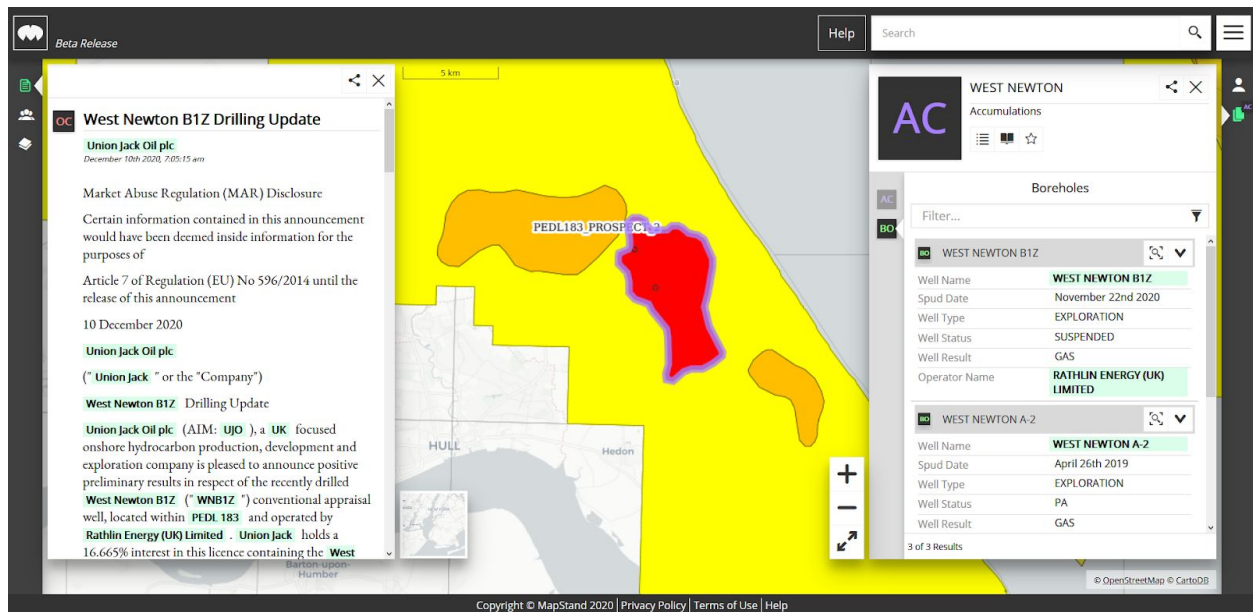
West Newton Update

Union Jack Oil has announced a significant hydrocarbon discovery with its West Newton B1Z appraisal well.

Following the West Newton B1 well, B1Z was drilled to a TD of 2114m, intersecting a substantial hydrocarbon column with a gross 62m interval of the Kirkham Abbey Formation with porosities of up to 14% observed.

Drilling operations have concluded, and production casing has been run in preparation for testing.

UJO holds a 16.665% interest in PEDL 183 alongside partners Rathlin Energy (UK) Limited (Operator – 66.67%) and Reabold Resources Plc (16.665%).

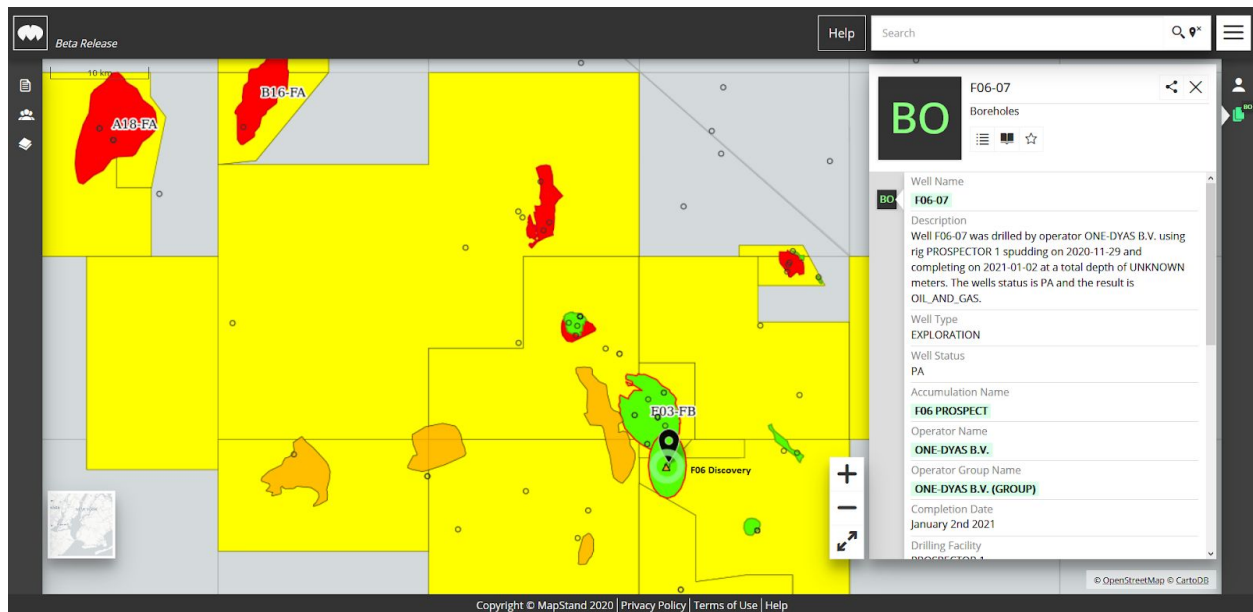


ONE-Dyas success at Ijssel

Somewhat under the radar, ONE-Dyas has hit oil and gas with its F06-7 well, south of the producing F03-FB field in the Central Graben, which is operated by Neptune Energy.

The well was spud on 29th November using Borr Drillings Prospector 1 and completed on the 2nd January 2021. Little was known about the Ijssel target in block F06b but it appears that ONE-Dyas have been successful and more news is expected soon.

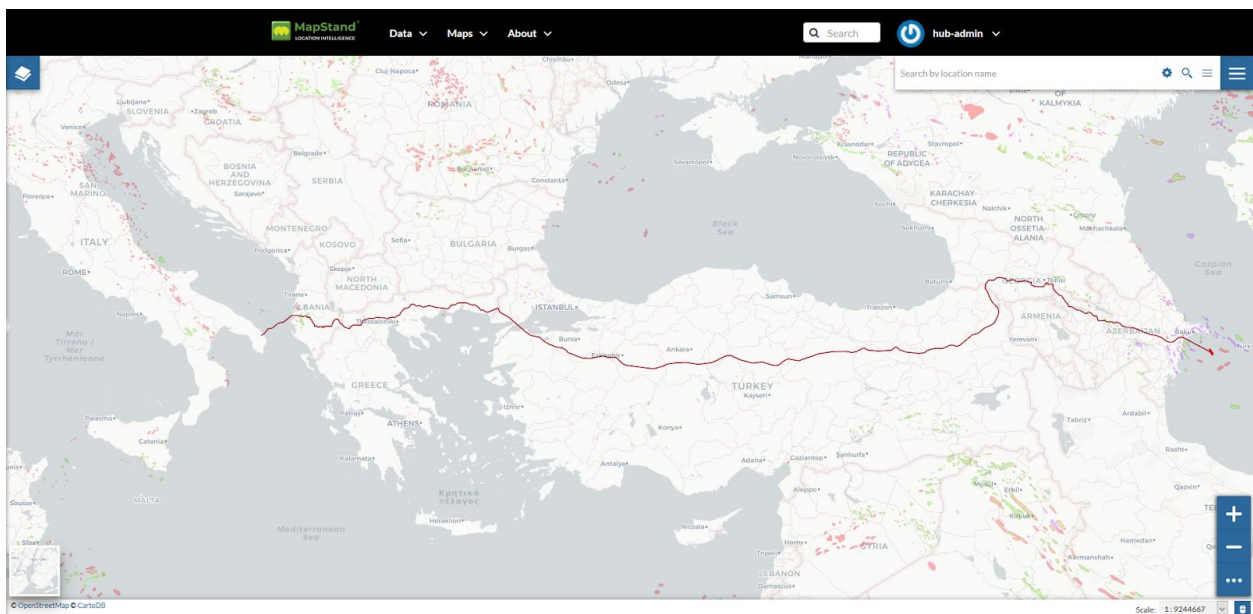
Block F06b is operated by ONE-Dyas (24%) alongside Dana Petroleum (36%) and EBN (40%).



Southern Gas Corridor comes onstream

A major milestone was reached at the end of 2020 as, after more than 7 years, the Southern Gas Corridor project was completed, enabling the transportation of gas from the Caspian Sea, offshore Azerbaijan to Europe through three interconnected gas pipelines covering over 3500Km. Together they are expected to carry up to 16 billion cubic meters of gas a year to markets in the region and Europe.

The pipeline system begins at the bp operated Shah Deniz gas field in Azerbaijan where gas is transported to the Georgia-Turkey border via the South Caucasus system (SCPX). Here it connects to the Trans Anatolian Pipeline System (TANAP) which crosses Turkey to the Greek border where the third segment, the Trans Adriatic Pipeline System (TAP) completes the system across Greece and the Adriatic to Italy.

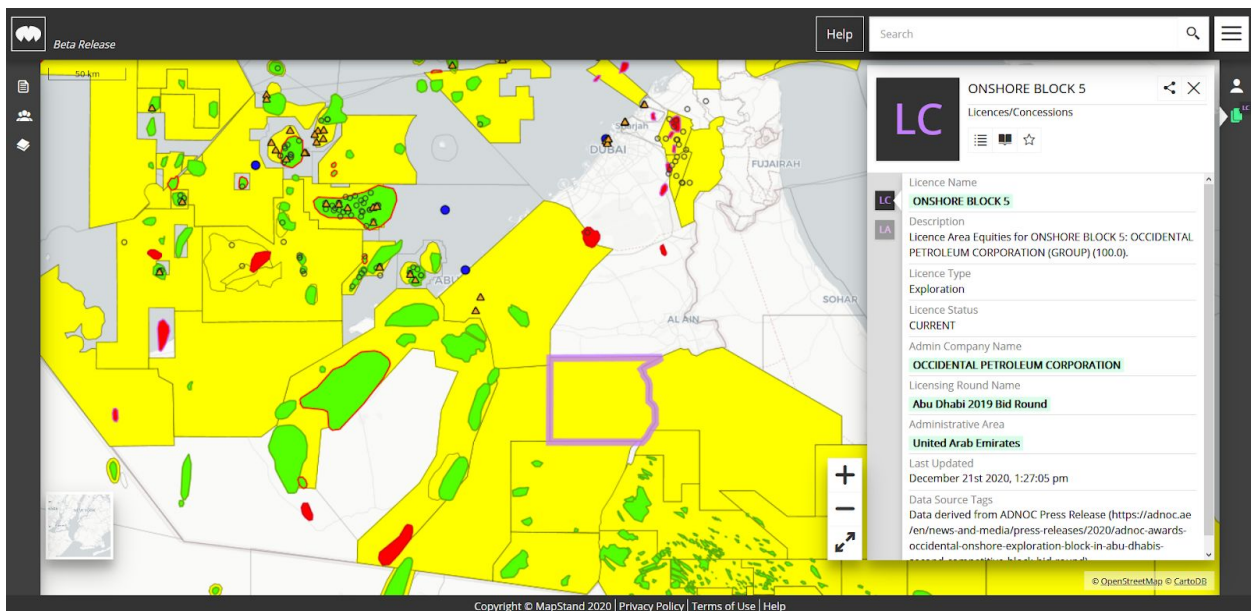


Middle East

Occidental awarded onshore block 5

ADNOC has announced that Onshore Block 5 has been awarded to Occidental as part of Abu Dhabi's second competitive block bid round.

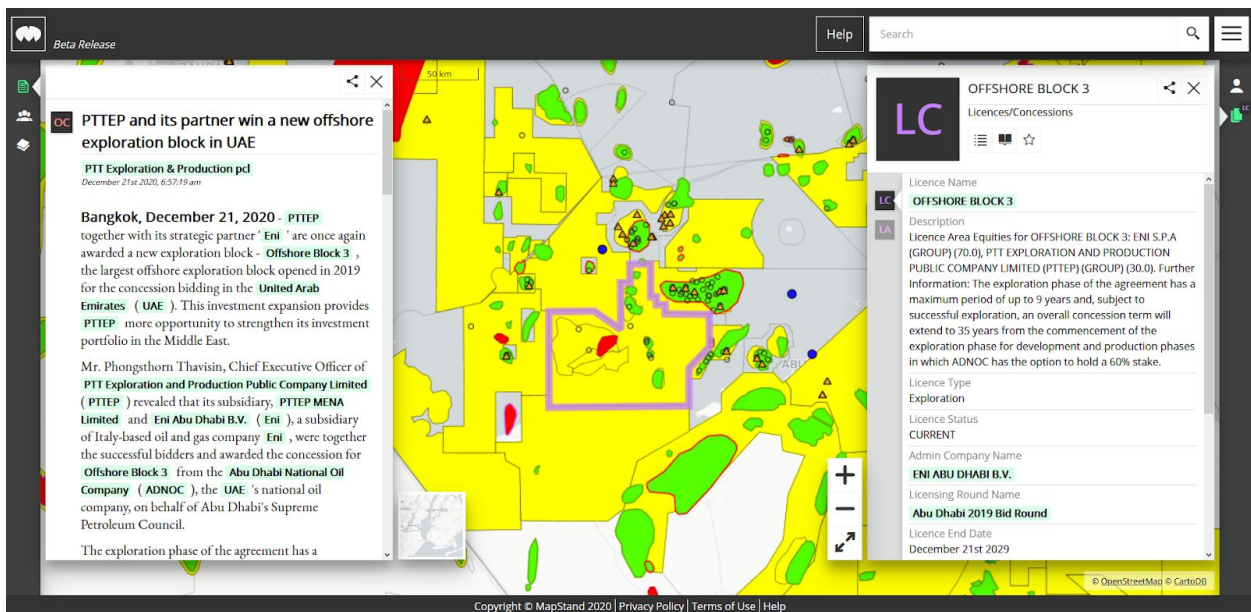
Occidental will hold a 100% stake in the exploration phase, investing up to \$140 million in the block southeast of Abu Dhabi city.



ENI and PTTEP secure offshore block 3

ENI has expanded its presence in UAE with the award of Offshore Block 3, one of Abu Dhabi's largest offshore exploration concessions. ENI will assume operatorship (70%) alongside partner PTTEP (30%).

Offshore Block 3, located in the north-west offshore of the UAE, is the largest area to be awarded among those blocks that were offered as part of Abu Dhabi's second competitive block bid round.



PTTEP and its partner win a new offshore exploration block in UAE
PTT Exploration & Production plc
December 21st 2020, 6:57:19 am

Bangkok, December 21, 2020 - PTTEP together with its strategic partner "Eni" are once again awarded a new exploration block - **Offshore Block 3**, the largest offshore exploration block opened in 2019 for the concession bidding in the **United Arab Emirates (UAE)**. This investment expansion provides PTTEP more opportunity to strengthen its investment portfolio in the Middle East.

Mr. Phongthorn Thavisin, Chief Executive Officer of PTT Exploration and Production Public Company Limited (PTTEP) revealed that its subsidiary, PTTEP MENA Limited and Eni Abu Dhabi B.V. (Eni), a subsidiary of Italy-based oil and gas company Eni, were together the successful bidders and awarded the concession for **Offshore Block 3** from the **Abu Dhabi National Oil Company (ADNOC)**, the UAE's national oil company, on behalf of Abu Dhabi's Supreme Petroleum Council.

The exploration phase of the agreement has a

LC OFFSHORE BLOCK 3
Licences/Concessions

LC
LA

Licence Name
OFFSHORE BLOCK 3

Description
Licence Area Equities for OFFSHORE BLOCK 3: ENI S.P.A (GROUP) (70.0), PTT EXPLORATION AND PRODUCTION PUBLIC COMPANY LIMITED (PTTEP) (GROUP) (30.0). Further Information: The exploration phase of the agreement has a maximum period of up to 9 years and, subject to successful exploration, an overall concession term will extend to 35 years from the commencement of the exploration phase for development and production phases in which ADNOC has the option to hold a 60% stake.

Licence Type
Exploration

Licence Status
CURRENT

Admin Company Name
ENI ABU DHABI B.V.

Licensing Round Name
Abu Dhabi 2019 Bid Round

Licence End Date
December 21st 2029

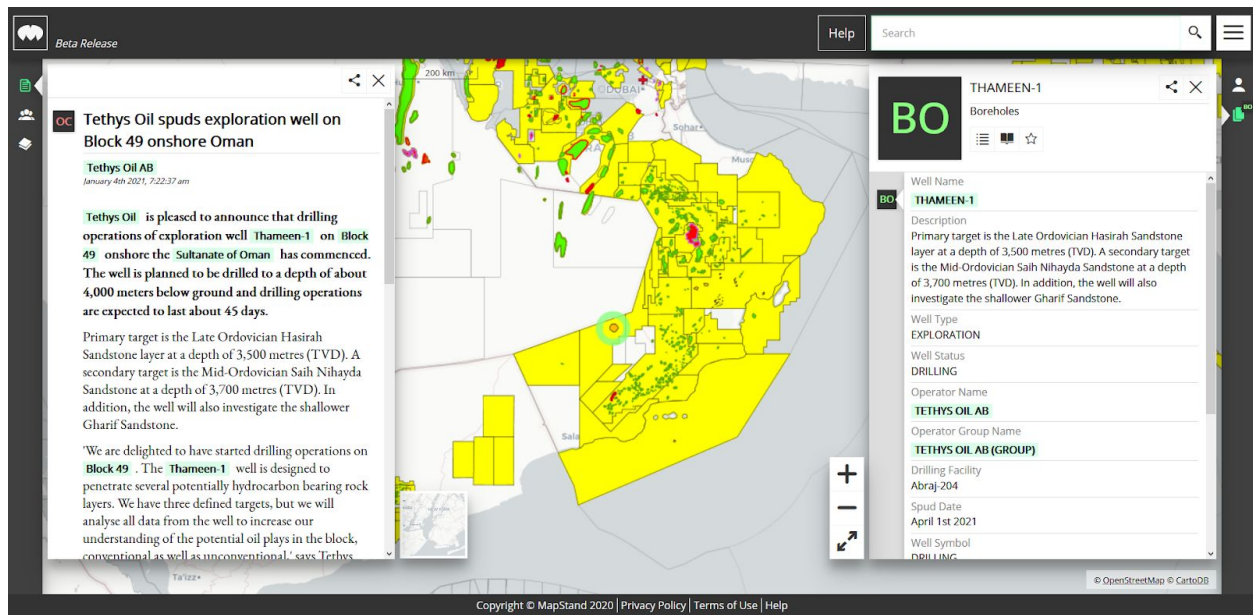
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Tethys Oil Spuds Thameen-1

Tethys Oil AB has announced that drilling of exploration well Thameen-1 in Block 49 (Montasar), Oman has commenced.

The well is targeting the Late Ordovician Hasirah sandstones with a secondary target in the Mid-Ordovician Saih Nihayda sandstones at depths between 3500 and 3700m.

In November 2020, Tethys Oil AB entered into a farmout agreement with EOG Resources for a 50% stake in Block 49 which is subject to government approval.



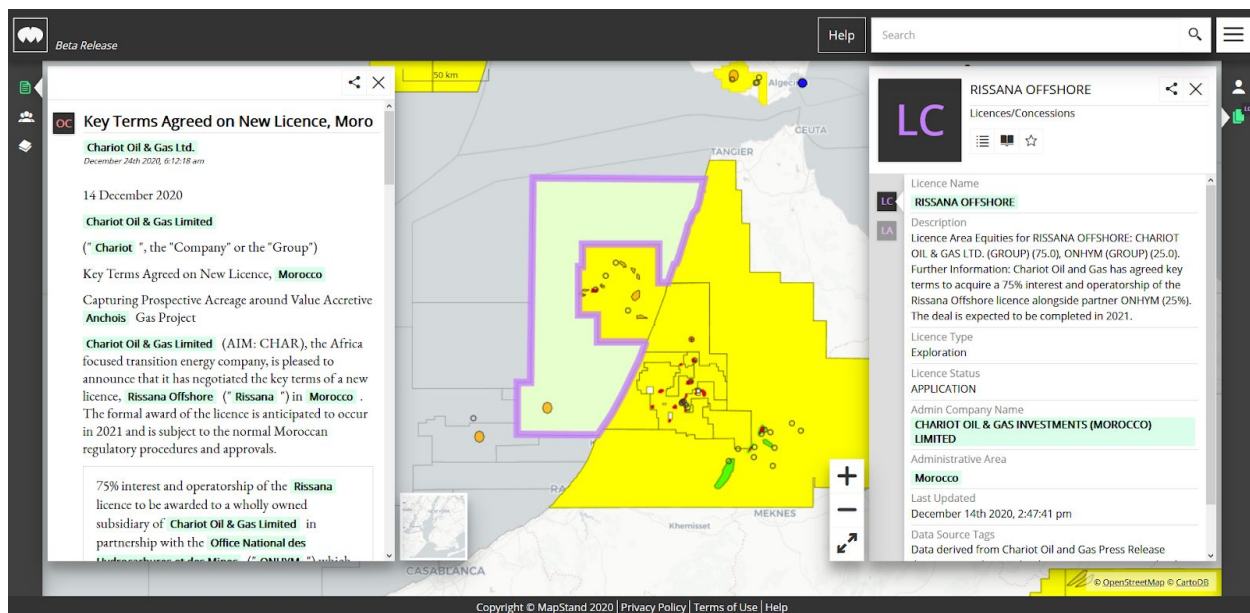
Africa

Chariot agrees new Morocco licence

Chariot Oil & Gas Limited has announced that it has agreed terms of a new licence offshore Morocco.

The Rissana licence will completely surround the offshore boundaries of Chariot's existing Lixus Offshore Licence which contains the Anchois Gas Discovery, as well as covering the most prospective northern areas of the previously held Mohammedia Offshore and Kenitra Offshore licences.

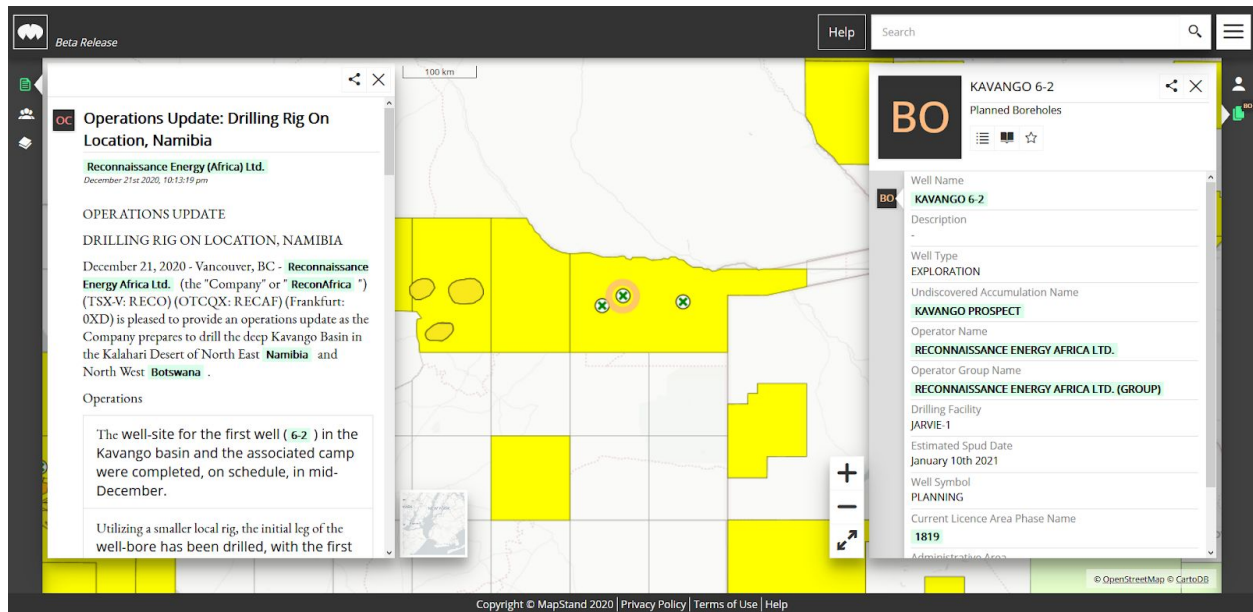
Chariot, through its subsidiary Chariot Oil and Gas Investments Morocco, will hold a 75% interest and operatorship alongside the Office National des Hydrocarbures et des Mines (ONHYM) which will hold 25%.



Recon Africa set to drill Kavango Prospect

Reconnaissance Energy Africa announced, at the end of December, that the Crown 1,000 HP drilling rig (Jarvie-1) was now on location and the company expects to start the drilling of its first well Kavango 6-2 in the first part of January 2021.

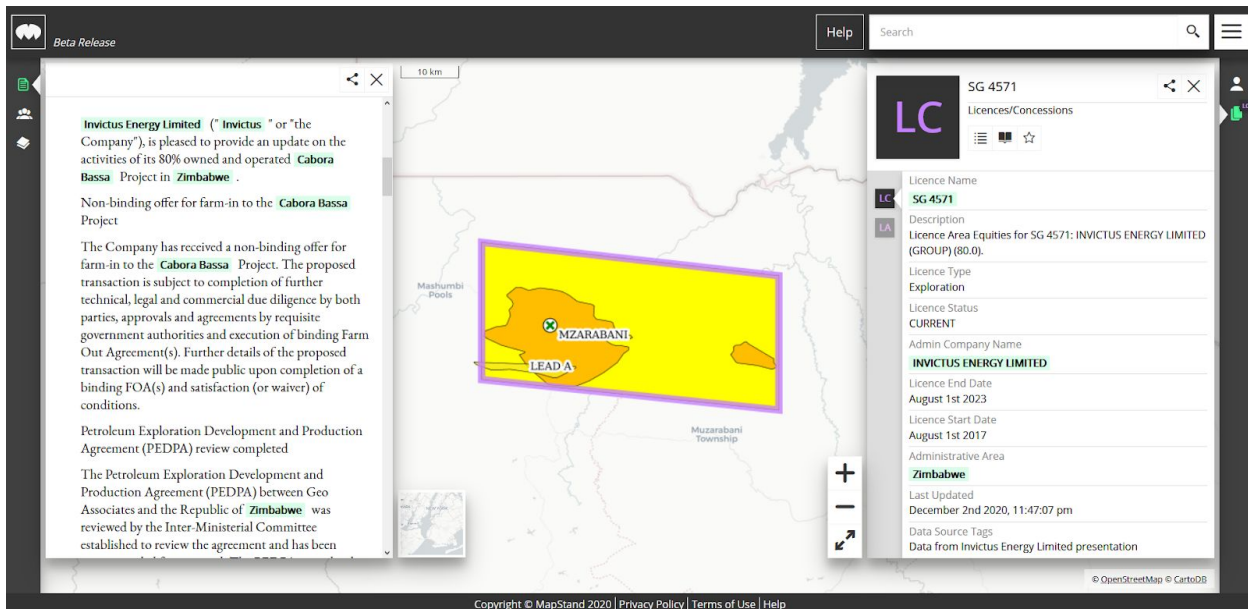
The well is the first of three in Recons drilling programme and will look to prove an active petroleum system within the deep Permian section of the Kavanago Basin.



Invictus receives Cabora Bassa farm-in offer

Invictus Energy Limited announced that it had received a non-binding offer to farm-in to its Cabora Bassa project in Block SG4571, Zimbabwe.

The company has identified two prospects in its licence, Mzarabani and Msasa and is looking to complete its seismic acquisition program in the block during 2021.



Invictus Energy Limited ("Invictus" or "the Company"), is pleased to provide an update on the activities of its 80% owned and operated **Cabora Bassa** Project in **Zimbabwe**.

Non-binding offer for farm-in to the **Cabora Bassa** Project

The Company has received a non-binding offer for farm-in to the **Cabora Bassa** Project. The proposed transaction is subject to completion of further technical, legal and commercial due diligence by both parties, approvals and agreements by requisite government authorities and execution of binding Farm Out Agreement(s). Further details of the proposed transaction will be made public upon completion of a binding FOA(s) and satisfaction (or waiver) of conditions.

Petroleum Exploration Development and Production Agreement (PEDPA) review completed

The Petroleum Exploration Development and Production Agreement (PEDPA) between Geo Associates and the Republic of **Zimbabwe** was reviewed by the Inter-Ministerial Committee established to review the agreement and has been

SG 4571
Licences/Concessions

LC
LA

Licence Name
SG 4571

Description
Licence Area Equities for SG 4571: INVICTUS ENERGY LIMITED (GROUP) (80.0).

Licence Type
Exploration

Licence Status
CURRENT

Admin Company Name
INVICTUS ENERGY LIMITED

Licence End Date
August 1st 2023

Licence Start Date
August 1st 2017

Administrative Area
Zimbabwe

Last Updated
December 2nd 2020, 11:47:07 pm

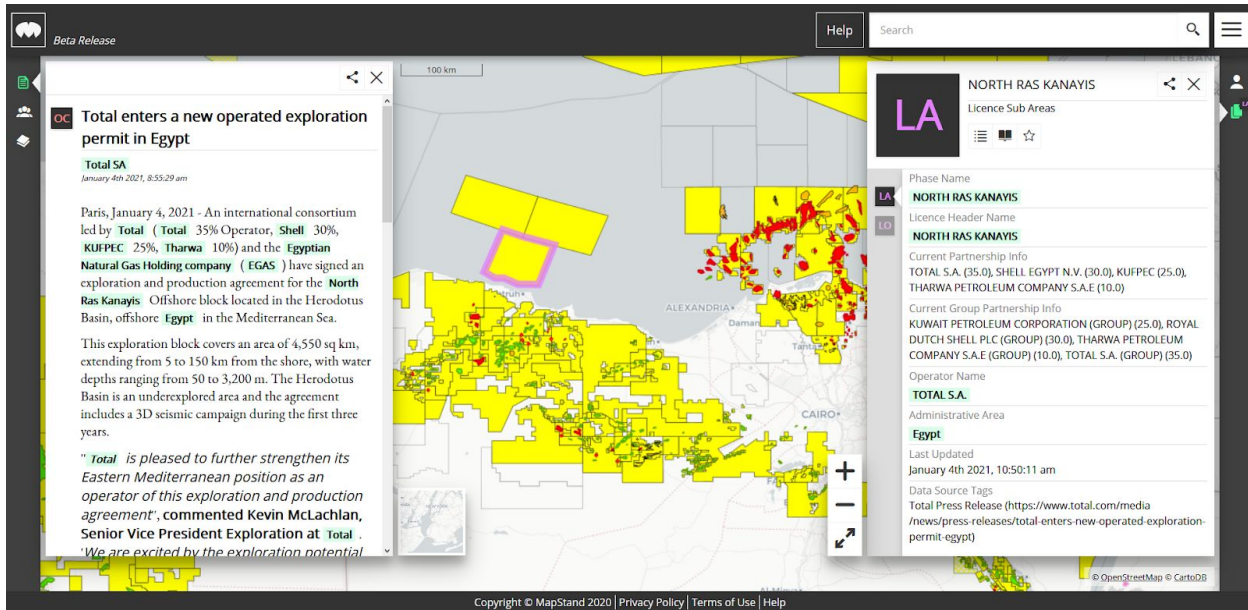
Data Source Tags
Data from Invictus Energy Limited presentation

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Total signs latest Egypt agreement

Total has signed an exploration and production agreement with EGAS for the North Ras Kanayis Offshore block located in the Herodotus Basin, offshore Egypt. The agreement includes a 3D seismic campaign during the first three years

Total as operator, will lead an international consortium comprising Shell, KUFPEC and Tharwa Petroleum Company (S.A.E.)



OC **Total enters a new operated exploration permit in Egypt**
 Total SA
 January 4th 2021, 8:55:29 am

Paris, January 4, 2021 - An international consortium led by **Total** (Total 35% Operator, Shell 30%, KUFPEC 25%, Tharwa 10%) and the **Egyptian Natural Gas Holding company** (EGAS) have signed an exploration and production agreement for the **North Ras Kanayis** Offshore block located in the Herodotus Basin, offshore **Egypt** in the Mediterranean Sea.

This exploration block covers an area of 4,550 sq km, extending from 5 to 150 km from the shore, with water depths ranging from 50 to 3,200 m. The Herodotus Basin is an underexplored area and the agreement includes a 3D seismic campaign during the first three years.

"**Total** is pleased to further strengthen its Eastern Mediterranean position as an operator of this exploration and production agreement", commented Kevin McLachlan, Senior Vice President Exploration at **Total**. "We are excited by the exploration potential

LA **NORTH RAS KANAYIS**
 Licence Sub Areas

Phase Name
NORTH RAS KANAYIS

Licence Header Name
NORTH RAS KANAYIS

Current Partnership Info
 TOTAL S.A. (35.0), SHELL EGYPT N.V. (30.0), KUFPEC (25.0), THARWA PETROLEUM COMPANY S.A.E (10.0)

Current Group Partnership Info
 KUWAIT PETROLEUM CORPORATION (GROUP) (25.0), ROYAL DUTCH SHELL PLC (GROUP) (30.0), THARWA PETROLEUM COMPANY S.A.E (GROUP) (10.0), TOTAL S.A. (GROUP) (35.0)

Operator Name
TOTAL S.A.

Administrative Area
Egypt

Last Updated
 January 4th 2021, 10:50:11 am

Data Source Tags
 Total Press Release (<https://www.total.com/media/news/press-releases/total-enters-new-operated-exploration-permit-egypt>)

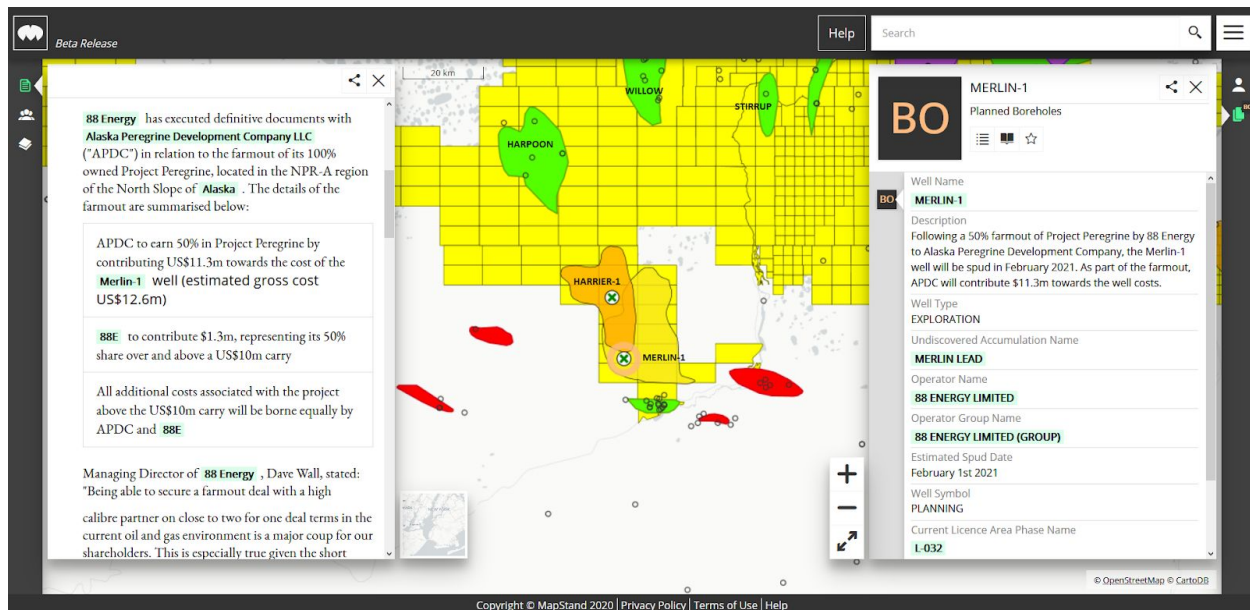
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North America

88 Energy set for Merlin-1

88 Energy Ltd has agreed to farmout a 50% stake in its Project Peregrine licence area to Alaska Peregrine Development Company (APDC).

As part of the deal, APDC will pay \$11.3m toward the cost of the Merlin-1 exploration well whilst 88 Energy Ltd will cover the remaining \$1.3m. Following the completion of the deal, the well is expected to be spud as early as February 2021.



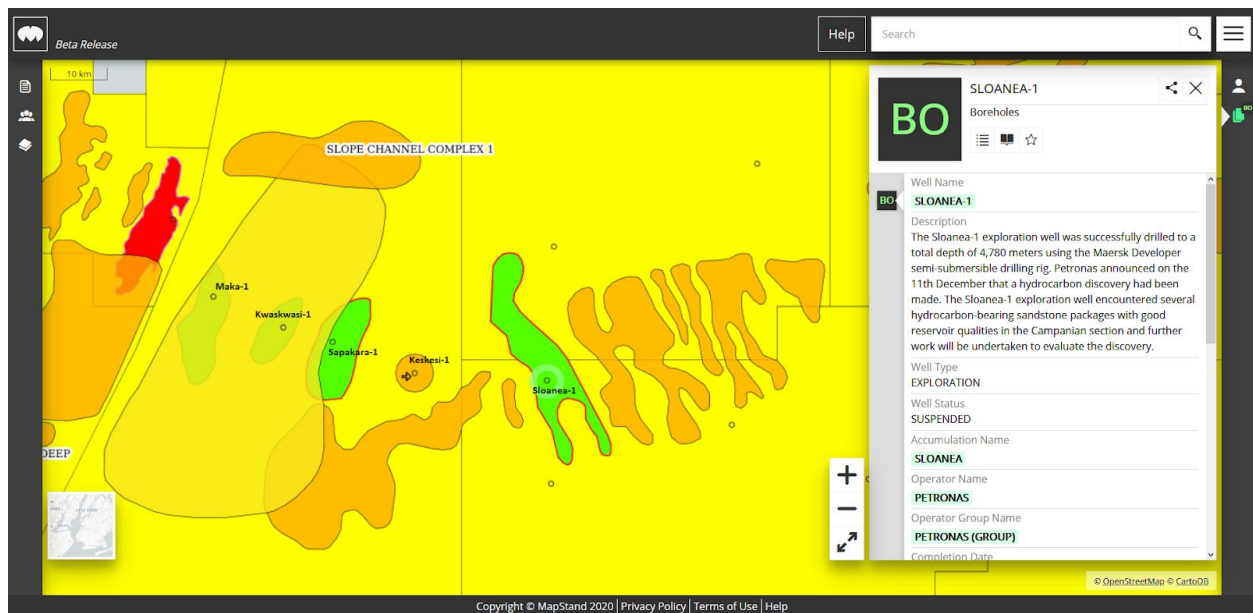
Latin America

Success for Petronas in Suriname

PETRONAS, alongside partner ExxonMobil, has announced a hydrocarbon discovery in Block 52, offshore Suriname.

The Sloanea-1 exploration well was successfully drilled to a total depth of 4,780 meters using the Maersk Developer semi-submersible drilling rig. The well encountered several hydrocarbon-bearing sandstone packages with good reservoir qualities in the Campanian section and further work will be undertaken to evaluate the discovery. Petronas is operator of Block 52 (50%) alongside ExxonMobil E&P Suriname (50%).

This discovery confirms the extension of a working petroleum system following recent discoveries in Block 58 (Maka, Kwaskwasi and Sapakara) and with Apache Corporation currently drilling the Keskesi-1 well we are likely to see more success in the region shortly.

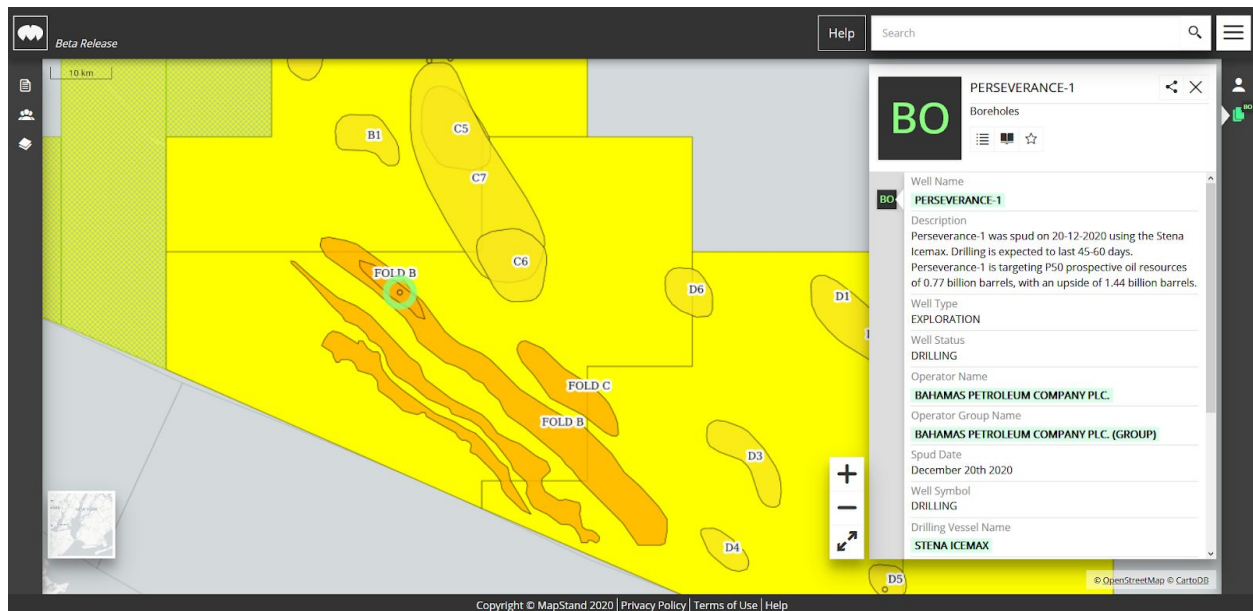


Perseverance-1 spuds

Bahamas Petroleum has announced that the much-anticipated Perseverance-1 exploration well, offshore The Bahamas was spud on 20th December.

Perseverance-1 is targeting P50 prospective oil resources of 0.77 billion barrels, with an upside of 1.44 billion barrels. The well is being drilled using the Stena IceMax and will take between 45 and 60 days to complete.

It has not been plain sailing for BPC during the drilling campaign with repeated legal challenges throughout. The latest announcement on the 6th January noted that the court had ruled that drilling could continue.

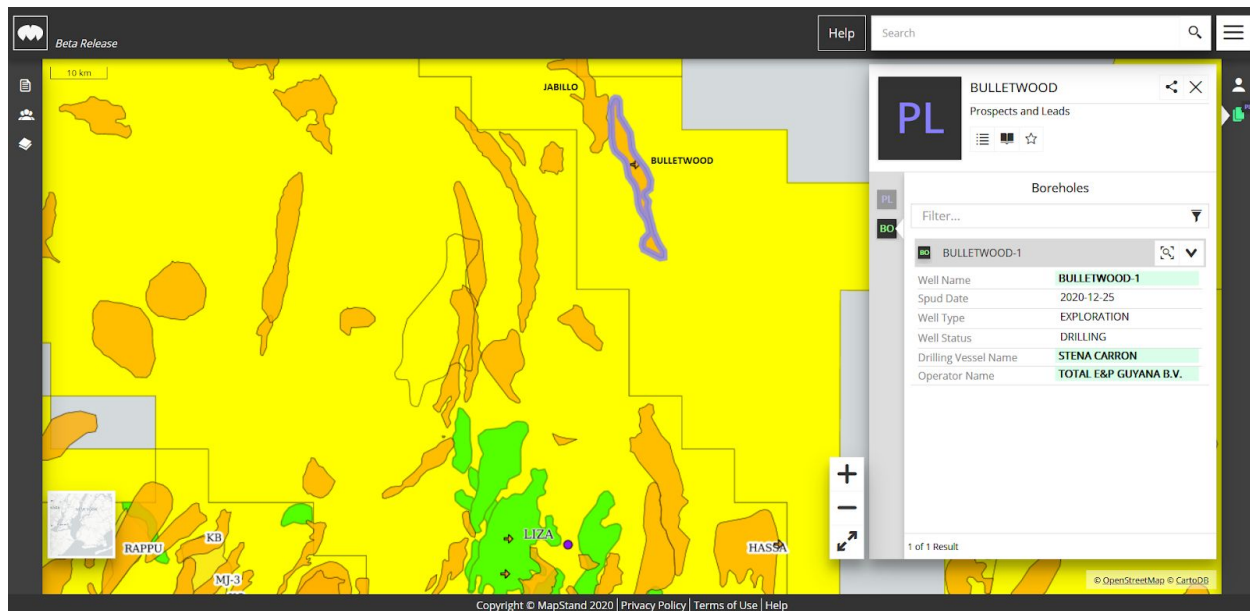


Bulletwood-1 spuds

Westmount Energy Limited has announced yesterday that the Bulletwood-1 exploration well, offshore Guyana was spud on 1st January 2021. The well, located in the Canje Block, is being drilled using the Stena Carron and is expected to complete on or before the 23rd February 2021.

Bulletwood-1 will target a 500 Mmbbl of oil in a Liza look-alike prospect within Campanian channel sand complex.

Canje is operated by Esso E&P Guyana (an ExxonMobil subsidiary) (35%) alongside partners Total (35%), JHI (17.5%) and Mid-Atlantic Oil and Gas Inc. (12.5%).

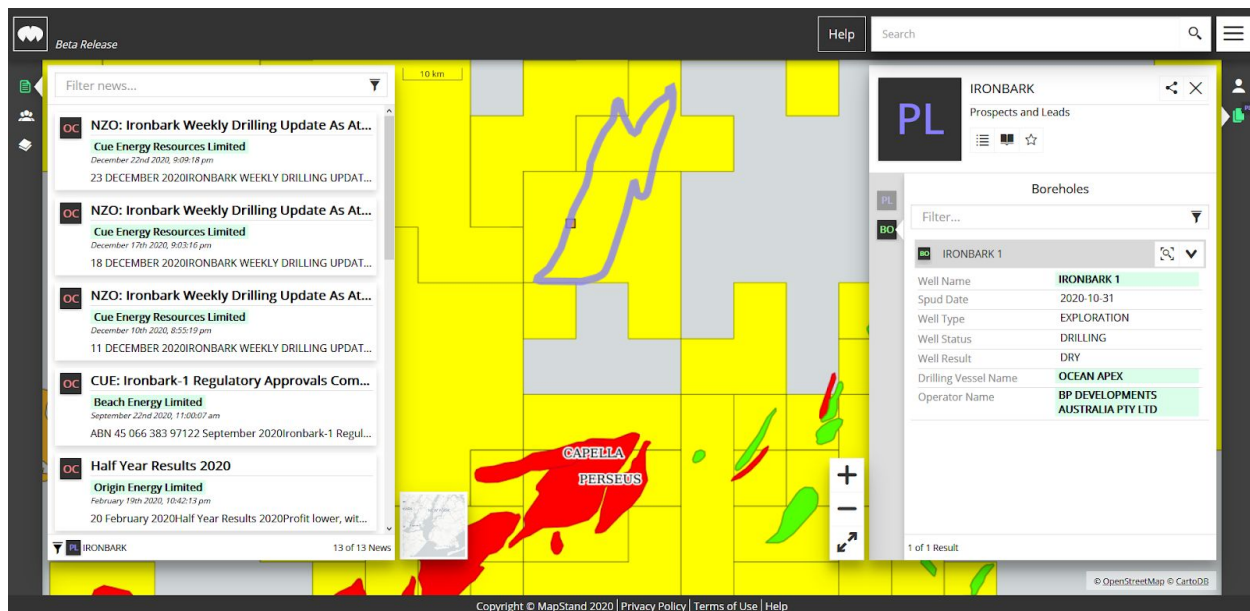


Australia

Ironbark-1 disappoints

Beach Energy has announced that the Ironbark-1 exploration well WA-359-P, offshore Western Australia was successfully drilled to a total depth of 5,618m(MD), intersecting the primary target of the Mungaroo Formation. No significant hydrocarbon shows were encountered in the target sandstones and well will be plugged and abandoned.

WA-359-P is operated by BP Developments Australia (42.5%) alongside Cue Energy Resources (21.5%), Beach Energy (21%) and New Zealand Oil & Gas (Ironbark) (15%).



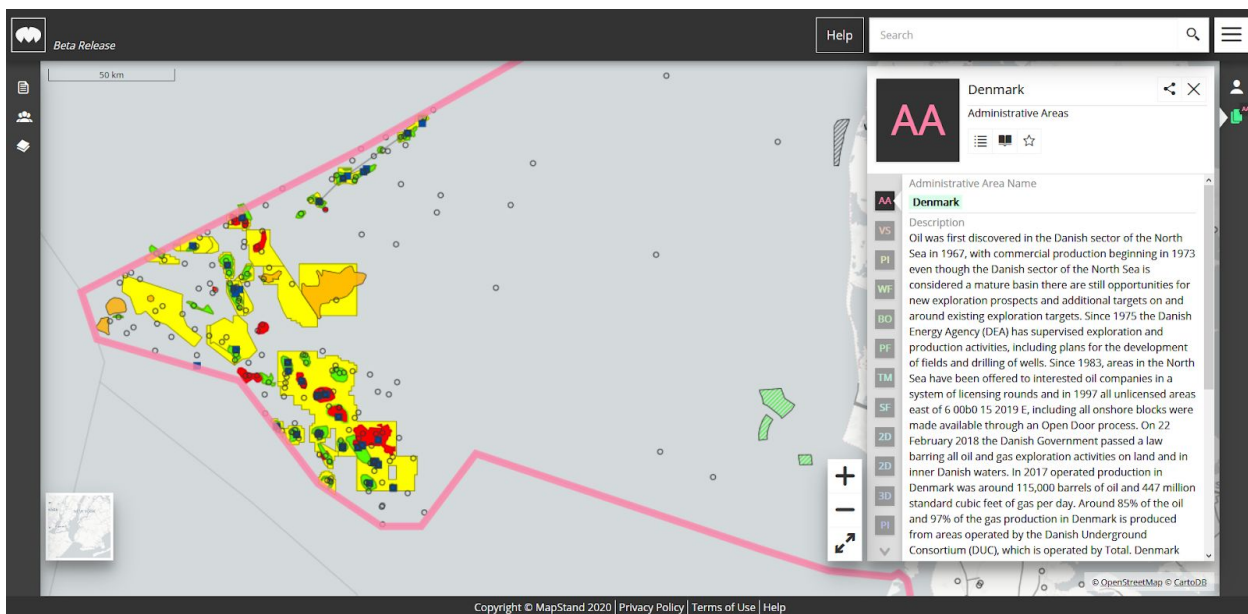
Energy Transition

Denmark to end all Oil and Gas E&P by 2050

In a landmark move, Denmark's government has announced an end to oil and gas exploration and production in the North Sea by 2050 alongside cancelling its latest licensing round.

Denmark has one of the most ambitious climate targets, planning to reduce emissions by 70% by 2030 and becoming climate neutral by 2050. The continued exploration and production of fossil fuels was seen to be a major limiting factor in reaching these targets and major action has been taken.

As seen with last week's Project Greensand announcement, there will be a significant refocus for oil and gas operators in the region, looking to repurpose existing oil and gas infrastructure to support the drive to net zero and climate neutrality through carbon capture storage, geothermal and hydrogen projects.

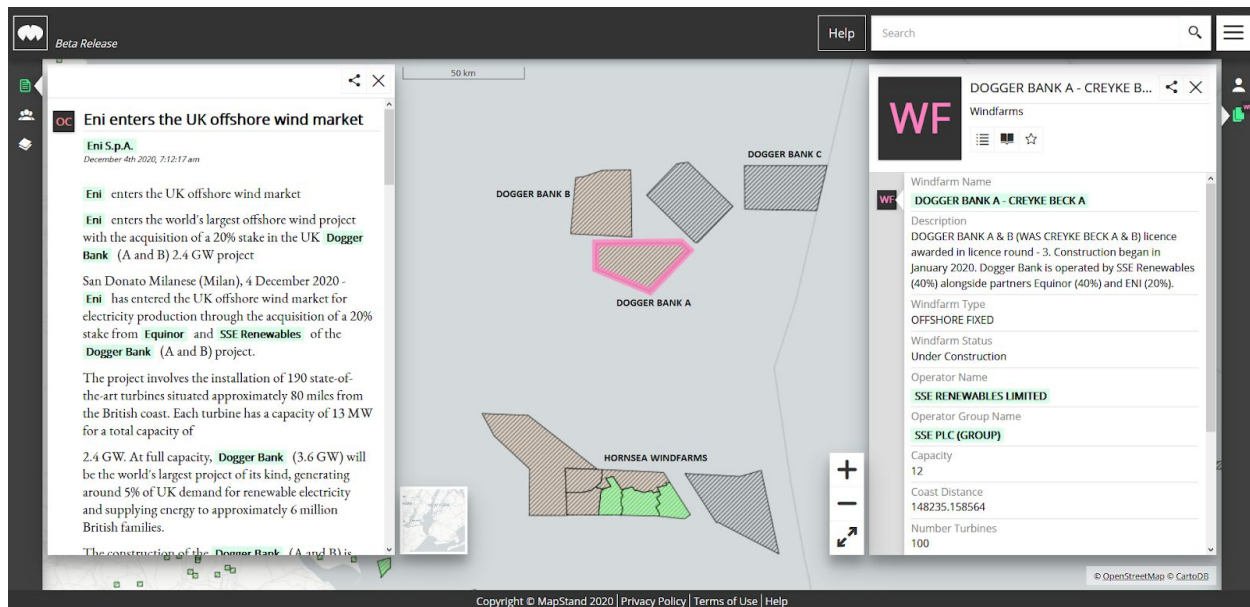


ENI acquires Dogger Bank stake

Eni is the latest super-major to advance its energy transition plans, entering the offshore wind market by acquiring a 20% stake in the world's largest offshore wind project, Dogger Bank.

Once fully operational, Dogger Bank A and B will produce a combined 2400Mw of power through its 190 13Mw turbines. Eni's share will see it add 480Mw of power to its target of 5Gw by 2025.

Eni will become a partner alongside current operator SSE Renewables (40%) and Equinor (40%). Dogger Bank C will remain as a partnership between SSE (50%) and Equinor (50%).



The world's largest Carbon Capture and Sequestration (CCS) project, Northern Lights has received final investment approval from the Norwegian Government. The project which is part of the larger full-scale CCS project called "Longship" is a joint venture between Total, Equinor and Shell.

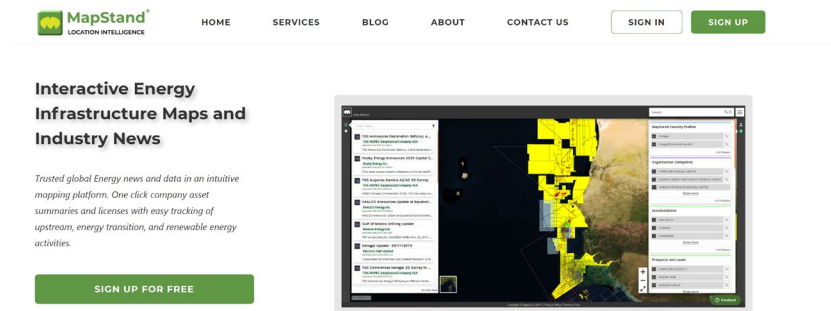
The project has the capacity to transport, inject and store up to 1.5 million tonnes of CO₂ per year. There are plans to increase capacity to 5 million tonnes per year through additional phases of development and an increasing customer base.



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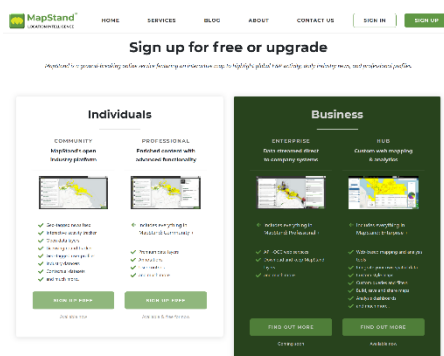
(oh and did we mention you can sign up for free....)



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