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The Clair Ridge project is developing new resources from the giant Clair Field, the largest oil field on Britain's continental shelf. The Clair field was discovered in 1977, but the difficult characteristics of the reservoir and the technological limitations of the time meant it was 2001, before BP and partners approved a development plan for the first phase of development. Phase one was put into circulation in 2005, covering around 300 million barrels of recoverable reserves. It was the first permanent marine facility to be installed in the western part of Shetland. North of Phase One is Clair Ridge, where BP targets 640 million barrels of recoverable resources. The multibillion-dollar investment includes two new bridge-connected platforms, which were completed in 2016. The first oil is expected to be mobilised and mobilised in 2018. By 2050, production capacity is projected to reach 120,000 barrels per day. BP, on behalf of co-venturers Shell, Chevron and ConocoPhillips, today announced the first oil production from the giant Clair Ridge project in the western Shetland region of offshore UK. Clair Ridge is the second phase of development of the Clair field, 75 kilometres west of Shetland. The field, which was discovered in 1977, has about seven billion barrels of hydrocarbons. The Clair Ridge project developed two new bridge-connected platforms and oil and gas export pipelines. The new facilities, which required capital investment in excess of £4.5 billion, are earmarked for 40 years of production. The project was designed to recover about 640 million barrels of oil from production expected to ramp up to a plateau peak of 120,000 barrels of oil per day. Bernard Looney, chief executive of BP Upstream, said: Start-up Clair Ridge is the culmination of decades of perseverance. Clair was the first discovery we made in western Shetland in 1977. But trying to access and produce seven billion barrels proved very difficult. We had to use our technology and ingenuity to successfully move on to the first phase of this development in 2005. And now, more than 40 years after its original discovery, we have the first oil from Clair Ridge, one of the largest recent investments in the UK. This is an important milestone for our upstream business and highlights BP's continued commitment to the North Sea region. Clair Ridge is the first offshore deployment of bp's improved oil recovery technology, LoSal®, which has the potential to increase oil recovery from reservoirs using reduced salinity water in water injection. This is expected to result in up to 40 million additional barrels being cost-effectively recovered over the entire development period. Ariel Flores, regional president of BP's North Sea, said: supply of the first oil from Ridge, in the toughest conditions at UKCS, is the result of years of planning and hard work by BP, our partners and supply chain colleagues. We are proud to have played our part in this pioneering project and look to the continued potential of the Clair region. In addition to the platforms, the Clair Ridge project also included new pipeline infrastructure along with the installation of a 5.5-kilometer, 22-inch oil export pipeline that was pulled into the Clair Phase 1 export pipeline. Clair oil is exported to the Sullom Voe terminal in Shetland. The project also installed a new 14.6-kilometre, six-digit pipeline connecting Clair Ridge to western Shetland Pipeline Systems (WOSPS). WOSPS transports gas from the west of Shetland to the Sullom Voe terminal. Clair Ridge also has an advanced oil rig that will provide a drilling program within a few years. There are 36 wells, two of which are used to tieback pre-drilled wells. The drilling program, which is likely to last more than 10 years, includes drilling and completion of development wells from the remaining 34 well slots. Dr Andy Samuel, Director General of the OGA Office, continues to see the west of Shetland as strategically important with considerable potential. Clair Field has more than 7 billion barrels in place and is expected to maintain production for many decades, with a significant range of further development phases. We welcome BP's continued commitment to MER UK. Oil & Gas UK Chief Executive Deirdre Michie added: The first oil in Clair Ridge represents an important milestone in BP's development west of Shetland, a border region that is likely to have the greatest potential to increase current production in the UK. It's very encouraging to see one of the original pool explorers using new, ambitious approaches and pioneering technologies to help drive a revival in production. This is another decisive step towards maximising the economic recovery from the basin. The start of Production of Clair Ridge comes after five other major Upstream projects were launched earlier in 2018: Atoll Phase One, offshore Egypt, Shah Deniz 2 gas development in Azerbaijan, TAAS expansion project in Russia, Western Flank B offshore Western Australia and Thunderhorse Northwest Expansion in the Gulf of Mexico. This string of changes will stem from seven major projects in 2017 and is key to delivering the 900,000 barrels of new oil equivalent that BP expects from new major upstream projects by 2021. BP (LON: BP) has revealed fresh images showing platforms for the Clair Ridge project west of Shetland. Two bridge-connected top modules have been available for almost two months. Good! Construction of Clair Ridge, 75 kilometres west of #Shetland is now complete. #NorthSeapic.twitter.com/8sP2QcOkow — BP United Kingdom (@BP\_UK) August 2, 2016 In early June, BP announced that it had completed the installation of both platforms and revealed plans to create more than 500 new north Sea jobs. The project includes the second phase of development of the Clair field, which lies 46 miles west of Shetland and has about eight billion barrels of oil. The first oil is expected at the end of 2017. Half of the oil leaked from the Husky Energy pipeline has now recovered These images show the area around oil major platform Clair BP in the wake of the oil spill. The photos were taken on a surveillance flight earlier this week. It comes as the North Sea operator said there were no visible signs of oil on the sea surface. The company has now conducted seven surveillance flights with more scheduled for today to assess the area. BP said satellite images of the area still suggest rapid and significant natural evaporation and dispersion. The spokesman said it would take water samples from the area on the surface and at different depths. He added that preliminary evaluation work, which concerns local populations of seabirds, cetacean and fish, showed that the impact of the release was likely to be minimal. A spokesman said: BP's oil spill and environmental experts continue to work closely with colleagues from Oil Spill Response Limited (OSRL), the Department for Business, Energy and Industrial Strategy (BEIS), as well as other agencies and the Scottish Government, to assess the potential environmental impact. It is considered that the most appropriate response remains to allow for further natural dispersion of crude oil at sea, but unforeseen measures have been prepared and made available. The total hit with safety alert on the North Sea Clair Ridge platform is the second stage of development of the Clair field located 75 km off the west coast of Shetland in the North Sea, United Kingdom. At the end of November 2018, it began producing oil. With an estimated production life of 40 years, the Clair ridge project's peak production capacity is expected to be 120,000 barrels of oil per day (bod). Construction on the 4.5 billion pound (\$5.7 billion) Clair Ridge development began after receiving development approval from the UK government in October 2011. The Clair Ridge development project is owned by BP (45.1%), Shell (28%), Chevron (19.4%) and ConocoPhillips (7.5%). The Clair offshore field was discovered in 1977 and is estimated to hold seven billion barrels of recoverable oil equivalent reserves. Sanctioned by the UK Government in 2001, the Clair phase one project was developed with a single production platform with a fixed production platform and related pipelines oil and gas. Introduced on stream in February 2005, produced 80 million barrels of oil by 2018. The first phase of Clair is expected to continue production until 2028. The Clair Ridge development project is located north of the first Clair phase project and aims to accumulate about 640 million barrels of oil reserves in the giant Clair field. Clair Ridge's development details of the Clair Ridge development include 26 oil production wells and ten water injector wells tied back to a fixed oil and production platform (DP) through three eight offshore manifold slots. The project also included the installation of quarters and a public utility platform (QU). Both platforms are supported by the foundations of a steel jacket at a water depth of 140m and are connected to each other by a bridge. The DP platform is supported by a 22,300t steel jacket, while the QU platform is supported by a 9000t steel jacket. BP uses its LoSal oil recovery technology at Clair Ridge to reduce salinity in water injection systems to improve oil recovery. The supply of oil and gas from Clair Ridge Petroleum produced by the Clair Ridge production platform is shipped over a 5.5 km long and 22 inch diameter new oil export pipeline connecting the existing oil export pipeline with the Clair Phase One project. The Clair oil export pipeline connects to the Sullom Voe terminal on land in Shetland. The gas produced from Clair Ridge is transmitted through a 14.6 km diameter gas with a diameter of 6 inches connecting the West Shetland Pipeline Systems (WOSPS), which also supplies gas to the Sullom Voe terminal. Contractors involved in the Clair Ridge AMEC development project were involved in conceptual engineering studies for the Clair Ridge project from 2008 to 2009. RDS, a subsidiary of KCA Deutag, received a drilling contract for the Clair Ridge development in August 2009. Aker Solutions received an engineering, procurement and construction (EPC) contract for the steel jackets of both offshore platforms for the Clair Ridge development project in July 2010, while topside was delivered by Hyundai Heavy Industries under a \$620 million contract. The contract for the installation of the jacket was awarded to Heerema Marine Contractors (HMC), which additionally commissioned Acteon to supply installation equipment, including the MENCK MHU 3500S hydraulic hammer with a capacity of 3500 K. In February 2012, subsea 7 received a contract for construction, procurement, construction and installation (EPCI) for new oil and gas export pipelines for the Clair Ridge project. Subsea 7 also provided and three manifold structures, two umbilical jumpers and tie-in spools for the Clair Ridge project. Emerson Emerson In May 2012, management received a \$23 million contract to supply automated integrated control systems for the Clair Ridge platform. Amec Foster Wheeler received an \$87 million contract for hook-up services and launch for two Clair Ridge platforms in March 2013. Cape also received a \$12.5 million contract to provide support services during the connection and launch of offshore platforms. MTU Friedrichshafen supplied power generation systems for Clair Ridge offshore platforms, while Nexan supplied halogen-free fire-resistant cables (HFFR), resistant to shocks, water and mud on Clair Ridge platforms. Oil & Gas Systems (OGS) has provided dosing packages for oil and gas fiscal measurements for the Clair Ridge project. MTE has provided heating, ventilation and air conditioning (HVAC) systems for living quarters on the Clair Ridge platform. Mojix has provided a passive radio frequency identification (RFID) solution for the Clair Ridge project throughout the area. 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