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Aker BP triggers contract bonanza with wave of Norway filings

Aker Solutions and Subsea 7 each raked in more than \$1 billion in contracts after Aker BP and its partners submitted 10 plans for development and operation and one plan for installation and operation to Norway's Ministry of Petroleum and Energy. In total, Aker BP and its partners expect to invest about NOK 203 billion (\$20.5 billion) to develop more than 1.12 Bboe of estimated gross recoverable resources.

The 11 projects, all operated by Aker BP, cover four different areas: Yggdrasil, formerly known as NOAKA; Valhall PWP and Fenris; Skarv; and Utsira High. The largest projects are the ones targeting the Yggdrasil, where Aker BP entered into agreements amounting to roughly NOK 50 billion.

For Yggdrasil, Aker Solutions will provide topsides and jackets for a processing platform, an unmanned wellhead platform and the subsea production system. Siemens Energy will provide electrical, instruments, control systems and telecommunications; Subsea 7 the subsea umbilicals, risers and flowlines; Aibel the topsides for an unmanned production platform; and Hitachi Energy the electrical equipment for the onshore facilities providing power from shore. [Read more...](#)

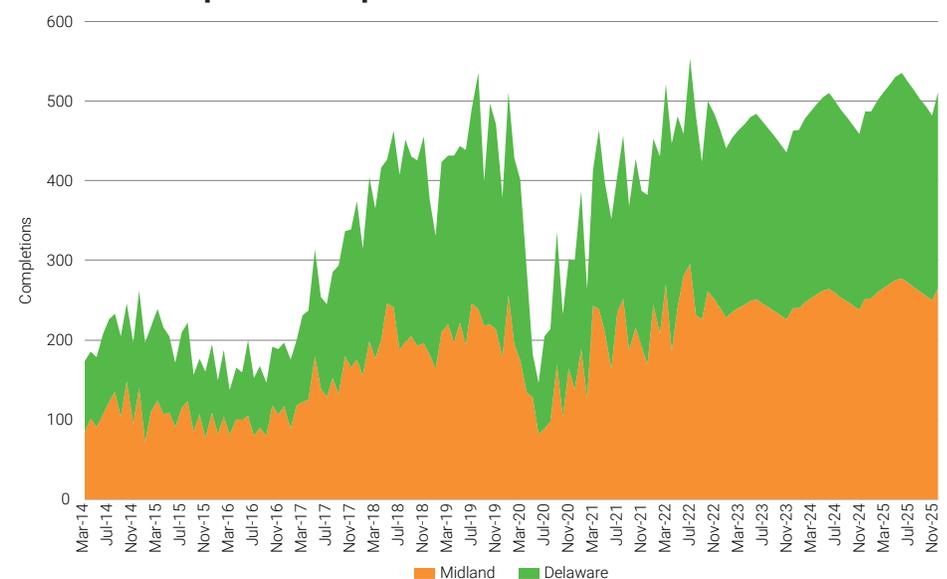
Frac capacity crunch putting the squeeze on Permian output

Permian Basin supply growth has failed to meet expectations in 2022, and the oilfield services sector bears some of the blame. A recent Enverus Intelligence® | Research study anticipates that these challenges will stretch throughout the near term. U.S. crude supply grew just 0.6 MMbo/d over 2022—almost all from the Permian—falling below EIR, EIA and others' projections early in 2022 of growth around 1 MMbo/d.

"Like many other forecasters, we have been surprised by the slow pace of supply growth in the U.S. through 2022 and attribute it to the degradation of average well performance in the Permian Basin as well as lagging oilfield service capacity. We think these headwinds in addition to Permian gas takeaway constraints will persist through 2023," said Chetan Sharma, EIR senior associate.

The lag in oilfield services capacity has been particularly acute on the completions side, where the supply of stacked equipment is meager compared to the drilling side. Much of the stacked frac equipment that remains is unmarketable as operators look to cut diesel costs and emissions. [Read more...](#)

Permian Completions Expected to be Flat YOY in 2023



Source | Enverus Intelligence® | Research 12/19/22 "U.S. Supply | Permian Plateau in Sight" [🔗](#)

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Contracts & Projects

ProPetro finds first e-frac client, then orders two more fleets

ProPetro Holding Corp. has secured its first customer for an electric-powered hydraulic fracturing fleet. Under the agreement with a leading independent Permian operator, ProPetro will provide committed services for a three-year period following the delivery of the e-frac fleet. The contracted equipment will be deployed primarily to support simul-frac operations and will initially utilize Tier IV dual-fuel equipment, transitioning to an e-fleet upon delivery, which is expected in 3Q23.

The Midland-based company also announced it has executed orders for two additional e-frac fleets with expected delivery in 4Q23, which will bring its total to four. These two orders announced on Dec. 6, in addition to the two orders placed this August, will be under a long-term lease agreement where ProPetro has an option to purchase each fleet at the end of its respective lease term.

"We are excited to equip our team with leading-edge technologies for the job of the future. That said, we will continue to do so in a disciplined manner as we begin to pivot investment away from conventional diesel equipment and towards a more relevant natural gas burning offering," ProPetro CEO Sam Sledge said.

Technip to provide furnaces for CPChem-Qatar cracker in Texas

Technip Energies secured a contract for the supply of proprietary cracking furnaces for the 2 mtpa ethane cracker at the Golden Triangle Polymers project along the Gulf Coast in Orange, Texas. Awarded by a JV of Chevron Phillips Chemical and QatarEnergy, this is Technip's second large contract in Q4 for cracking furnaces and represents more than €250 million (\$265 million) of revenue for the company.

The modularized cracking furnaces will feature seven of the largest capacity furnace units Technip has ever designed. The cracker is designed using modern emissions reduction technology and processes that result in lower greenhouse gas emissions than similar facilities in the U.S. and Europe. Golden Triangle Polymers, a new \$8.5 billion integrated polymers facility is expected to begin operations in 2026 with two 1 mtpa high-density polyethylene units. Paris-based Technip credited its early engagement strategy with CPChem and QatarEnergy for the award, saying the strategy led to the selection of its proprietary ethylene technology and includes the successful completion of the ethylene license and process design package.

In October, Technip received a contract in the €250-500 million range to supply proprietary equipment for a 1.45 mtpa ethane cracker at Ineos' Project One olefins complex in Antwerp, Belgium. For the Antwerp project, Technip said it will provide carbon capture-ready, modularized furnaces designed to use fuel blends with high hydrogen content and eventually transition to 100% hydrogen, a byproduct of the ethane cracking process.



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Technip Energies will no longer report to SEC

DeepOcean's run of awards gives it needed backlog visibility

Oslo-based DeepOcean received substantial contracts from Equinor, ConocoPhillips and BP worth a total of NOK 2 billion (\$200 million), a wave of work that the ocean services provider said will allow it to fund new technology. The awards involve subsea inspection, maintenance and repair, subsea construction, removal and recycling of subsea equipment, and subsea survey scopes in the North Sea region until YE26.

"In recent years, future workload visibility has been limited in our industry. We are therefore pleased to see that the market is changing. A solid long-term order backlog will enable us to continue accelerating our ongoing technology initiatives," said Rolf Ivar Sørđal, DeepOcean's commercial director in Europe. DeepOcean's technology initiatives include construction of an unmanned surface vehicle, use of subsea autonomous inspection drones, and making the onshore remote operations center an integral part of offshore operations.

Northern Ocean raises cash after Total hires its inactive rig

Four days after one of Northern Ocean Ltd.'s two rigs started a new contract, the other, the Deepsea Mira, has agreed to a multi-country drilling project for TotalEnergies. To reactivate the rig, Northern Ocean raised \$45 million through a private placement of new shares.

The Total contract should begin in mid-2Q23 with initial work in Namibia and has an estimated firm duration of 300 days, plus options of 180 days and 90 days. The contract adds \$135 million of firm revenue backlog for Northern Ocean. Odfjell Drilling provides marketing and management services for the Mira and has already begun reactivation activities and mobilization preparation for the high-spec semisubmersible.

The Deepsea Mira has been inactive since 2021, when Wintershall Dea canceled its contract after an equipment failure. Then called the West Mira and operated by Seadrill, the rig was lowering a Christmas tree when the winch wire snapped, dropping the tree more than 350 meters to the floor of the North Sea.

The private placement allocated subscriptions for just over 47 million offer shares at a subscription price of NOK 9.50 per share, raising roughly \$45 million in gross proceeds. Hemen Holding, the holding company of shipping billionaire John Fredriksen, participated to maintain its stake in NOL around 39%.

NOL and its two rigs, the Deepsea Bollsta and the Deepsea Mira, were spun off from Northern Drilling Ltd. in 2019. Odfjell took over rig management and marketing services in Q1, replacing Seadrill, also a Hemen-controlled company.

The Deepsea Bollsta, one of Northern Ocean's two drilling rigs, commenced a contract with Shell after it safely completed the transit to Namibia from warm stack in Norway. The Namibia award has a firm duration of 12 months, valued at \$124 million in backlog, plus an option to extend the contract for six months. Odfjell Drilling prepared the high-spec semisubmersible for the contract and will provide operations management.

Contracts & Projects

OFS majors among winners of \$11B in Aramco procurement deals

Saudi Aramco has signed 59 corporate procurement agreements valued at \$11 billion with 51 local and global manufacturers. While the agreements were part of Aramco's In-Kingdom Total Value Add program to boost Saudi Arabia's economy, recipients included global giants Baker Hughes, Halliburton, SLB and TechnipFMC.

The contracts cover multiple strategic commodities, such as drilling chemicals, wellheads, switchgears, vibration monitoring systems, pipes, compressors, structure steel, fittings and flanges, and air-cooled heat exchangers. Aramco did not announce financial terms or specify which companies will provide what commodities.

The agreements aim to create a framework for mutual collaboration toward establishing a world-class supply chain in Saudi Arabia. Suppliers agreed to establish local facilities, transfer technology, perform local research and development, and develop the local workforce and supply chain, while gaining preferred status with Aramco and its JVs and affiliates.

Saipem locks up \$1.2B in subsea work off Guyana & Egypt

Saipem received two new subsea contracts totaling \$1.2 billion. One of the awards is the latest in a series related to ExxonMobil's oil and gas developments off Guyana. The other is an umbilicals contract from Petrobel, a subsidiary of Egyptian General Petroleum Corp., for Zohr field in the deepwater Nile Delta Basin.

The Exxon contract covers the design, fabrication and installation of subsea structures, risers, flowlines and umbilicals for a large subsea production facility at the Uaru oil field. The field lies in water depth around 2,000 meters on the prolific Stabroek block. Saipem will start detailed engineering and procurement and some other limited activities after Uaru receives necessary government approvals, project sanction by Stabroek partners Exxon, Hess and CNOOC, and an authorization to proceed with the final phase. Government approvals are expected in early 2023.

Operations will be performed using Saipem's FDS2 and Constellation vessels. The Italy-based engineering firm was previously awarded the other four subsea contracts from Exxon for developments on Stabroek: Liza Phases 1 and 2, Payara and Yellowtail. Modec received the FEED contract for the Uaru FPSO in November.

The Petrobel contract covers transportation, installation and pre-commissioning of 170 km of umbilicals, which will be transported and installed between Zohr's central control platform, at water depth of 70 meters, and the existing subsea production systems at 1,500 meters. The offshore campaign is planned to start during 3Q23.

Transocean takes drillship out of stack amid \$1B in contracts

Transocean Ltd. added \$1.04 billion in firm backlog at it signed contracts for two ultra-deepwater drillships, the Deepwater Corcovado and the Deepwater Orion, for work off Brazil. The contract driller said Dec. 7 that the contracts came from a "national oil company"—most assuredly Petrobras. Transocean had confirmed in early November that the two rigs had won the latest Petrobras pool tender.

The Deepwater Orion has been stacked since October 2019. Its three-year contract contributes an estimated \$456 million in backlog, which works out to a day rate of \$416,000. The Orion is expected to commence work during 4Q23.

Transocean CEO Jeremy Thigpen has said decisions to reactivate stacked rigs would be made on a case-by-case basis. "As the supply of high-specification floaters remains extremely limited, we anticipate there will be more opportunities to begin reactivating our cold-stacked fleet," he said during a Nov. 3 earnings call.

The Deepwater Corcovado was awarded a four-year contract, which contributes an estimated \$583 million in backlog and is expected to begin in 3Q23 in direct continuation of the rig's current contract. The firm backlog comes to a day rate of \$399,000, more than double the \$198,000 that Petrobras has been paying for the drillship since December 2019. Transocean's backlog as of October's fleet status report was \$7.3 billion.

■ Aquadrill LLC will provide its drillship Vela to Diamond Offshore Drilling for an extended charter hire agreement in the Gulf of Mexico. The contract will have a 150-day duration and a total expected value of \$60 million. It comes in addition to a 225-day contract plus options that the Vela already has with Diamond Offshore in the GOM, which was signed in August and starts in mid-January. After drilling the first well, the Vela will move to the 150-day assignment. It should return to the previous contract in August 2023.

■ CGG sold its U.S. land seismic multiclient library for \$63 million to Houston-based Bon Ton Seismic LLC, which was established in November. The library encompasses about 20,000 sq miles of 3D seismic data. The sale was part of a portfolio review the France-based company started in 2018, CGG CEO Sophie Zurquiyah said, adding that the company will focus on key offshore hydrocarbon basins, CCUS, mining and digital operations.

■ Neptune Energy's Norwegian subsidiary extended its contract for use of the Deepsea Yantai semisubmersible rig to drill two more firm wells. The Deepsea Yantai is owned by Hong Kong platform builder CIMC Offshore and managed by Odfjell Drilling. The extension plus earlier backlog will keep the Deepsea Yantai active until the beginning of 2Q24. Financial terms were not disclosed. The scope of the work is estimated to take 60 days and will start after two wells contracted by Neptune in October.

■ Houston-based seismic equipment manufacturer Geospace Technologies Corp. secured a rental contract with an international marine geophysical services provider that will rent Geospace's OBX shallow-water ocean-bottom wireless seismic data acquisition nodes. Based on current contract terms, the value of the agreement is estimated at \$9 million. President and CEO Walter Wheeler said Geospace's ocean-bottom node offerings "continue to dominate the market and experience high demand" and its rental fleet has "benefited from our OBX series products' deployment simplicity combined with high quality and trusted reliability."

Contracts & Projects

CGG reprocessing OBN survey of key Norwegian oil fields

CGG is reprocessing the 2,000-sq-km Utsira ocean-bottom node seismic survey, the largest ultra-high resolution OBN survey conducted in the North Sea. Located in Norwegian waters, the Utsira area holds several significant fields, including Edvard Grieg, Ivar Aasen, Balder, Gina Krog, Gudrun and Johan Sverdrup, along with a number of undeveloped discoveries and prospects. The reprocessing project has significant industry support and leverages strong demand for high-definition seismic imaging in this highly prospective area, CGG said.

Will deliver a priority area in 3Q23 & final data for complete survey in 2024.

The project, which started in November, will deliver a priority area in 3Q23 and final data for the complete survey in 2024. CGG will partner with Carbon Transition “to expand our multiclient footprint and deliver a dataset that will be of significant value for production, development, and further near-field exploration in a prolific area of the North Sea,” CGG earth data EVP Dechun Lin said.

The reprocessing project will apply the latest advances in OBN processing and imaging technology, including time-lag full-waveform inversion, which will significantly improve the velocity model, overall image resolution and frequency content for fault interpretation and reservoir characterization workflows, CGG said. The goal is for the reprocessed product to better assist clients with existing petroleum production and reservoir management.

Shawcor racks up pipe coating jobs in South America

Toronto-based Shawcor Ltd.’s pipe coating division, Pipeline Performance Group, secured project commitments from South America that total more than C\$200 million (\$147 million). “These commitments are a further indication of accelerating offshore activity, especially in deepwater, which our global network of coating and insulation facilities is well positioned to support,” PPG president Kevin Reizer said. “With these project awards, PPG now has visibility of elevated activity levels well into 2024.”

Saipem issued an LOI to Shawcor for a deepwater development project in South America. The company anticipates that it will receive a formal contract in 1H23, subject to project sanction and the necessary government authorizations. Shawcor will provide thermal insulation and anti-corrosion coating services to the project, which is expected to begin in 4Q23, from a Western Hemisphere facility.

Two binding LOIs and two purchase orders cover the provision of insulation coating services on four Brazilian offshore projects. One of the projects will utilize Shawcor’s proprietary Ultra technology, being deployed for the second time on offshore Brazilian pipelines. Coating activity will begin in 1H23 and is expected to be completed by YE24. All four projects have already been sanctioned, and Shawcor’s official purchase orders and notices to proceed for the two projects under LOI are expected to be received during 1H23.

Shawcor also completed the sale of its Socotherm Americas subsidiary in Argentina to Patagonia Shale Services, a privately owned Argentine company, for an undisclosed amount. Socotherm Americas delivers external and internal anti-corrosion coating and thermal insulation coating to the Argentine and regional pipeline and oilfield tubular markets.

Closed sale of Socotherm Americas unit in Argentina to Patagonia Shale Services.



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Shawcor sells downhole business as it de-emphasizes oilpatch

■ Decommissioning specialist Liberty Industrial Ltd. received a contract from JV company Repsol Sinopec Resources UK Ltd. for the decontamination, demolition and site remediation of Nigg oil terminal in Scotland. The terminal was commissioned in 1981 by the British National Oil Corp. Planning and engineering work is beginning in December, with decommissioning activity commencing in 2023 and expected to continue until 2025. The site will be handed back to leaseholder Global Energy Group by YE25.

■ Petrofac received a lump-sum EPC contract from ADNOC to reduce emissions at a gas plant in the UAE. Under the agreement, Petrofac’s Asset Solutions business will design and install facilities to optimize operations and reduce methane and greenhouse gas emissions at the Habshan gas processing complex, located 150 km southwest of Abu Dhabi. Financial terms were not disclosed. This award follows a September announcement that Petrofac will continue to support ADNOC’s operations at the Haliba oil field.

■ PGS secured prefunding to expand multiclient 3D coverage in the prolific Sabah region off Malaysia with a sixth survey phase that will cover around 3,500 sq km. The Ramform Sovereign seismic vessel should start acquisition in January and is expected to complete the phase in March. The first phase commenced in 2016, and since then more than 47,000 sq km of high-quality 3D data has been acquired. PGS noted that it announces contract awards and multiclient projects when they are valued at \$10 million or more and, for multiclient surveys, will take at least two months.

■ Prosafe signed a \$73 million contract for provision of its Safe Zephyrus semisubmersible to Petrobras for safety and maintenance support off Brazil. With a firm period of 650 days, the contract value comes to roughly \$122,500 per day. The Safe Zephyrus heads for Brazil soon after conclusion of its current contract in the North Sea in mid-December, starting work for Petrobras on May 1.



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