

Saudi Aramco allows sneak peek into its finances



The world's focus, not surprisingly, has been on Saudi Aramco's \$111bn of net income recorded in 2018, making it the most profitable company in the world. But elements of the upstream story were largely ignored.

For example, the prospectus showed the company's largest oilfield, Ghawar, undershooting what many had thought was its current capacity of around 5mn bl/d, instead coming in at 3.8mn bl/d.

Ghawar has contributed about half of the estimated 150bn barrels of crude that Saudi Arabia has produced to date. Without doubt, Ghawar is an enormous field. Its remaining reserves are put at 48bn bl, so there is still a lot of oil out there, but it will get harder to recover, and require substantive expenditure.

Aramco is developing new fields to plug depletion, with half a dozen expected to come on stream by 2026 – adding an extra 1.25mn bl/d, according to data from consultancy Energy Aspects. Its co-founder Richard Mallinson emphasises that future upstream development is designed to keep things steady “at current capacity levels...Aramco is not talking, as it has

done in the past, about possibly raising potential capacity from 12mn bl/d to 15mn bl/d.”

Still, Aramco is not giving up on Ghawar anytime soon. The prospectus says field facilities and infrastructure there remain a central component in the company’s long-term strategic framework.

“The scope of the utilisation and maintenance of the established infrastructure has expanded to be a hub for development of secondary reservoirs and satellite fields,” says the prospectus.

The prospectus also shows how it has boosted production at other fields. At Shaybah in the south of the kingdom, and at the offshore Safaniyah field in the Gulf, Aramco reported production was close to double earlier Western estimates. At the Khurais field, near Ghawar in the east of the country, a “mega-project that started in 2009 with initial capacity of 1.2mn bl/d, has hoisted production to 1.5mn bl.” In 2018, Aramco produced 13.6mn bl/d of oil, including 10.3mn bl/d of crude.

Half a century of reserves

Overall, Aramco’s reserves come in at a similar level to an independent audit published earlier this year: 261.5bn bl of crude and condensate, sufficient for proved reserves life of 54 years, “significantly longer than the 9 to 15 year proved reserves life of any of the five major IOCs based on publicly available information”, claims the prospectus. The document also records 36.1bn bl of NGLs and 233.8tn ft³ of natural gas.

Another scarcely mentioned disclosure in the prospectus was Aramco’s shift to lighter-grade oil, in terms of projects that have come on line, and new ones in the pipeline. The question now is the extent to which Aramco can match this type of product to demand in the marketplace. The move to lighter is

good in terms of petrochemical demand and positive when gasoline/diesel demand is strong.

The prospectus flags Aramco's rock-bottom cost of production based on a comparison of data of the five major IOCs and other leading oil and gas companies. The company's "average upstream lifting cost was \$2.80/bl" of oil equivalent produced in 2018. Revenue from upstream operations stood at around \$217bn, while downstream revenue was \$139bn. It had \$86bn in free cash flow at the end of 2018, with minimal debt.

But all that glistens is not gold. Aramco may be the world's most profitable oil company, producing more than 10pc of global crude, but the prospectus shows the state's reliance on the company means it generates less per barrel than privately-owned competitors. Riyadh relied on the oil sector for 63pc of its total revenue in 2017, according to the prospectus. In 2018, Aramco paid about \$160bn to the government in dividends, taxes and royalties.

Top credit rating

The transfer of funds from Aramco to the kingdom meant the oil company made about \$26/bl last year, compared with \$38/bl for Shell and \$31/bl for Total. That's why Moody's and Fitch assigned the company ratings of A1 and A+, respectively, arguing the government's reliance on the oil producer to fund its budget acted as a cap on its creditworthiness. ExxonMobil is rated AAA by Moody's.

The linkage between the state and company is an important one in the debate about whether Riyadh really does intend to float a minority stake in Aramco in 2021. Investors worry about the government's control over the oil giant and whether future decisions will be made for the benefit of the state or shareholders.

Andy Critchlow of S&P Global Platts says "investors may be

cautious about an IPO because of uncertainty linked to sovereign risk and the kingdom's future potential financing needs [particularly if prices crash due to a swifter switch to green technologies]".

In the interim, the company is shoring up its defences in an uncertain world. It plans to double its refining network, mostly outside the country. The idea is to feed about 50pc of its oil into its fully-owned or joint-venture refineries, making it the largest consumer of its own crude. The prospectus states categorically that refinery expansion was a means "to secure crude oil demand by selling to its captive system" of refineries.

Also revealed is the way Aramco ensures it always has enough spare capacity up its sleeve. The aim is to have "the average maximum number of barrels per day of crude oil (MSC) that can be produced for one year during any future planning period".

Sovereign wealth boost

As of 31 December 2018, MSC stood at 12mn bl/d of crude. Spare capacity afforded by maintaining MSC enables the company "to increase production above planned levels rapidly in response to changes in global crude oil supply and demand".

Saudi Arabia is drawing on Aramco's cash to bolster its sovereign wealth fund to develop new industries to break the kingdom's reliance on oil. It is also trying to extract more profit from the crude it pumps by turning it into gasoline and diesel, as well as plastics and other materials used in consumer goods. The \$69bn purchase of Sabic was a case in point and a major factor behind the bond offering.

The aim is to provide more cash for the Public Investment Fund, the kingdom's sovereign wealth fund, to invest both internally and overseas to wean Saudi off its addiction to fossil fuels. It is a race against time as the bond prospectus

indirectly acknowledges via its references to risk factors that span climate change, among others. And that raises, once again, the issue of an IPO down the line in which the Saudis would like to raise a cool \$100bn.

A listing may be better sooner than later if you believe in the relentless switch to cleaner fuel sources. That said, traders are wondering whether Aramco and Riyadh really need the money.

After all, have they not demonstrated how easily they can tap the bond markets for credit?

Scott Modell, head of geopolitical risk at Washington-based consultancy Rapidan Energy, disagrees with this thesis. "An IPO is necessary [otherwise MBS's] ambitious Vision 2030 programme designed to reduce oil dependence [could end up becoming] Vision 2130," he says. "And for that reason, the IPO [postponed last year] is certainly back on the table."

Trump talks to Saudi crown prince on Iran, oil



(Reuters) – U.S. President Donald Trump spoke on Friday to Saudi Crown Prince Mohammed bin Salman about Middle East stability and the oil market, the White House said, after tensions with Iran prompted a rise in oil prices.

“The two leaders discussed Saudi Arabia’s critical role in ensuring stability in the Middle East and in the global oil market. They also discussed the threat posed by the Iranian regime’s escalatory behavior,” White House spokesman Hogan Gidley said in a statement.

The phone call took place in the wake of Iran’s shooting down of an unmanned U.S. drone in the Gulf region, which prompted Trump to prepare but ultimately hold back from launching a retaliatory attack.

There was no word from the White House statement on whether Trump raised with the crown prince the death last October of Saudi journalist Jamal Khashoggi.

A 100-page report by the U.N. special rapporteur on

extrajudicial executions, Agnes Callamard, earlier this week accused Saudi Arabia of a “deliberate, premeditated execution” and said the crown prince should be investigated for it.

(Reporting by Steve Holland; Writing by Doina Chiacu; Editing by David Alexander and James Dalgleish)

IEEFA report: Advances in electricity storage suggest rapid disruption of U.S. electricity sector



**Institute for Energy Economics
and Financial Analysis**
IEEFA.org

June 14, 2019 (IEEFA) – Momentum is gaining around an industry shift toward utility-scale battery storage systems nationally, finds a report published today by the Institute for Energy Economics and Financial Analysis (IEEFA).

The report – Advances in Electricity Storage Suggest Rapid Disruption of U.S. Electricity Sector –details upstart

storage and storage-expansion projects in Arizona, California, Hawaii, Florida, Massachusetts, New Hampshire, Nevada, Texas, and Vermont.

Dennis Wamsted, an IEEFA editor/analyst and lead author of the report, said recent evidence of utility-scale storage adoption is most likely the beginning of a trend that will take hold broadly across the industry, benefitting renewables at the expense of gas- and coal-fired plants.

“Bigger changes loom,” Wamsted said. “In the many examples we researched, each project, by and large was driven by one of several value streams—cutting transmission charges, providing grid resilience, offering peak power, allowing for early plant closures and the like—even if other benefits were accrued too.”

The report details dozens of examples of electric companies large and small finding an assortment of cost savings in electricity-storage technology and portability.

“Installation is still tiny in terms of absolute numbers, but power storage is now ubiquitous and energy storage is no longer a pie-in-the sky proposition,” Wamsted said. “These changes are taking place today.”

Excerpts from the report:

- Battery storage in combination with solar can be used to facilitate closure of coal and natural gas plants currently being used largely for peaking or seasonal needs, as shown by the NV Energy decision to close the North Valmy coal plant in Nevada, and by Florida Power and Light’s’s plan to shut two aging natural gas units in Florida.
- Battery storage can be used to meet system peak needs, as SCE is doing in California in replacing the two-unit Mandalay natural gas peaker plant.
- Battery storage can be used to provide firm renewable

power, as both Arizona Public Service and Hawaiian Electric are demonstrating with projects they have named, respectively, “Solar after Sunset” and “Renewable Dispatchable Generation.”

- Battery storage offers utilities significant opportunities to boost system resilience and cut costs at the same time, as is being demonstrated in a number of other projects highlighted in the report.
- Battery storage can be used to enable more residential solar systems to be installed on local distribution lines without requiring potentially costly and time-consuming system upgrades, as can be seen in an existing program in Vermont and in one being proposed in New Hampshire.
- Battery storage can be used to improve the economics of existing utility-scale solar generation, as can be seen in the discussion about Vistra’s battery storage retrofit at a Texas PV plant.

Wamsted said economies of scale will help drive the expansion of utility-scale battery storage, as will a growing recognition by utility companies of the business case for embracing the shift: “It is likely that developers and utilities will be able to stack these benefits, making storage even more economically competitive.”

Full report: Advances in Electricity Storage Suggest Rapid Disruption of U.S. Electricity Sector

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About IEEFA

The Institute for Energy Economics and Financial Analysis (IEEFA) conducts global research and analyses on financial and economic issues related to energy and the environment. The Institute's mission is to accelerate the transition to a diverse, sustainable and profitable energy economy.

Large Exxon Shareholder Starts Divesting Over Climate Change



(Bloomberg) – One of Britain's biggest fund managers started selling shares in Exxon Mobil Corp., saying America's largest oil company isn't doing enough to address climate change.

Legal & General Investment Management, which oversees about

\$1.3 trillion and is one of Exxon's top 20 shareholders, said some of its funds have already divested from the company and will ask its clients if it can withdraw more money.

The global oil industry has become increasingly unfashionable for investors as the transition away from fossil fuels raises doubts about its long-term future. Energy stocks currently make up 5% of the S&P 500 Index, down from 13% a decade ago.

The divestment affects a small portion of Exxon's equity – Legal & General owns about 0.6% of the company, and the divesting funds hold just a fraction of that – but it intensifies pressure on the Texas firm, once the world's largest public company. It will also be a fillip for campaigners who want investors to divest from the most polluting companies.

Divestment is a way to “hold Exxon accountable for something that's really material for their future,” said Meryam Omi, head of sustainability at Legal & General Investment Management. “People in the street who have their own pension that's going to mature in 30 years time don't get a chance to talk to Exxon themselves.”

Exxon is the only oil major Legal & General is divesting, as competitors including Chevron Corp. and Royal Dutch Shell Plc meet or exceed the insurer's basic standards on climate change action. It would also use its remaining shareholding in the company to vote next year against the reappointment of the chairman, a role currently held by Chief Executive Officer Darren Woods.

Exxon is the largest of 11 companies that Legal & General said it will exclude from its “Future World” funds because of climate change risk. Others include MetLife Inc., Subaru Corp., Hormel Foods Corp., Sysco Corp. and Rosneft PJSC. Two companies it withdrew capital from last year for the same reason, Occidental Petroleum Corp. and Dominion Energy Inc.,

will be added back to the funds because they addressed concerns raised by the insurer.

While standards differ by sector, Legal & General said it expects oil and gas companies to set targets to cut pollution in their own operations as a bare minimum. It also wants the company to disclose the volume of greenhouse gas emissions its operations and customers are responsible for each year.

“We’re on track to meet greenhouse gas reduction measures we announced last year which are expected to help significantly to improve emissions performance,” Exxon spokesman Scott Silvestri said in an email. “They include a 15% decrease in methane emissions and a 25% reduction in flaring by 2020.”

Exxon already publishes an annual tally of emissions from its operations and is “providing solutions to consumers to help them reduce their emissions,” Silvestri wrote.

Legal & General declined to disclose the exact value of its divestment from the oil company. At the end of March, the stock made up 0.7% of one of the asset manager’s funds, according to its website. The overall value of that fund at the time was about 4.4 billion pounds (\$5.5 billion), suggesting the Exxon stake was worth more than \$350 million.

Several other companies are “on the cusp” of divestment when it comes to climate action, according to Sacha Sadan, the director of corporate governance at the insurer’s investment unit, without saying which ones. And even those that were named as particularly strong on sustainability compared to their peers, such as Equinor ASA and French bank BNP Paribas SA, will be expected to continuously move their businesses away from polluting activities or risk being divested.

“This engagement is not about picking up the laggards, it’s about pushing up the whole industry,” said Omi. “We need to keep the pressure on.”

Returns at Legal & General's Future World funds will suffer very little as a result of the divestments, Omi said. The difference between what the funds would return without divesting and what they will return otherwise, which she called a "tracking error," will be less than 0.3%.

The insurer is hoping to convince all clients to follow its advice around companies lagging in climate action, partly by demonstrating it doesn't sacrifice returns. That could lead to further capital outflows.

A campaigner at ShareAction, a London non-profit that helps investors engage with companies on climate change and other issues, said the move could also inspire other asset managers to reconsider their holdings.

"We expect this to signal to markets the huge risk of investment inaction on the climate emergency ahead of us," Jeanne Martin, senior campaigns officer at ShareAction, said.

Veering away from companies that are performing well is a major departure from its peers and Legal & General's own past. The insurer has held Exxon stock for about 20 years, and it's the asset manager's seventh-largest equity holding overall, worth about \$2 billion at the end of March. Since the day it started its investment in Exxon, the shares have returned 200% in total, according to data compiled by Bloomberg.

(Updates with an estimate of divestment value in 11th paragraph.)

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European Council conclusions on the MFF, climate change, disinformation and hybrid threats, external relations, enlargement and the European Semester, 20 June 2019



II. Multiannual financial framework

2. The European Council welcomed the work done under the Romanian Presidency and took note of the various elements of the MFF package. It called on Finland's Presidency to pursue the work and to develop the Negotiating Box. On that basis the

European Council will hold an exchange of views in October 2019, aiming for an agreement before the end of the year.

III. Climate change

3. The European Council emphasises the importance of the United Nations Secretary General's Climate Action Summit in September for stepping up global climate action so as to achieve the objective of the Paris Agreement, including by pursuing efforts to limit the temperature increase to 1.5°C above pre-industrial levels. It welcomes the active involvement of Member States and the Commission in the preparations.

4. Following the sectoral discussions held over recent months, the European Council invites the Council and the Commission to advance work on the conditions, the incentives and the enabling framework to be put in place so as to ensure a transition to a climate-neutral EU in line with the Paris Agreement [1] that will preserve European competitiveness, be just and socially balanced, take account of Member States' national circumstances and respect their right to decide on their own energy mix, while building on the measures already agreed to achieve the 2030 reduction target. The European Council will finalise its guidance before the end of the year with a view to the adoption and submission of the EU's long-term strategy to the UNFCCC in early 2020. In this context, the European Council invites the European Investment Bank to step up its activities in support of climate action.

5. The EU and its Member States remain committed to scaling up the mobilisation of international climate finance from a wide variety of private and public sources and to working towards a timely, well-managed and successful replenishment process for the Green Climate Fund.

IV. Disinformation and hybrid threats

6. Further to the Presidency report and the contributions from the Commission and the High Representative on lessons learnt with regard to disinformation and securing free and fair elections, the European Council calls for sustained efforts to raise awareness, increase preparedness and strengthen the resilience of our democracies to disinformation. It welcomes the Commission's intention to conduct an in-depth evaluation of the implementation of commitments undertaken by online platforms and other signatories under the Code of Practice. The evolving nature of the threats and the growing risk of malicious interference and online manipulation associated with the development of Artificial Intelligence and data-gathering techniques require continuous assessment and an appropriate response.

7. The EU must ensure a coordinated response to hybrid and cyber threats and strengthen its cooperation with relevant international actors. The European Council welcomes the adoption of a new framework for targeted restrictive measures, and the work on coordinated attribution at EU level in the context of the cyber diplomacy toolbox, to better deter and respond to cyber-attacks. It invites the EU institutions, together with the Member States, to work on measures to enhance the resilience and improve the security culture of the EU against cyber and hybrid threats from outside the EU, and to better protect the EU's information and communication networks, and its decision-making processes, from malicious activities of all kinds.

V. External relations

8. On the occasion of the Eastern Partnership's 10th anniversary, the European Council reaffirms the importance of

this strategic partnership and invites the Commission and the High Representative to evaluate existing instruments and measures and, on the basis of appropriate consultations, to present by early 2020, with a view to the next Eastern Partnership Summit, a further set of long-term policy objectives.

9. The European Council welcomes the peaceful transfer of power in the Republic of Moldova and invites the European Commission and the High Representative to work on a set of concrete measures to support the Republic of Moldova, based on its sustained implementation of reforms under the Association Agreement / DCFTA.

10. The European Council underlines the crucial importance of the EU's strategic partnership with Africa. We are committed to developing it further with a shared ambition to face together common and global challenges.

11. The stability, security and prosperity of the countries on the southern shore of the Mediterranean are of crucial importance for the EU. In this context, peace and long-term stability in Libya are a common priority. The EU reiterates its support for the UN-led process for the cessation of hostilities and an inclusive political solution.

12. The European Council welcomes the renewed impetus in EU-Morocco relations and looks forward to the upcoming EU-Morocco Association Council.

13. The European Council reiterates its call on Russia to release the captured Ukrainian sailors unconditionally, return the seized vessels and ensure free passage of all ships through the Kerch Straits, in accordance with international law.

14. The European Council expresses its utmost concern about the Russian presidential decree of 24 April, enabling the simplified issuing of passports in certain areas of Ukraine's

Donetsk and Luhansk regions, which runs counter to the spirit and the objectives of the Minsk agreements.

15. The European Council will continue to monitor the situation in eastern Ukraine and stands ready to consider further options, including non-recognition of Russian passports issued in contradiction to the Minsk agreements, in close coordination with its international partners. The European Council calls for an urgent resumption of negotiating efforts with a view to the implementation of the Minsk agreements and for measures aimed at rebuilding confidence among the parties.

16. 17 July will mark five years since the downing of flight MH17, which claimed 298 lives. The European Council reiterates its full support for all efforts to establish truth, justice and accountability for the victims and their next of kin, in accordance with UNSC Resolution 2166. In this context, it welcomes the announcement by the Joint Investigation Team on 19 June 2019 that criminal charges will be brought in the Netherlands against four individuals, calls on Russia to cooperate fully with the ongoing investigation, and expresses its full confidence in the independence and professionalism of the legal procedures that lie ahead.

17. The European Council recalls and reaffirms previous Council and European Council conclusions, including the European Council conclusions of 22 March 2018 strongly condemning Turkey's continued illegal actions in the Eastern Mediterranean and the Aegean Sea. The European Council expresses serious concerns over Turkey's current illegal drilling activities in the Eastern Mediterranean and deplores that Turkey has not yet responded to the EU's repeated calls to cease such activities. The European Council underlines the serious immediate negative impact that such illegal actions have across the range of EU-Turkey relations. The European Council calls on Turkey to show restraint, respect the sovereign rights of Cyprus and refrain from any such actions.

The European Council endorses the invitation to the Commission and the EEAS to submit options for appropriate measures without delay, including targeted measures. The EU will continue to closely monitor developments and stands ready to respond appropriately and in full solidarity with Cyprus. The European Council will remain seized of the matter and will revert accordingly.

VI. Other items

18. The European Council endorses the conclusions on enlargement and stabilisation and association process adopted by the Council on 18 June 2019.

19. In the context of the European Semester, the European Council held a discussion on the basis of a horizontal report on Country-Specific Recommendations.

[1] For a large majority of Member States, climate neutrality must be achieved by 2050.

Exxon's \$53 billion Iraq deal hit by contract snags, Iran tensions – sources



BASRA, Iraq/BAGHDAD (Reuters) – Just weeks ago, U.S. energy giant ExxonMobil looked poised to move ahead with a \$53 billion project to boost Iraq's oil output at its southern fields, a milestone in the company's ambitions to expand in the country.

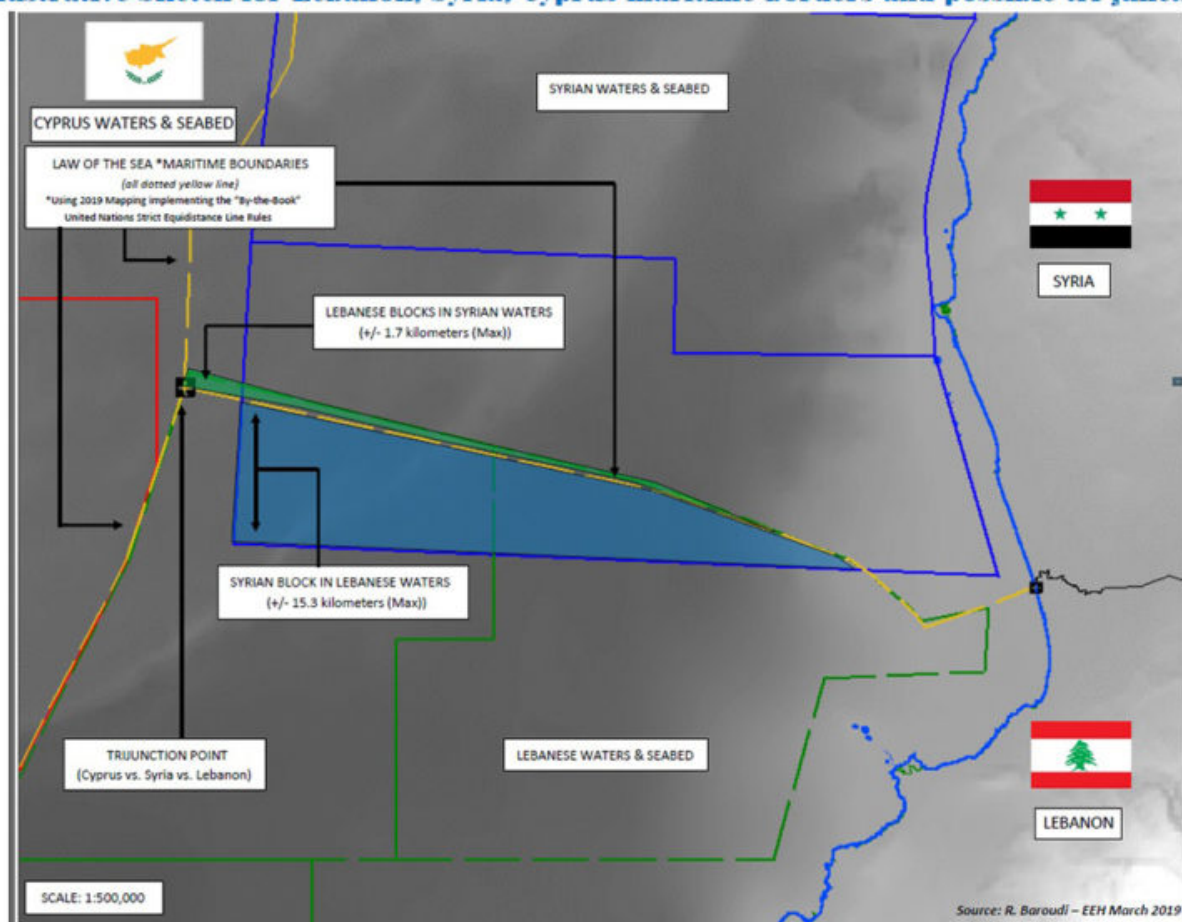
But now a combination of contractual wrangling and security concerns, heightened by escalating tensions between Iraq's bigger neighbor Iran and the United States, has conspired to hold back a deal, according to Iraqi government officials.

The negotiations have been stymied by terms of the contract that Baghdad objects to, said four Iraqi officials involved in the discussions who spoke to Reuters on condition of anonymity due to the sensitivity of the matter.

Oil hopes fire up Lebanon-Syria border issue

THE DAILY STAR
LEBANON

Illustrative Sketch for Lebanon, Syria, Cyprus maritime borders and possible tri-junction



BEIRUT: All eyes have been fixed on south Lebanon as the country engages in U.S.-sponsored negotiations to demarcate its maritime border with Israel, ahead of Lebanon's first offshore hydrocarbon exploration planned for later this year. But Lebanese officials have recently suggested that another issue critical for the country's nascent oil and gas sector may soon be on the negotiating table: the demarcation of Lebanon's northern border with Syria, which has never been formally agreed upon.

Lebanon and Syria have set their sights on potential revenues

from oil and gas revenues as boons to their struggling economies.

At the same time, Beirut is hoping to capitalize on increasing international interest in the Eastern Mediterranean due to large hydrocarbon finds, including in Cyprus and Israel. Lebanon, though well behind its western and southern neighbors, hopes to join the club soon after its first exploratory well is drilled in December.

With the issue still in its early stages, experts told The Daily Star that demarcating Lebanon's northern border should be much simpler than delineating those with Israel, with whom Lebanon is still technically at war. Still, demarcating the northern border could have its own stumbling blocks, particularly considering political differences in Lebanon over the nature of the country's ties to Syria.

So what is under dispute?

The northern land border between Lebanon and Syria is de facto demarcated today by the Nahr al-Kabir River. This border is important, because the point at which it meets the sea is crucial for determining the maritime border.

Issam Khalife, a history professor at the Lebanese University who wrote a book about attempts to demarcate the northern border, said there were few points of difference over this border. He said the line would be set in the middle of the river, with the final point lying where it empties into the Mediterranean.

This contrasts starkly with the southern border demarcation issue, where 13 points are disputed.

Meanwhile, about 850 square kilometers of sea is disputed between Syria and Lebanon, Roudi Baroudi, an oil and gas consultant with some 40 years' experience, told The Daily Star.

This is nearly the same number as the roughly 860 square kilometers under dispute between Lebanon and Israel.

Khalife said that Beirut and Damascus had engaged in serious talks over demarcating the border since after both countries gained independence from France in the mid-1940s. But those talks fizzled out with the advent of the Lebanese Civil War (1975-90).

In 1976, Syria entered Lebanon as part of a peacekeeping force, and remained in the country until its 2005 ouster by the massive popular uprising that followed the assassination of former Prime Minister Rafik Hariri.

“Syria felt that it and Lebanon are one country, so why draw its borders with Lebanon?” Khalife said.

Lebanon in 2011 published a unilateral outline of its northern border, on which Syria has not formally commented.

However, maritime oil blocks that Syria published in March 2019 show a large overlap with those published by Lebanon – encroaching by some 15 kilometers at the furthest point.

Using the methods set out by the United Nations Convention on the Law of the Sea – ratified by 168 nations including Lebanon, but not Syria, which maintains observer status – Baroudi has mapped out a line that he said marked the correct maritime border between the two countries. According to this line, Lebanon has encroached on Syrian territory by about 1.7 kilometers, while Syria, according to its oil blocks, sees its border as lying 15 kilometers inside Lebanon’s territory.

“Both sides have overestimated, so this has to be rectified between two friendly states,” Baroudi said.

Defense Minister Elias Bou Saab and Foreign Minister Gebran Bassil could not be reached for comment despite multiple attempts.

Two Foreign Ministry sources declined to comment on whether Lebanon had received a formal request from Syria to demarcate the northern border, as was reported this week in pan-Arab newspaper Asharq al-Awsat.

After the issue lay dormant for years, Bou Saab last week said he had knowledge that Syria was looking to demarcate the northern land and maritime border.

He later added that Russia could play a “positive” role in the dispute due to its energy interests both in Syria and in Lebanon.

Russia has been a major supporter of Syrian President Bashar Assad in the 8-year-old conflict, and Syria’s Oil Minister Ali Ghanem last month said that a Russian company would be tasked with maritime oil and gas exploration.

The Daily Star could not reach the Syrian Embassy for comment despite multiple attempts.

Meanwhile in Lebanon, Russian company Novatek is part of a consortium that is set to drill the country’s first exploratory well in December. And Energy Minister Nada Boustani told AFP last week that Russian companies Novatek, Gazprom and Lukoil had expressed interest in the second exploration round launched in April that includes two blocks bordering Syria, named 1 and 2.

She said that Cabinet’s approval of those blocks “means that it knows a deal will be brokered” with Syria.

Baroudi said the massive wealth at stake would likely bring Lebanon, Syria and Israel to the negotiating table.

“All the major firms involved in this sector do not flirt with countries that have problems, especially with their maritime boundaries,” Baroudi said. “They want to have clear-cut agreements, otherwise they will not come.”

MP Yassine Jaber, the chair of Parliament's Foreign Affairs and Expatriates Committee, agreed.

"Of course this is what's pushing us, to be able to lure big companies," he said.

If the statements about Syria's intentions to demarcate the border are proven, the question becomes how Lebanon will be represented at the table.

Lebanon's indirect negotiations with Israel were aided by a unified stance among the country's top leaders, but talks with Syria could be hurt by internal differences.

Prime Minister Saad Hariri has ruled out any direct negotiations with Damascus on any issues until a political solution to the Syrian crisis is reached. However, both countries maintain diplomatic relations, with embassies in Damascus and Beirut respectively.

Jaber expressed belief that Russian mediation could help Lebanon sidestep the political quagmire that direct talks with Syria could present. But he said he was confident that local obstacles could be overcome even without such mediation, given that the country's leaders had agreed to negotiate with Israel even though the two were still at war.

"We are talking with an enemy in the south, so it's much easier to have a joint committee to look at the dispute in the north, with experts," Jaber said, adding it was in the interest of all countries to find peaceful resolutions to their disputes. "It's quite simple: Oil and fire do not mix."



<https://www.dailystar.com.lb/News/Lebanon-News/2019/Jun-20/485660-oil-hopes-fire-up-lebanon-syria-border-issue.ashx>

Exclusive: Russia to boost LNG output fivefold to supply Asia

Utilizing the Arctic, Moscow eyes 20% global market share, energy minister says.

MOSCOW – Russia aims to increase its liquefied natural gas output about fivefold by 2035 to capture about 20% of the global market.

The country envisions up to 70% of its LNG exports by then going to the Asia-Pacific region, through the Arctic Ocean shipping route.

Energy Minister Alexander Novak told Nikkei in Moscow that Russia's government intends to strengthen its cooperation with Japan in terms of funding and technology for the LNG and related sectors.

Japanese Prime Minister Shinzo Abe and Russian President Vladimir Putin are expected to discuss economic cooperation in areas including energy when they meet in Osaka on June 29 on the sidelines of the G-20 summit. The leaders will also discuss a peace treaty and other matters between the countries.

Novak could join Putin's delegation.

Russia's current LNG output is about 28 million tons a year. This combines output from the Sakhalin-2 project, in which Japanese general traders Mitsui & Co. and Mitsubishi Corp. participate, and the Yamal LNG project in Arctic Russia.

✘ Russian Energy Minister Alexander Novak told Nikkei that Russia aims to increase its LNG output about fivefold by 2035. The plan is to raise the total, which now represents around 6% of global demand, to between 120 million tons and 140 tons by 2035, according to Novak.

Qatar and Australia each accounted for over 20% of the global LNG market in 2018. Russia's goal is to rival these producers as well as the United States in LNG output.

Novak said the Asia-Pacific region is home to some of the world's biggest LNG markets, and that Russia expects to boost exports to Japan, China, India, South Korea and Vietnam.

Russia also exports LNG to Europe but has hastened the introduction of a planned Arctic Ocean shipping route so that 60% to 70% of its exports will go to Asia-Pacific, Novak said.

Russia hopes to attract Japanese technology, loans and investments to its LNG sector, Novak said, adding that Moscow welcomes foreign partners, including Japan.

He also expressed hope that final-stage negotiations between Russia's Novatek and Japanese companies, including Mitsui, regarding investments in the Arctic LNG 2 project will soon

come to fruition.

Russia's annexation of Crimea in 2014 triggered sanctions from the West. Novak said there is a possibility that the sanctions could apply to the LNG deals. He added that Russia will consider procuring funds in currencies other than the dollar as a way to maneuver around the sanctions.

RWE warns on European gas demand



The German utility paints a sobering picture for the future of the fuel, even in a lower price environment.

Low carbon heating systems and a huge growth in renewables will continue to drive down northwest European (NWE) gas demand, which has been structurally decreasing since the

financial crisis, Andree Stracke, chief commercial officer at the supply and trading arm of German utility RWE, told the Flame gas conference in Amsterdam in May.

The RWE base case for NWE gas demand is 227bn m³/yr in 2030, down from 267bn m³/yr in 2018 and from 309bn m³/yr in 2010. Its high case scenario is 275bn m³/yr, but its low case is just 178bn m³/yr.

Substitution in the retail sector will drive the highest demand decrease. Electric heat pumps are a “real killer”, says Stracke, along with wood pellets and better insulation.

Residential and commercial gas demand peaked as far back as 2003 and has trended slightly lower ever since. RWE predicts a 21pc decrease from 2018 levels by 2030—rising to 30pc in a high-efficiency, low-demand scenario—which is “really significant” as heating is the bulk of overall demand.

Recent UK and Dutch regulation to outlaw gas supply to new homes are “really huge milestones”, says Stracke, even though new houses make up, for example, only 2pc of the housing stock in Germany. The Netherlands is aiming for 200,000 houses ‘free of gas’ by 2030.

Limiting gas supply bans just to new houses would not be enough to ensure meeting the heating sector’s overall strict emission reduction targets, he notes. Regulation covering existing houses could push significant costs onto house owners and tenants, so governments are loath to legislate. RWE’s base case scenario sees heating sector regulation reducing gas demand, but only slowly.

But retrofitting, as is being promoted in UK and Dutch initiatives, once a community agrees to it, could go much further, Stracke warns, confessing that, “after 25 years in the gas industry, the new rules are a shocker to me”.

On a slightly more positive note, there could be some

switching from fuel oil to gas in the German heating market, says Stracke, but only if legislation mandates customers to switch away from oil.

Gas to power

Gas demand for power has fallen by 16pc from a 2010 peak, mainly due to renewables, as well as high gas prices relative to coal. Germany has 100GW of installed conventional thermal capacity, but now has 110GW of renewable capacity, says Stracke.

RWE's base case sees relatively flat overall demand for gas power, as German and Dutch coal exits and a reduction of German, French and Belgian nuclear capacity are largely compensated by an increase in renewables.

Quicker nuclear and/or coal phaseouts could offer additional gas demand upside, as the resultant electricity supply gap could not be filled fully by renewable generation. Lower gas prices could also drive demand with a potential major impact in the power sector, although not in the retail sector.

On the other hand, politicians and voters want to reduce CO₂ further, says Stracke.

"We have underestimated the will of the people to go into renewable energy," he says. "A renewables glut is coming, and we have to adapt."

One reality of this new paradigm is a significant increase in the need for gas-fired power capacity as a back-up for intermittent renewables. NWE, in RWE's base case, will see 39pc increase in peak gas demand by 2030, from c.300mn m³/d to c.400mn m³/d. Gas transmission capacity will therefore still be needed, but only on a short-term basis, says Stracke. And the current driver of gas storage usage, for summer/winter seasonality, will also change.

The challenge is that "no-one so far" is prepared to pay for

the increase in required peak gas-fired power capacity, particularly as baseload requirements decrease, says Stracke. “Who is investing, given the uncertainty? We have not seen it. We need sustained higher peak power prices into the future”.

Without a capacity market, as the UK and France have introduced, there is no incentive to invest, beyond small-scale open-cycle turbines, as these can pay back quickly over 3-4 years, he adds.

US sanctions debilitate Venezuelan oil output



President Nicolas Maduro is standing firm, despite oil production falling to levels not seen since the infamous oil lockout

of 16 years ago

Venezuela's oil sector continues its precipitous collapse, stricken by US sanctions and mismanagement, which have reduced crude production to its lowest level since 2003 – when several months of nationwide protests at Pdvsa, the state-owned oil company, wiped out almost a third of production.

US sanctions on Venezuela's energy sector are having a crippling effect. The US Energy Administration (EIA) has reported losses in overall Venezuelan production of around 400,000bl/d since the year began. In April, output averaged just 830,000bl/d according to the EIA, while Opec's *Monthly Oil Report* put the estimated production figure even lower at 768,000bl/d.

Output has recovered slightly from March, when power outages across the country devastated the sector. Information provider S&P Global Platts calculated roughly 40,000bl/d returning to production in April, but many facilities remain damaged and further losses are expected. Power failures paralysed exports at Venezuela's main oil terminal Jose, while the Puerto la Cruz refinery in Anzoategui, already barely operating, was put out of commission.

Until now, most of the production losses have been from Maracaibo and the Maturin sub-basin. But the power issues are now also starting to hit the Orinoco Belt oil fields. At the beginning of 2019, Orinoco constituted 40pc of total national output, according to the Center for Strategic and International Studies (CSIS) thinktank.

Three Orinoco upgraders were taken offline and are now in "recirculation" to prevent damage, but not outputting heavy crude. The Petropriar upgrader (jointly owned between Pdvsa and Chevron), Petromonagas upgrader (Russia's Rosneft/Pdvsa) and Petrocedeno upgrader (Total/Norway's Equinor/Pdvsa) were all affected and are still out of action due to lack of

storage space. The Petrolera Sinovensa upgrader (China's CNPC/Pdvsa) is partly running but only at 105,000bl/d. Combined, the four upgraders have a normal synthetic crude capacity of 600,000bl/d.

The Orinoco Belt is also struggling to cope with shortages of diluent, previously imported from the US, and available tankers. Last year, Venezuela imported almost 90,000bl/d of naphtha, mostly from the US, to help blend its heavy crude. Issues with sourcing alternative supply, as well as the scarcity of funds, is having a significant impact in the Orinoco. Platts reported combined production had dropped 77pc by mid-May to just 169,800bl/d, from 764,100bl/d at the beginning of April.

“Venezuela was able to obtain diluents from Russia and India after the OFAC [Office of Foreign Assets Control] action, but not in the volume needed for the Orinoco to run smoothly,” says Patrick O’Connell, fixed income analyst at Alliance Bernstein, a global asset management firm. “Partially due to the lower availability of diluent, Venezuela is converting its large Orinoco upgraders into simple blending facilities, which will yield a less valuable type of crude oil but save on imported intermediate products.”

Clinging on

Damage to the country's oil industry may be a pyrrhic victory for the opposition-led National Assembly, increasing the pressure on incumbent president Nicolas Maduro, but so far there has been little sign of regime change.

On 30 April, head of the Venezuelan National Assembly and self-declared president Juan Guaido, alongside the recently freed opposition politician Leopoldo Lopez, called for national protests to unseat Maduro from power. He claimed Maduro no longer had the backing of the military; but the Venezuelan president, surrounded by key military personnel,

quickly denounced the appeal as an attempted coup.

Pressure on the current regime will only mount, though, as crude production continues its prolific collapse. Carlos de Sousa, lead economist at Oxford Economics, a global economics forecaster, expects “oil production to fall to 500,000bl/d by year-end – China and India will remain the main buyers”.

But the CSIS predicts that, if Maduro remains at the helm, then output will likely fall below 500,000bl/d as early as October. If he is still in power by November the institution expects production to be hovering around 400,000bl/d. Even if the opposition takes control it will be difficult to return national output to 1.3mn bl/d any time soon. Damage to oil assets, attracting foreign investment and changes in global oil markets in recent years all point to a tough recovery even if the opposition gain control.

Cutting its losses

Meanwhile, Venezuela’s financial position could soon deteriorate even further. In May, the National Assembly voted to pay the \$71mn interest on the Pdvsa bond 2020, the only bond the country has yet to default on, to avoid creditors seizing its US-based refining subsidiary Citgo. Bond holders control 50.1pc of shares in the company, while the remaining 49.9pc serves as collateral for a \$1.5bn loan issued by Rosneft, who could equally enforce its security should Venezuela default on the payment.

“We believe the country will do what it can to keep current on these payments, as a default on this bond would lead to creditors attempting to seize control of Citgo – a valuable overseas asset which would likely prove crucial in an eventual debt restructuring,” says Thomas Nicol, product manager at Alliance Bernstein. “The National Assembly successfully paid the \$71mn coupon within the 30-day grace period in May 2019, but making a payment of more than \$900mn in October will prove

more challenging, particularly in the absence of regime change against a backdrop of US sanctions and plummeting domestic oil production.”

Daniel Pilarski, a partner at law firm Watson Farley & Williams, a global law firm, doubts the legality of a forced sale. “Even if Venezuela wished to sell (which they do not), it would violate existing sanctions for any parties (US or non-US) to purchase Citgo and pay the proceeds to Pdvsa. Also, given Pdvsa’s dire financial position, the transfer would be potentially subject to fraudulent conveyance and similar conditions, so it would be very hard for the purchaser to get clean title,” says Pilarski.

Citgo has so far escaped sanctions but has until 27 July to end all crude imports from Venezuela. Similarly, US oil services companies Baker Hughes, Chevron, Halliburton, Schlumberger and Weatherford International all have a three-month window to exit the country.

