

Lichtenberg-1 Gas Exploration Well Commences Drilling in Upper Austria

“Potential for significant gas production and net cash flow growth within a year of discovery. Several follow up and close by 3D seismic defined gas prospects could further increase the targeted gas reserves.”

“MND Austria a.s. (MND) will fund the first EUR 4.5 million of Lichtenberg well costs in addition to a previous EUR 0.4 million cash payment to earn a 50% interest in the well and part of the ADX-AT-I licence.”

Key points:

- The Lichtenberg-1 (“LICHT-1”) gas exploration well, located in the ADX-AT-I licence in Upper Austria (refer to Figure 1), spudded at 07:00 am Central European Time on the 26th of September 2024. ADX is the operator and will retain a 50% economic interest in the well and the MND Investment Area after completion of earn in obligations by MND. ADX will retain a 100% interest in the remainder of the ADX-AT-I licence (refer to Figure 1).
- The RED Drilling & Services GmbH (RED) E-202 rig is being used to drill the LICHT-1 well (refer to Figure 2). The same rig was recently used to drill the successful Anhof-2A oil appraisal well. The LICHT-1 well is the second of a two well program which follows the Anhof-2A well in the ADX-AT-II licence (refer to Figure 6).
- The LICHT-1 well will target an Upper Oligocene sandstone reservoir and two slightly shallower, geologically similar reservoirs. The targeted sandstone reservoirs can be highly productive based on offset production wells in the area.
- The LICHT-1 well is expected to take approximately 30 days to drill to a total measured depth (“MD”) of approximately 2900 metres. The first Oligocene reservoirs are expected from around 2000 metres MD, with the main target reservoir expected from approx. 2500 metres MD. If successful the detailed logging, casing and suspension of the well will take approximately another 10 days.
- In addition to the LICHT Prospect there are multiple, similar, close by, follow-up prospects which are also covered by high quality 3D seismic. These could be follow up drilling targets that would allow ADX and its partner to develop a large reserve with long term gas production.
- Economics for successful gas exploration at this location are potentially excellent due to high productivity reservoirs, close proximity to open access pipelines (approx. 4 km) and excellent central European gas pricing (approx. US\$15 per MCF equivalent).
- An Operations Update Report will be provided on weekly basis. Well drilling results will be provided as they become available.

ADX Energy Ltd (**ASX Code: ADX**) is pleased to advise that the Lichtenberg-1 (“LICHT-1”) gas exploration well was spudded at 07:00 am Central European Time on the 26th of September 2024. The LICHT-1 well is located within the ADX-AT-I exploration licence in Upper Austria. The RED Drilling & Services GmbH (RED) E-202 rig is being used to drill the LICHT-1 well. This rig was recently used to drill the successful Anshof-2A appraisal well. ADX is the operator and will retain a 50% economic interest in the well and the MND Investment Area after completion of earn in obligations by MND Austria a.s. (“MND”). ADX will retain a 100% interest in the remainder of the ADX-AT-I licence (refer to Figure 1).

The LICHT-1 well’ primary target is an Upper Oligocene sandstone reservoir as well as two slightly shallower, geologically similar reservoirs. These sandstone reservoirs typically produce at relatively high production rates, more than 10 MMSCFPD based on offset production wells in the area. LICHT-1 is expected to take approximately 30 days to drill to the total depth (“TD”) of approximately 2900 metres measured depth (“MD”). If successful detailed logging, casing and suspension of the well will take approx. a further 10 days.

The first Oligocene gas reservoirs are expected from around 2000 metres MD, with the main primary target reservoir expected from approx. 2500 metres MD.

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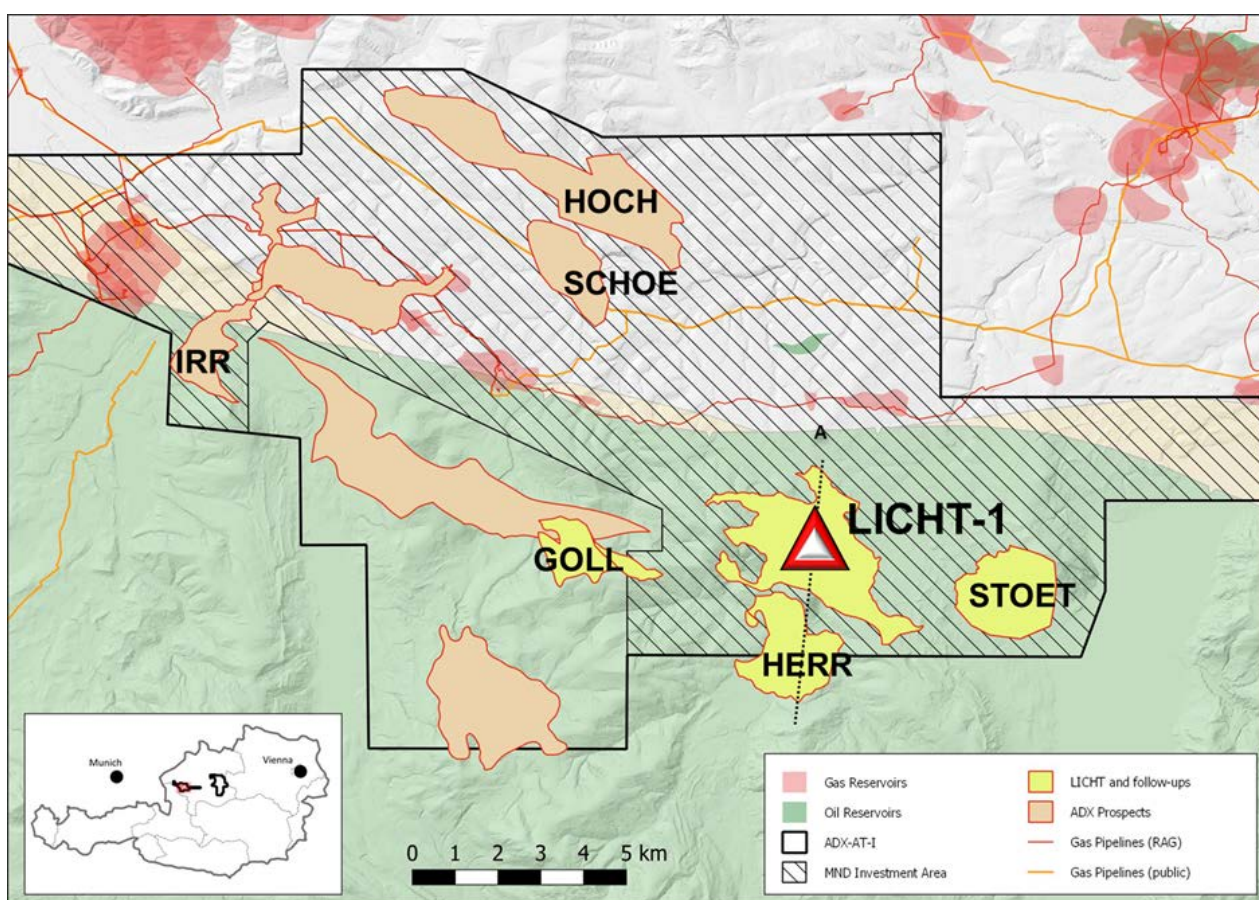


Figure 1: Upper Austria ADX-AT-I Exploration Licence, including the MND Farm-in Area as well as the location of the LICHT-1 exploration well



Figure 2: The RED E-202 rig on location at the LICHT-1 well site

LICHT-1 Prospective Resources and Follow-up Potential

The LICHT prospect has been mapped with high quality 3D seismic. ADX believes there is strong evidence for the likely presence of marine sandstones of Oligocene age. The likelihood of high quality reservoirs at LICHT-1 is based on data from older offset wells to the north with similar seismic amplitude or brightness anomalies which have encountered highly productive gas sands.

The LICHT structure is below a major thrust front which influences the significant range of prospective resource potential at LICHT-1 shown in Figure 3.

LICHT-1 Prospective Resources Estimates ^{2,3}				
(100% Economic Interest)				
	Low	Best	Mean	High
BCF Recoverable	8	21	28	56

Figure 3: Lichtenberg Prospective Resource Estimates

²Prospective Resources are those estimated quantities of petroleum that may potentially be recovered by the application of a future development project(s) related to undiscovered accumulations. These estimates have both an associated risk of discovery and a risk of development. Further exploration appraisal and evaluation is required to determine the existence of a significant quantity of potentially recoverable hydrocarbons.

³The Original Prospective Resources reporting date on 22.06.2023, updated on 20.08.2024.

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Figure 1 above shows several prospects in the ADX-AT-1 licence, including the LICHT-1 prospect as well as analogous, upper Oligocene marine sandstone follow up prospects near-by such as GOLL, HERR and STOET. The resource potential of these follow-up prospects is similar to, or even larger than LICHT. Figure 1 also shows the location of gas pipelines in red and orange colours, just north of LICHT-1. The existence of gas pipelines in close proximity (between 3 to 5 km) to LICHT-1 will facilitate the rapid and low-cost development of a gas discovery at this location.

Success at LICHT-1 will significantly upgrade and de-risk the three follow up prospects shown in Figure 1. Due to the large structural extent of these prospects, shown in Figure 4 below, the upside potential (i.e. P10) of both STOET and HERR could be twice as large as currently targeted by the LICHT-1 which is considered the lowest risk prospect in this area.

Figure 4 below shows the seismic anomalies and on the right the mapped structure of the HERR and STOET prospects with similar Oligocene marine sandstone reservoirs. Together with a successful LICHT-1 well this has the potential to significantly impact ADX' gas reserves and production.

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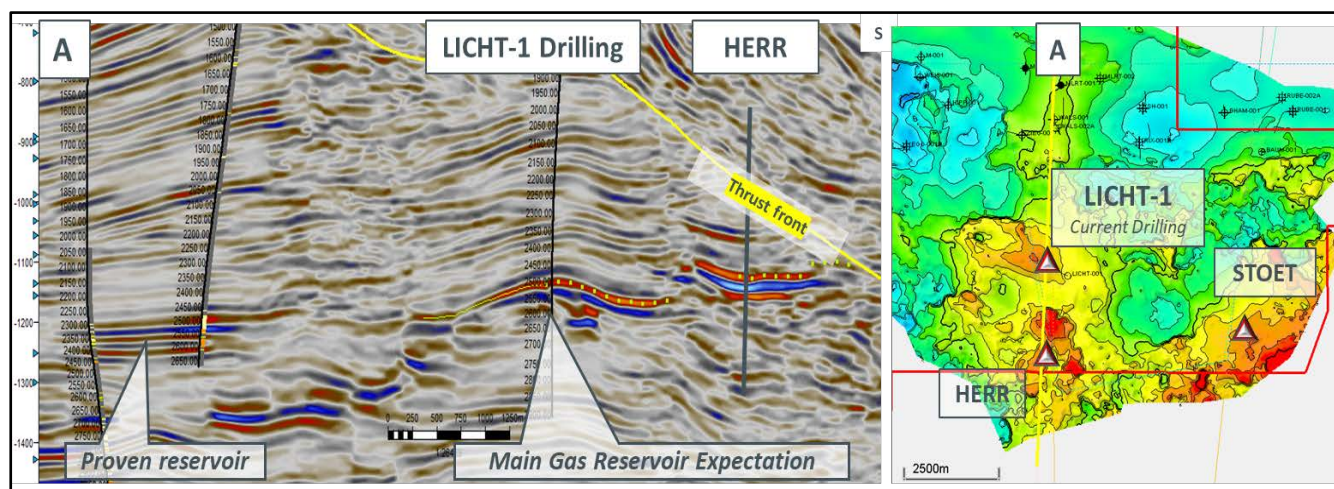


Figure 4: High quality 3D seismic provides confidence in relation to structural definition and the presence of marine sandstone gas reservoirs

In addition to the relatively low risk Oligocene sandstone targets at LICHT-1, further high impact exploration potential exists approximately 1200 metres below the Oligocene at LICHT-1. A future “LICHT – DEEP” well could target both Eocene oil reservoirs proven by ADX in the Anshof-3 & Anshof-2A oil wells along with deeper oil and gas potential within the Jurassic Carbonates.

Figure 5 below shows a 3D seismic X-section and a depth map of the deeper Eocene structure. The Jurassic Carbonates would have, in a success case, recoverable oil reserves similar to the OHO and ZAM prospect resources (refer to ASX release, 22 June 2023, indicating best technical prospective resources of approx. 20 mmoeb).

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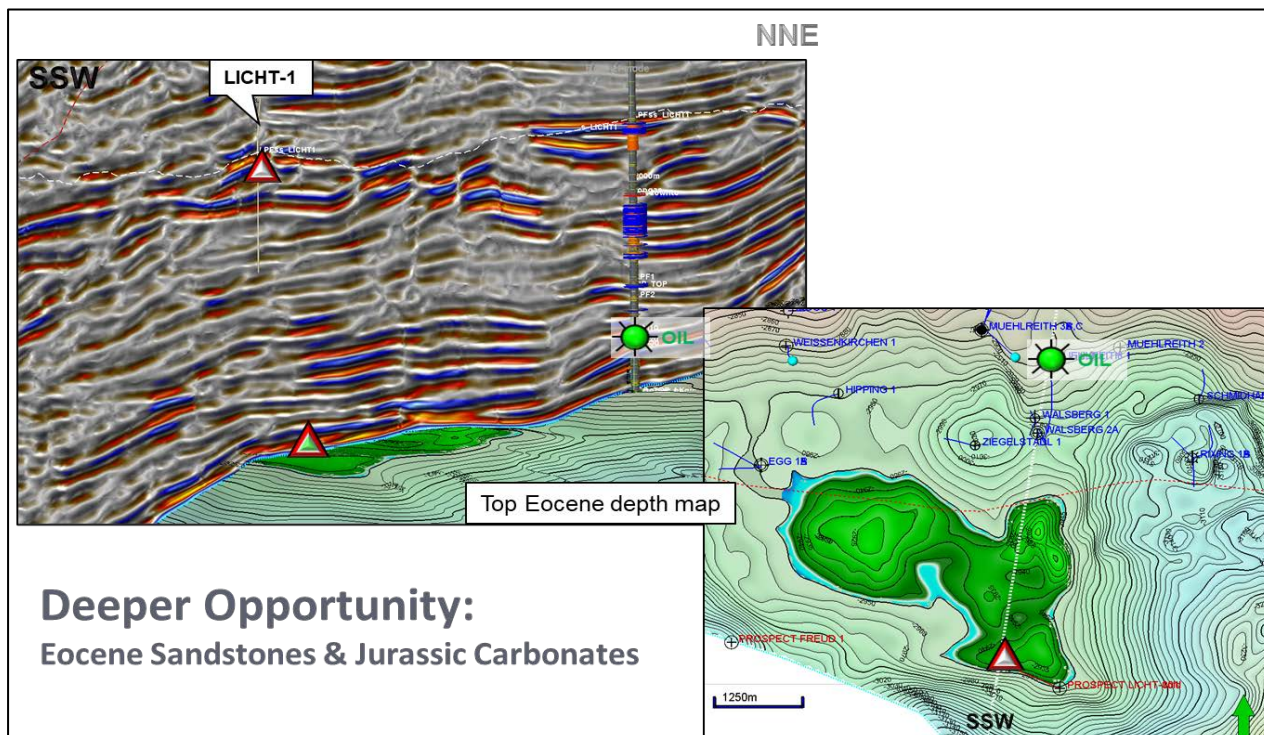


Figure 5: Seismic X-section and Eocene depth map structure where there is likely a further (oil) Jurassic objective downdip of the current LICHT-1 Oligocene gas objective

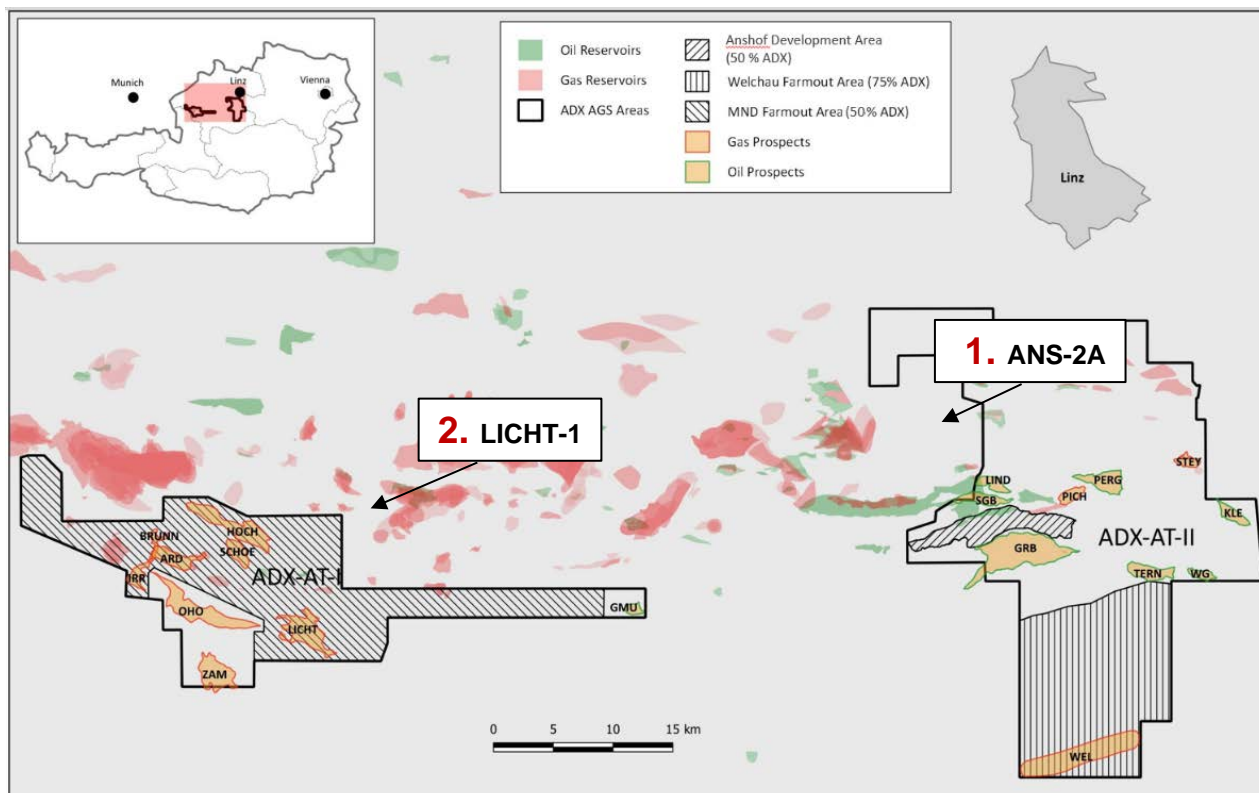


Figure 6: Location of the LICHT-1 gas exploration well in the ADX-AT-I exploration licence and the successful ANS-2A oil appraisal well recently drilled in the ADX-AT-II exploration licence

ADX Economic Participation

ADX is operator and holds a 100% economic interest in the MND Investment Area. ADX economic interest will reduce to 50% upon the completion of MND's farmin obligations. ADX has a 100% economic interest in the remainder of the ADX-AT-I licence including other gas exploration prospects (OHO and ZAM) and the GMU geothermal / oil and gas energy prospect.

ADX Chief Executive Officer, Mr Paul Fink, said, *"The Board of ADX is delighted to follow on from the successful drilling of the Anshof- 2A oil appraisal well with the first gas prospect to be drilled in the ADX-AT-I exploration licence targeting potentially high productivity Oligocene sandstone reservoirs. Success at LICHT-1 could lead to a rapid development of a new production and revenue stream for ADX and its partner MND. ADX believes there is a high chance of success at LICHT-1. Moreover, several near-by, follow up exploration prospects could lead to very significant reserves growth and long-term gas production. Success at LICHT-1 and the follow-up prospects identified by ADX would be a significant economic benefit to Austria and lessen Austria's very high reliance on imported Russian gas¹."*

¹ In January 2024, 97% of Austria's gas demand was supplied from Russian gas (source The Economist, 7th September 2024).

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Authorised for lodgement by Ian Tchacos, Executive Chairman

Persons compiling information about Hydrocarbons:

Pursuant to the requirements of the ASX Listing Rule 5.41 the technical and reserves information relating to Austria contained in this release has been reviewed by Paul Fink as part of the due diligence process on behalf of ADX. Mr Fink is Technical Director of ADX Energy Ltd is a qualified geophysicist with 30 years of technical, commercial and management experience in exploration for, appraisal and development of oil and gas resources. Mr Fink is a member of the EAGE (European Association of Geoscientists & Engineers) and FIDIC (Federation of Consulting Engineers).

Reporting Standards for Resource Estimation

Reserves and resources are reported in accordance with the definitions of reserves, contingent resources and prospective resources and guidelines set out in the Petroleum Resources Management System (PRMS) prepared by the Oil and Gas Reserves Committee of the Society of Petroleum Engineers (SPE) and reviewed and jointly sponsored by the American Association of Petroleum Geologists (AAPG), World Petroleum Council (WPC), Society of Petroleum Evaluation Engineers (SPEE), Society of Exploration Geophysicists (SEG), Society of Petrophysicists and Well Log Analysts (SPWLA) and European Association of Geoscientists and Engineers (EAGE), revised June 2018.

Prospective Resource Classifications

Low Estimate scenario of Prospective Resources - denotes a conservative estimate of the quantity that will actually be recovered from an accumulation by an oil and gas project. When probabilistic methods are used, there should be at least a 90% probability (P90) that the quantities actually recovered will equal or exceed the low estimate.

Best Estimate scenario of Prospective Resources - denotes the best estimate of the quantity that will actually be recovered from an accumulation by an oil and gas project. It is the most realistic assessment of recoverable quantities if only a single result were reported. When probabilistic methods are used, there should be at least a 50% probability (P50) that the quantities actually recovered will equal or exceed the best estimate.

High Estimate scenario of Prospective Resources - denotes an optimistic scenario of the quantity that will actually be recovered from an accumulation by an oil and gas project. When probabilistic methods are used, there should be at least a 10% probability that the quantities actually recovered will be equal or exceed the high estimate.

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End of this Release