

2019

**ANNUAL
REPORT**





**AME Drilling Rig-101, Altınakar-2 Well,
Diyarbakir, Turkey**

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COMPANY OVERVIEW

Aladdin Middle East Ltd. (“AME”) is an independent American oil and gas exploration and production company founded in 1961 and focused on the strategic exploration and production of oil and gas assets in Turkey. AME’s corporate head office is in Wichita, Kansas, while the company’s operational headquarters is located in Ankara, Turkey. In 2018 AME also established a UK subsidiary in London to raise its international profile.

The History of Aladdin Middle East

AME has been a pivotal E&P company in the development of Turkey’s upstream sector. Through AME’s efforts many underexplored basins in Turkey have been evaluated, yielding a large amount of technical and geophysical information and significant financial and social benefits for Turkey. AME has helped to bring many American and European energy companies to Turkey as first-time investors in the oil and gas sector.

AME remains an industry leader in Turkish upstream operations and is the most senior private player in Turkey, second only to TPAO, the national oil company. AME’s continued success is a credit to our superior staff of professionals whose dedication, knowledge and skill allow AME to find new and innovative ways to develop value for our partners and investors.

AME continues to be committed to respecting the environment, maintaining safety and upholding high standards of social responsibility throughout the company’s operations. AME’s success is built on technical expertise, business acumen, strong partnerships and proven ability to deliver superior results.



The

Present Day Aladdin Middle East

Today, the company holds a portfolio of onshore exploration and production licenses and leases in the Southeast Turkey Basin (North Arabian Shield) and Western Black Sea Basin that have short, medium and long-term commercial potential.

The Future Of Aladdin Middle East

AME has been increasing production since 2011 resulting in its last years being its best in the last decade. Nevertheless, as the majority of our assets remain in early or mid-life cycle, we can anticipate significant production expansion over the coming years. Even in a time of unpredictable oil prices our projects remain economical and therefore we can maintain a strategy of organic growth by financing our development programs from cash flows whilst seeking strategic oil industry partners for future farm out and joint ventures. In the medium to long term AME may move toward a listing on an international stock exchange.



Future of Aladdin Middle East

MESSAGE FROM THE PRESIDENT

Aladdin Middle East – A Trusted Name for 58 Years

I am proud to be able to introduce you to Aladdin Middle East Ltd., a company that my family has worked for more than 50 years to build into the exemplary corporation it is today. Thanks to our commitment to excellence and our experienced, dedicated professional staff, AME has been a trusted name in the Turkish petroleum industry for 58 years.

AME went through a complete restructuring in 2011 that also required new capital to revitalize the company. Our recapitalization effort was completed by having 4D Global Energy Advisors (“4D”), a leading European and oil & gas focused private equity firm becoming a strategic shareholder through their third fund, 4D Global Energy Investments PLC.



Cem Sayer
Chairman of the Board and the President
Aladdin Middle East Ltd.

The discoveries that we made in 2014 saw AME’s net recoverable oil reserves increase from 10 million barrels to over 35 million barrels of oil and this is a great value growth, unparalleled compared to any other operator in the region. Our current strategy is to increase our oil production substantially from our new discoveries, proving the recoverable reserves to international industry standards and to the satisfaction of financial institutions allowing for a possible IPO at London Stock Exchange.

With the quality of our staff, nature of our recent discoveries and the huge additional potential yet to be exploited, AME is in a unique position to maintain high profitability and achieve great value growth for our shareholders.

Our focus is still Turkey and in spite of the political unrest in the surrounding region, Turkey having the second largest army in NATO and as a candidate for full EU membership currently in the stage of accession, with its dynamic and competitive economy as an OECD country, customs union with EU and at the crossroads of the energy corridor from East to West, will continue to be a centre of attraction for investors. We are confident in Turkey and its potential and our 58 years of existence is a proof of that.



Cem Sayer
 Chairman of the Board and the
 President
 Aladdin Middle East Ltd.



THE BOARD OF DIRECTORS



Yılmaz Öz
Honorary Chairman of the Board

Mr. Yılmaz Oz, an International Lawyer from Turkey, was born in Ankara in 1930. After finishing the Ankara Law School in 1951, he went to the United States. Attended Yale Law School for post-graduate work and received a Master's Degree in International Law in June of 1952. Staying on for another term at Yale, he continued his U.S. studies until March of 1953.

Returning to Turkey, he set up his private law practice in Ankara in 1956. He specializes in International Business Law, particularly in the corporate field. He is recognized as an expert in the oil & gas investment and government relations matters. He is a proponent of what-he-calls "Preventive Law", emphasizing the need for and importance of pre-contract counselling. Mr. Oz has been a member of the Yale Law School Alumni Association; the President of the Turkish-American Association; the President of the Ankara Rotary Club; a member of the International Service Consultative Committee of Rotary International, as well as, being member of various professional organizations.

He has attended and/or served as panelist in seminars and symposia of professional interest at the U.N., the University of Cambridge and the International Chamber of Commerce. He has written and published several articles of professional and general interest, as well as, widely lecturing on same. He is the Reviser for the "Turkey" section of the Law Digests in the Martindale-Hubbel International Law Directory.



Cem Sayer
Chairman of the Board & President

Mr. Cem Sayer has been engaged in oil and gas exploration and production projects in Turkey since 1989. He graduated from Richmond University in the United Kingdom in 1989 where he obtained a B.A. degree in Business Administration and Economics, with International Business as his area of concentration. He also attended various courses in the USA on petroleum economy and drilling practices.

Mr. Sayer's field of expertise has been dealing with international projects and contract, legislative and financial issues as well as corporate restructuring and Institutionalization process of the company. The accomplishments included successful utilization of the company to international drilling contracts outside Turkey as well as efficient and profitable appraisal of discovered oil fields In Turkey. Mr. Sayer has given particular emphasis to effective teamwork and uniform Board level support and commitment to company policies and fiscal program. Mr. Sayer has worked for AME since 1989.

Mr. Sayer individually is one of the five founding members of PETFORM (Petroleum Platform Association) which was established by and between operating oil and gas companies in Turkey to voice out industry opinion and perspective towards the government and related bodies. He served as Vice-Chairman and led the Exploration and Production Group for five years between 2000 and 2006.

He played an active role in the preparation and negotiation process of the Petroleum Law, Natural Gas Market Law and Petroleum Market Law of Turkey. He is a Director of the Canadian-Turkish Business Council (CTBC), and also an active member of AIPN (Association of International Petroleum Negotiators, Houston - Texas), Energy Institution (London - England), International Who's Who Historical Society (Washington DC - USA), American Business Forum in Turkey (ABFT, Istanbul- Turkey) and Turkish American Businessmen's Association (TABA, Istanbul- Turkey). Mr. Sayer has three children and currently resides in London.





George C. Bruce
Vice-President

Mr. George C. Bruce is the grandson of the founder of Aladdin-Middle East, Ltd. He was graduated from the University of Kansas in 1977 with a BA degree in history and comparative literature and a minor emphasis in geology. In 1980, Mr. Bruce received a Juris Doctorate Degree from Washburn University.

Mr. Bruce served as general counsel for Aladdin-Middle East Ltd. from 1980 to 1990 and became the Chairman of the company in 1991. In addition to his experience in Turkey with Aladdin-Middle East, Ltd., Mr. Bruce has been active in oil and gas exploration and production in Kansas, Oklahoma, Texas, Idaho, and Kentucky, New Mexico and Colorado as well as Canada, West Africa and the Caribbean in his capacity as CEO and general counsel for Aladdin Petroleum Corporation.

In addition to his business experience with Aladdin Petroleum Corporation and Aladdin Middle East Ltd. Mr. Bruce serves as the managing member of Southwind Energy, LLC; Sterling Water Systems, LLC; Kinless Investments LLC, and Oreod Partners and is a Director of Manifest Energy, LLC and Cross First Holdings, LLC.

Mr. Bruce is a former partner of Hall, Pike & Bruce, and is a former managing partner of Martin, Pringle, Oliver, Wallace & Bauer, LLP., where he continues to serve as counsel. His legal practice focuses on traditional and alternative energy, securities, financial, real estate and international matters.

Mr. Bruce is a Trustee of Trinity Academy, a founding Ruling Elder of Heartland Community Church and serves various community capacities including Treasurer for Congressman Todd Tiahrt, Kansas 4th District. Mr. Bruce lives in Wichita, Kansas with his wife Pam. He has 4 children who are currently living in Washington D.C., Philadelphia, PA. and Palo Alto, California.





Tighe Noonan
Director

Tighe Noonan is a founding Partner of 4D Global Energy Advisors. He has been continuously involved in energy finance since 1982. After 14 years of experience in commercial and investment banking with the Barclays Group (BZW) in New York and Paris, notably in the energy sector, he joined Société Générale in 1995 where he was Managing Director, Head of Oil and Gas Project Finance.

Following studies at Swarthmore College (USA), Mr. Noonan received an advanced degree in economics & finance from the Institut d'Etudes Politiques from the University of Grenoble (France). He speaks fluent English, French and Italian.

He is a Non-Executive Director of Africa Fortesa Corporation Ltd, Finoil S.p.a., and Oil Recovery Services Ltd (ORS). He is also a Director of Rosehope Ltd, an industrial holding and CEO of its three main remaining subsidiaries, Dulevo International, a major Italian street sweepers manufacturing company, Settala Gas and Synthesis Chimica, mid-sized Italian distributors of industrial gases. All these companies are portfolio companies of the 4D funds.



Emmanuel Bazin
Director

Emmanuel Bazin is a Director of 4D Global Energy Advisors. Prior to joining the team in October 2006, he held a number of positions focused on oil and gas both in the industry and with banks. His Professional experience dates back to 1983, with 5 years at BP in planning and sales management positions in petrochemicals in Paris and London, then 19 years at Paribas and Société Générale, in Geneva, Los Angeles, Singapore and Paris, in a variety of specialties ranging from trade finance to oil & gas reserve based and refining finance. In his last 6 years at Société Générale (SG) Corporate and Investment Bank, he was a Managing Director in Energy M&A, capital advisory and acquisition finance.

Mr. Bazin holds a Master's degree in business and finance management from Neoma, a French business school, and an SG executive management and investment banking degree from Kellogg University in Chicago. He speaks French and English fluently.

He is also a Non-Executive Director of Africa Fortesa Corporation Ltd and Oil Recovery Services Ltd, two portfolio companies of the 4D Funds.



William Browning
Director

William Browning is a qualified attorney with 27 years' experience in the international oil and gas industry. He currently leads Infrastructure Development Partners, LLC, a UK-based Independent energy Consultancy involved in a wide variety of projects around the globe.

Mr Browning was part of the management team of the ACG field, the largest upstream development project in the South Caspian Sea from inception to full production. From 1995 to 2002 he directed the legal work for the development of the Baku-Tbilisi-Ceyhan pipeline exporting oil from the Caspian Sea to the Mediterranean. From 2002 he provided management support for the financing of this \$2.6 billion project.

He spent more than 16 years in the legal department at Pennzoil, leaving Senior Counsel in 1999. More recently Bill has worked on integrated teams in support of the Eastern Caribbean gas pipeline project and fertilizer projects in South America.

Mr Browning is a 1980 graduate of Washington University in St. Louis where he majored in Near Eastern and African history and was elected Phi Beta Kappa. He received his Juris Doctor from the University of Texas, School of Law in Austin, TX in 1983.



Scott Aitken
Director

Scott Aitken is the Chief Executive Officer of High Power Petroleum since 2016 and CEO of Cabot Energy Plc since 2018. Scott graduated with a degree in Applied Physics (BSc Hons) from the University of Strathclyde and commenced his career in the oil industry as a Petroleum Engineer with ExxonMobil in 1992 where he progressed through roles in reservoir engineering and sub-surface asset management. Joining Weatherford in 1998 he held Divisional Vice-President roles in Australia, Asia and the Middle East until 2003. Mr. Aitken co-founded Seven Energy in 2004 as Chief Executive Officer.

MANAGEMENT

Halil Aktaş

General Manager, Technical and COO

Halil Aktas is a graduate of Hacettepe University with a focus on Finance and Business Management. Prior to AME, Aktas worked for several conglomerates in senior Business Development and Project Management roles.

He joined AME in 2004 and responsible from technical management of the Company's operations. Halil Aktas has participated and organized oil and gas sector related workshops and scout meetings. He studied for a Master's Degree on Oil & Gas at Middlesex University.

Stuart Pert

CFO

Stuart Pert holds a BA (Hons) degree in Business Studies from Robert Gordons and is a member of the Chartered Institute of Management Accountants and the Institute of Directors, UK.

Stuart has more than 25 years in the oil and gas business. He commenced his career with Brown & Root in Aberdeen, working on top side and subsurface engineering projects in the North Sea oil sector. During this time, he qualified as an accountant. He then worked in Kuwait for the Kuwait Oil Company (KOC); Anadarko Petroleum Corporation (APC) in Algeria, Gulf Keystone Petroleum (GKP) based in London with operations in Algeria and Iraq and was as a director of Weir SPM (UK), covering Europe, FSU and Brazil. Before joining AME, he was based in Zurich, Switzerland.

Erdem Kaya

General Manager, Administrative

Erdem Kaya graduated from the Faculty of Law, University of Baskent and holds master's degrees from University of East Anglia, United Kingdom and Kent State University, United States on International Trade Law and Criminal Justice respectively. Erdem Kaya is responsible for representing the Company and leading its general business management.

Prior to joining AME, Erdem Kaya has first practiced as a lawyer and served in various companies and later advised on a broad range of matters in business, commercial and legal affairs. Erdem is a member of various national and international associations.

Cagatay Beydogan

Strategy and Corporate Relations Manager

Cagatay Beydođan has BSc degree from Middle East Technical University Metallurgy Department. Afterwards he studied at Brunel University, London with a scholarship and received MSc degree at Business Finance.

Çađatay has logistics, regulatory, banking and project finance experience at infrastructure projects both in Turkey and Middle East. Prior joining AME, he worked at TransAtlantic Petroleum during exploration, development, commercialization and production stages of crude oil projects in SE Turkey and natural gas projects in Thrace Region. Later on, he joined Viking Services, an international integrated oilfield services company, assuming responsibilities for regional projects covering countries like Turkey, Iraq, Albania and Oman.

Huseyin Yildirim

Deputy General Manager, Technical

Huseyin is responsible for AME's exploration activities. He joined AME in 1995 as a Mud Logger and Well Site Geologist during which time he gained in depth knowledge and experience of AME's operating areas.

Having left AME for Arar, Merty and Tiway he rejoined the Company in 2012. He is a member of the AAPG, as well as the Turkish Association of Petroleum Geologists and Turkish Association of Geological Engineers. Huseyin has expertise in petro-physics, log interpretation, prospect generation and geological studies contributing to multiple successful evaluations for AME. Huseyin Yildirim holds a BSc in Geological Engineering from Cumhuriyet University.

Atila Sefunc

Senior Staff Geophysicist

Atila is a geophysicist with a BSc from Istanbul University and MSc from Ankara University in Petroleum Geology and Advanced Structure Geology. He spent 25 years at TPAO as a seismic interpreter in Turkey, Egypt, Azerbaijan and Libya.

Prior to joining AME, Atila was Senior Geophysicist and Geophysical Interpretation Systems manager at Arar, Merty and Tiway. Atila has attended training courses in the US, Turkey, UK and Libya. He has also tutored in Turkey on Seismic Interpretation. He has several published and unpublished reports, is a member of SEG, Turkish Association of Petroleum Geologists, TAPDG and UCTEA, Chamber of Geophysical Engineers. His responsibilities are focused on AME's ongoing exploration and production projects.

Ahmet Kose

Senior Reservoir Engineer

Ahmet Kose is a senior reservoir engineer with more than twenty-five years of experience. Before joining AME, he worked for many years in TPAO and in several international companies. Ahmet graduated from Petroleum and Natural Gas Engineering Department of Middle East Technical University.

Ilker Vural

Drilling Operations Manager

Ilker Vural graduated from Petroleum and Natural Gas Engineering Department of the Middle East Technical University. Prior to joining AME, Vural worked for different energy companies both in Turkey and abroad as DSV, Co. Man and Consultant positions and has various experiences both planning and performing oil and gas drilling operations onshore, offshore, slim hole, geothermal. At AME, he is responsible from the Company's drilling operations. Ilker Vural is a member of Chamber of Petroleum Engineers in Turkey.

M. Necati Akinbingol

Finance Manager

Necati graduated Gazi University's Faculty of Business Management in 1987. Having worked in various companies as a Finance Manager he joined AME in 2010 and is largely responsible for AME's financial and treasury operations, maintaining the Company's accounts, banking, budgeting and reporting to the board.



Cem Ozsoy

Financial Controller

Cem graduated Gazi University's Faculty of Business Management in 2001. He also has a Master's Degree on Finance and Accounting from Gazi University Institute of Social Sciences. He started his professional career at Ernst & Young at 2002. After resigning from Ernst Young at 2005, He worked as manager at Independent Accountants Company between 2005 and 2010.

He established Accountthink Outsourcing and Consultancy 2010 which serves as accounting and advisory company to foreign companies (especially for energy, oil & gas, mining industries).

Volkan Kayalak

Production and Well Completion Manager

Volkan Kayalak graduated from Azerbaijan State Oil Academy with Bachelor of Science in Petroleum Engineering. He worked as Production Engineer in various E&P companies with detailed experience on well site production operations especially Artificial lift operations (rod pumps, PCP pumps and ESP pumps) and production string design.



2019 - REVIEW OF BUSINESS OPERATIONS AND FUTURE DEVELOPMENTS

Aladdin Middle East Ltd (AME, “the company”) is an independent oil and gas exploration, development and production company with operations in Turkey.

Chairman and CEO’s statement

AME has maintained its aggressive exploration and development program throughout 2019. From July to October AME completed an intensive seismic program on its profitable East Sadak lease, whilst concurrently drilling 2 East Sadak wells. ES-11 which was put on production and ES-12 which is awaiting completion. Petek-3 was successfully drilled on the Petek production lease taking less than 4 months to breakeven and extending the play in an Easterly direction. While testing a deeper section, Basakli-1 encountered an additional productive layer in the Mardin interval. The well drilled

on the Gedikasar/Birini lease produced mixed results, with the discovery of gas but with poor porosity from AME’s first well on this acreage. Therefore, plans have been drawn up to spud a 2021 well on the Gedikasar prospect on the same block. AME’s drilling rig mobilized to Altınakar-2’s location in December 2019 and the well was put on production with an artesian flow by 25 February 2020. Throughout 2019, considerable technical analysis was performed on the Resan license to prepare for the spudding of AME’s first well on this license in 2020. In 2019 AME bid on a gas prone exploration license -Bartın- toward the Black Sea region north west of Ankara which AME was awarded in February 2020. As well as being highly prospective, it also provides AME with both regional and product counterbalance to its south east oil prone leases & licenses.

Operational highlights

The East Sadak-11 development well (ES-11) - spudded 18 March 2019 on the East Sadak production lease where AME has an 88% working interest and was put on production (following a side-track) 22 July 2019 averaging 200 bbls per day. East Sadak 12 (spudding 2 August 2019) reached terminal depth by September but did not encounter commercial hydrocarbons. The results of both wells confirm the fractured nature of the East Sadak reservoir. To further assess the complicated structure of East Sadak, a 2D seismic campaign over the field, using explosives and vibroseis trucks, was commenced in July 2019 and completed in October 2019. Interpretation is ongoing, the results of which may also provide a sidetrack target for ES-12.

Petek-3, a development well over the Petek lease where AME has a 50% working interest, spudded 15 March 2019 and was put on production 29 April 2019 at an initial rate of 300 barrels oil per day. This rate was increased to 350 bop/d in May. PT-3 was positioned to be on the easterly flank of the structure and its results point to the reservoir extending beyond its location. Petek-4, on the westerly side of the structure, is expected to be spudded in 2021 as soon as location access has been granted by the local authorities.

On the Altınakar-Başaklı lease where AME has a 50% working interest, the deepening of Basakli-1 well to a lower horizon failed to encounter hydrocarbons at this lower depth (Palaeozoic, Bedinan sandstones), although a hitherto unknown additional layer of hydrocarbons was encountered at the higher Cretaceous Mardin level from where Basakli-1 had been producing. It was decided to convert this well to a water disposal well in anticipation of future production from this lease. Altınakar-2, an appraisal well (a separate reservoir on the same lease as Başaklı)



was spudded 10 Jan 2020. This well also targeted both the Mardin Group (limestone carbonates) and lower Bedinan (Paleozoic sandstones) levels. A full set of logs were run at the Mardin interval (at 1,501 to 1,922 meters) showing signs of heavy oil that may be tested again in the future. The well was then drilled 2,291 meters, to the lower sandstone interval. Altınakar-2 was completed by perforating 4 ½ production liner, having recovered oil during swabbing, and on 25 February started producing with artesian flow at an initial rate of 720 bbl/d.

The Resan exploration license where AME has currently an 100% working interest, is still being studied in preparation of drilling one well and/or a seismic program in 2020. A joint venture partner is being sought for this license.

Preparations are also on-going to spud the first exploration well on the Gedikasar prospect of the Birini/Gedikasar lease where AME has an 88% working interest. The 2019 Birini well drilled (to 2,200 meters) on the lease produced mixed results, with the discovery of gas but with poor porosity. Therefore, field study, location and permit expenditures have been incurred anticipating the spudding of a well on the Gedikasar prospect by 2021 - the lease duration has been extended by one year (now due to expire March 2021).

AME's share of production is now around 930 bop/d from all leases.



Licenses/leases

The gas prone license in the Black Sea region of Bartın- North West of Ankara was awarded to AME in February 2020. The available G&G data is being studied; a joint venture partner is being sought for this license.

Staffing

AME's staffing levels remain around 130 employees with just over one hundred operational and remainder located in head office. A successful 2020 work program could add another 15 to the operational head count and one or two at head office.

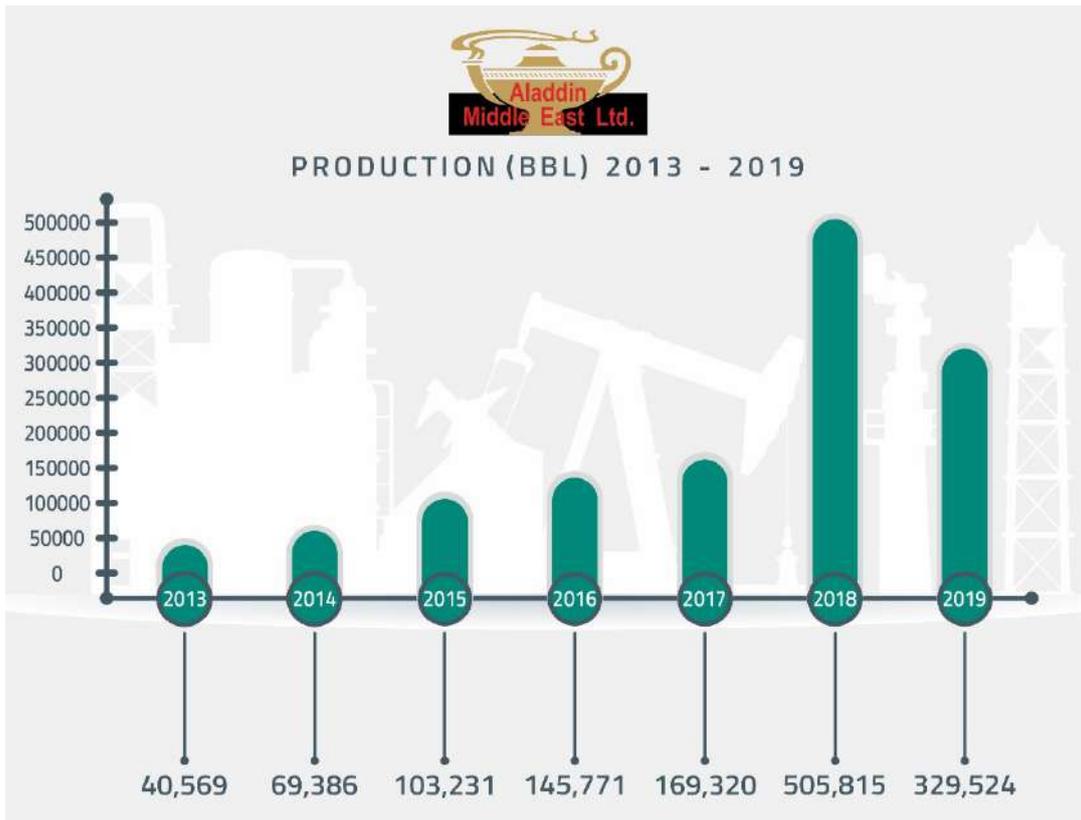
Outlook

The company continues to focus on operated leases & licenses to grow production and reserves. The seismic program over East Sadak is intended to determine the ideal location of future wells in addition to providing greater certainty to reserve volumes. The target is to produce 1,600 bbls/d by year end from this lease. The Resan exploration license is drill ready and could quickly add to company reserves. As could the Gedikasar/Birini concession if production can be established before the expiry of the lease in March 2021. With the granting of the Bartın exploration license in the gas prone region between Ankara and the Black Sea, AME will also have a more diverse portfolio in terms of geography and product. Technical work has commenced to identify the location of AME's first well on this license, which is planned for 2021. In 2020, non-operated leases will initially contribute at least 500 bbls per day net to AME which in part is due to the success of Altınakar - 2. Altınakar-Altınakar-3 is spudded on 30 May 2020 and Altınakar-4 is also planned to be drilled during 2020. In any case it is certain that these non-operated leases will make a more significant contribution to company cash flows in 2020.



Cautionary statement

This financial report contains certain forward-looking statements that are subject to the usual risk factors and uncertainties associated with the oil and gas exploration and production business. Whilst the Directors believe the expectation reflected herein to be reasonable in light of the information available up to the time of their approval of this report, the actual outcome may be materially different owing to factors either beyond the Company's control or otherwise within the Company's control but, for example, owing to a change of plan or strategy. Accordingly, no reliance may be placed on the forward-looking statements.



OPERATIONS



OPERATIONS



OPERATIONS

EAST SADAK LEASE OYMANTEPE FIELD

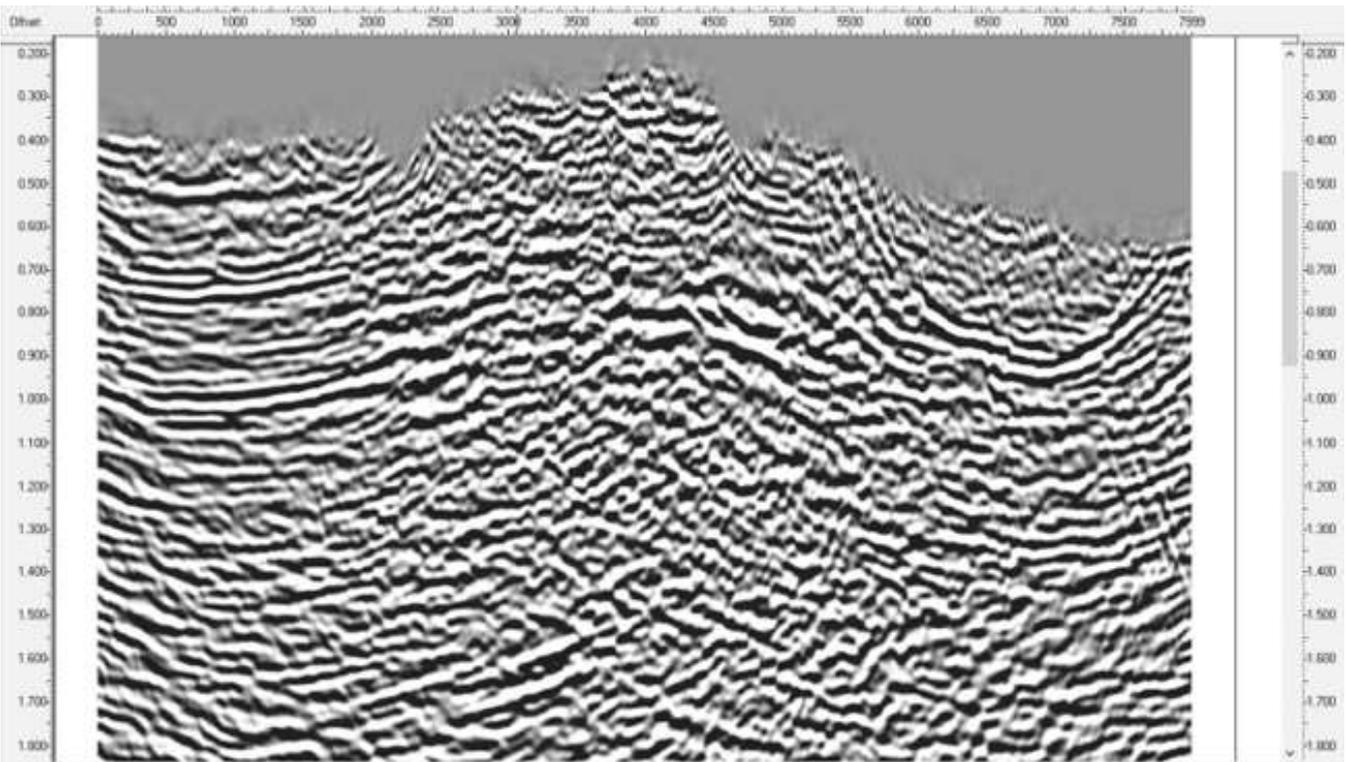
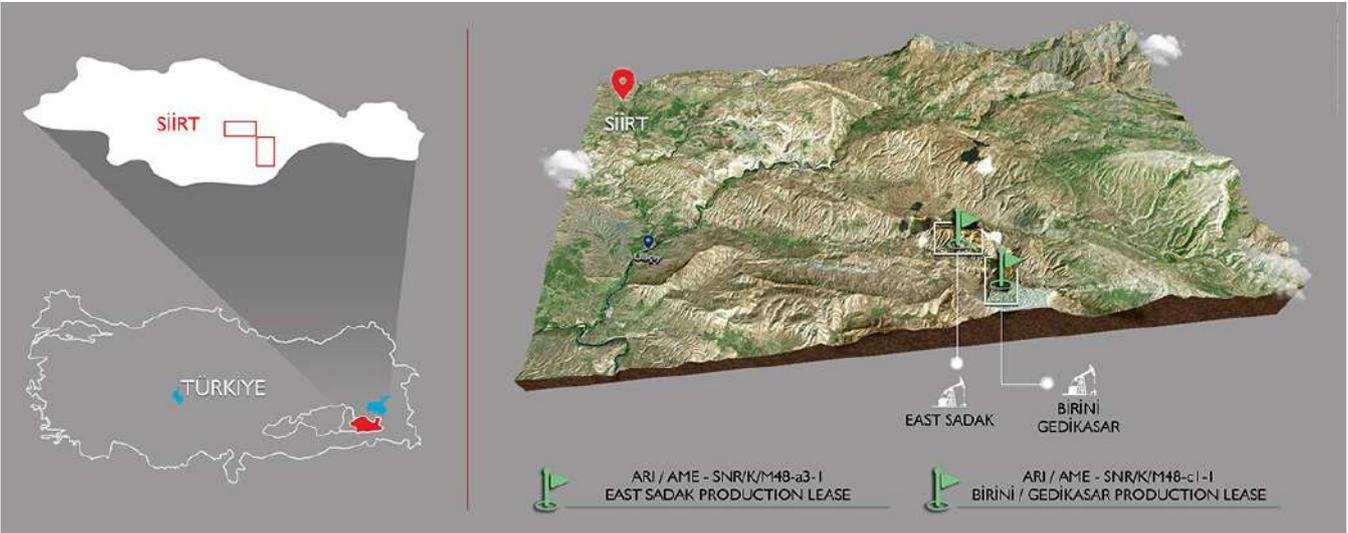
Thumbnail:

Key data:	Details
Production Lease	ARI/AME-SNR/K/M48-a3-1
Expiry date	March 2038
Operator WI %	88%
Production zone	Mardin, API 43
Current production	667 bbls/d (total net field)
Remaining reserves	25MM bbls (total field)
Valuation (NPV10)	\$185MM (net to AME @ \$43 Brent)

Eruh Lease “ARI/AME-SNR/K/M48-a3-1” is covering an area of 7652 hectares, in the city of Siirt, on the North of Arabian plate and neighboring very attractive/promising huge oil discoveries in Raman and Garzan. Cretaceous Garzan/Sinan Formations, Mardin Carbonates and Jurassic/Triassic Cudi Groups layers have potential according to the previous geological studies. The lease is on the trend with the world-scale Iraqi oilfields of Kirkuk, discoveries of Tawke in Northern Iraq.

From July to October 2019 AME completed an intensive 120 km seismic program on its profitable East Sadak lease, whilst concurrently drilling 2 East Sadak wells. ES-11 which was put on production and ES-12 which is awaiting completion.

East Sadak (Oymantepe) Oil Field was discovered with a 43,05 API gravity oil from Cretaceous Reservoir in January 2014 by AME. The field is producing 667 bopd and cumulatively 1,119,906 bbls oil were produced as of 31 December 2019. AME holds 88% WI in this concession.



EAST SADAK LICENSE

OPERATIONS

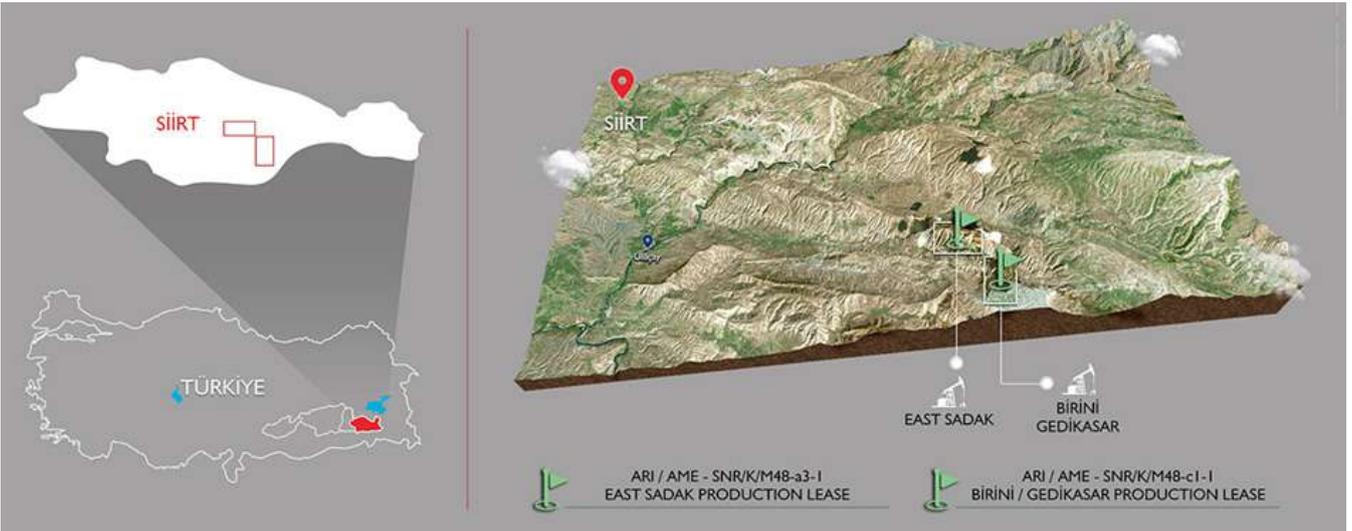
GEDIKASAR-BIRINI LEASE

Thumbnail:

Key data:	Details
Production Lease	ARI/AME-SNR/K/M48-c1-1
Expiry date	March 2023
Operator WI %	88%

Contiguous to East Sadak (Oymantepe) Production Field trend, Birini-Gedikasar Production Lease “ARI/AME-SNR/K/M48-c1-1” covers an area of 15.322 hectares in the cities of Siirt and Sirnak, is granted on April 4th 2018 for a period of 5 (five) years starting from 28th March 2018. AME holds 88% WI in this concession. East Sadak-10 (Birini-2) exploration well was spudded in November 2018, encountered gas and this prospect is being assessed for commerciality.





OPERATIONS

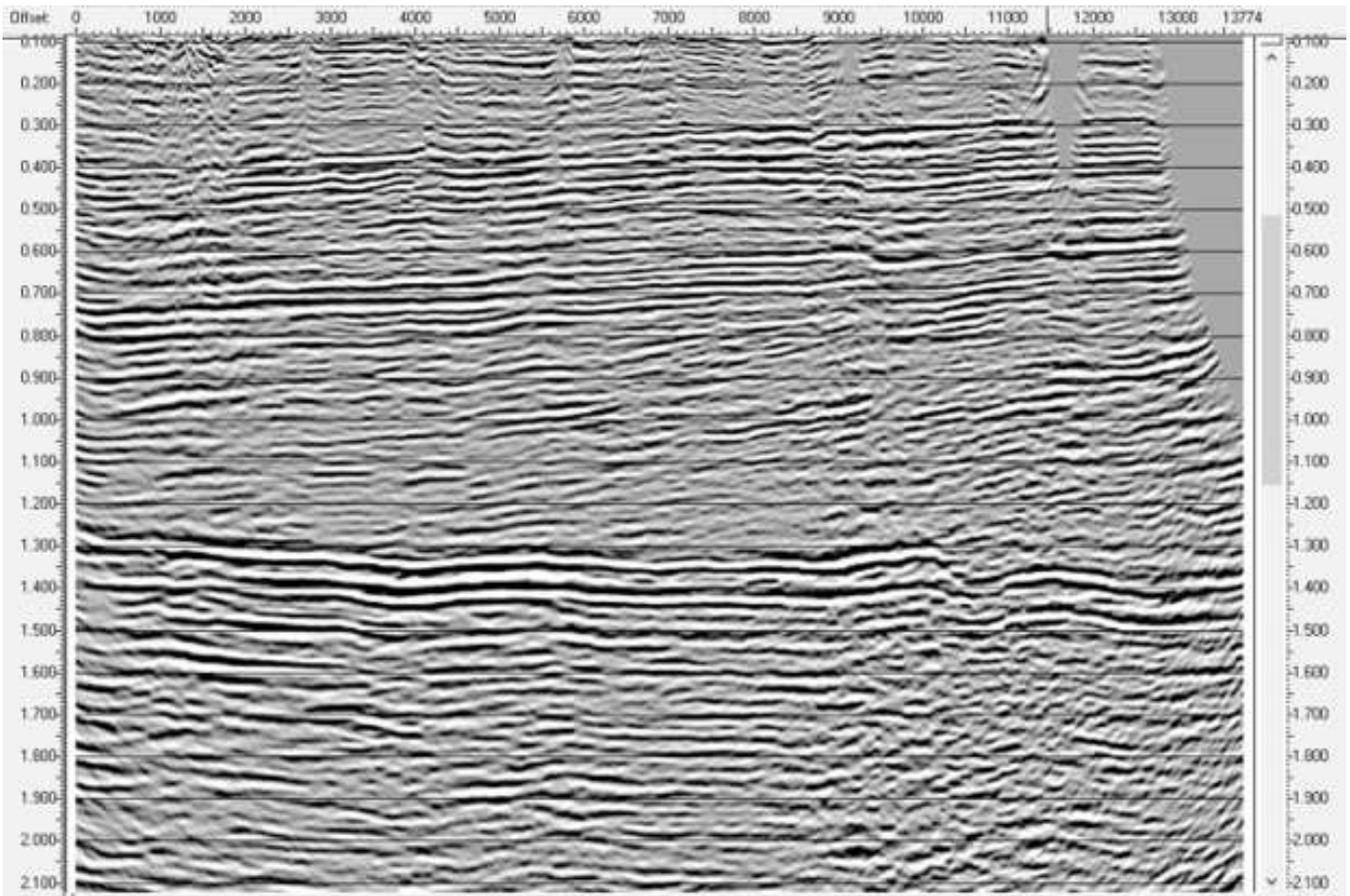
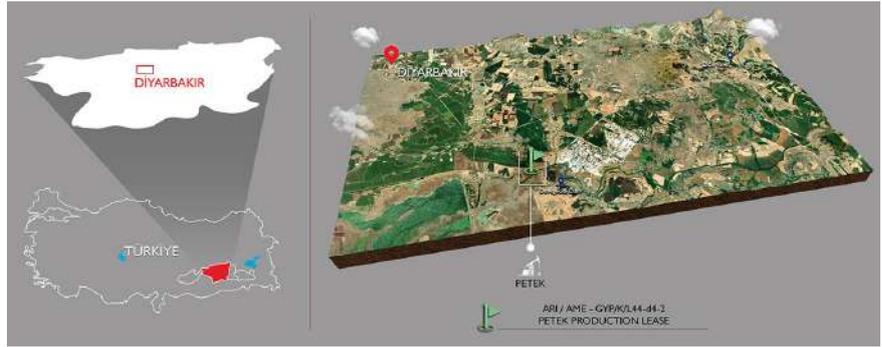
PETEK LEASE

Thumbnail

Key data:	Details
Production Lease	ARI/AME-GYP/K/L44-D4-2
Expiry data	Nov 2030
Non-operator WI %	50%
Production zone	Mardin, API 36
Current production	308 bbls/d (total net field)
Remaining reserves	4.9MM bbls (total field)
Valuation (NPV10)	\$6MM (net to AME @ \$43 Brent)

Petek oil field is located at NW to the city of Diyarbakir on the SE Anatolian Basin and covers an area of 4,223 hectares. The basin is the most active and oil prone basin in Turkey and it is located on the northern extension of the famous oil prone of the Arabian Plate, where the geology is very similar to Northern Iraq and Syria. However, in the SE Turkey Basin, the major reservoir and source rocks are not as prevalent as in the Arabian Plate. The basin contains rocks from Precambrian to recent that were deposited under different environmental conditions. Mostly rocks having cretaceous source and reservoir quality are considered to form the main petroleum system, but Palaeozoic mainly Silurian petroleum system is also present. The late Cretaceous Mardin Group is a widespread sedimentary sequence in the south eastern Turkey from where most production is achieved.

Petek-1 well was put on production 11 February 2014 producing from Cretaceous reservoir in the Mardin Group carbonates . Petek-2 was added in August 2017 and Petek-3 in 2019, all 3 producing with 35.9° API gravity. Cumulatively 312,575 bbls oil were produced as of 31 December 2019. AME holds 50% equal WI with GYP.



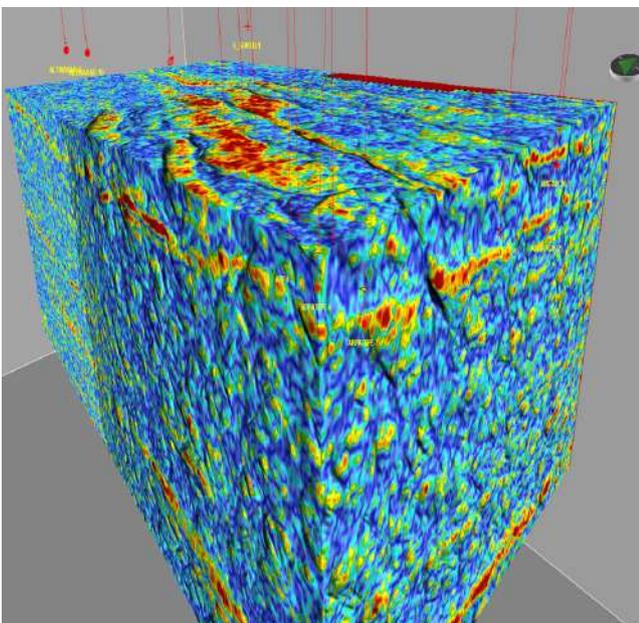
PETEK LICENSE

OPERATIONS

ARPATEPE LEASE

Thumbnail

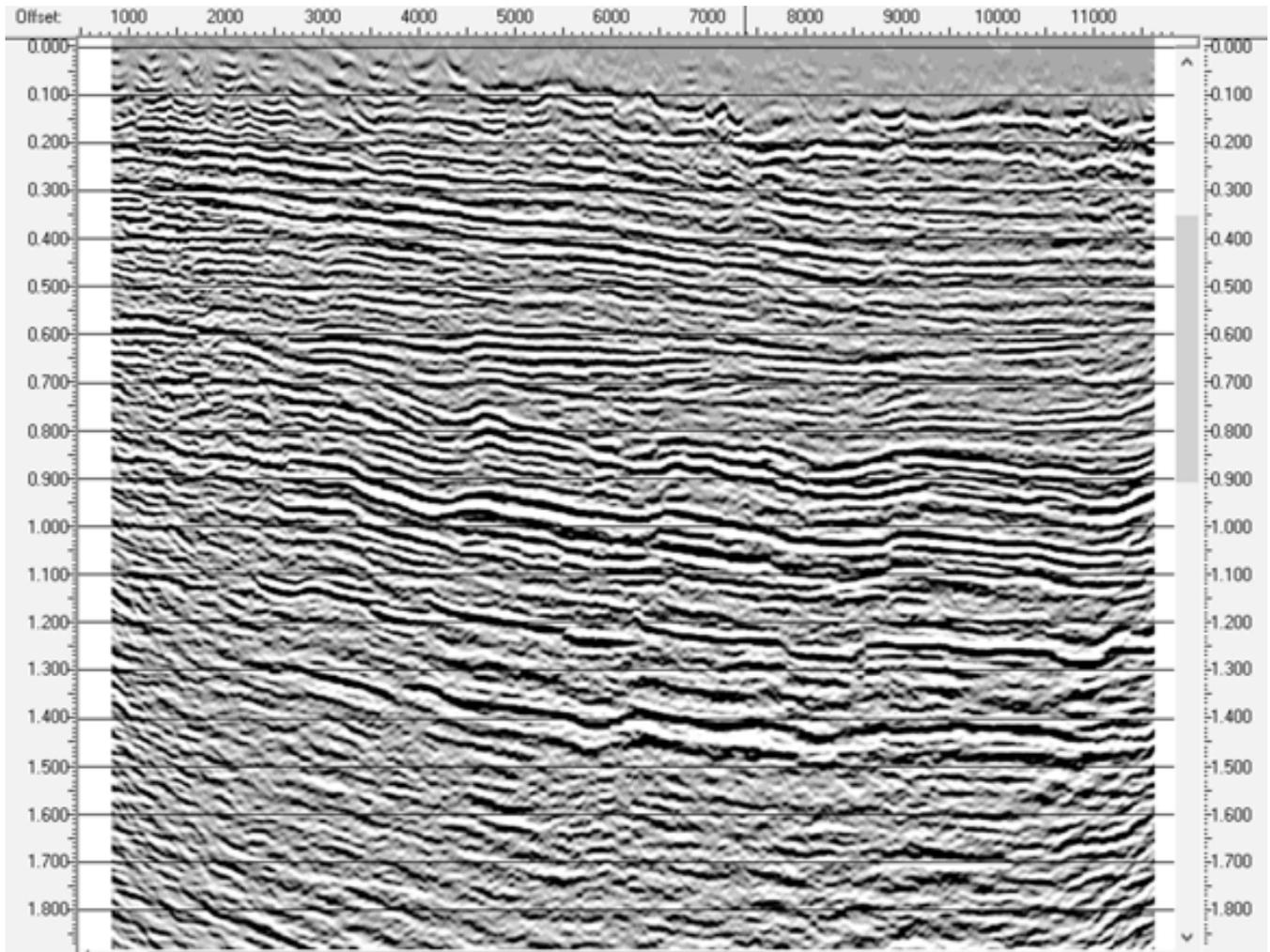
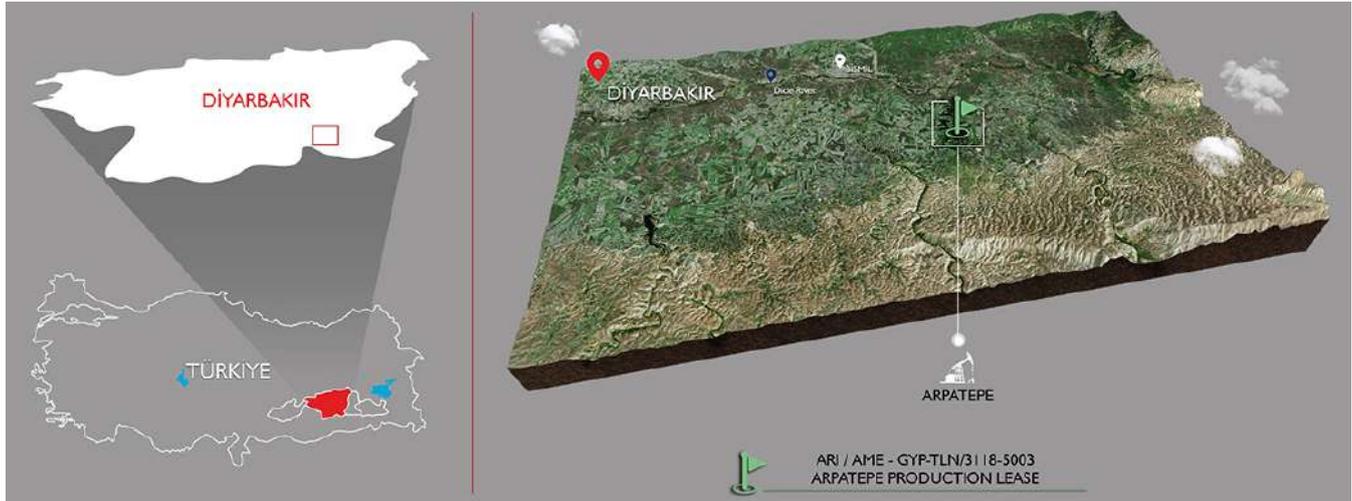
Key data:	Details
Production Lease	ARI/AME-GYP-TLN/3118:5003
Expiry date	Apr 2030
Non-operator WI %	20%
Production zone	Bedinan, API 41
Current production	273 bbls/d (total net field)
Remaining reserves	1.2MM bbls (total field)
Valuation (NPV10)	\$2MM (net to AME@ \$43 Brent)



The Arpatepe Production Lease is situated within the foreland belt of SE Anatolian Basin and covers an area of 4,532 hectares. The SE Anatolian Basin is the most active and oil prone basin in Turkey and it is located on the northern extension of the famously oil prone Arabian Plate, where the geology is very similar to Northern Iraq and Syria. However, in the SE Turkey Basin, the major reservoir and source rocks are not as prevalent. Paleozoic aged Dadas fm. source and Bedinan Sandstones reservoir is considered to form the main Paleozoic petroleum system. Late Cretaceous Mardin Group is a widespread sedimentary sequence in southeastern Turkey from where most production is achieved.

41 API gravity oil discovered in Paleozoic Bedinan Sandstone in Arpatepe-1 Well, in 2008 by an AME led consortium opened a new era in oil & gas exploration in the region. Daily net oil production is approximately 265 bbls/day from 4 production wells and cumulatively 1,268,695 bbls oil have been produced as of 31 December 2019.

Many Paleozoic and Cretaceous Prospects which are undrilled and have good potential, were defined with available data in concession area. AME holds 20% WI. Other partners are 50% WI holder TransAtlantic Petroleum Corporation, the operator of the license and 30% WI holder GYP.



OPERATIONS

KARAKİLİSE LEASE

Thumbnail

Key data:	Details
Production Lease	ARI/AME-GYP/K/L44-D3-1
Expiry data	Nov 2030
Non-operator WI %	50%
Production zone	Mardin API 29
Current production	8 bbls/d (total net field)
Remaining reserves	4.7MM bbls (total field)
Valuation (NPV10)	\$5MM (net to AME@ \$43 Brent)

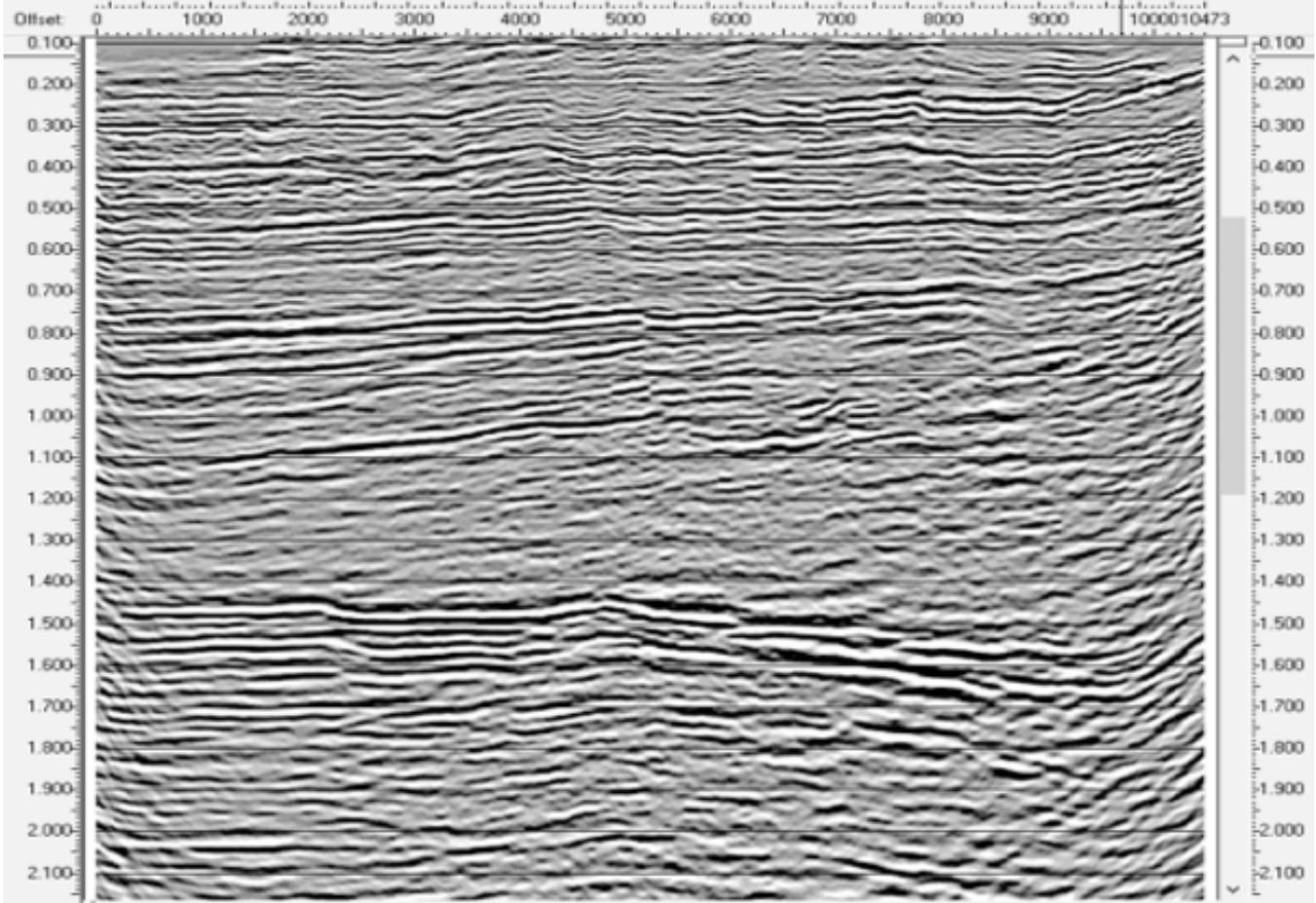


Karakilise Field is situated within the foreland belt of SE Anatolian Basin and covers an area of 4,223 hectares. The SE Anatolian Basin is the most active and oil prone basin in Turkey and it is located on the northern extension of the famously oil prone Arabian Plate, where the geology is very similar to Northern Iraq and Syria. However, in the SE Turkey Basin, the major reservoir and source rocks are not as prevalent. The basin contains rocks from Precambrian to recent that were deposited under different environmental conditions. Mostly rocks having cretaceous source and reservoir quality are considered to form the main petroleum system, but Palaeozoic mainly Silurian petroleum system is also present. The late Cretaceous Mardin Group is a widespread sedimentary sequence in south eastern Turkey from where most production is achieved.

31 API gravity oil was discovered in Mardin Carbonates in Karakilise-1 Well, in 2003. Current daily net oil production is ~8 bbls/day from the Karakilise-1 Well. and cumulatively 105,858 bbls oil were produced as of 31 December 2019. AME and GYP hold 50% equal WI in this concession.

Many Paleozoic and Cretaceous Prospects which are undrilled and have good potential, were defined with available data in concession area. This block in the appraisal and development phase.

Further studies will also be made to test the unconventional Dadas shale potential believed to be very productive in the license.



OPERATIONS

ALTINAKAR - BAŞAKLI LEASE

Thumbnail

Key data:	Details: Altınakar	Details: Başaklı
Production Lease	ARİ/AME-GYP/K/M44-B3-1	
Expiry data	May 2027	
Non-operator WI %	50%	
Production zone	Bedinan API 41	Mardin API 21
Current production	500- bbls/d (total net field)	- bbls/d (total net field)
Remaining reserves	10MM bbls (total field)	4.8MM bbls (total field)
Valuation (NPV10)	\$44MM (net to AME@ \$43 Brent)	\$8MM (net to AME@ \$43 Brent)



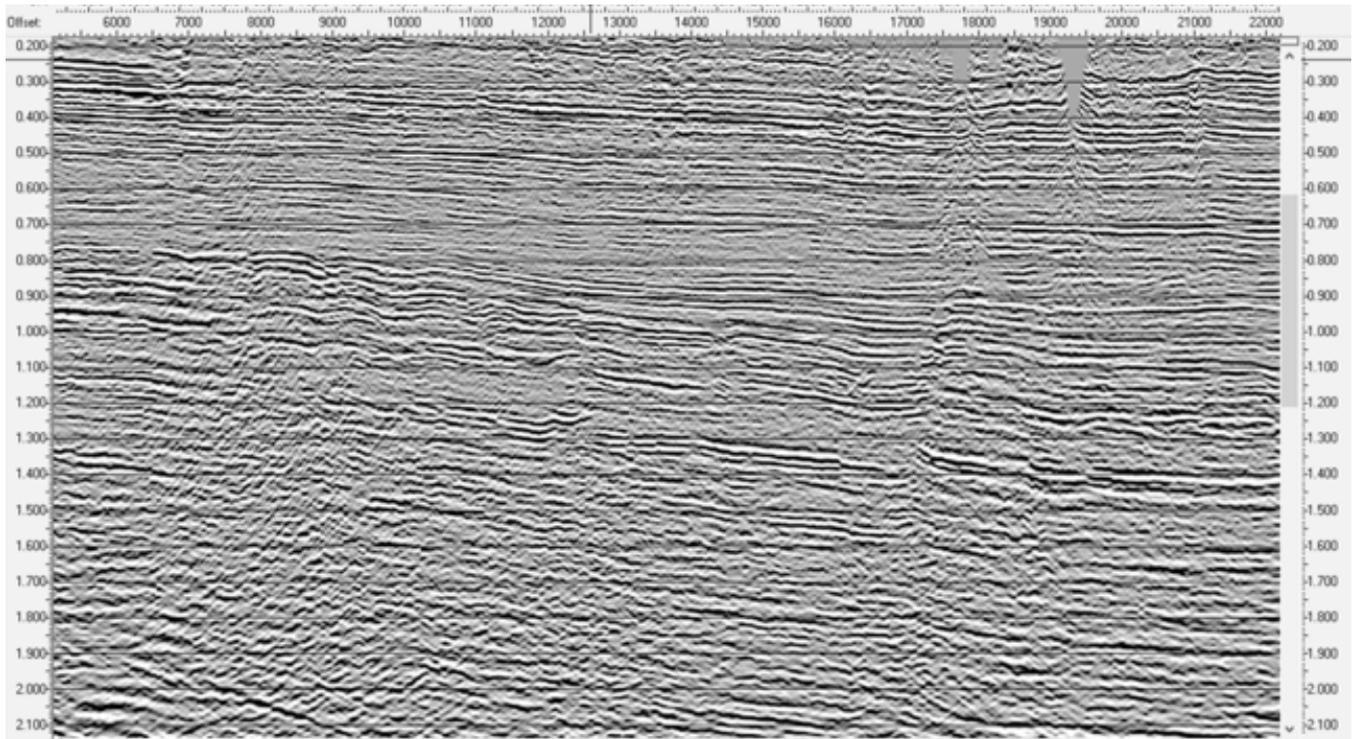
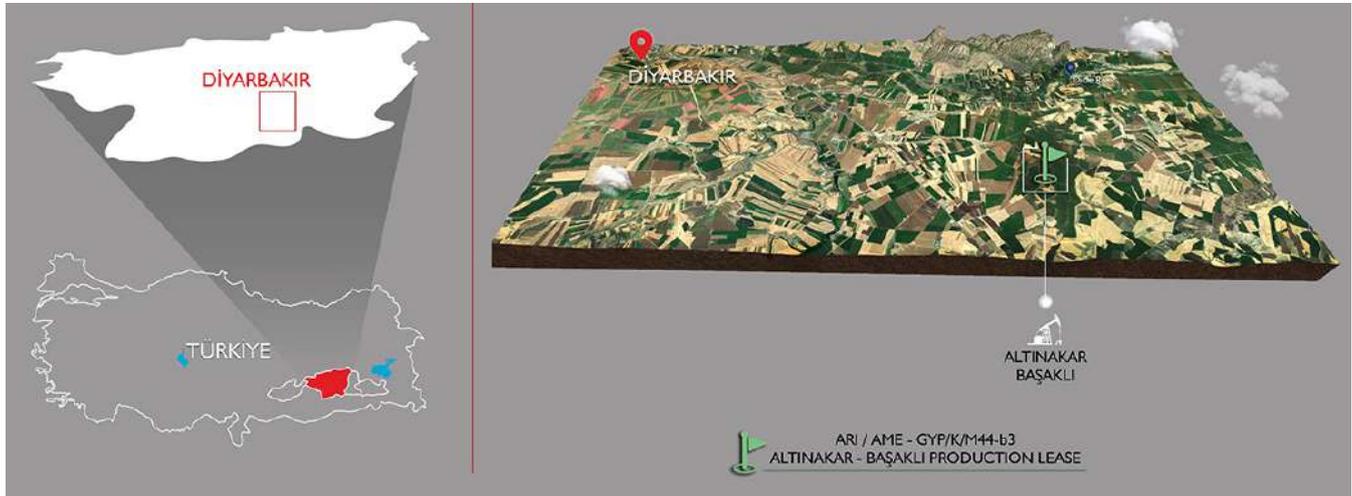
The Altınakar-Başaklı lease is also situated within the foreland belt of SE Anatolian Basin and covers an area of 15,281 hectares. The SE Anatolian Basin is the most active and oil prone basin in Turkey and it is located on the northern extension of the famously oil prone Arabian Plate, where the geology is very similar to Northern Iraq and Syria. However, in the SE Turkey Basin, the major reservoir and source rocks are not as prevalent. The basin contains rocks from Precambrian to recent that were deposited under different environmental conditions. Mostly rocks having cretaceous source and reservoir quality are considered to form the main petroleum system, but Palaeozoic mainly Silurian petroleum system is also present. The late Cretaceous Mardin Group is a widespread sedimentary sequence in South Eastern Turkey from where most production is achieved.

14 API oil in Mardin was discovered by the Altınakar-1 Well, in 2011 and 17,009 bbls oil was produced until August 2012. Altınakar-1 Well was then deepened in 2012 and 41 API oil was discovered from Paleozoic Bedinan Sandstones. Current interpretations indicate that the Altınakar-1 Well is located on the flank of structure but, having tested commercial oil in both potential reservoirs gives very encouraging results for future seismic and drilling to commence in this promising license.

Many Paleozoic and Cretaceous Prospects which are undrilled and have good potential, were defined with available data in concession area. The block is in the appraisal and development phase.

On one of the defined prospects, oil is discovered with Basakli-1 Exploration Well in the north part of the license, production commenced in July 2014 and cumulative production from Basakli-1 reached 35,309 bbl. AME and GYP hold 50% equal WI in this concession.

AME's drilling rig mobilized to Altınakar-2's location in December 2019 and the well was put on production with an artesian flow by 25 February 2020.



OPERATIONS

ZEYNEL - NEMRUT LEASE

Thumbnail

Key data:	Details: Zeynel	Details:Nemrut
Production Lease	ARI/AME-GYP/3170-3215	
Expiry data	Dec 2020	
Non-operator WI %	25%	
Production zone	Mardin API 23	Mardin API 24
Current production	23 bbls/d (total net field)	9 bbls/d (total net field)
Remaining reserves	1.4MM bbls (total field)	0.1MM bbls (total field)
Valuation (NPV10)	\$-MM (net to AME)	\$-MM (net to AME)



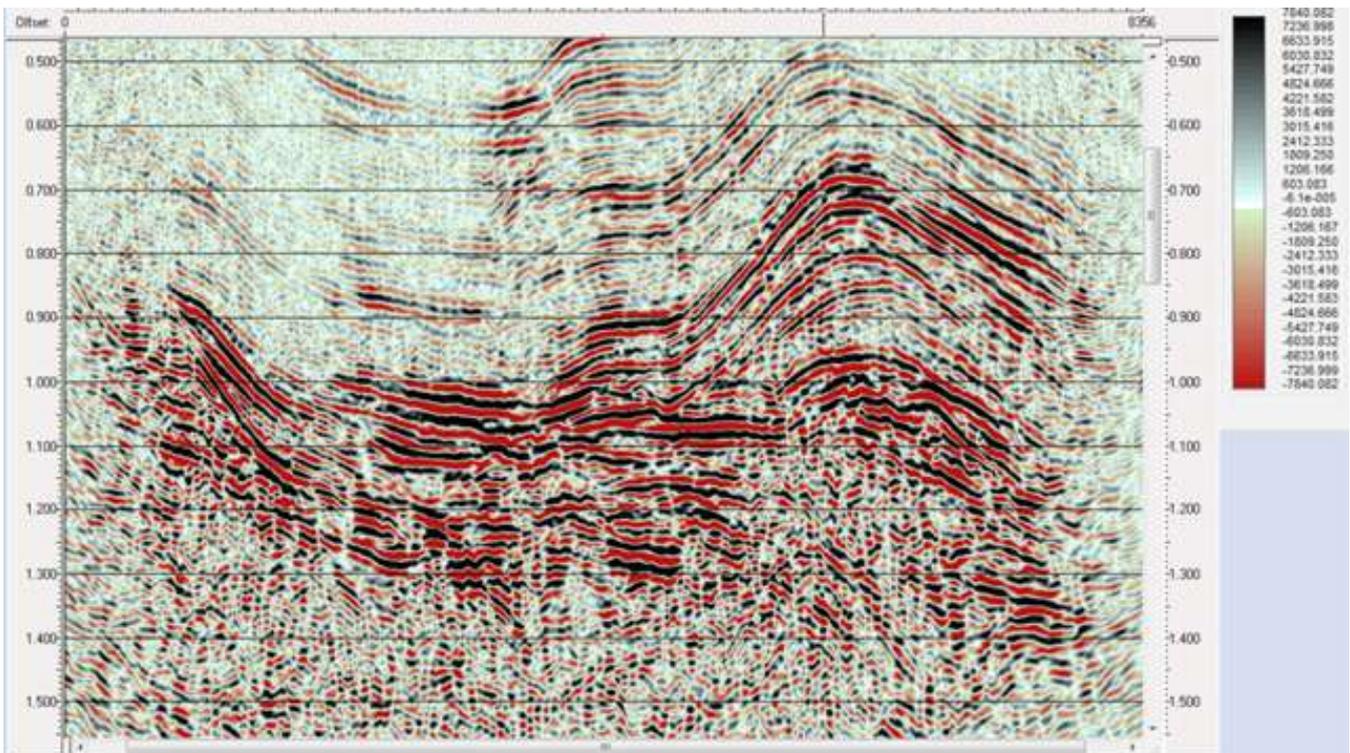
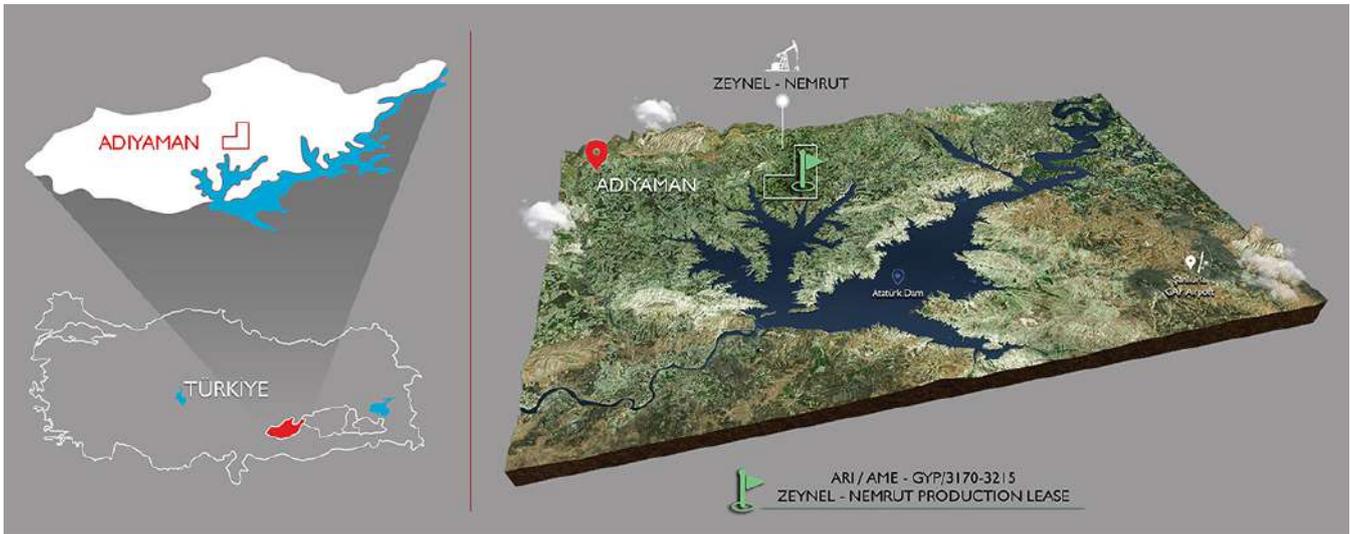
Zeynel-Nemrut oil field is located to the west of the SE Anatolian Basin in the Adiyaman province and covers an area of 9.800 hectares. Stratigraphy in this region starts with Precambrian units, though these units were not penetrated in this part of the basin. Precambrian units are overlain by Cambrian and Ordovician clastics including Sosink and Bedinan formations.

Upper Cretaceous Mardin Group carbonates are the most important reservoirs in the region. Karabogaz and Sayindere limestones are regarded as reservoir horizons if the fractures from Karababa reach upward into these formations. Underlying Turonian-Cenomanian aged Karababa and Derdere

formations are considered secondary targets. Pelagic facies of the Derdere Formation, and dark muddy carbonates of the Karabogaz Formation have good source rock quality. Their TOC ranges from 0.5% to 7.8% and the kerogen types are I and II. Germav Formation shales serve as the main seal rocks. The tight zones of the unfractured Karabogaz and Sayindere Formations act as local seals for the Mardin Group carbonates.

The Zeynel-Nemrut Oil Field was discovered in 1989 by AME. To date, 23 wells have been drilled in Zeynel Field, 4 wells in Nemrut Field and 4 wells in Hasancık Field and over 2,4 million barrels of 23 API gravity oil have already been produced as of 31 December 2019. The total monthly oil production of the Zeynel-Nemrut-Hasancık Fields is around 1,000 bbls/month. AME holds 25% WI in the concession.

The JV partners are planning to apply for a 10 years lease extension.



OPERATIONS

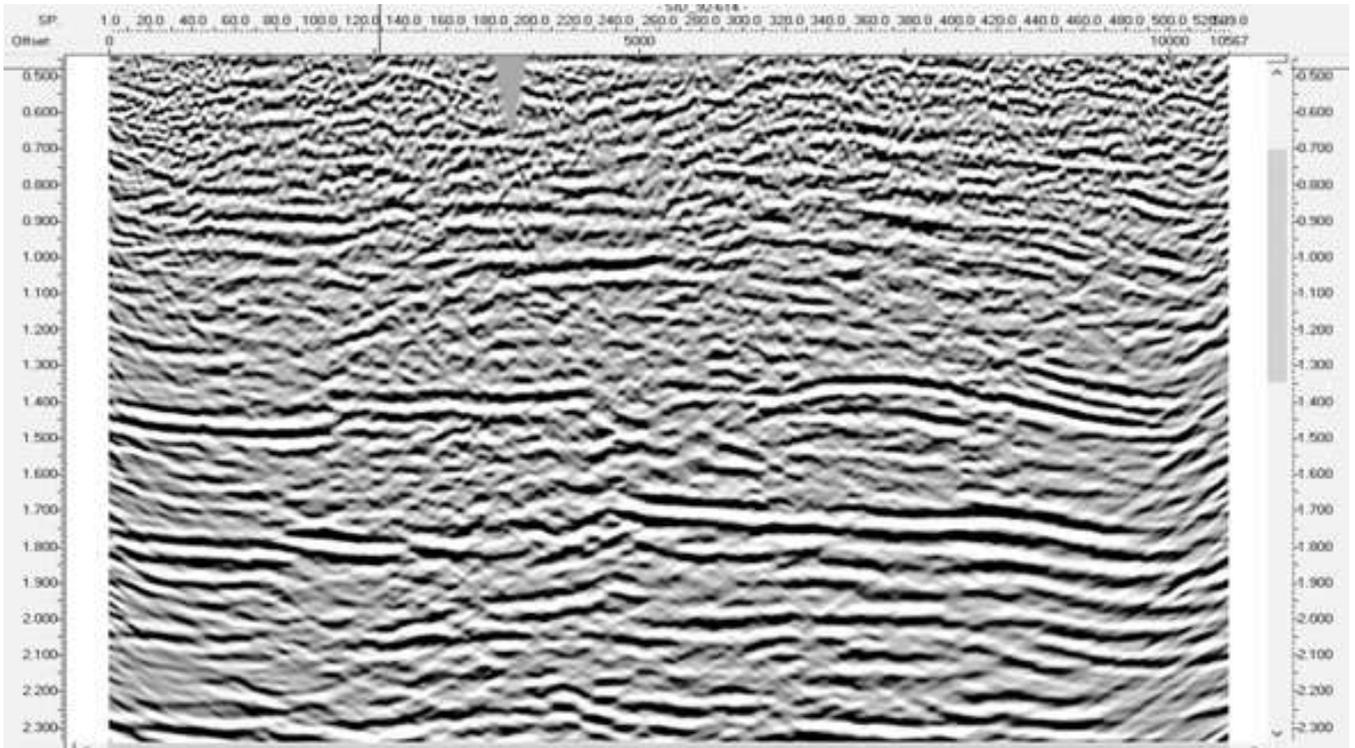
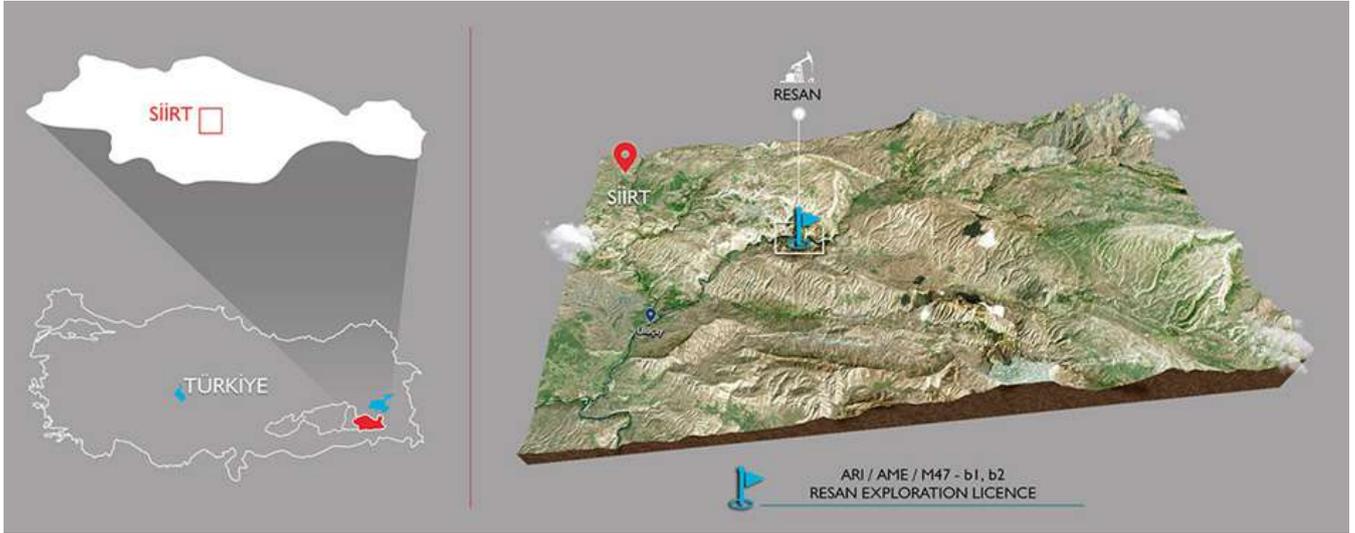
RESAN LEASE

Thumbnail

Key data:	Details
Exploration License	AR/AME/K/M47-b1-b2
Expiry data	May 2023
Operator WI %	100%

The Resan exploration license, covering an area of 30.548 hectares, located in Siirt province, and lies to the northwest trend of Eruh discovery. AME's first well on this license is expected in 2020.





RESAN LICENSE

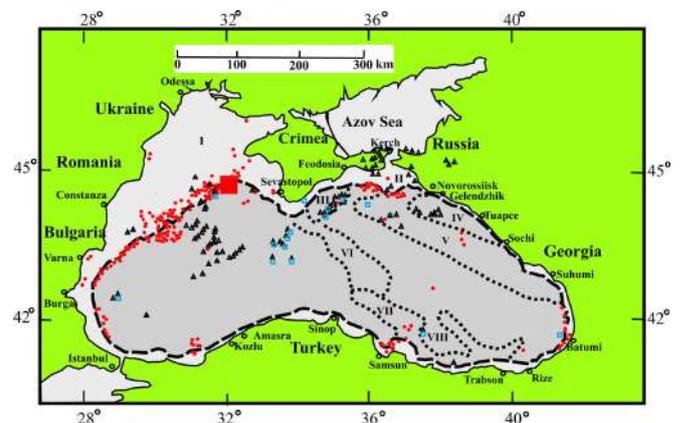
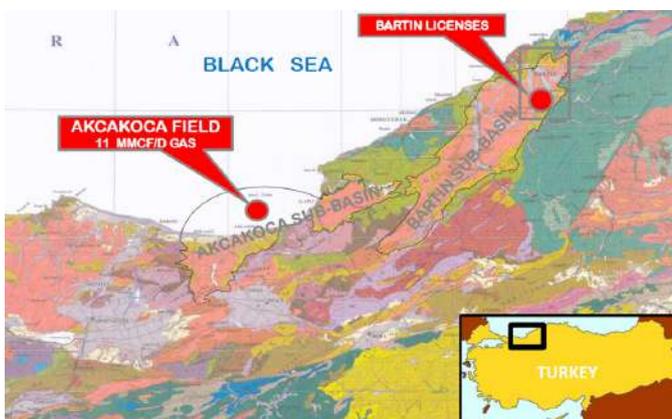
OPERATIONS

BARTIN LICENSES

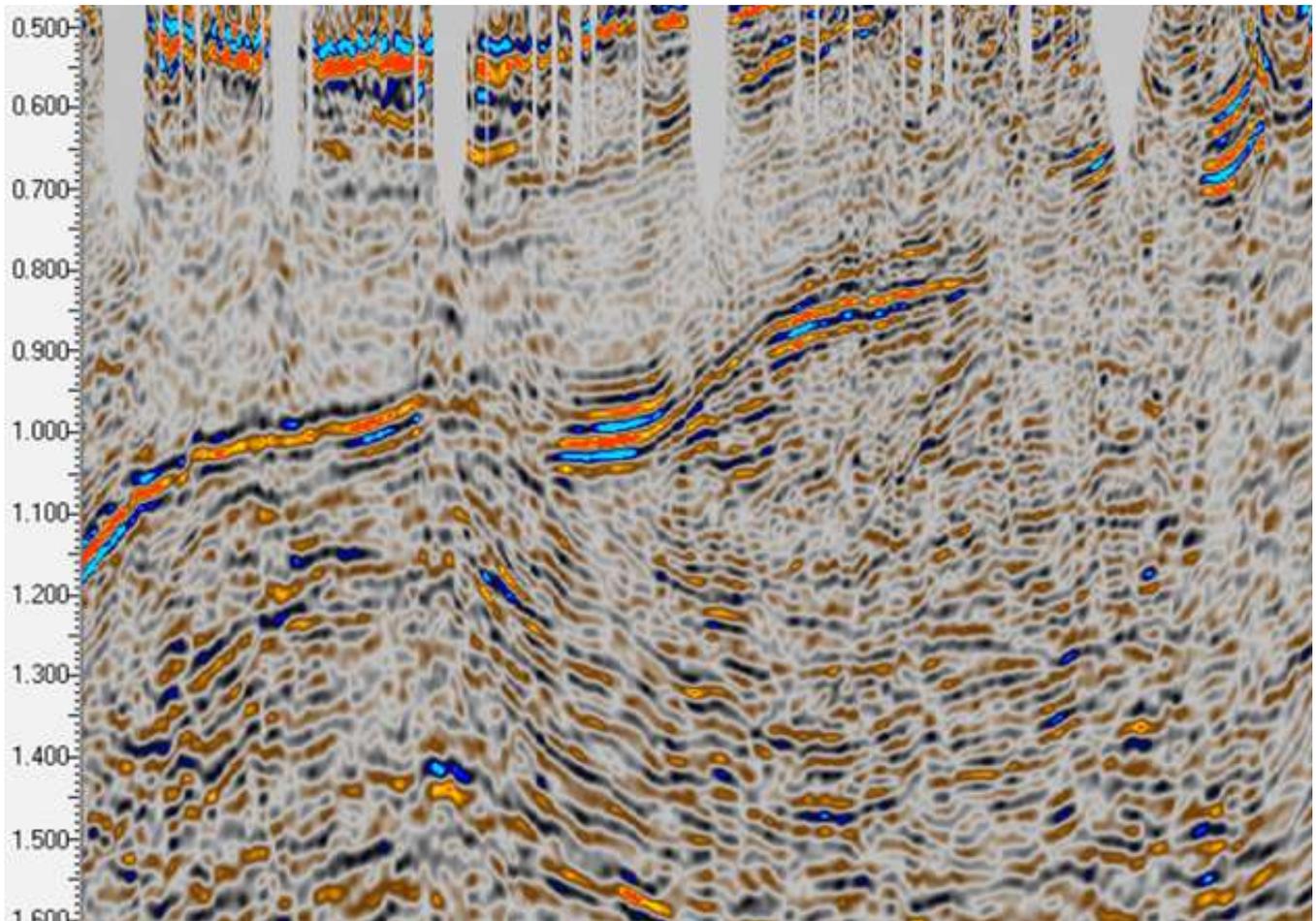
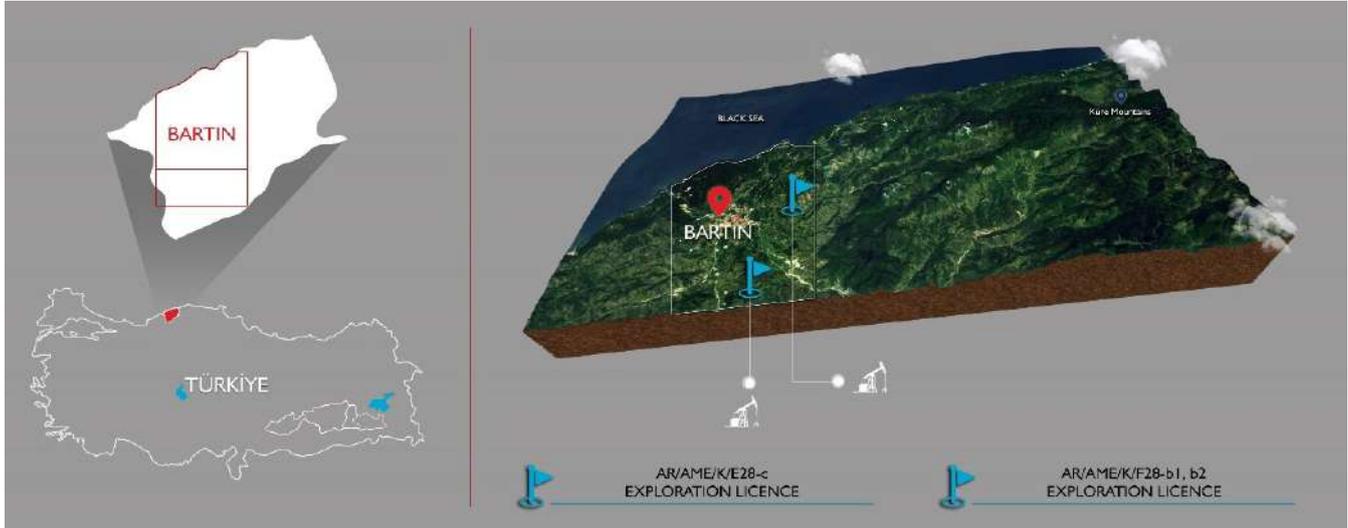
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Key data:	Details
Exploration License	AR/AME /K/E28-C AR/AME/K/F28-b1, b2
Expiry data	Feb 2025
Operator WI %	100%

Bartın Licences “AR/AME /K/E28-C and AR/AME/K/F28-b1, b2 are covering an area of 83,391 hectares, in the cities of Bartın & Zonguldak, onshore on the Western Black Sea Basin and neighboring very attractive/promising gas discovery in Akçakoca Field. Tertiary Kusuri Formation has potential according to the previous geological studies. The lease is on the trend with the world-scale discoveries of Lebada, Ana, Doina, Domino off-shore Fields at Black Sea.



Location of the mud volcanoes gas seeps and gas hydrates in the Black Sea (Çifçi et al. 2002; Kutas et al. 2002; Vassilev & Dimitrov 2002; Egorov et al. 2003; Shnyukov & Ziborov 2004; Klauke et al 2006; Popescu et al. 2007)



AME RIG INVENTORY

AME-101 DRILLING RIG

MODEL: IDECO H-725

MAST: Model: Gin Pole Mast BBM133-430, Height: 138ft, Number of max lines: 10, Base Width xDepth: 19x7 ft, Number of Sheaves: 6, Main Cluster Sheave Diameter: 44", Fast Line Sheave Diameter: 54"

DRAWWORKS: Model: IDECO H-725-D & COMPOUND DRAWWORKS, HP Rating: 725 HP, Drawwoks Hoisting Drum: 40 3/4" x 18" OD, Brakes Type Cooling: Circulating, Rotary Speeds: 2 Fvd-1 Re., Drilling Rope Size: 1 1/8"

Hydromatic Brake: Model: McKinney 23CCW, Brake Capacity: 5000 HP, Diameter: 23", Maximum Speed:1550 rpm

SUBSTRUCTURE: Capacity: 425klbs,Size: 14' high x 26' wide x 56' long

DRIVE GROUP: Engine Model: CAT-3406, HP Rating: 2 x420hp,Generator Model: CAT-3412,HP/Kw Rating: 2x 890hp/ 2x 664kW,Full load RPM: 1800,Frequency: 60hz

TOP DRIVE: Model: CANRIG- 6027/AC Capacity: 275mt Motor rating: 600hpMax RPM: 180 Weight: 22klbs Break-out capacity: 54000 ft.lb, Make-up capacity: 50000 ft.lb

Top Drive Engine: Model: CAT: D399,Power: 1100hpFull load RPM: 1200Alternator: 1200rpm- 600V-1000AHydraulic system dynamo: 1755rpm- 19,5A- 60hz

ROTARY TABLE: Model: RG-ZP275, Rated Static Load: 4540kN,Max Rotation Speed: 300 rpm,Hatch Diameter: 27-1/2",Transmission Ratio: 3.67,Overall Dimension: 2392x167x685 mm,Floor Height: 14 ft

MUD SYSTEM: Mud Pumps:Pump Model: 2x F1600 Triplex Mud Pump,Rated Horsepower: 1,600 HP, Rated Pump Speed: 120 SPM,Maximum Liner Size by Stroke Length: 7" x 12",Gear Ratio: 4.206:1

Pump Engines:Engine Model: D399, Rated Horsepower: 1310 HP,Full load RPM : 1200

Mud Pits:Total Tank Capacity: 1100bbl, Agitators: 4x 7,5kW + 5x 11kW, Hopper Centrifuge: 3x 75kW 6"x8"x14" (2 on hopper pit, 1 on suction pit), 40bbl Slug Tank, 1200bbl water containing pits

Solid Control System: M-I SWACO Mongoose PRO Platform dual motion adjustable shale shaker with possum belly distribution box with bypass, 440-480V/60Hz//1800rpm/3 phase., API screen area 21.2 ft, weir height 29".Explosion proof, UL rated motors -20 to +40 Degree C ambient, control box, and connections.Mud Cleaner: Derrick FLC-503 Desilter: 16x 4" Hydrocyclones & 75kW 6"x8"x14" Centrifugal pump, Desander: 2x 10" Hydrocyclones & 75kW 6"x8"x14" Centrifugal pump, Other Mud System Equipments: De-gasser: Kemtron KT-DG-1200 Vacuum Degasser, Poor Boy De-gasser, Stand Pipe: 4 1/2"x 5000psi. Y-R Type Mud Manifold w/4ea 4"x5M OTECO Gate Valve

WELL CONTROL SYSTEM: 13 5/8" x5000psi Annular BOP, 13 5/8"x 5000psi Double Ram BOP w/9 5/8"-7"-5"-4 1/2"-3 1/2"-Blind rams.

IRON ROUGHNECK: Model: NOV ST-80C, Tubular (Tool Joint) OD Range: 4-1/4" to 8-1/2" ,Spin Speed: 75 RPM ,Spin Torque: 1,750 ft-lbs ,Maximum Make-up Torque: 60,000 ft-lbs , Maximum Break-out Torque: 80,000 ft-lbs

KELLY& SWIVEL :King Oil Tools 25MB-14 300t Swivel,Square 4 1/4" Kelly, 6 5/8 REG LH B- 4 IF P

AME-201 WO/DRILLING RIG**MODEL: SKYTOP BREWSTER RR 750****Depth Range:**

2500 m. with 5" DR, 3200 m. with 3-1/2" DR

Mast:

Skytop Brewster 112-300XF, 34 m. (136 ft)

Substructure:

Height: 5.18 m (17 ft)

Clearance to the beams: 4.1 m. (13.6 ft)

Crown Block:

Skytop Brewster, Grooved 1", Capacity 136 t.

Travelling Block & Hook:

BJ Unimatic, Capacity 150t.

Engine:

650 HP, powered two (2) DD 465 HP 8V92TA diesel engine, torque converted two (2) Allison CLT 5860 transmission with built-in converter – six gears forward, one reverse, full torque shifting.

Drawworks:

Parmac SR-22, 22» hydromantic brake and circulating water brakes.

Sandreeel:

All mounted on the carrier Skytop Brewster 618, four (4) hydraulic leveling jacks.



COMMUNITY DEVELOPMENT

Before entering a new license, we engage and consult with local communities to understand their priorities and local needs. We partner with and invest in communities close to our operations to achieve mutual long-term benefits, and we see it as our responsibility to help local people develop the skills to thrive and play a part as we work with them to unlock the potential of Turkey's natural resources. Around 80% of AME's employees are from the local community, with such direct employment making a tangible difference to local areas.



Pictured: Siirt Governor visit to AME East Sadak Field



Pictured: AME meeting with local representatives at Eruh

Supporting and sustaining the communities in which we operate is fundamental to our ongoing success and our commitment to being a sustainable business.

Education and health remain key priorities for AME's community work. Both through our operations and through training programs we seek to maximize opportunities for people of all ages. AME also supports local amateur teams.



Pictured: AME celebrating its 58th year

The Central-Eastern Europe and Caspian (CEEC) Scout Group is a group of companies with upstream oil and gas assets within the Central-Eastern Europe and Caspian area which aims to keep the regional oil and gas community connected. The Group started its activity in 1994, with eight founding members and currently has some 70 member companies. The meetings take place twice a year, in early May and early October. AME had the privilege of hosting 52nd CEEC Scout Group Meeting in 3-5 October 2019.



HSE AND ENVIRONMENT

AME's HSE management system defines our approach to managing health, safety and environment matters across all of its facilities and activities. The system provides compliance requirements as well as practical guidance and procedures for all staff conducting operations or managing sites to achieve our health, safety and environmental objectives as an integrated part of our overall goals. Our operations are managed in accordance with our policy of minimizing environmental impacts and potential adverse effects. This includes a focus on effective design, efficient operation, and site restoration projects.

Pursuant to Article 14 of the Environmental Impact Assessment Regulations, AME's permit for higher production levels from our East Sadak and Birini/Gediksaar fields has been granted. AME is the first independent oil company in the country to achieve this permit.



Pictured: AME's EIA certification.

MEMBERSHIPS

Aladdin Middle East Ltd.

- A 'Producer' member in good standing of the International Association of Drilling Contractors (IADC).
 - A member of Canadian-Turkish Business Council (CTBC).
 - A member of the American Business Forum in Turkey (ABFT) an associate of the American Chamber of Commerce.
 - A corporate member of the Turkish-American Association.
-
- A founding member of the Petroleum Platform Association (PETFORM) an association of Turkish and foreign oil and natural gas companies in Turkey.
 - Ankara Chamber of Commerce (ATO) member.
 - Ankara Chamber of Industry (ASO) member

CORPORATE DIRECTORY

Bankers

CrossFirst Bank, Wichita, Kansas, United States

İş Bank, Ankara, Turkey

TEB (BNP Banque Paribas Turquie), Ankara, Turkey

Garanti BBVA, Ankara, Turkey

Auditors: KPMG

Tax Advisors: Arslan Kaya

CONTACT

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Aladdin Middle East Ltd. Operational Headquarters

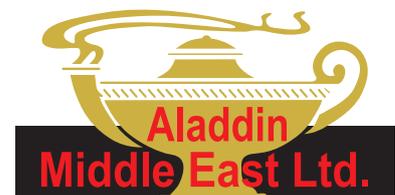
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Aladdin Middle East Ltd.
 Delaware File No: 0570126



Eruh 2D Seismic Project, Siirt, Turkey



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