



2018 Annual Report



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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.

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) that have short, medium and long-term commercial potential.

The Future of Aladdin Middle East

AME has been increasing production since 2011 resulting in 2018 being its best year 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.

MESSAGE FROM THE PRESIDENT

Aladdin Middle East – A Trusted Name for 57 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 57 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.

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 57 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



Yilmaz Öz
Honorary Chairman of the Board

Mr. Yilmaz 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 is married with three children and currently resides in London.

THE BOARD OF DIRECTORS



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 has 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

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.

Halil Aktas **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.

Cagatay Beydoğan **Strategy and Corporate Relations Manager**

Cagatay Beydoğan 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.

Çağatay has logistics, 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 Yıldırım 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. İlker 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.



2018 - 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 level of investment completing three wells and spudding a fourth in 2018. Two of these successfully completed wells were on the East Sadak field on the East Sadak production lease. These wells contributed to making 2018 an extremely profitable year. The third completed well in 2018 was drilled on the East Sadak lease found uncommercial hydrocarbons at the target depth but added to our understanding of a higher gas producing layer on this lease. AME’s final well in 2018 was on the Birini lease, spudding in 2018 but completing in 2019, it also encountered gas at various intervals. Palynology and gas studies are on-going to understand the lithology and productive potential of the Birini lease. AME’s portfolio expanded with the addition of the Resan exploration license on the same regional trend as the East Sadak lease. The first exploration well on this license will be drilled in 2020, with a 5-year window to achieve commercial production and secure a longer term production lease in accordance with the Petroleum Law. In 2019 AME intends unlocking as much of its acreage’s protentional as possible with a back-to-back drilling program in 2019, covering 6 separate leases/licenses.

Operational highlights

On the Eruh license (where AME has an 88% operating interest) appraisal well East Sadak 6 (spudding in November 2017) was completed at terminal depth (TD) of 2,605 meters and put on production (5 Feb 2018) at the Mardin formation. By the end of 2018 ES-6 had already produced over 300,000 barrels of oil and is to date AME’s most successful well on

this lease. The next well, ES-7, reached TD at 2,800 meters by April 2018. The lower depth required to touch the Mardin formation suggests a geologic fault between ES-6 & ES-7. Additionally, the lower order of porosity and permeability at this depth meant that production was only possible from the immediate drainage area of the well making it uncommercial. ES-7 was subsequently used to test a higher gas prone interval at 950 meters and production tests are on-going from this interval to assess if there are commercial volumes of gas. ES-8 reached TD during the testing of ES-7 and although it was put on production in October it also suffered from lower porosity and permeability and therefore lower production volumes than ES-6. Therefore, rather than spudding ES-9 on the same easterly trend, it was decided to prepare for an intensive 2D seismic program in 2019 to further examine where these faults occur and identify the optimal location for the next well(s) on this flank of the East Sadak lease. The gap in the drilling program was filled by the drilling of our first well on the Birini lease (which contains both the Birini and Gedikasar prospects). This exploration well was spudded November 2018 and reached TD of 2,160 meters early in 2019. The results to date suggest that the area is gas prone although some oil shows were observed. Since the lithology sequence was significantly different from the near-by East Sadak wells, tests are being undertaken to precisely identify the age of the producing sections in this well. Currently the well is shut in and regular pressure tests will be performed to assess its long-term productive capacity. The presence of hydrocarbons encourages the drilling of another exploration well in 2019 on the adjacent Gedikasar prospect in the same lease. On 18 March 2019 the first of a series of wells on the more productive westerly flank of the East Sadak lease – ES-11 – was spudded. It reached TD of 2,725 meters by 22 May encountering oil shows but in low porosity limestones and it was decided to side-track the well from around 1,200 meters in a northerly direction to a distance of 250 meters. This operation was on-going at the date of the report ES-12 will be spudded following the completion of ES-11.

In 2018 preparations also commenced to spud AME’s first well on our new Resan exploration license in 2019. Existing seismic has been bought and reprocessed, the interpretation of which suggest that there may be more than one play on this license. However, as AME is committing to doubling its capital investment in 2019 compared to 2018, the intention is to farm down this lease (from 100% working interest to around 65%) and spud the first well in 2020.

Apart from necessary maintenance and workovers there was little activity in 2018 on AME’s non-operated licenses. However, the 2019 work program contains a one well re-entry on the Arpatepe lease (AME WI 20%), two development wells on the Petek lease (AME WI 50%), one appraisal well on the Altinakar lease (AME WI 50%) and on the same lease the deepening of an existing well – Basakli-1 – targeting the Palaeozoic horizon at 2,400 meters (BS-1 had been producing from the Cretaceous at 1,620 meters). This re-entry began on 24 January 2019. During drilling Basakli-1 encountered oil shows at a lower Cretaceous section only

100 meters deeper than the original producing level. The well continued to be deepened and reached TD at 2,500 meters but did not encounter hydrocarbons at this level and the Basakli-1 will shortly be converted to a water injection well. The first of the Petek development wells, Petek-3, spudded on 15 March 2019 and was drilled to a TD of 2,200 meters by 27 April 2019. It was put on production at an initial rate of 300 barrels of oil per day (AME share 150 bbls/d) by 29 April 2019. Petek-4 is planned for later in the year.

AME's share of production is now around 1,000 bop/d from all leases.

Licenses/leases

As the Eruh exploration license expired on 28 March 2018, AME applied for production leases covering the East Sadak field and the leads contained within the Eruh license. Resultingly, two production leases were granted effective 28 March 2018 and gazetted 4 April 2018. Production lease ARİ/AME-SNR/K/M48-a3-1 covers the East Sadak reservoir and is for an initial period of 20 years. Production lease ARİ/AME-SNR/K/M48-c1-1 includes the Birini and Gedikasar leads and is for an initial period of 5 years with a 2-year window to achieve production. If commercial quantities of hydrocarbons are produced in that time frame, then the lease period can be extended to 20 years. In 2018, AME made an application for additional exploration acreage on the Resan license. This license was awarded to AME on 20 June 2018 under exploration license number AR/AME/K/M47-b1-b2. AME has a 100% working interest in the license which is valid for 5 years.

Staffing

As AME moves from the exploration to exploitation phase on its operated Eruh license the number and skill sets of our employees needed to change and expand. Therefore, AME has added to its production staff and has also recruited a petroleum engineer in 2018. Staffing levels are now around 130 with 24 head office and 106 field based.

Financial highlights

The profit from continuing operations for the year ended at 31 December 2018 was \$20,708,957 (2017: \$874,702). The total profit before tax for 2018 was \$19,975,766 (2017: \$336,518). The directors do not propose any dividend. Cash and cash equivalents at 31 December of \$ 2,206,184.

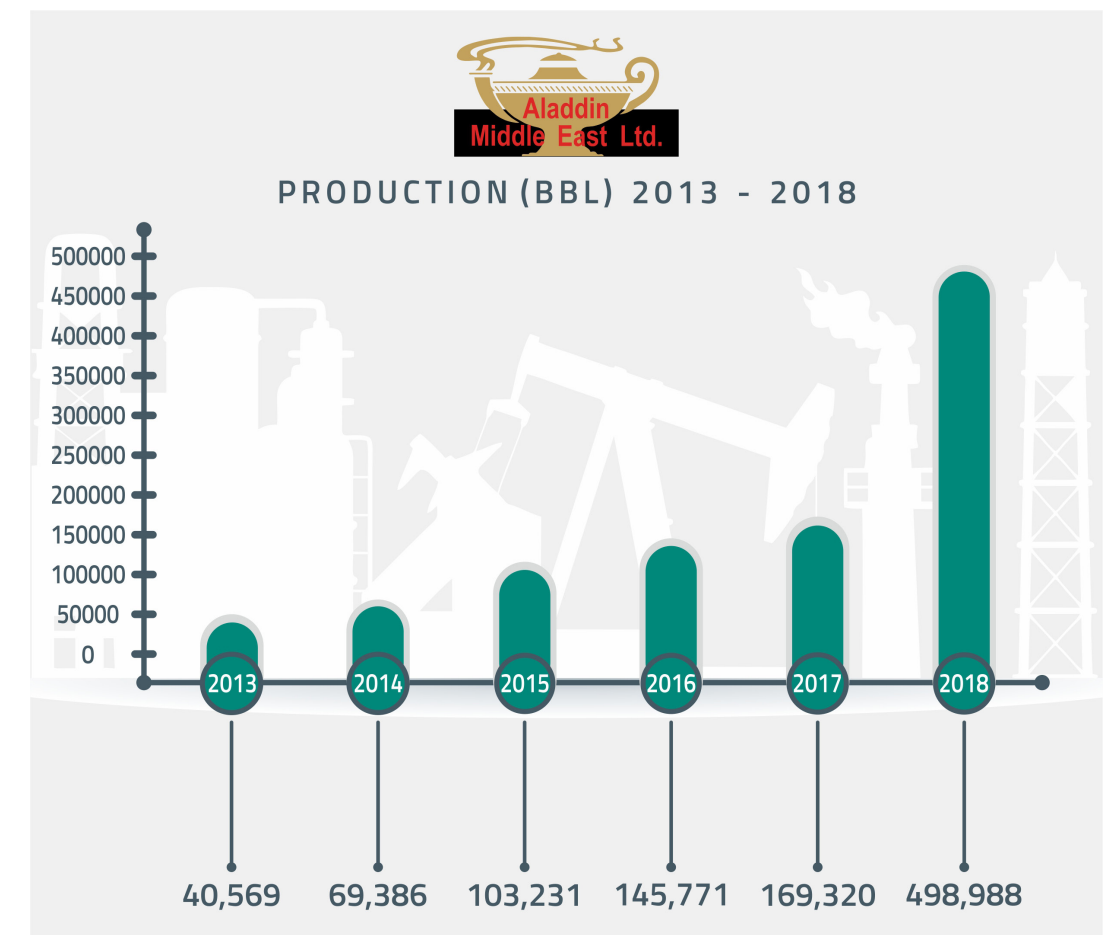
Outlook

The company continues to focus on growing production and is targeting over 2,500 bbls per day net in 2019 by adding ES-11 and ES-12 to East Sadak's well inventory in addition to improving production from our non-operated leases with several development wells on these concessions. Our first wells on the Gedikasar prospect and on the Resan licence

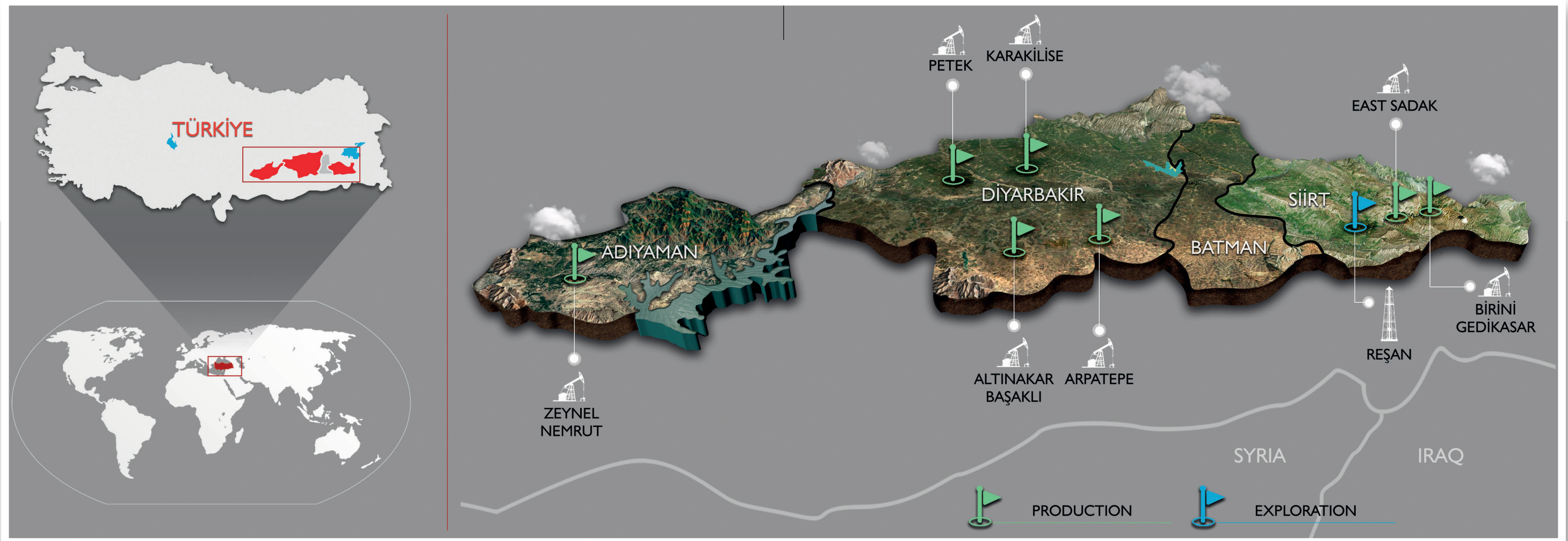
are also hoped to add to recoverable reserves. AME is now financing its capital program through its own cash flows and is forecasting improved profitability in 2019 compared to 2018. To capitalize on this commercial momentum, AME established a UK subsidiary in 2018, with the aim of raising AME's international profile, looking at a broader range of projects whilst accessing the capital to exploit any opportunities arising.

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



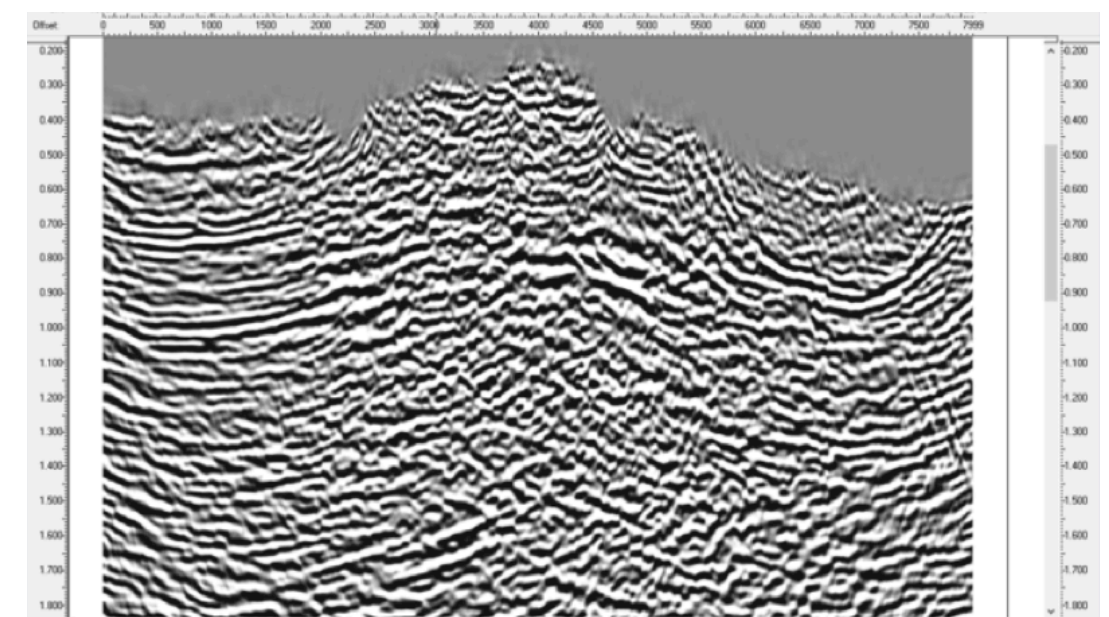
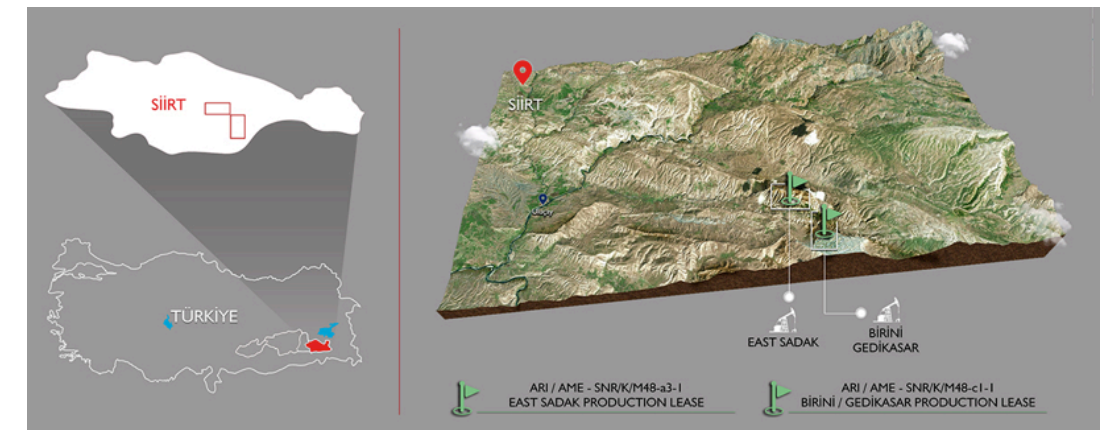
EAST SADAK LEASE - OYMANTEPE FIELD

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	1,024 bbls/d (gross)
Remaining reserves	25MM bbls (gross)
Valuation (NPV10)	\$313MM (net to AME)

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 neighbouring 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.

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 1000 bopd and cumulatively 845.022 bbls oil were produced as of 31 December 2018. AME holds 88% WI in this concession.



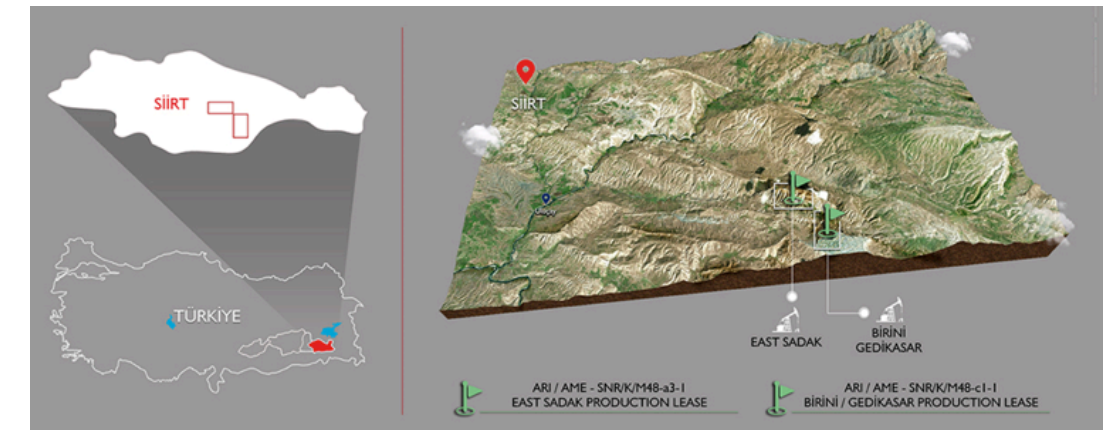
EAST SADAK LICENSE

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 is being assessed for commerciality.



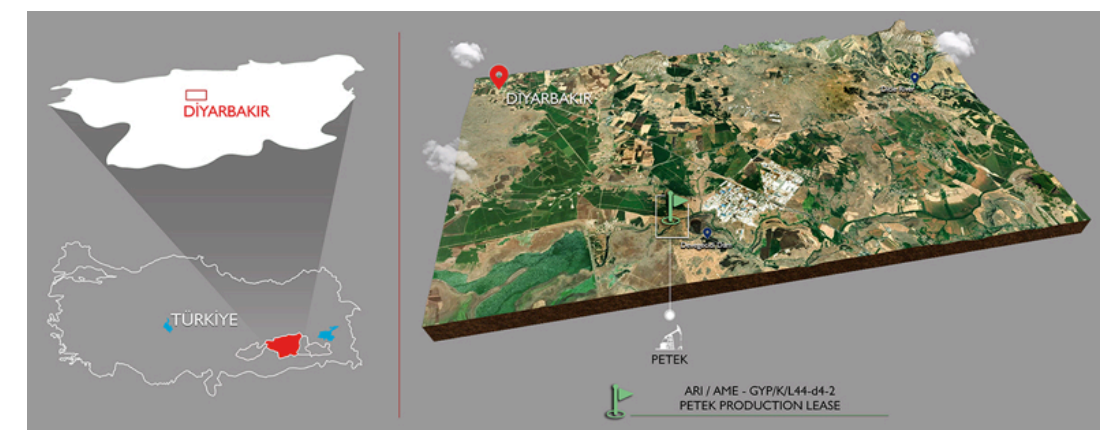
PETEK LEASE

Thumbnail:

Key data:	Details
Production Lease	ARI/AME-GYP/K/L44-D4-2
Expiry data	Oct 2034
Non-operator WI %	50%
Production zone	Mardin, API 36
Current production	71 bbls/d (gross)
Remaining reserves	4.9MM bbls (gross)
Valuation (NPV10)	\$25MM (net to AME)

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 216.523 bbls oil were produced as of 31 December 2018. AME holds 50% equal WI with GYP.



PETEK LICENSE

ARPATEPE LEASE

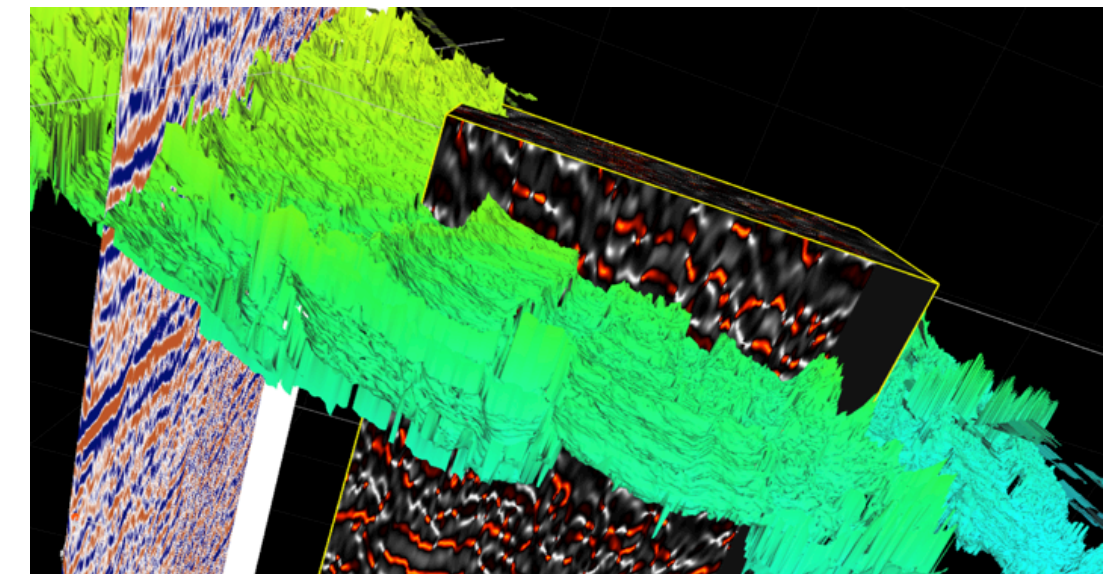
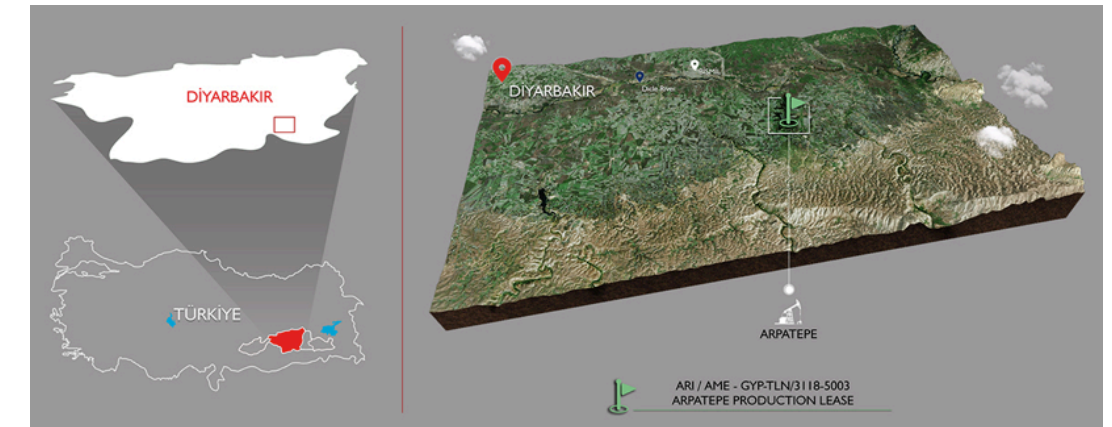
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Key data:	Details
Production Lease	AR/AME-GYP-TLN/3118:5003
Expiry date	Dec 2029
Non-operator WI %	20%
Production zone	Bedinan, API 41
Current production	265 bbls/d (gross)
Remaining reserves	1.3MM bbls (gross)
Valuation (NPV10)	\$7MM (net to AME)

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 275 bbls/day from 6 production wells and cumulatively 1,762,144 bbls oil have been produced as of 31 December 2018.

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 licence and 30% WI holder GYP.



ARPATEPE LICENSE

KARAKİLİSE LEASE

Thumbnail:

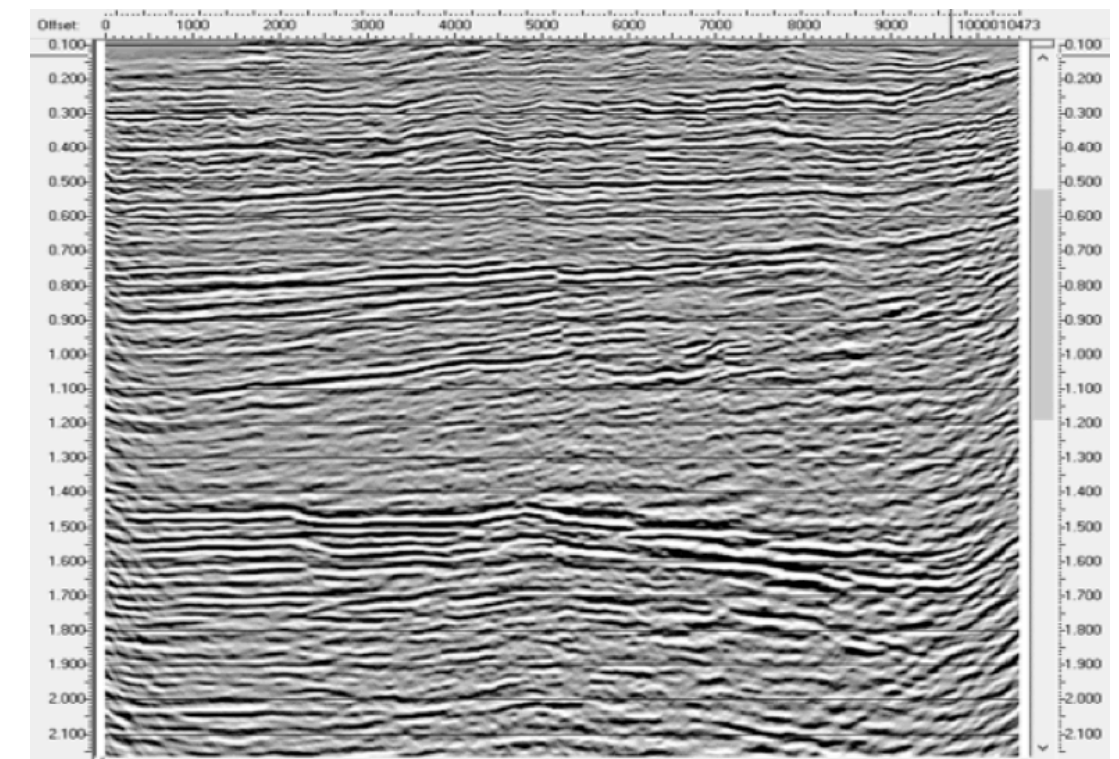
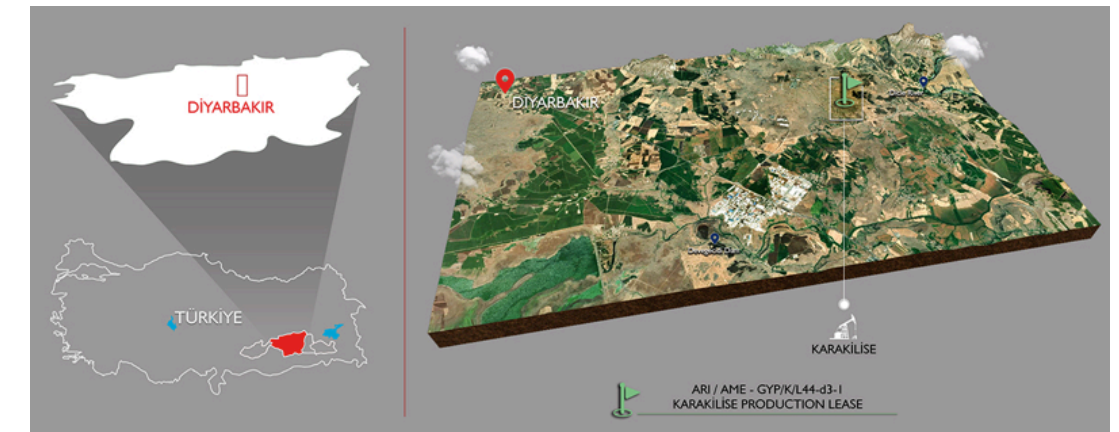
Key data:	Details
Production Lease	AR/AME-GYP/K/L44-D3-1
Expiry data	Oct 2034
Non-operator WI %	50%
Production zone	Mardin API 29
Current production	8 bbls/d (gross)
Remaining reserves	4.7MM bbls (gross)
Valuation (NPV10)	\$15MM (net to AME)

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 ~10 bbls/day from the Karakilise-1 Well. and cumulatively 102,473 bbls oil were produced as of 31 December 2018. 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 is 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.



KARAKİLİSE LICENSE

ALTINAKAR- BAŞAKLI LEASE

Thumbnail:

Key data:	Details: Altınakar	Details: Başaklı
Production Lease	AR/AME-GYP/K/M44-B3-1	
Expiry data	Oct 2035	
Non-operator WI %	50%	
Production zone	Bedinan API 41	Mardin API 21
Current production	10 bbls/d (gross)	- bbls/d (gross)
Remaining reserves	10MM bbls (gross)	4.8MM bbls (gross)
Valuation (NPV10)	\$42MM (net to AME)	\$18MM (net to AME)

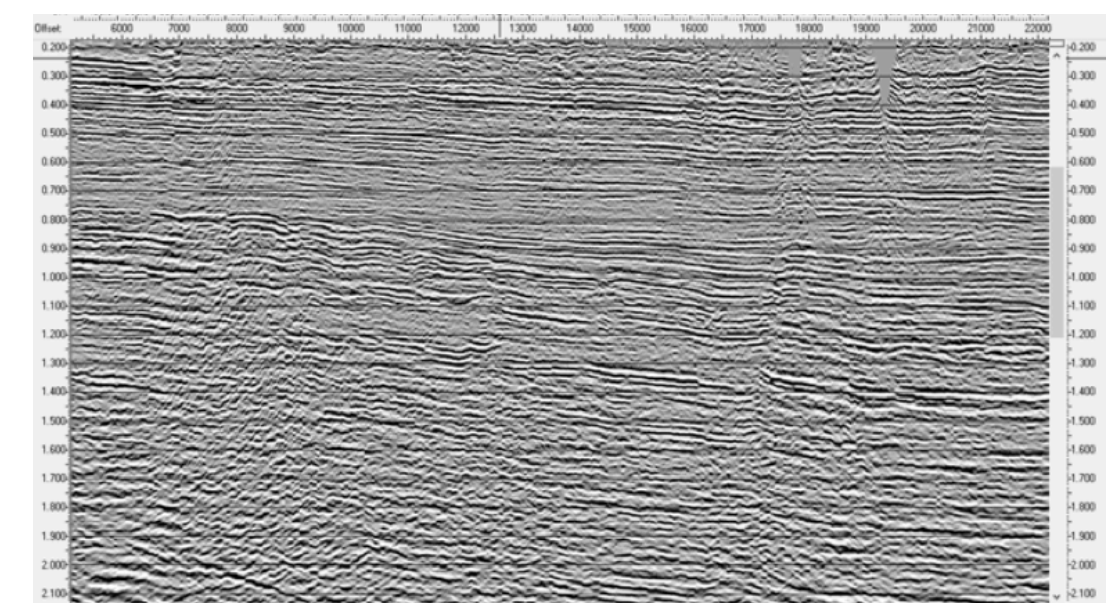
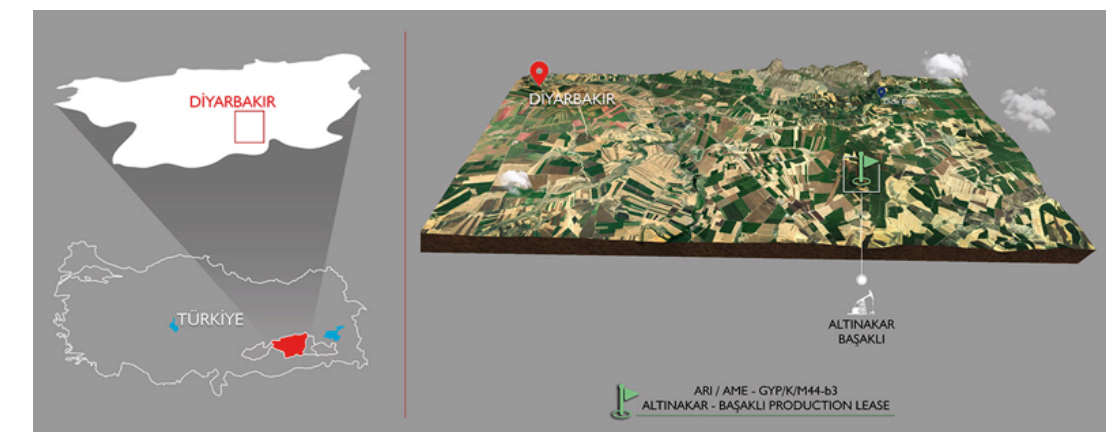
The Altınakar-Başaklı lease is also situated within the foreland belt of SE Anatolian Basin and covers an area of 15.281 hectares. The SE Anatolian Basin is the most active and oil prone basin in Turkey and it is located on the northern extension of the famously oil prone Arabian Plate, where the geology 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 722 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 was discovered with Başaklı-1 Exploration Well in the north part of the license, production commenced in July 2014. AME and GYP hold 50% equal WI in this concession.

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



ALTINAKAR – BASAKLI LICENSE

ZEYNEL - NEMRUT LEASE

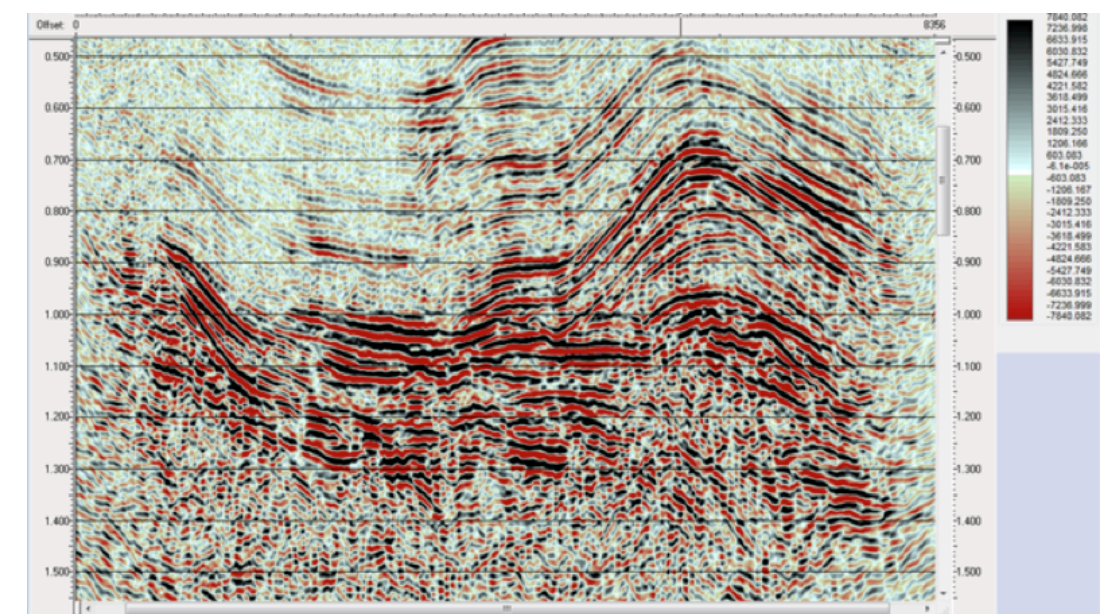
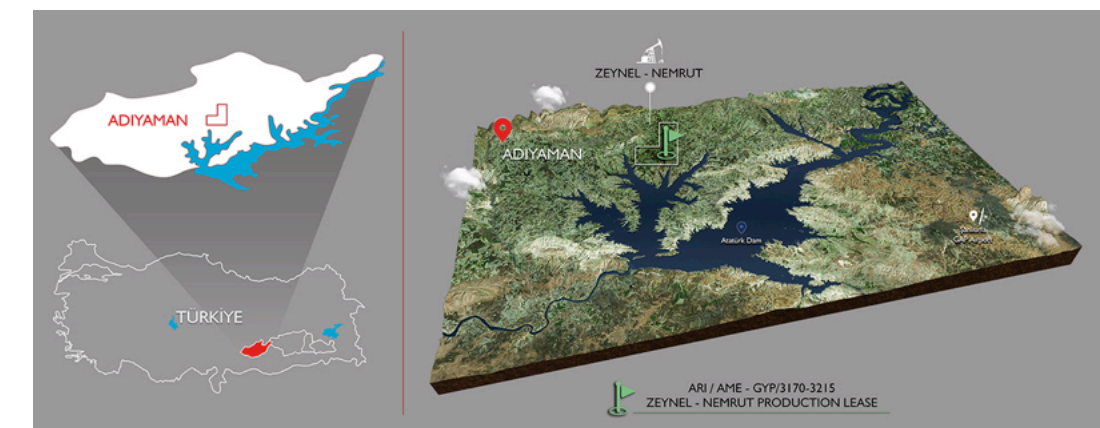
Thumbnail:

Key data:	Details: Zeynel	Details:Nemrut
Production Lease	AR/AME-GYP/3170-3215	
Expiry data	Dec 2020	
Non-operator WI %	25%	
Production zone	Mardin API 23	Mardin API 24
Current production	33 bbls/d (gross)	10 bbls/d (gross)
Remaining reserves	350M bbls (gross)	27M bbls (gross)
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 Hasancik Field and over 2,4 million barrels of 23 API gravity oil have already been produced as of 31 December 2018. The total monthly oil production of the Zeynel-Nemrut-Hasancik Fields is around 1,100 bbls/month. AME holds 25% WI in the concession.



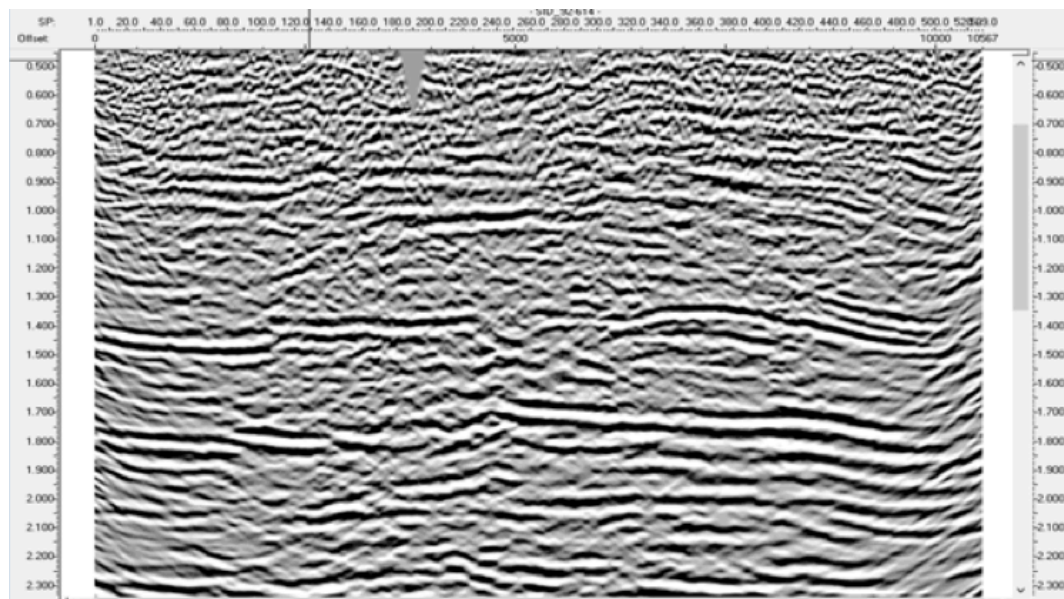
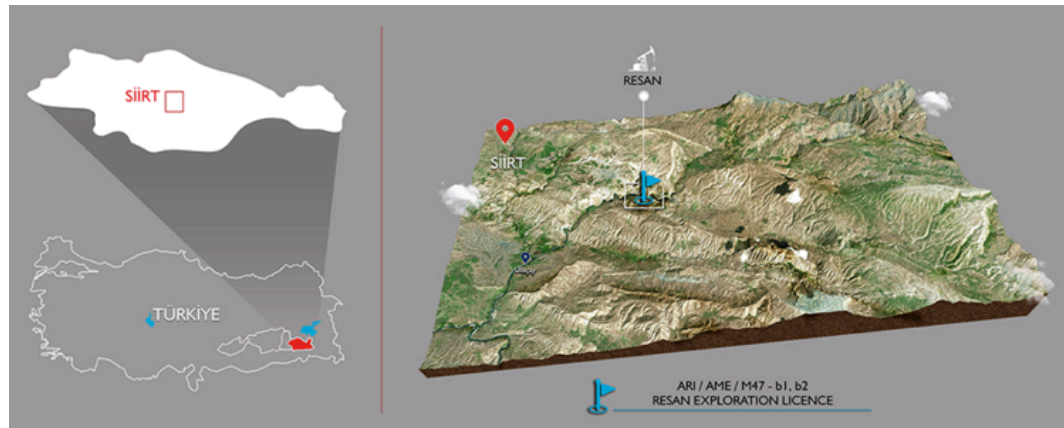
ZEYNEL - NEMRUT LICENSE

RESAN LICENSE

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, is located in Siirt province, and lies to the northwest trend of Erüh discovery. AME's first well on this license is expected in 2020.



RESAN LICENSE





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 x 420hp, 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: 600hp Max RPM: 180 Weight: 22klbs Break-out capacity: 54000 ft.lb, Make-up capacity: 50000 ft.lb
Top Drive Engine: Model: CAT: D399, Power: 1100hp Full load RPM: 1200 Alternator: 1200rpm-600V- 1000A Hydraulic 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" x 5000psi 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.



Pictured: AME meeting with local representatives at the Birini/Gedikasar lease.

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: AME meeting with local representatives at the Birini/Gedikasar lease.

Education and health remain key priorities for AME's community work. Both through our operations and through training programmes we seek to maximise opportunities for people of all ages.



Pictured: Mrs Sayer's charity (supported by AME) at schools in Adiyaman region.

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

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 minimising 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

Auditors: KPMG

Tax Advisors: Arslan Kaya



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Aladdin Middle East Ltd.
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