

Country Analysis & New-ventures Studies



Target Exploration Consultants performs due diligence new-ventures evaluations, concessions reviews, ranking and acreages relinquishment studies using commercial information, data and software, as well as Target's in-house software.

NON-EXCLUSIVE REPORTS

1. New-ventures Risk Assessment of Bypassed and Undeveloped Petroleum in MENA Countries, Target Exploration, London, 35P. [TAR-145](#)
2. Petroleum Potential of Wadi Sirhan Basin, Jordan. Non Exclusive Report, Target Exploration, London, UK. 250P, 55 figures, cross-sections and maps. [TAR-96](#)
2. Libyan Oil and Gas Resources: Key Players, Hydrocarbon Laws, Exploration and Production Records, Past Lessons, Present Challenges and Future E&P Potential. Non-Exclusive Report, Target Exploration, London, UK. Eight chapters and 50 Pages of Appendices. [TAT-73](#)
3. Typical Giant Oil Fields of southern Iraq, Non Exclusive Report, Target Exploration, London, UK. 78 P. 35 figures, 35 enclosures. [TAR-19](#)

4. New E&P Blocks of Onshore and Offshore Libya; Rank, Potential, Undeveloped Fields, Discoveries and Dry Holes (139 Blocks). Target Exploration, 19 P, 56 Maps and Figures, and one CD. [TAR-07](#)
5. Geothermal Gradient Anomalies of Hydrocarbon Entrapment in Iraq (and adjacent areas in Iran, Jordan, Kuwait, Saudi Arabia and Syria), Non-Exclusive Report, Target E. C., London, UK, 121 p, 178 figures, 7 enclosures. [TAR-05](#)
6. Iraq: New Ventures Guide, Exploration Potential, Play Fairways, Oil and Gas Fields and Discoveries, Target Exploration, London, 80P. [TAR-04](#)

SOFTWARE

1. **E&P-RANK:** An E&P block ranking software developed to rank large number of concessions in one or several basins in single or several countries. Developed while working on assessing and ranking 137 blocks offered in the Libyan round of 2000. Based on Ibrahim's (2000).
2. **CGG-ESTI:** An interactive geothermal gradient analysis and plotting and cross-plotting programme of single well and basin-wide group of wells to identify geothermal gradient/ surface temperature signature of discovery and producing wells, then use the same criteria to identify "un-discovery" wells in the area. It is based on Ibrahim's publications ([Ibrahim 1986](#), [Ibrahim 1988](#) and [Ibrahim 1994a](#)).
3. **LOG-AND:** A bundle of interactive open-hole log analysis programmes for porosity/matrix identification cross-plots and Sw% calculation. Based on Bateman and Konen's (1977).
4. **ST-GRTH:** Local (one or a group of structures), basin-wide and regional structural evolution analysis programme to identify the onset structural closures development against local and regional source rocks maturation, and hydrocarbon migration histories. Based on [Ibrahim 1981](#).
5. **GCA-DM:** An interactive programme that uses combined modified Pixler's (1969) and Whittaker and Sellens (1987) methods. It lists drilling mud Gas Chromatographic readings, converts and list them as gas ratios. Then interactively interprets the Gas Ratios using both methods for potentially productive oil, gas zones in matrix, fractured-matrix and fracture-dependent reservoirs, and list the results against drilling depths with higher level of certainty.

EXTERNAL PUBLICATIONS

7. Ibrahim MW (1996A) Cretaceous Oil Plays in Mesopotamia, (Abstract). In PESGB Farm-in / Farm-out Seminar, 15 March 1996, London, 1p.
8. Ibrahim MW (1996N) Study sizes up Iraq's reserves, exploration status, production potential, Oil and Gas Journal, June 24 1996, pp 53-55. [IBRAHIM 1996B](#)
9. Ibrahim MW (1997) Geothermal gradient anomalies of hydrocarbon entrapment, Al-Hagfa Trough, Sirt Basin, Libya. In Geology of Sirt Basin, Salem m et al, Eds. Elsevier pub. Co., pp 419-433.
10. Ibrahim, MW (1999A) Hydrocarbon Exploration Potential of Iraq. (Abstract). In Extended Abstracts Volume, AAPG International Conference and Exhibition, Sept. 12-15, Birmingham, UK. p. 247. [IBRAHIM 1999A](#)
11. Ibrahim, MW (1999B) Iraq's Oil and Gas: Geology, Reserves and Opportunities. In Iraq Petroleum Summit 1999, SMI Conference, 1-2 Nov. 1999, Renaissance Paris Hotel, La Defence, Paris, France, PE1-22.
12. Ibrahim, MW (2000A) Missed, By-passed, and Under-estimated Hydrocarbon Traps: Examination of Basic Exploration Records Reveals Potential "Un-Discovery" Wells in Libya, (Abstract). Geo 2000, 4th. Middle East Geo-sciences Conference, 27-29 March, Bahrain. GeoArabia, V. 5, No. 1, p113. [IBRAHIM 2000A](#)
13. Ibrahim, MW (2000B) Missed, By-passed, and Under-estimated Hydrocarbon Traps: Examination of Basic Exploration Records Reveals Potential "Un-Discovery" Wells in Libya, (Abstract). AAPG Annual Convention, 16-19 April 2000, Louisiana, p. A-72. [IBRAHIM 2000B](#)
14. Ibrahim M.W. (2001A) Petroleum systems and Hydrocarbon Potential of Onshore and Offshore Kuwait. (Abstract). In The petroleum Geology of the Middle East Basin, one-day seminar, 4 April 2001, JAPEC Training, The Scientific Societies Lecture Theatre, London, UK, 1p.
15. Ibrahim M.W. (2001B) Hydrocarbon Potential of the Western Desert of Iraq, in Iraq Oil and Gas II, an SMI Conference, 21-22 May 2001, Hotel Ambassadeur, Nice, France. 1p.

16. Ibrahim M.W. and S. Al Mahruqi (2001C) Hydrocarbon Systems of the Hagfa Trough, Sirte Basin, Libya, (Extended Abstract). AAPG Annual Convention, 2-3 June 2001, Denver, Colorado, P. A97. [Ibrahim & Mahrouqi 2001C](#)
17. Ibrahim M.W. (2001D) Rank, Potential, Undeveloped Fields, and Discoveries of the New E&P Blocks of Onshore and Offshore Libya. (Extended Abstract). AAPG Annual Convention, 2-3 June 2001, Denver, Colorado, P. A97. [IBRAHIM 2001D](#)
18. Ibrahim, MW, (2002A) Missed, Bypassed, and Underestimated Hydrocarbon Traps: Analysis of Basic Exploration Records Reveals “Un-Discovery Wells” in North Arabia, (Abstract). In AAPG Annual Convention, Houston, Texas, USA. [IBRAHIM, 2002A.](#)
19. Ibrahim, MW. (2002B) New E&P Blocks of Onshore and Offshore Libya: Ranks, Potential, Undeveloped Fields and Discoveries, Poster, In Cairo 2002 Ancient Oil –New Energy, AAPG International Petroleum Conference and Exhibition, October 27-30, 2002, Cairo International Conference Centre, Cairo, Egypt. [IBRAHIM 2002B](#)
20. Muammar, K., M. Warrak and M W Ibrahim (2003) Remaining Hydrocarbon Potential in the UAE, (Extended Abstract) 2p. In MENA 2003 Oil and Gas Conference (The 4th. Middle East and North Africa Oil and Gas Conference), Target Exploration, 16 &17 September 2003, Imperial College, London, 202 p. [MENA 2003](#)
21. Ibrahim, Muhammad W. (2004) Unconformable Stratigraphic Traps Potential of South Iraq, (Abstract). In Geo2004, 6th Middle East Geosciences Conference and Exhibition, 7-10 March, Bahrain, Conference Abstracts, GeoArabia, V.9, No. 1, P. 80. [IBRAHIM 2004](#)
22. Ibrahim, MW, (2005) Unconformity Traps Potential of Sirte Basin, Libya. (Abstract). In AAPG Annual Convention 2005, 19-23 June, Calgary Convention Centre, Stampede Park, Calgary, Alberta, Canada. Abstracts Volume, 160P. P. A65-A66. [IBRAHIM 2005](#)
23. Ibrahim, MW (2006) Cycles of Giant Oil and Gas Discoveries in the Middle East and North Africa (With Special Emphases on Kuwait). In Kuwait 2nd International Oil and Gas Conference and Exhibition, 20-22 November 2006, Ministry of Oil, Kuwait, [in press].
24. Ibrahim, MW (2007A) Missed, Bypassed and Under-estimated Hydrocarbon Traps: Analysis of Exploration Records Reveals “Un-discovery Wells” in North Arabia, In MEOS, 15th Middle East Oil Show and Conference, 11-14 March 2007, SPE, Bahrain, Conference CD.
25. Ibrahim, MW (2007B) Undeveloped Fields and Remaining Potential of a Typical Sirte Basin Graben, Libya. (Abstract). In Geo2006 7th Middle East Geosciences Conference and Exhibition, March 27-29, Bahrain, Conference Abstracts, GeoArabia, V12, No.3. pp. 13-131. [IBRAHIM 2007B](#)

26. Ibrahim, MW and T. El Gezeery (2008A) Oil below oil/water contacts: Implications on the structural evolution of Minagish Oolite reservoir, Minagish oil field, Kuwait. (Poster). In Geo2008 8th Middle East Geosciences Conference and Exhibition, March 3-5, Bahrain, Abstract No.118996 Conference CD. [IBRAHIM & GEZEERY 2008A](#)
27. Ibrahim, MW. (2008B). Missed, Bypassed and Under-Estimated Hydrocarbon Traps (Analysis of BHT Records Reveals “Undiscovery Wells” in Some OAPC Countries). In Symposium on “Development in Petroleum Exploration & Production Technologies”, Jointly Organized by OAPC and the Oil and Gas National Authority in Kingdom of Bahrain, Manama-Kingdom of Bahrain; 10-12 November, 2008. Conf. Abstracts, P. 31-33. [IBRAHIM, 2008B](#)
28. Ibrahim, M.W. (2010). Paleozoic Volcanic Reservoirs of Libya: A Case Study of the Cambro-Ordovician Hofra (Gargaf) Facies of Sirte Reservoir, Tagrfit (Ora) Oil Field. Poster and Alternative Presentation, Geo2010, 7-10 March 2010, Bahrain (Conference CD). [IBRAHIM 2010](#)
29. Ibrahim, MW. (2012) Paleozoic Volcanic reservoirs of Libya: A Case Study of the Cambro-Ordovician Hofra (Gargaf) Facies of Sirte Group Reservoirs, Tagrfit (Al Ora) Oil Field. In Geology of Southern Libya, Conf. Proc. Published by Libyan NOC and PRC, Tripoli, Libya, Vol.2, pp.153- 174.
30. Ibrahim, MW. (2016A) New-ventures Risk Assessment of Bypassed and Undeveloped Petroleum in MENA Countries, 1 Page Abstracts, Geo2016 Manama, 7-10 March, 2016, Bahrain International Exhibition and Convention Centre, Bahrain, Conference Flash Memory. [IBRAHIM2016A](#)
31. Ibrahim, MW. (2016B) Current new-ventures risk assessments of undeveloped and bypassed conventional petroleum in MENA countries (Poster). 2P Abstract in PETEX 2016. 15-17 November 2016, organised by PESGB at ExCeL, London. [IBRAHIM 2016B](#)

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