ANDREW DAVIDOFF

Exploration & Development Geophysicist/ Geologist

Goal: Seeking G&G Technical or Managerial Work Globally

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E-mail: ajdavidoff@gmail.com

EXPERIENCE SUMMARY

Ph.D. geologist, practicing geophysicist with over 20 year's international experience
Proven team player with technical/managerial exploration/development track record
Extensive worldwide multi-cultural exposure on 5 different continents
Successful discovery and development record irrespective of continent, basin, lithotype
Adept at play generation, offshore (shelf to deep water) and onshore (arctic to tropics)
Proficient developing successful play trends in both structural and stratigraphic terrains
Acreage Evaluation including play fairway analysis through risking and economics
Management as well as lead prospect generator expertise
Execution of G&G projects for exploration and/or resource exploitation
Reserve/resource audits for SEC, contracts, farm outs and unitization
Results oriented with lower finding costs by value adding plays/wells
Commercially aware with track record of beating average POS and risks
Familiar with government regulatory agencies and tendering processes
Field Development Planning
Expert in ranking and risking, adept with stochastic and probability
Integrated teams of geoscientists, reservoir engineers, drilling engineers, facility engineers, economists and business development for decades

Experienced with Multiple Geologic Environments including but not limited to:
Passive margin, rift basin, inverted and thrust terrains.
Deep water through shelf, transition and onshore projects
Exploration and development of siliciclastic, carbonate and fractured reservoirs
Salt tectonics and shale structures
Conventional and unconventional resource trend evaluations and development

Technical Expertise:

Specializing in integration of geologic, geophysical and reservoir engineering data
Sequence stratigraphy and seismic geomorphology in siliciclastic and carbonate sediments
Sequence stratigraphic expert in integration of chrono- and litho-stratigraphic frameworks
High resolution well log based sequence stratigraphy and parasequence analysis
Siliciclastic and carbonate depositional environments
Working knowledge in geochemistry and biostratigraphy
2D, 3D and 4D seismic interpretation
2D, 3D and 4D seismic acquisition planning and seismic data processing QC and tendering
Expert in VSPs, check shots, seismic to well calibration and time depth conversion
Velocity modeling and Pre/Post-Stack Depth Migration
2D and 3D forward and inverse seismic modeling
Reservoir Geophysics and Quantitative Analysis including but not limited to:
- AVO interpretation, rock property analysis and fluid replacement modeling
- Inversion technologies, viz. acoustic, elastic, simultaneous and stochastic inversion
- Waveform classification, spectral decomposition and multivariate attribute analysis

Software Skills

Petrel, IHS Kingdom, Reserve Estimation Programs, Landmark, GeoQuest IESX, Paradigm, CGG Hampson Russell, GeoGraphix, OpendTect and others
Please see last page for full detailed listing

DISCOVERIES AND DEVELOPMENT PROJECTS

Egypt Western Desert:

Assil Field: Abu Roash, Baharyia, Kharita Fm., Oil, Gas, Condensate
Karam Field: Abu Roash, Baharyia, Kharita Fm., Oil, Gas, Condensate
Bagah Field: Abu Roash G, Baharyia Fm., Oil
Bagah South East: Abu Roash G Fm., Oil
Najm Field: Baharyia, Kharita Fm. Gas, Condensate
Magd Field: Abu Roash G Fm., Oil
Al Barq Field: Abu Roash G Fm., Oil
Safwa Field: Baharyia Fm., Oil
North Dabaa: Khatatba, Abu Roash, Oil, Gas, Condensate

Egypt Gulf of Suez

Al Amir Field: South Gharib Formation, Heavy Oil
Al Amir South East Field: Kareem Formation, Oil
Al Ola Field: Kareem Formation, Oil
Geyad Field: Kareem Formation, Oil

Egypt Nile Delta (on and offshore)

Amriya Field: Pliocene Gas
Sidi Ghazi Miocene Abu Madi Fm., Gas
Sidi Ghazi South: Miocene Abu Madi Fm., Gas
Sidi Ghazi North: Miocene Abu Madi Fm., Gas
Sidi Ghazi NW: Miocene Abu Madi Fm., Gas
Abu Qir: Miocene Abu Madi Fm., Gas, Condensate
Abu Qir West: Miocene Abu Madi Fm., Gas, Condensate
Abu Qir North: Miocene Abu Madi Fm., Gas
Idku Fields: Pliocene, Gas

Malaysia Deep Water Sabah:

Kikeh Field; Oil
Kakap Field: Oil & Gas
Kikeh Kecil: Oil
Senangin: Oil
Siakap: Oil
Siakap North: Oil
Kerisi: Oil

Malaysia Offshore Sarawak:

West Patrica Field: Oil
Golok: Gas
Golok Barat: Gas
Kerambit: Gas
Belum: Gas
Permanis: Gas
Merapuh: Gas
Permas: Oil
Endau: Oil
Acis & Acis North & Acis South: Oil
Rompin: Oil
Serampang: Oil & Gas
Wangsa: Gas
Mahhota: Gas
Traim: Gas

Malaysia Offshore Malay Basin:

Bundi Fields: Gas

Indonesia Offshore West Madura:

KE-07: Kujung Fm. Carbonate, Oil
KE-32: Kujung Fm. Carbonate, Gas
KE-38: Kujung Fm. Carbonate, Oil
KE-39: Kujung Fm. Carbonate, Oil & Gas
KE-40: Kujung Fm. Carbonate, Oil & Gas
KE-54: Kujung Fm. Carbonate, Gas

EMPLOYMENT HISTORY

Petroceltic International/Sonatrach/Isarene Groupement
Consultant/Lead Geophysicist **March 2014 – September 2016**
Ain Tsila Field, Illizi Basin, Algiers
Provided geophysical expertise and leadership for the Isarene Groupement, a joint venture between PetroCeltic, Enel, and Sonatrach for the development of the Ain Tsila Field, a giant gas field in the Southern Illize basin. Responsible all geophysical aspects associated with the delivery and implementation of 24 well drilling program to meet first gas requirements. Technical work included:

- Interpretation and reservoir geophysics of 900 km2 of 3D wide azimuth seismic and 6,000 line km of 2D seismic of multiple vintages
- Tendering, evaluation and recommendation for acquisition and processing 1600 km2 of new 3D seismic
- Identification and evaluation of seismic attributes for input to continuous fracture network models
- Development of regional velocity model for depth conversion, depth prognosis and reservoir modeling
- Reservoir geophysics included development of seismic attribute for fracture identification, inclusive of anisotropic azimuthal attributes
- Integration of geophysical interpretations with geology, petrophysics and reservoir engineering to insure consistency across all domains
- Presentation of work programs and results to management and government officials
- Support, assist and mentor local staff (4 geophysicists)

Pertamina Indonesia
Consultant/Advisor **Sept 2013 – March 2014**
Served as key advisor to the peer review team, reporting to the Director for Upstream Operations: Reviewed Pertamina's core fields (10 fields that comprised 80% of their production) and provided recommendations for improving production and success rate from development and near field exploration drilling

Reviewed the following fields:

- Primary: Bunyu, North Kutai Lama, Tambun, Cemara, Jatibarang, Niru, Talang Jimar, Rantu, Zulu and Echo.
- Additional: East Java Sukowati and West Madura KE-38 and KE-40.

PTTEP Thailand
Senior Geophysical Advisor **July 2012 – June 2013**
Reported to the Vice President of Geophysics. Mentored and trained 35 junior and senior geophysicists. Interpretation projects included GSB New Zealand (4,500 km2 3D and 10,000 km 2D) and Block 65 Oman (1000 km 3D and 2000 km 2D). Promoted use of seismic stratigraphy and geomorphology within the company. Developed and delivered training on seismic interpretation, seismic attribute analysis and sequence stratigraphy.
Served as key Quality Assurance and Peer Review Team Member for all PTTEP international and domestic projects, providing expertise and guidance on the following:

- Africa: Algeria – Onshore, Hassi Bir Rekaiz & Bir-Seba Blocks; Namibia – Offshore Deep Water.
- Asia: Indonesia – East Natuna Field, Natuna Sea, and Malunda & South Mandar Blocks, Makassar Straits; Myanmar – Onshore, Block Review; Oman – Onshore, Blocks 65 & 44; Vietnam – Offshore, Block 16-1 Te Glac Trang Field Review
- Australia: Offshore, NW Shelf, Vulcan Sub-Basin, including Maple/Cash, Padthaway, Montara-Bilyara, and Tahbilk Fields; New Zealand – Offshore, Deep Water GSB
- North America: U.S. – Unconventional Trends, Texas Eaglebine Shale & Louisiana Tuscaloosa Play
- South America: Brazil – Deep Water Acreage Review Foz do Amazona 2013 (11th bid round)

Vegas Oil and Gas, Egypt **April 2010 – June 2012**

Geophysics Manager – Petroamir and Petrosafwa JVs

Directed team of 5 geophysicists in various geophysical activities, ensuring adherence to highest levels of technical excellence. Mentored 3 junior geophysicists and functioned as Exploration Manager on an as-need basis. Additional responsibilities included:

- Recommend and manage geophysical operations programs and budget including seismic acquisition and processing
- Provide leadership in development of play, prospect and development opportunities
- Interpreted and integrated geologic and geophysical data to aid play mapping for sources rock distribution and reservoir characterization for play/prospect uncertainty, risk and volume
- Conduct reservoir characterization from seismic and actively participate in geological model construction in cooperation with geologists, engineers and other geosciences specialists
- Conducted well log based high resolution sequence stratigraphic study
- Validated geophysical data and interpretation to ensure consistency of the analysis
- Define/verify subsurface well targets with justification and objectives
- Quantify uncertainties and risk in reserve estimates and new venture opportunities
- Presentation of work programs and results to management, partners, and government officials for approval and other peer review meeting

Vegas Oil and Gas, Egypt **April 2009 – March 2010**

Ass. Expl. Manager and Gas Team Lead – Alam El Shawish JV

Managed team that included 2 geophysicists, 2 geologists, and a reservoir engineer among others, leading multi-disciplinary group in delineation and development of gas assets in Al El Shawish joint venture. Oversaw field development planning, drilling, and reserves activities for Gas Assets, ensuring technical excellent and cross-discipline integration.

- Drove **600%** increase in proven gas and condensate deliverables from **40** to **237** mmscf/d and **2,000** to **12,000** bblc/d and increased reserves from 600 Bcf to 1 Tcf (Key wells Assil, 5, Assil, 6, Assil-1 re-entry, Assil-7, Karam-4, Karam 3 st3)
- Functioned as Exploration Manager and General Manager as required
- Presentation of work and results to management, partners and government officials
- High resolution seismic interpretation and attribute analysis for Assil and Karam fields for delineation of development infill locations
- Identification, development and implementation of seismic reprocessing programs
- Mentoring and tutoring of junior geologist and geophysicist

RWE DEA Egypt: **June 2007 to Dec 2008**

Consulting Geophysicist, Exploration Department

Conducted regional interpretation, sequence stratigraphy and play and prospect generation across the West Nile Delta from onshore to deep water based on 4,500 sq. km of 3D seismic data. Other work included generation of regional play maps for prospect evaluation, generation of Petrel models for reserve estimation and rock property studies and interpretation of AVO attributes.

- Contributed to the discovery and/or development of 6 fields
- Concessions worked included but not limited to: Disouq, North El Amriya, West Med and West Med Deep Water, Alexandria, North Idku
- Special Projects: Abu Qir Field acquisition team, work included full field evaluation of the Abu Qir, Abu Qir North and Abu Qir West fields for potential acquisition.

Murphy Oil Co. Malaysia **August 2003 to April 2007**

Senior Dev. Geophysicist, Kikeh Field (700 MMBO) Block K, deep water, Sabah

Performed interpretation and depth conversion of 3D seismic across the Kikeh and Kikeh Kecil Fields. Worked within an integrated team for field delineation, full field modeling, field development planning, SEC reserve audits, and Petronas and Murphy Boards for sanctioning. Key activities included:

- Geophysical interpretation of key seismic horizons for field development and interpretation of near offset volumes for shallow hazards
- Geophysical validation of injector-producer pairs for Kikeh Field
- Conducted geophysical rock property studies for Kikeh and surrounding wells

Waveform interpretation, spectral decomposition and porosity inversion products
Multivariate analysis of Hampson-Russell porosity and fluid saturations volumes
Interpretation and analysis of pre-/post stack and offset dependent (AVO) seismic attributes
Planning and QC of anisotropic pre-stack depth migration across Kikeh Field
Planning and procurement of 2005 Kikeh Field Development Q-Marine Seismic Survey
Acquisition planning and processing QC of Walk-away VSPs and standard VSPs
Coordination with Petronas/other departments and agencies for approvals
Coordinated with reservoir engineering and drilling for field modeling - simulation
Well planning, site location and presentation to Petronas for drilling approval for Kikeh wells including Kikeh 4st1, Kikeh 4st2, Kikeh 5, Kikeh 6, Kikeh 7and Kikeh Kecil 2

Development Geophysics, Sarawak Gas Development Group

Detailed seismic to well calibration and fault mapping of the Golok and West Golok fields for development drilling.

Exploration Geophysics, Sabah Exploration:

Senangin 1: geophysics presentation to management and Petronas for drilling approval
Kakap 1: geophysics review, well planning and presentation to management and Petronas for drilling approvals and negotiations with unitization partners
Methods and techniques provided basis for three additional discoveries

Exploration and Development Geophysics, Sarawak Exploration:

Geophysical review of West Patricia Field and Block SK311 and 309 exploration wells,
Fluid replacement and AVO modeling of West Patricia & Block SK311 & 309 exploration wells
Processing QC of AVO attribute products
Mentoring and interpretation of AVO attributes across Block SK311 and 309 prospects
Kerambit 1, Golok 1 and Belum 1: Geophysics review and presentation to management and Petronas for drilling approval
Methods and techniques provided basis for 12 additional discoveries

Exploration and Development Geophysics, Peninsular Malaysia Exploration:

Rock property, fluid replacement and zero offset modeling for wells in Block PM311
Analysis of reservoir thickness and seismic resolution
Attributes interpretation including AVO and spectral decomposition for channel sand bodies
Aring 1, Kenarong 2 and Pertang 1 Geophysics review and presentation to Petronas and management for drilling approval

University Brunei Darussalam **April 2003 to August 2003**

Visiting Senior Lecturer, Department of Petroleum Geoscience:

Supervision of Master of Science student thesis: Thesis titles included:

Seismic Strat. of the Block J Plio-Pleistocene section, offshore deep water Brunei Darussalam:
Interpreted and mapped major 3D seismic sequences in first second below water bottom

Interpretation, Velocity Modeling and Time to Depth conversion of the Maharaja Lela Field:
Interpreted and mapped of horizons across the Maharaja Lela field using 3D seismic
Layer based velocity modeling integrating well and seismic velocity data
Time-depth conversion using multiple methods and analysis of resulting differences

Derivation of pore pressure, fracture pressure and uplift from seismic velocities in the Seria Field, Brunei Darussalam:
Estimated pore pressure, facture pressure and tectonic uplift from 3D seismic velocities and calibration of results with well data

Comparison of structural timing of the Seria and Ampa Anticlines, offshore Brunei Darussalam:
Interpretation and mapping of 3D seismic data across Seria and Ampa Anticlines
Cross section extraction and time to depth conversion of selected transects
Structural restoration for estimates of extension compression using Paradigm Geosec

Belait Field Integrated Geophysical and Geological Study for Structure and Prospectivity, onshore Brunei Darussalam:
Interpretation and mapping of 2D seismic data across the on-shore Belait Field

Seismic facies identification of carbonates, Pelican Field, offshore Brunei Darussalam:
Interpretation and mapping of a small Pliocene carbonate reef using 3D seismic data

Kodeco Energy Company Ltd. Indonesia. **December 2001 to September 2002**
Geophysical Consultant

Provided consulting and project management services for Velocity Modeling and PSDM of the West Madura 3D Seismic Survey: Technical responsibilities included:

- Review and analysis of West Madura 3D seismic and well data for the identification of potential velocity anomalies. Also reviewed the impact of potential velocity anomalies on depth conversion, seismic imaging and reserve estimates
- Project management and QC of all aspects of PSDM processing of the 3D seismic including:
  - QC and reinterpretation of existing seismic as input for Pre-Stack Depth Migration Processing
  - Development of technical documents used in PSDM tender
  - Evaluation of contractor bids and award recommendations
  - Trace conditioning, velocity analysis, velocity modeling, pre-stack depth migration and post migration processing
- 2D forward and inverse seismic modeling
- Seismic Inversion processing (Hampson Russell Software)
- AVO modeling, AVO attribute extractions and analysis (Hampson Russell Software)
- 3D seismic interpretation on GeoQuest IESX
- Mentoring and training in 3D seismic interpretation techniques

GX Technology Indonesia **April 1999 to August 2001**
Jakarta Center Manager and President GX Technology Indonesia

Direct Reports: 6 Geophysicist and 6 Support Staff

Provided leadership and direction for geophysical services company specializing in Pre-Stack Depth Migration (PSDM). Grew the operation from a one person home based office to staff of 12 people. Overall responsible for all operational aspects including sales, profitability and technical excellence.

- Technical capacity included: Structural and stratigraphic seismic interpretation, seismic data processing QC, depth based velocity analysis (including tomography, depth based focusing analysis and migration velocity scans), velocity model building, forward and inverse seismic modeling, time-to-depth conversion, and pre-stack depth migration and mentoring and training on the above
- PSDM projects and tests included:
  - Semirak block, on shore Irian Jaya, Indonesia
  - Muturi block, on and offshore Irian Jaya, Indonesia
  - Sareba block, onshore (transitions zone) Irian Jaya, Indonesia
  - Wokam block, offshore Irian Jaya, Indonesia
  - Arafura Sea, offshore Irian Jaya, Indonesia
  - Blora block, onshore East Java, Indonesia
  - Tuban block, onshore East Java, Indonesia
  - Jatiluhur block, onshore West Java, Indonesia
  - Krueng Mane block, offshore North Sumatra, Indonesia
  - Makassa Straits, offshore Kalimantan, Indonesia
  - Malaysia – offshore Malaysia
- Modeling projects included work in the following areas
  - Block B, Natuna Sea Indonesia
  - Rabe Bock, offshore Timur Sea, Indonesia
  - Minas Field, onshore Sumatra, Indonesia
  - Musi block, onshore South Sumatra, Indonesia

Landmark Graphics Corp. Indonesia **September 1997 to March 1999**
Consultant to the Professional Services Organization, Asia Pacific Region

Providing both internal and external consulting services in the following area:

- Seismic interpretation and 3D seismic visualization
- Attribute extraction, velocity modeling and time-to-depth conversion
- Integration of geologic and geophysical data and geologic and geophysical mapping
- Well-log analysis, reserve estimates and database management

Major clients included: Pertamina, Unocal. Gulf Indonesia, Woodside, Haliburton

GX Technology **February 1996 to August 1997**

Team Leader and Senior Depth Imaging Geophysicist

Direct reports: 4 Geophysicists

Provided technical expertise, training and mentoring in the following areas:

- Structural and stratigraphic interpretation of 2D and 3D seismic
- Velocity model building for time-to-depth conversion and pre-stack depth migration
- Depth based velocity analysis (vis. tomography, depth based focusing analysis and migration velocity scans)
- Forward and inverse seismic modeling

Areas worked included:

- Six major 3D projects Gulf of Mexico (on shore, offshore and deep water)
- Indonesia (including the Malacca St. block Sumatra and Warim block Irian Jaya)
- Offshore China (Bohai Bay), North Sea, and Mid Continent US

Landmark Graphics Corp./ GeoGraphix **July 1993 – January 1996**

Consulting services, Denver and Houston offices

Technical areas of experience included:

Mapping of geologic, geophysical and cartographic data

Integration of geologic and geophysical data

Well log analysis, reserve estimates, and database management

Areas worked included US Gulf of Mexico and mid-continent, Caspian, Pakistan, and Indonesia

Texas A&M University **September 1990- July 1993**

Grad Research Assist, Dept of Geology, Center for Petroleum Reservoir Geology.

Major studies included:

Structure, stratigraphy and hydrocarbon potential of the Brazos basin, central East Texas:

- Integrated study using regional 2D seismic and well log data
- Correlated over fifty horizons from the base of Jurassic through Tertiary
- Regional structure, isopach, sediment distribution and paleogeographic maps
- Burial history diagrams, estimates of hydrocarbon generation and migration
- Development new regional models for exploration

Sequence stratigraphy of the Paleogene section, central East Texas:

- Study integrated outcrop, core, well log and regional seismic data
- Depositional environments covered non-marine to open shelf
- Parasequences, systems tracts, and stratigraphic sequences analysis
- Documented effects of rapidly changing sedimentation rates on parasequence and sequence development, interaction of sedimentation rate and eustacy on sediment distribution, depositional environments and apparent timing of eustatic sea-level changes

Primary migration & trapping of hydrocarbons in the Late Cretaceous Austin Chalk, eastern Texas:

- Study incorporated core, petrographic thin sections, well logs and production data
- Core and petrographic thin section were used to test new hypotheses on primary migration
- Well log data were used to construct structure, residual and derivative maps.
- Maps data, maps of initial potential and cumulative production used to develop new exploration models.

Union Pacific Resources **June 1990- August 1990**

Summer Geologist, New Ventures Group, Fort Worth Texas

Regional mapping of basement on 2D seismic, San Marcos Arch to East Texas

Reviewed relationship between basement structure and Edwards/Sligo reefs

Reviewed sequence stratigraphy of Edwards/Sligo intervals on well logs and seismic

Identified correlation between production and depositional environments predicted from seismic sequence stratigraphy

Identified 10 structural/stratigraphic exploration leads

EDUCATION

TEXAS A&M UNIVERSITY, College Station, TX, Ph.D. in Geology, May 1993.
Research supported by grants, scholarships and fellowships from 11 different organizations:
Dissertation Title: "The Brazos Basin: deep basement structure and sedimentary fill, central east Texas".
UNIVERSITY OF HOUSTON, Houston, TX, M.S. in Geology, December, 1989
WESTERN WASHINGTON UNIVERSITY, Bellingham, WA, B.S. in Geology

PROFESSIONAL AWARDS

AAPG A.I. Leverson Memorial Award for Best Paper (1991)
Gulf Coast Association of Geologic Societies Award for Best Paper (1991)

PUBLICATIONS

Davidoff, A.J, and Novianti, I.R. 2001, Fault shadow issues and resolution in model and real data; Proceedings of the 28th Annual Meeting of the Indonesian Petroleum Association (http://archives.datapages.com/data/ipa/data/028/028001/19_ipa028a0019.htm)

Adhidjaja, J.I., Davidoff, A.J., Novianti, I.R., 2001, PSDM enhances reef interpretation in Jatiluhur Block, West Java; Proceedings of the 28th Annual Meeting of the Indonesian Petroleum Association (http://archives.datapages.com/data/ipa/data/028/028001/31_ipa028a0031.htm)

Yancey, T.E., and Davidoff, A.J., 1994, Paleogene sequence stratigraphy of the Brazos River Section, Texas: Gulf Coast Association of Geological Societies Field Guide, Houston, Texas, 104p.

Davidoff, A.J., and Yancey, T.E., 1993, Eustatic cyclicity in the Paleocene and Eocene: Data from the Brazos River Valley, Texas: in Anderson, D.M., and Gordon P. Eaton, eds., Geological Perspectives on Global Change, Tectonophysics, vol. 222, no. 3/4, p.371-395. (http://www.sciencedirect.com/science/article/pii/004019519390360V)

Davidoff, A.J., and Yancey, T.E., 1993, Relating sequence stratigraphy to lithostratigraphy in siliciclastic-dominated shelf settings, Paleogene, Central East Texas: Gulf Coast Association of Geologic Societies Transactions, vol. 43, p.97-107. (http://archives.datapages.com/data/gcags/data/043/043001/0097.htm)

Yancey, T.E., and Davidoff, A.J., and Donaho, T.S., 1993, Depositional gradient analysis in transgressive systems tracts and highstand systems tracts, Mid - Late Eocene of the Brazos River Valley, Texas: Gulf Coast Association of Geologic Societies Transactions, vol. 43, p. 465-472. (http://archives.datapages.com/data/gcags/data/043/043001/0465.htm)

Yancey, T.E., and Davidoff, A.J., 1991, Paleogene sequence stratigraphy and lithostratigraphy in the Brazos River Valley, Texas: Gulf Coast Association of Geological Societies Field Guide, Houston, Texas, 112p.

Davidoff, A.J., 1991, Evidence for a deep Mesozoic basin in central east Texas; implications for hydrocarbon exploration: Gulf Coast Association of Geologic Societies Transactions, vol. 41, p. 143-151. (http://archives.datapages.com/data/gcags/data/041/041001/0143.htm)

ABSTRACTS

Kate McCluskey, Andrew J. Davidoff, Olivier Hermant, Mark McCluskey, Ehab Madkor, 2012, A case study showing how integration of high-end data processing and geological information has led to improved imaging of the North Zeit Bay, Egypt, Istanbul 2012 - International Geophysical Conference and Oil & Gas Exhibition: 1-4. (http://www.cgg.com/technicalDocuments/cggv_0000013502.pdf)

Davidoff, A.J., 1993, Three basin model for central East Texas; Basement structure and sedimentary fill: American Association of Petroleum Geologists 1993 Annual Convention, Official Program, p.89 (http://www.searchanddiscovery.com/abstracts/html/1993/annual/abstracts/0089b.htm)

Davidoff, A.J., 1992, Deep basement structure and sedimentary fill of central East Texas, tectonic implications: Gulf Coast Section, Society of Economic Paleontologists and Mineralogists Foundation, Thirteenth annual research conference, program and abstracts, p. 15-16.

Davidoff, A.J. and Yancey, T.E., 1992, Characteristics of transgressive systems tracts: Examples from the Brazos River Valley, eastern Texas: American Association of Petroleum Geologists 1992 Annual Convention, Official Program, p.27, and Texas A&M College of Geoscience and Maritime studies Student Symposium, v.4, p. 16.
(http://www.searchanddiscovery.com/abstracts/html/1992/annual/abstracts/0027a.htm)

Yancey, T.E., and Davidoff, A.J., 1992, Sequence stratigraphic interpretation of the Paleogene section in the Brazos River Valley, Texas: Geological Society of America, South - Central Section, Abstracts with Programs, vol. 4, no. 1, p. 51, (invited).

Davidoff, A.J., 1992, The Brazos basin; A three basin model for eastern Texas: South Texas Geological Society Bulletin, vol. 32, no. 5, p. 9 (extended abst., invited)

Estrada, C., Davidoff, A.J., and Harder, V., 1991, Seek and you shall find - A structural geology assignment: Geological Society of America, Annual Meeting, Abstracts with Programs, vol. 23, no.5, p. 53, and 1992, Texas A&M College of Geoscience and Maritime studies Student Symposium, v.4, p. 19.

Davidoff, A.J., 1991, Controls on facies distribution of the downdip Jurassic in eastern Texas: American Association of Petroleum Geologists Bulletin, vol. 75, no. 9, p. 1520 and the Gulf Coast Association of Geological Societies Transaction, vol. 41, p. 142.
(http://archives.datapages.com/data/gcags/data/041/041001/0142.htm)

Davidoff, A.J., 1991, Evidence for a deep Mesozoic basin in central east Texas; Implications for petroleum exploration: American Association of Petroleum Geologists Bulletin, vol. 75, no. 3, p. 561, and American Association of Petroleum Geologists Bulletin, vol. 75, no. 9, p. 1519.

Davidoff, A.J., 1990, Angelina - Caldwell flexure and southern boundary of East Texas basin: Geological Society of America, South - Central Section, Abstracts with Programs, vol. 22, no. 1, p. 5, and Texas A&M University Geoscience Symposium, p. 26.

Davidoff, A.J., 1990, Evidence for a deep Mesozoic basin in central east Texas: Geological Society of America, Annual Meeting, Abstracts with Programs, vol. 22, no. 7, p. 185, and Texas A&M University Geoscience Symposium, p. 27.

FIELD GUIDES AND FIELD TRIPS

Yancey, T.E., and Davidoff, A.J., Gulf Coast Association of Geological Societies Field Trip, Austin, Texas, October 1994, Paleogene sequence stratigraphy of the Brazos River Section, Texas.

Yancey, T.E., and Davidoff, A.J., Houston Geological Society Field Trip, Houston, Texas, September, 1992, Sequence stratigraphy and surface to subsurface correlation of the Paleogene strata in the Brazos River Valley.

Yancey, T.E., Vail, P.R., and Davidoff, A.J., Geological Society of America South - Central Section Field Trip, Houston, Texas, February, 1992, Paleogene sequence stratigraphy of the Brazos River Valley

Yancey, T.E., and Davidoff, A.J., Gulf Coast Association of Geological Societies Field Trip, Houston, Texas, October 1991, Sequence stratigraphy and depositional environments of the Paleocene and Eocene of the lower Brazos River Valley.

SOFTWARE SKILLS:

Petrel:
- Geoscience Core; mapping & visualization
- Seismic Interpretation
- Domain Converion
- Seismic Sampling
- Automated Structural Interpretation
- Multi-trace attributers
- Seismic Volume Rendering
- Structural Framework Builder
- Seismic Well Ties
- Well Correlations
- Fault Analysis
- Volumetrics

Reserve Estimation & Risking Software
- REP by Logicom
- GeoX by GeoKnowledge
- MMRA by Rose & Associates

IHS Kingdom:
- 2D/3D Pak
- EarthPak
- Rock Solid Attributes
- SynPack
- VelPack
- VuPak
- Forward Modeling
- AVO Pak
- Volumetrics

CGG Hampson Russell
- AFI (rock physics & fluid substitution)
- AVO
- Emerge
- Strata
- Ismap
- Pro4D

Paradigm
- VoxelGeo
- GeoDepth
- Stratimagic

Landmark Graphics:
- Decision Space
- OpenWorks
- SeisWorks
- Stratworks
- GeoProbe
- Depth Team Express to Extreme
- Zmap

GeoQuest
- IESX Seismic Interpretation
- GeoFrame, CPS3

Ion/GXT
- Sirius PSDM software
- GX2 & GX3 for seismic modeling

GeoGraphix:
- BaseMap, IsoMap
- WellBase, SeisBase
- SeisVision, QLA2, Prisim
- LeaseMap

OpendTect: for seismic interpretation