

# Curriculum Vita

## Robert James Davis

### Present Address:

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### Birth date/place:

28 September 1949, New York City, NY, USA

### Family:

Spouse – Denise

Children

Scott – 32

Matt – 30

Brian - 27

### Academic:

Brooklyn Technical High School, Technical Diploma Aerospace Engineering 1966

University of Oklahoma, BS Aerospace Engineering, 1971

### Experience:

Retired from Schlumberger July 1, 2015

Schlumberger, April 1977 to 2015.

*Wireline Junior Field Engineer, 1977. Six month training program to become a stand-alone Field Engineer.*

*Wireline Field Engineer, Senior Field Engineer, General Field Engineer, 1977-1981 Morgan City Offshore, Louisiana, Evaluation Services & Production Services logging.*

*Wireline Field Service Manager, 1981-1983 Larose Offshore, Louisiana. Managed Evaluation Services wireline offshore operations.*

*Wireline District Manager, 1984-1986 Bradford Pennsylvania. Managed Wireline ES/PS operations covering New York, Pennsylvania and Ohio.*

*Wireline Senior Sales Engineer, 1986-1990, Bradford Pennsylvania, Maintained ES & PS sales for the New York and Pennsylvania area. Developed a viable Dipmeter market in NY & PA. During this time I successfully developed the Borehole Imaging Market in the Northeast Division starting with the 2 pad FMS. Introduced the Formation MicroScanner and the Image Workstation. Implemented a Client Image Interpretation Service in Bradford and traveled the Northeast Division with a workstation interpreting FMS Images. Did multi-well dipmeter studies and integrated FMS to core.*

*Division Geologist GCD 1990-1996, New Orleans, Developed and maintained the Borehole Imaging market in Eastern Gulf of Mexico. Field-tested and introduced Formation MicroImager in Gulf Coast Division. Developed client training including classroom and field courses. Field-tested SHARP 1.0 software on Gulf Coast wells for thin bedded log analysis. Developed a \$1MM/year thin-bedded formation interpretation market using SHARP software that GeoQuest had killed. Based on this revenue flow GeoQuest revived SHARP and updated the software to SHARP 2.0*

*Interpretation Support Manager 1996-2000, Jakarta Indonesia, Implemented and managed an Interpretation Support Group in the Division including Geology, Geophysics, and Evaluation & Production Services Petrophysics. Developed a viable Combinable Magnetic Resonance (NMR) Market in Indonesia. Successfully introduced Platform Express and Geochemical (ECS) logging in Indonesia.*

*OFS Solutions Manager 2000 to 2006, Bakersfield, Integrate Schlumberger Oilfield Services Product Lines into Value Based Solutions. Coordinated the PowerSTIM approach in California. Successfully introduced Cased Hole Formation Resistivity Tool in California leading to the New Technology Award presented by the West Coast PTTC. Support REW Key Services sales. Support Dipmeter and Borehole Image interpretation.*

*Geology Domain Career Leader 2006 to 2015, Oklahoma City, design a competency assessment system in order to compile training and development plans and provide career progression guidance for the Schlumberger Geology Community of over 600 geologists.*

### **Internal Training:**

Prepared and presented Dipmeter and Borehole Image Interpretation as part of the Wireline training program program and client courses, both classroom and field trips.

Prepared and presented Combinable Magnetic Resonance Field Engineer Training.

Organized the Indonesia Oilfield Services Interpretation Symposium 1996-2000

Teach formation evaluation and review interpretation abilities of all local Wireline Field Engineers before Field Engineer, Senior Field Engineer and General Field Engineer reviews. (New Orleans-geology only, Jakarta and Bakersfield).

Taught a Basic Log Interpretation course to all North American new hire Wireline Field Engineers. Most of these students had no previous oil field knowledge.

### **Publications:**

*Better Medina Completions Achieved with Log Data*, April 1988, SPE Eastern Regional Meeting, Charleston, West Virginia. R. J. Davis

*Better Medina Completions Achieved with Log Data*, Petroleum Engineer International, November 1988 issue.

*Stratigraphic-Dipmeter Interpretation of Depositional Systems in the Lower Silurian Medina Group of Western New York Improves Offset Well Success*. SPWLA The Log Analyst, Vol 33, No2, March-April 1992. R.J. Davis, J. A. Gilreath, C. A. Johnson.

*FMI Images Help SHARPen Gulf Coast Thin-Bed Formation Evaluation, 1992, New Orleans Chapter Low Contrast/Low Resistivity Pay Symposium*, New Orleans, LA. R. J. Davis & B. Lyons, Schlumberger.

*Interpreting Formation MicroScanner Log Images of Gulf of Mexico Pliocene Turbidites by Comparison with Pennsylvanian Turbidite Outcrops, Arkansas*, April 1993, AAPG Annual Convention, New Orleans, LA. R. M. Slatt & D. W. Jordan, ARCO International, R. J. Davis, Schlumberger. Poster Seccession.

*Delineation of a Regional Meander Belt Using the Formation MicroScanner and Other Wireline Data, Upper Devonian 3<sup>rd</sup> Bradford Sand, Centre Clinton and Lycoming Counties, Pennsylvania*, April 1993, AAPG Annual Convention, New Orleans, LA, J. F. Humphrey, Eastern States Exploration, R. J. Davis & P. A. Babasick, Schlumberger.

*Tidal Flats and Tempestites: An Integrated Approach to an Atypical Facies of the Cypress Sandstone*, September 1994, AAPG Eastern Section Meeting, East Lansing, Michigan. T.J. Stark, Equitable Resources Exploration, R. Smosna & K. Bruner, West Virginia Univ., R. Davis & J. Musselman, Schlumberger.

*Interpreting Formation MicroScanner Log Images of Gulf of Mexico Pliocene Turbidites by Comparison with Pennsylvanian Turbidite Outcrops, Arkansas*, SEPM Fifteenth Annual Research Conference, December 1, 1994. R. M. Slatt, D. W. Jordan, R. J. Davis.

*The Lowdown on Low-Resistivity Pay*, *Oilfield Review*, Autumn 1995. R. J. Davis, A. Boyd, H. Darling, J. Tabanou, B. Lyon, C. Flaum, J. Klein, R.M. Sneider, A. Sibbit, J. Singer.

*Arkansas Turbidite Studies May Aid Oklahoma Jackfork Exploration*, *Oil & Gas Journal*, August 18, 1997. R.M. Slatt, H. Al-Siyabi, E.T. Williams, CSM, R. J. Davis Schlumberger, C. G. Stone Arkansas Geo. Commission, D.J.W. Jordan ARCO Venezuela.

*Formation MicroImager Logs for Evaluating Stratigraphic Features and Key Surfaces in Thin-bedded Turbidite Sequences*, Gulf Coast Assoc. of Geological Societies, October 1997. Co-authors- Spang, R. J., R.M. Slatt, N. F. Hurley, E. T. Williams, Colo. School of Mines, G.H. Browne New Zealand Institute of Geological & Nuclear Sciences Ltd.

*Cores and Logs of Thin-bedded Turbidites From Behind a New Zealand Outcrop: Analog for Thin-bedded Turbidite Reservoirs*, Sixth Archie Conference, February 1998. Slatt, R.M., Eslinger, E.V., R. J. Davis, Spang R. M., and Browne, G.T.

*New Generation Wireline Logging Tools Enhance Rig Efficiency, Safety and Formation Evaluation*, September 1998, IADC/SPE 47801, IADC/SPE Asia Pacific Drilling Conference, Jakarta, Indonesia. Davis, R.J., Benson, Boser, D. J., Schlumberger

*Outcrop-Behind Outcrop Characterization of Thin-bedded Turbidites for Improved Understanding of Analog Reservoirs: New Zealand and Gulf of Mexico*, SPE 49563, September 1998, SPE Annual Technical Conference and Exhibition. Slatt, R. M., Colorado School of Mines, Browne, G. H., New Zealand Inst. Geological & Nuclear Sciences, Davis, R. J., Schlumberger, et. al.

*Outcrop-Behind Outcrop Characterization of Thin-bedded Turbidites for Improved Understanding of Analog Reservoirs: New Zealand and Gulf of Mexico*, SPE 49563, October 1998, EAGE/AAPG Third Research Symposium 1998, Almeria, Spain. Slatt, R. M., Colorado School of Mines, Browne, G. H., New Zealand Inst. Geological & Nuclear Sciences, Davis, R. J., Schlumberger, et. al.

*Practical Applications of NMR Technology Enhance Formation Evaluation, Testing and Completion Decisions in Indonesia*, Proceedings, Indonesian Petroleum Association, Twenty Seventh Annual Convention & Exhibition, May 1999, Bob Davis, Tom McDonald, Mohamed Aly, Schlumberger.

*Chasing Channel Sands in South East Asia*, AAPG International Conference, Bali, Indonesia, June 2000. P.M. Lloyd, Schlumberger, Kuala Lumpur, Malaysia, R. J. Davis, Schlumberger, Jakarta, Indonesia, R. Koch, VICO, Jakarta, Indonesia, D. DesAutels, Santa Fe, Jakarta, Indonesia, A. M. Zain, CPOC, Kuala Lumpur, Malaysia.

*Novel Drilling, Well-Construction and Evaluation Techniques Lead to Accelerated Deepwater Exploration with Reduced Costs*, Indonesia 2000-Reservoir Optimization Conference, May 2000, Jakarta, Indonesia. T. Brown, J. Noah, R. Redhead, Unocal Indonesia, Balikpapan, Indonesia, R. Davis, Schlumberger, Jakarta, Indonesia, Gus Melbourne, Schlumberger, Balikpapan, Indonesia

*Next Generation Waterflood Surveillance: Behind Casing Resistivity Measurement Successfully Applied in the 'A3-A6' Waterflood at Elk Hills Field, Kern County, California*, SPE 76730, SPE Western Regional/AAPG Pacific Section Joint Meeting, Anchorage, Alaska, May 2002. Mark Starcher, Dave Mut, Mike Fontanarosa, Occidental of Elk Hills, Inc.; Bob Davis, Chris Presmyk, Schlumberger.

*Waterflood Surveillance: Behind Casing Resistivity Measurement at Elk Hills*, SPE JPT October 2002, Mark Starcher, Dave Mut, Mike Fontanarosa, Occidental of Elk Hills, Inc.; Bob Davis, Chris Presmyk, Schlumberger.

*Practical Applications of NMR Technology Enhance Formation Evaluation, Testing and Completion Decisions in Indonesia*, Proceedings, SPE 76717, SPE Western Regional/AAPG Pacific Section Joint Meeting, May 2002. Bob Davis, Tom McDonald, Mohamed Aly, Schlumberger.

*Tractor-Conveyed Sensors and Chemical Packer are Utilized to Remediate an Extended-Reach Horizontal Uncemented Slotted Liner Completion in a Siliceous Shale Reservoir, Kern County, California, USA*. SPE 86938, SPE International Thermal Operations and Heavy Oil Symposium and Western Regional Meeting, Bakersfield, California, U.S.A., March 2004. Jeff Formica, John Wise, Christian Boye-Moller, Bob Davis, Schlumberger, Bob Godfrey, Chuck Walker, Occidental Elk Hills, Inc

*Lightweight Cement, Ultrasonic Cement Evaluation, and Cased Hole Dynamics Formation Pressure Tester Combine to Enhance Infill-Drilling Opportunities in Shallow Marine Shelf Deposits, Kern County, California*. SPE-93959-PP, SPE Western Regional Meeting held in Irvine, CA, U.S.A., 30 March – 1 April 2005. Jeff Formica, Bob Davis, Schlumberger

*Reservoir Characterization Applications of Electrical Borehole Images*, 26<sup>th</sup> Annual GCSSEPM Foundation Bob F. Perkins Research Conference, Houston, Texas, USA, Dec 3-6, 2006, Robert J. Davis, Cheryl Blume, Schlumberger, Roger M. Slatt, The University of Oklahoma

*Systematic Geological and Geophysical Characterization of a Deepwater Outcrop for “Reservoir” Simulation: Hollywood Quarry, Arkansas*, 26<sup>th</sup> Annual GCSSEPM Foundation Bob F. Perkins Research Conference, Houston, Texas, USA, Dec 3-6, 2006, J. Carmillio Goyenche, Roger M. Slatt, Aaron Rothfolk, The University of Oklahoma, Robert J. Davis, Schlumberger

*Characterization of Faults & Folds Using Electrical Borehole Images*, AAPG Annual Convention & Exhibition, Long Beach, California, April 2007, Bob Davis, Schlumberger

*Stratigraphy of the Woodford Shale From Behind Outcrop Drilling, Logging and Coring*, AAPG Annual Convention & Exhibition, San Antonio, Texas, USA, April 20-23, 2008, Nichole Buckner, Roger Slatt, The University of Oklahoma, Robert J. Davis, Schlumberger and Bill Coffee, Devon Energy.

Dipmeter and Borehole Image Log Technology, AAPG Memoir 92, 2010, Edited by M. Poppelreiter, C. Garcia-Carballido and M.A. Kraaijveld, Chapter 10, Calibrating Borehole Image and Dipmeter Logs with Outcrops and Behind-outcrop Cores: Case Studies and Applications to Deep-water Deposits, Roger Slatt, The University of Oklahoma, Robert J. Davis, Schlumberger.

Slatt, R. M., N. Buckner, Y. Abousleiman, R. Sierra, P. Philp, A. Miceli-Romero, R. Portas, N.O'Brien, M. Tran, R. Davis, and T.Wawrzyniec, 2011, Outcrop/behind outcrop (quarry), multiscale characterization of the Woodford Gas Shale, Oklahoma, in J. Breyer, ed., Shale reservoirs-Giant resources for the 21st century: AAPG Memoir 97, p. 1-21

Numerous Oral Presentations delivered for local and region societies including Geology, SPWLA, AAPG & SPE.

### **Research:**

Facilitated and coordinated the Schlumberger role in an Industry Consortium for “An Outcrop Study of Thin-bedded, Slope Fan Turbidites, Mt. Messenger Formation, Taranaki, New Zealand, With Applications to Thin-bedded, Turbidite Reservoirs”. Co-leaders of the consortium were Roger Slatt, Colorado School of Mines and Greg Browne, New Zealand Institute of Geological & Nuclear Sciences Ltd. Industry members were Amoco E&P, Conoco, Exxon Prod. Research, Norsk Hydro, Petrocorp Exploration, Texaco and Schlumberger. High Resolution PEX and FMI data was acquired just behind the outcrop and integrated into the outcrop work, whole core from the wells and high resolution seismic.

### **Short Courses:**

*Modern Clastic Depositional Systems-Field Short Course*. Resurrected, organized and directed this course originally developed by Al Gilreath around an AAPG short course with Miles Hayes. Introduced clients to the actual depositional environments as seen

along the South Carolina coast and made the Dipmeter/Image connection. The course was taught once per year with over 30 client and Schlumberger people from across NAM attending. 1991-1996

*Petroleum Geology of Deep Water Systems- AAPG Field Short Course* developed around the Jackfork outcrops in Central Arkansas. Co-leaders Roger Slatt, Geology Dept. Head Colorado School of Mines, Paul Weimer, Geophysics Professor at Univ. of Colorado, and Doug Jordan, Senior Geologist ARCO International. This was an annual course offered by AAPG with worldwide attendees. 1994-1996

**Awards:**

Schlumberger Wireline Wildcatter Club – 1988

North Region Interpretation Symposium 1<sup>st</sup> Place – 1989

Schlumberger Doll Research Interpretation Symposium, selected to present - 1989

North America Interpretation Symposium 2nd Place – 1994

Performed by Schlumberger Silver – 2002 (PowerSTIM Implementation NAM)

Performed by Schlumberger Gold – 2002 (CHFR market introduction)

West Coast PTTC Technology Award 2002 for CHFR

**Professional Societies:**

Member of AAPG, SPE, SPWLA, IPA, NOGS, PAPG, SJGS, SJWLS.

Active in AAPG Visiting Geologist Program, 2004 till present.

Independent Oil & Gas Association of New York, Board Member 1987-90 and Annual Meeting General Chairman 1988 & 1989. Presented with IOGA of NY Award for Meritorious Service.

Buffalo Association of Professional Geologists: VP Membership 1988-1990.

Buffalo Association of Professional Geologists: Short Course Coordinator 1988-1990.

New Orleans Chapter SPWLA: Treasurer – 1994

Indonesian Petroleum Association: Technical Committee Member 1997 - 2000.

Indonesian Petroleum Association: Convention Paper Selection Committee 1997-2000.

Pacific Section Meeting AAPG: Session Organizer and Chairman – 2001

Bakersfield Chapter SPWLA: VP Programs 2002

Pacific Section Meeting AAPG: Session Organizer and Chairman – 2004