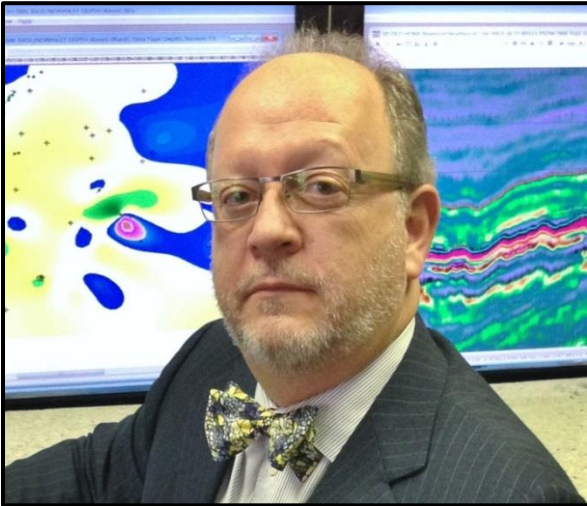


# KEVIN B. HILL



**K**evin B. Hill is a geophysical consultant with more than 38 years of broad U.S. and international experience in seismic earth imaging. He is president of Hill Geophysical Consulting in Shreveport, Louisiana.

Mr. Hill specializes in integrating state-of-the-art geophysical technologies with geology. He has designed, processed and interpreted numerous 2d, 3d and 4d seismic surveys throughout the world.

Current work includes imaging of near-surface geology, unconventional reservoir studies using 2d and 3d seismic analysis, solution mining and mine imaging, and geological studies of the Haynesville, Bossier and Barnett

Shale trends. Hill also has been involved in numerous gas and oil storage projects. This work includes processing and detailed analysis of 2d and 3d seismic data for imaging of structural boundary positioning and rock properties.

Mr. Hill was involved in the original design of the PC-based seismic workstation software called Kingdom 3d-Pak. He has taught courses on using Seismic Micro-Technology, Inc., Kingdom software at schools around the world. His schools include data loading, interpretation, mapping, post-stack processing, stratigraphic analysis, synthetics, modeling, 3d visualization, and presentation techniques.

Hill received a BS-Professional Degree in Geology in 1977 from Louisiana State University, Baton Rouge, LA, where he was president of Sigma Gamma Epsilon, and received the H.V. Howe award for outstanding Geology graduate. Prior to becoming a consultant in 1987, he worked as Senior Exploration Geophysicist for Sonat Exploration in Shreveport, LA; Regional Exploration Geophysicist for Forest Oil Corporation in Lafayette, LA, and Jackson MS; and as a Senior Geophysicist for Cities Service Company in Tulsa, OK, and Jackson, MS. Hill has authored and presented numerous technical papers at Gulf Coast professional society meetings. In 2000 he received the Third Place Excellence of Presentation Award at the 50<sup>th</sup> GCAGS convention. At the 51<sup>st</sup> GCAGS convention, in 2001, he received the First Place Excellence of Presentation award and the A.I. Levorsen Award.

Mr. Hill is a Professional Geoscientist licensed by the State of Louisiana Board of Professional Geoscientists. He is a member of the Society of Exploration Geophysicists, American Association of Petroleum Geologists, the Solution Mining Research Institute, the Shreveport Geological Society, and the Houston Geological Society. He is Past President of the Shreveport Geological Society, and is a Grand Sénéchal in the Confrérie des Chevaliers du Tastevin.

## Hill Geophysical Consulting

415 Texas Street, Suite 200 • Shreveport, LA 71101 • 318-221-3329 • Kevin@HillGeo.com

HillGeo.com

“Integrating Geophysical Technology with Geology”

# KEVIN B. HILL

## EMPLOYMENT

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1987 - Present Hill Geophysical Consulting  
*President/Owner*

- Exploration and production seismic work for many clients
- Integrating Geophysical technology with Geology
- State-of-the-art interpretation using PCs
- Teaching seismic exploration methods using PCs (International)
- 2d and 3d seismic design, acquisition, processing, and interpretation
- Expert witness
- Field unitization work for hearings using 3d seismic

1985 - 1987 Sonat Exploration Shreveport, LA  
*Senior Exploration Geophysicist*

- Responsible for the exploration effort in south Arkansas and north Louisiana

1981 – 1987 Forest Oil Corporation Jackson, MS and Lafayette, LA  
*Regional Exploration Geophysicist*

- Responsible for exploration effort in Mississippi, Alabama, Arkansas, and Louisiana
- Purchased large regional 2d seismic data bases in the Mississippi, Arkansas, and Louisiana salt basins
- Evaluation of hardware and software for the exploration/production group

1977 – 1981 Cities Service Company Tulsa, OK and Jackson, MS  
*Senior Geophysicist*

- Exploration training program in Tulsa
- Geophysical exploration in Mississippi, Alabama, Arkansas, Louisiana, and Texas
- Helped design and participated in regional 2d seismic group shoots in Mississippi, Arkansas, and Louisiana

## EDUCATION

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1973 - 1977 Louisiana State University Baton Rouge, LA  
*BS-Professional Degree – Geology*

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## SUMMARY OF QUALIFICATIONS

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- Purchased, organized, interpreted, and mapped large regional 2d seismic databases in the upper US Gulf coast
- Basin analysis using seismic and sub-surface data
- Stratigraphic analysis of seismic data from regional to prospect scale
- Statistical analysis of seismic and sub-surface data to determine correct time/depth relationship, bed thickness, and rock and reservoir characteristics
- Loaded hundreds of thousands of miles of 2d and 3d seismic data on various workstation platforms
- Assembling geographic, well, and seismic data for workstation analysis
- Teaching data loading, beginning, intermediate, and advanced interpretation methods, and power-user's school for Seismic Micro Technology's KINGDOM software
- Skilled in using almost every workstation platform used in the industry
- Prospect presentation using real-time computer graphics
- Prospect brochure assemblage and presentation using different software packages (Kingdom, Surfer, Spase, Cad, Word, Excel, PowerPoint, etc.)
- Responsible for 1<sup>st</sup> exploration 3d seismic program in south Arkansas
- Responsible for 1<sup>st</sup> exploration 3d seismic program in Alabama
- Responsible for 1<sup>st</sup> exploration 3d seismic program in north Louisiana
- Responsible for 1<sup>st</sup> exploration 3d seismic program in east Texas
- Participated in effort culminating in discovery of many large oil and gas fields in the Cretaceous and Jurassic of the upper Gulf coast
- Numerous industry schools concerning exploration and production
- Presented papers at SEG, AAPG, GCAGS and SIPES conventions
- Spoken at numerous Geological, Geophysical, and SIPES meetings around the south
- Gas storage cavern seismic analysis
- Haynesville shale unconventional resource play regional trend work
- Bossier sand/shale unconventional resource play regional trend work

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- James lime fractured carbonate unconventional resource play trend work
- Barnett Shale unconventional resource play seismic trend work
- Professional Geoscientist licensed by the State of Louisiana Board of Professional Geoscientists, License # 475

## PROFESSIONAL MEMBERSHIPS

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Society of Exploration Geophysicists, American Association of Petroleum Geologists, Solution Mining Research Institute, Shreveport Geological Society, and Confrérie des Chevaliers du Tastevin

## CLIENTS

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Anderson Oil and Gas, Shreveport, Louisiana – William Meaney  
 Seismic Micro Technology, Houston, Texas – Dr. Thomas Smith  
 TMR Exploration , Bossier City, Louisiana – Raymond Lasseigne  
 PetroChem, Shreveport, Louisiana – Larry Hock  
 The Peavy Companies, Shreveport, Louisiana – Scott Peavy  
 Cobra Oil and Gas, Wichita Falls, Texas – Robert Osborne  
 Forman Petroleum Corp, New Orleans, Louisiana - Michael D. Emmerling  
 Dragon Petroleum, New Orleans, Louisiana - McLain Forman  
 C. H. C. Gerard and Associates, New York, New York - Charles Gerard  
 Wiser Oil Company (The), Dallas, Texas - Robert (Rob) J. Kerian  
 Paramount Petroleum, Ridgeland, Mississippi - Bob Schneeflock  
 Rudman Partnership (The), Dallas, Texas - James C. Trimble  
 JN Resources, Houston, Texas - Greg Halvatzis  
 Pruet Oil Company, Jackson, Mississippi - David Cate  
 Hughes Exploration , Jackson, Mississippi - Dudley J. Hughes  
 Petroleum Technology Transfer Counsel - Golden, Colorado - Sandra Mark, Ph. D.  
 Texas Brine Company, LLC, Houston, TX - Joel Warneke  
 PB Energy, Houston, TX - David Dinwoodie  
 Ratigan Engineering & Consulting, Rapid City, SD - Dr. Joe Ratigan

## PUBLISHED PAPERS

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*Using 3D Seismic Reflection Data, Vertical Seismic Profiles and Sub-Surface Well Control to Get the Real Picture of US Gulf Coast Salt Domes*  
 Solution Mining Research Institute Technical Conference Paper Fall 2013

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*Is 3d Seismic Data The Bass-Finder of Oil and Gas? Examples of some "honey-holes" in Southwest Alabama*

GCAGS Transactions 2001 Annual Convention

*3D Seismic Recognition of the Jurassic Smackover Reservoir of Grayson Field Using Leading Edge Reservoir Characterization Seismic Processing*

GCAGS Transactions 2001 Annual Convention

*Sand Thickness Prediction from 3d Seismic Data: A Case Study of the Upper Jurassic Frisco City Sand of Southwest Alabama*

The SEG's The Leading-Edge September 2001 & GCAGS Transactions 2000 Annual Convention

*The Grayson Field Smackover Lime Oil Reservoir, Columbia County Arkansas*

3d Seismic Case Histories from the Gulf Coast Basin - A GCAGS Special Publication 1998

*Tinsley Field, Yazoo County, Mississippi: A 3d Seismic Evaluation*

3d Seismic Case Histories from the Gulf Coast Basin - A GCAGS Special Publication 1998

*Tinsley Field, Yazoo County Mississippi: A Deeper Look at Mississippi's First Oil Field Using 3d Seismic*

GCAGS Transactions of the 47<sup>th</sup> Annual Convention

## AWARDS AND HONORS

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A.I. Levorsen Award 2001 GCAGS

2001 GCAGS Thomas A. Philpott 1<sup>ST</sup> Place Excellence of Presentation Award  
Sigma Gamma Epsilon

H.V. Howe award for outstanding Geology graduate

"Joe Geologist" award for top field camp student

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