

# Jack J. Kenning, M.Sc.

Houston, TX

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## Geology PhD Candidate with Strong Professional Track Record Seeks Internship Opportunity

### PERSONAL SUMMARY

- University of Houston PhD student focusing on basin analysis and petroleum systems; projected graduation fall 2020
- Research Assistant for CBTH (Conjugate Basins, Tectonics, and Hydrocarbons) group, under advisement of Dr. Paul Mann
- Thesis project: Tectonic Evolution and Petroleum Systems Potential of the Southern Gulf of Mexico
- Strong commercial focus and excellent industry experience with proven record implementing value-enhancing ideas
- Leadership attributes: student society leader, student mentor, project self-starter, actively participates in industry events
- British Citizen and US Permanent Resident (married to a US citizen)

### PROFESSIONAL EXPERIENCE

#### UNIVERSITY OF HOUSTON, Houston, TX

07/17 - Present

##### *Research Assistant, Conjugate Basins, Tectonics, & Hydrocarbons Research Group (CBTH)*

- Seismic characterization and mapping of highly-deformed Paleogene mass transport deposits, assessing impact on structural development of overlying fold structures, impact of distribution on hydrocarbon prospectivity.
- Basin modelling and play analysis of the deepwater Campeche and Yucatan margins to assess hydrocarbon prospectivity.

#### CONOCOPHILLIPS, Houston, TX

05/19 – 08/19

##### *Geology Intern, International New Ventures*

- Petroleum systems, play, and economic analysis of the frontier Sirt Basin, offshore Libya; gross depositional environment and risk mapping for key plays used as recommendation for data acquisition and future country exposure decisions.
- High-graded most prospective areas of the basin for each key play interval and cataloged over thirty potential leads.

#### CONOCOPHILLIPS, Houston, TX

05/18 – 08/18

##### *Geology Intern, Permian Basin Reservoir Characterization*

- Integration of well and seismic data to map Bone Spring and Wolfcamp reservoirs along the poorly-constrained eastern edge of the Delaware Basin; interpreted stratigraphic framework and characterized facies variability.
- Built regional 3D velocity model; used depth-converted formations to perform competitor well targeting and production analysis.
- Identified additional acreage with unconventional potential worth ~\$150MM total value for potential monetization.

#### EXCELLENCE LOGGING, Tulsa, OK

04/17 – 06/17

##### *Wellsite Operations Geologist, Anadarko Basin*

- Responsible for overseeing geological aspects of horizontal drilling program for the Woodford Shale. Analyzing field data on-site and interpreting the subsurface to report operations status and provide instructions, 95% in-target average.

#### ANADARKO PETROLEUM CORPORATION, Houston, TX & London, UK

08/12 – 03/16

##### *Exploration Geologist, Lower 48 Gulf Coast*

12/15 – 03/16

- Seismic sequence stratigraphic interpretation of the Cretaceous carbonate section in the North Louisiana Salt Basin; formulated potential new play concept and identified promising leads, characterized remaining potential in the basin.

##### *Development Geologist, Eagle Ford Shale*

09/14 – 11/15

- Planned and oversaw geologically >100 economically successful, up to \$9MM horizontal wells.
- Designed and implemented an integrated reservoir targeting re-evaluation resulting in improved EUR's; interpreting and integrating geological, geophysical, geomechanical, and petrophysical data.
- Worked with reservoir engineering to produce a PIR (Profit-to-Investment Ratio) analysis for production estimates and valuation of undrilled acreage by developing a geologic rock model.

##### *Exploration Geologist, Northern Africa*

08/12 – 08/14

- Responsible for prospect mapping, reserves estimation, risking, and depositional analysis for conventional and unconventional reservoirs; constrained regional play limits and identified several key areas to focus exploration efforts.
- Oversaw operations for two deep exploratory wells that resulted in a condensate discovery; included mapping predicted tops, calling casing points, overseeing coring and wireline program.
- Constrained critical source rock maturity risk across Moroccan acreage and conducted an economic assessment, work directly led to recommendation for key financial decision regarding asset future.

**Geoscience Intern, International New Ventures**

05/12 – 09/12

- Geologic and economic evaluation of acreage offshore Montenegro; seismic mapping of complex faulted carbonate shelf margin, amplitude extraction of clastic channel and turbidite features, and maturity modeling.
- Presented mapped prospects, reserves calculation, risk analysis as recommendation to management ahead of upcoming bid round.

**ACADEMIC QUALIFICATIONS****University of Houston, Houston, TX**

09/17 – Present

Doctor of Philosophy in Geology (GPA 4.0) (projected graduation, fall 2020)

*Thesis: Basinal Evolution & Petroleum Systems Potential of the Mexican Ridges Fold-belt, Western GOM**Advisor: Dr. Paul Mann***Royal Holloway, U. of London, London, UK**

09/11 – 09/12

Master of Science in Petroleum Geoscience, First Class Distinction (GPA 4.0 equivalent)

*Thesis: A Petroleum Systems Evaluation of the Ulcinj Block, Offshore Montenegro**Awards: Anadarko Sponsorship***University of Manchester, Manchester, UK**

09/08 – 07/11

Bachelor of Science in Geology (Hons), Upper Second Class 2:1 (GPA 3.69 equivalent)

*Thesis: The Geology of Ivars De Noguera, North-Eastern Spain (field mapping)***SKILLS****Software:** Petrel, SES, SMT Kingdom, Landmark DSG, ArcGIS, Petromod, Genesis & Trinity, Petrosys, Spotfire, G-Plates, Adobe suite, Microsoft suite**Geological:** geosteering, well planning, risking/reserves, subsurface mapping, reservoir characterization, 2D & 3D seismic interpretation, well log analysis, seismic velocity modeling, basin modeling, tectonic reconstruction and basin analysis**ACTIVITIES & HONORS**

AAPG ACE Conference and Exhibition – 1 <sup>st</sup> Place, Poster Competition	2019
UH AAPG Student Chapter – Officer	2019 – 2020
UH AAPG Student Chapter – President	2018 – 2019
GCAGS Conference – 2 <sup>nd</sup> Place Poster Competition	2018
AAPG ACE Conference and Exhibition – 4 <sup>th</sup> Place, Poster Competition	2018
UH EAS Student Research Day – 1 <sup>st</sup> Place, Oral Presentation	2018
UH EAS Outstanding Graduate Work in Geology Scholarship	2018 and 2019
UH Presidential Fellowship Award	2017 and 2018

**SELECTED PUBLICATIONS, REPORTS & PRESENTATIONS**

Kenning J. and Mann P. (2019) Controls of Cenozoic Mass Transport Deposits on Hydrocarbon Prospectivity of the Mexican Ridges Fold-Belt, Western Gulf of Mexico, *AAPG ACE 2019 Annual Convention & Exhibition*

Kenning J. and Mann P. (2019) Control of extensive, Paleogene, mass transport deposits on structural style and hydrocarbon prospectivity, Mexican Ridges foldbelt, Western Gulf of Mexico, *Marine and Petroleum Geology (in review)*

Kenning J. and Mann P. (2018) Tectonic Controls on Along-Strike Variations in the Bathymetry, Width, and Structural Style of the Mexican Ridges Deepwater, Fold-thrust Belt, Western Gulf of Mexico, *AAPG ACE 2018 Annual Convention & Exhibition*

Kenning J. and Mann P. (2017) Cretaceous to Recent Asymmetrical Subsidence of South American and West African Conjugate Margins, *AGU Fall Meeting, New Orleans*

Kenning J. (2017) Basinal and hydrocarbon framework of the Mexican Ridges structural province, Gulf of Mexico, *AAPG Leadership Day / HGS Sheriff Lecture November 2017*

Kenning J. (2014) Evaluation of the Acacus sandstone play, focusing on the BEKS area of the Berkine-Ghadames Basin, *Anadarko internal report and presentation*

Kenning J. (2014) Unconventional Resource Potential of the Assa Reconnaissance Permit, Southern Morocco, *reconnaissance report and presentation, produced for ONHYM*