



AAPG

Research LAUNCHER Program

About You

First Name: ___Selim Simon_____ Last name: Shaker_____

Company/University: ___Geopressure Analysis Services (G.A.S.)_____

Check which apply to you: Independent Researcher

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Address: 12114 Gladewick, Drive

City: Houston State: TX Zip Code: 77077

Country: USA

Email: ___shaker@geo-pressure.com_____

Short Bio: (250 words or less)

Dr. Shaker has over 30 years in the oil industry. He is the director of the Geopressure Analysis Services (G.A.S). His recent work has been focused on the Shelf and Deep Water of the Gulf of Mexico; however, he has worldwide exploration and exploitation experience in Egypt, NW Australia, Algeria, Libya, North Sea and China. Building the geological foundation for pore pressure prediction, geopressure analysis and prospect risk assessment is his exclusive specialty. As a pioneering geoscientist, he has been the first to recognize geopressure transgression and regression due compartmentalization, as well as the disparity between predicted and measured pore pressure. Moreover, he established the Supra and sub salt geopressure models His new method of NCT (normal compaction trend) calculation will eliminate serious mistakes and mishandling of pore pressure prediction modeling.

He received a B.Sc. (honor), M.Sc. and Ph.D. in Geology from ASU, Egypt, and also received a diploma in Hydrogeology from Prague University (UNESCO).

He has published over 45 papers and articles regarding the application of geopressure in exploration and drilling for oil and gas. He is an active member of AAPG, SEG, HGS, GSH, EAGE and AADE.

Project Description

1. Name of project: **Causes of Seals Failure in Deep Water Exploration Plays.**

2. Brief synopsis/areas of geosciences or engineering (50-75 words)

It is a comprehensive study with tremendous benefits for deep water exploration. It assesses the risk of a prospect by integrating the geological building blocks into the subsurface geopressure. Correlating the producing wells with the dry holes in the same fairway sheds light on the viability of trapping hydrocarbon vs. breached seal.

Dry holes provide valuable information as much as the discovery wells. Justify the success or failure beginning from the prospect generation to the completion phase is a keystone of this study.

3. Bullet list of 5-7 main outcomes/goals.

- Evaluation of the Exploration Fairways in the Flexure trend (Under explored)
- Modeling the geopressure in the salt basins (intricate endeavor)
- Modeling the geopressure in the over-thrust belt (most active trend)
- Explore the geological setting that cause reservoir breaches
- Lessons learn that can reduce risks in prospect's inventory.
- _____

__ In two or three sentences, describe why your research is important. Please mention who will benefit from your work.

Avoid drilling the disappointing seismic amplitude anomalies. Assess the real economic feasibility prior spud the wildcat. The energy sector of the USA will be greatly benefited from the proposed project

5. Timeline with milestones (12 month/18 month) _____

First phase is 18 month

6. Funding amount needed to achieve first basic goals within 12 months. Please provide a brief summary overview of your budget. List costs of 5-10 main items. _____

Cost is roughly about \$ 100 K in the first 12 months. This is not including seismic which will be provided by the participants.

7. In the process of gaining background knowledge in the field of your proposed research, who did you find to be the top two or three researchers? What are the main concepts that are being explored? Please briefly describe. ____

This approach is new on a semi-regional scale. Possible there is sporadic single 1D similar analysis!!

_ 8. Please provide a photo of yourself and a photo related to your proposed project. It will be very helpful in publicizing your project and potentially securing funding.

What is potentially securing funding?

9. Who will benefit? ____

The main benefits go to the energy sector especially companies work in Deep Water.

AAPG Research LAUNCHER supporters receive

The opportunity to work directly with you and receive reports, information, and findings, depending on the level of support.

The Deal

The researcher agrees to:

- ❖ Develop a brief public presentation on the research to be made available to AAPG
- ❖ Share an annotated bibliography and review of relevant published articles
- ❖ Present research findings on project at an AAPG Forum, GTW, or Research Symposium
- ❖ Write a detailed report on the results of your research to be made available to LAUNCHER supporters
- ❖ Write a extended abstract on the results of your research to be made available to AAPG

Thank you for submitting your research proposal to the AAPG Research LAUNCHER Program. Your proposal will be reviewed and upon acceptance you will be contacted by AAPG Education/Research. If your proposal is accepted, we will publicize your proposal and encourage funders to contact you directly. AAPG does not guarantee funds nor have any connection with the success or failure of the endeavor. The goal is to support scientific research in the petroleum geosciences and engineering and launch the next generation of geological advances.

_Selim Simon Shaker
Research Candidate (print)

June 16, 2014
Date

AAPG Education/Research (print)

Date

Research Candidate (sign)

Date

AAPG Education/Research (sign)

Date

AAPG Education/Research

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