HADI TIMEDIOUINE

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Summary

Geophysicist with 15 years of broad-based international experience in Land and Marine Seismic. Led and collaborated in multiple projects around the world including UK Offshore, North Africa and Middle East. Proficient in 2D/3D seismic data acquisition, seismic data processing and project management, as well as Shell scripting and Python programming for Automation and QC/QA tasks.

Experience in processing and the delivering of various 2D & 3D HR seismic projects. Multi-disciplinary collaboration in depth imaging and AVO/reservoir analysis, where I used state of the art processing tools and latest workflows that address complex subsurface challenges.

Built strong relationships with clients engaging in upfront and honest dialogues when leading working meetings and on day-to-day project management duties.

Technical Skills:

- **Seismic data processing and Quality Control:** Omega, Seismic Unix, ProMAX, Petrel, QGIS.
- **Seismic Survey Design and Planning:** OMNI 3D, iManage.
- **Advanced acquisition techniques:** ISS, High productivity with MSS, DS3 and DS4.
- **Programming skills:** Bash, Python, MATLAB fundamentals.
- **Project Management:** Scheduling, Planning, forecasting, and budgeting using Microsoft Project.

Work Experience

Project Leader Geophysicist
Schlumberger Digital & Integration

Jul 2019 – Dec 2020
Abu-Dhabi, UAE

Reported directly to Abu-Dhabi Geo-solutions Center Manager, responsible for executing and managing 2D/3D seismic data processing projects for Lukoil.

- Solved and overcoming many challenges while processing the 2D/3D Land datasets:
  - Static calculations: Worked on advanced processing workflows to build the shallow velocity model.
  - Interbed multiples: The presence of potential multiples generators (carbonite and dolomitic formations) exhibits the use of compulsive interbed de-multiple application such as (XIMP).
  - Irregular and sparse sampling: 5D Matching Pursuit Fourier Interpolation (MPFI) algorithm was used to reconstruct the missing data in the frequency domain.
- Reprocessed 7300km of modern and historical 2D seismic data (1980s) from different vintages and achieving significant uplift in the final stacked images when compared to the original processing.
- Produced forecasts and project finance reports, interacted consistently with customers and prepare working meetings to make sure that the processing outcome truly meet the client requirements.

Geosolutions Geophysicist
Schlumberger Geosolutions

Aug 2012 – Jul 2019
Kuwait, Saudi Arabia

Processing of broadband, high-density, full-azimuth point-receiver 3D seismic surveys for key clients, Kuwait Oil Company, KGOC and Saudi Aramco. High density channels crews (> 200k channels):

- Processed seismic data from raw field records through final migrated stack (Vibroseis/Dynamite).
- Ensured all necessary testing is performed and results are presented clearly with improvement recommendations made where appropriate.
- Wrote Shell scripts to streamline data entry and automate QC tasks and data management.
- Developed and maintained strong client relationships though the communication of processing outcomes and attend meetings to discuss the processing goals.
- Implemented and taught a training class for WG Junior Geophysicists and Client trainees on Omega Geophysical data processing platform technology and methodology.

Offshore Field Geophysicist   May 2012 – Aug 2012
ION GX Technology   *Scotland, Offshore UK*

In most challenging basins in the world (Shetland Islands), onboard Polarcus Vessel:

- Real time data flow QC and fast track processing, including denoise and seismic interferences noise attenuation, brute stack QC.
- Assisted with the deployment and recovery of in-sea gear from the vessel's back-deck as well as on small purpose work boat. Wrote reports and provide notes at crew change.

Geophysics Instructor   Feb 2010 – May 2010
SONATRACH, Algerian Petroleum Institute (IAP)   *Boumerdes, Algeria*

- Provided training classrooms on seismic acquisition principles for upstream oil & gas professionals.
- Prepared workshops on basics of seismic data processing using ProMAX and Seismic Unix.

Field Geophysicist/Senior Field Geophysicist   Nov 2005 – May 2012
Schlumberger WesternGeco   *Algeria, Desert*

Assigned to different 3D Land crews, Sercel, QLand, QXpress and UniQ, reported directly to the Chief Geophysicist.

- Coordinated field crew start-ups tests and producing appropriate field parameters designs.
- Planned 2D/3D seismic surveys, selected appropriate parameters and send pre-plan proposal to client.
- Generated the seismic survey pre-plan and assigned the production plans to the field operations.
- Conducted Quality control and analysis of the instrument tests, S/N ratio, Auxiliary checks and vibrators data verification in accordance with client specifications and procedures.
- Performed field seismic data QC/data processing, confirmed source and receiver position and QC of shot records/field stacks to ensure about the data quality and compliance with contract specifications.
- Prepared the Uphole/Refraction survey program and supervised the drilling and logging crew team.
- Arranged the upgrade of the Geophysical computer system and maintained updates on Linux clusters and disk RAID storage.

Education

Paris Sorbonne UPMC University, France, **M.Sc. (Hons) in Geosciences**   Sep 2004 – Sep 2005

National Institute of Hydrocarbons & Chemistry, Algeria, **Geophysical Engineering**   Oct 1996 – Oct 2001

Summer Internships

Total E&P France (Pau), 2005: As a Geophysicist, I was in charge of a post-mortem study on a certain number of wells in order to quantify well by well the error in the Prediction of the Pore Pressure according to their cause.

IPGP Paris, 2004: As a Seismologist trainee, I processed the data from the multi-component seismic polarization using Seismic Unix in order to relocate earthquakes from volcano tremors.

Courses and Certifications

Python Programming Essentials & Python Data Analysis: Rice University certificate (May - June 2021)
OFS-3: People Management and presentation skills Course: Abu-Dhabi, UAE (Aug 2013)
DP-3: Project Leader course, Houston, TX (July 2013)
3D Survey Evaluation and Design (SED): Abu-Dhabi, UAE (July 2013)
DP-2 course: Advanced processing and Noise attenuation techniques; Houston, TX (April 2013)
ProMax course: Onboard QC flowchart and seismic data processing, Houston, TX (June 2012)
Petrel fundamentals: IFP School training certificate, IAP, (Jan 2010)
2D & 3D design for Land Seismic Operations: Abu-Dhabi, UAE (October 2008)
DP-1 course: Seismic Data Processing fundamentals, Dubai, UAE (Feb 2006 - Apr 2006).