

Resume
Befriko S. Murdianto
Geophysicist

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Befriko S. Murdianto



Professional Experience

- WesternGeco
- Sep 2002 - now: Responsible for all functions related to day-to-day production of 2D/3D marine and 3D OBC seismic data processing and interpretation. Duties included production, parameter and new algorithms testing and QC of seismic data processing, seismic velocity interpretation and velocity model building. Additional responsibility as the Loss Prevention Team (LPT) Leader for WesternGeco Jakarta.
- Univ. of Indonesia
- Aug 2001 - Sep 2002: Responsible for teaching undergraduate students and research assistant in Geophysics Program, University of Indonesia. Done numerous research on shallow subsurface imaging, anisotropy and wave modeling.

Projects assigned within WesternGeco

- CoPi Kerisi-Hiu
- As a project leader, responsible for maintaining production within scheduled turnaround time, client contacts, and extensive testing for solving long and medium wavelength static correction due to low-velocity channels.
- BP Vorwatta
- Extensive testing on the use of FX coherent noise suppression and 3D FK techniques on cross-spread gathers to attenuate low-velocity and linear noise.

Professional Experience (continued)

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| Unocal Balikpapan | <ul style="list-style-type: none">• Production and parameter testing for FX coherent noise suppression, P-Z summation based on non-linear method, surface-consistent decon, Kirchhoff prestack time migration. |
| ENI Muara Bakau | <ul style="list-style-type: none">• Production and parameter testing for Tau-p decon, high-resolution radon, pre-migration conditioning, Kirchhoff prestack time migration, and spatially-consistent velocity analysis. |
| Total Saliki | <ul style="list-style-type: none">• Extensive testing on hybrid prestack time-depth migration. This method employs depth migration algorithm but using a time migration workflow for the velocity model building. Testing focused on the velocity model building and travelttime table generation for depth migration. |
| Unocal Gendalo | <ul style="list-style-type: none">• Production and parameter testing for high-resolution radon, pre-migration conditioning, Kirchhoff prestack time migration, and angle stacks generation. |
| Santos Sampang | <ul style="list-style-type: none">• Extensive testing on SRME, Tau-p decon, high-resolution radon, pre-migration conditioning, and anisotropic Kirchhoff prestack time migration. The objective was to improve the tie between surface seismic and well data through the use of anisotropic migration. |
| CNOOC Karmila | <ul style="list-style-type: none">• As a Junior DP geophysicist, involved mainly on the production stage covering multiple suppression techniques, pre-migration conditioning, and Kirchhoff prestack time migration. |
| ConocoPhillips Nila | <ul style="list-style-type: none">• As a Junior DP geophysicist, involved mainly on the production stage covering multiple suppression techniques (SRME and radon), pre-migration conditioning, and Kirchhoff prestack time migration. |

Formal education history

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| 1996 - 2001 | <ul style="list-style-type: none">• BSc. Physics/Geophysics, University of Indonesia. Thesis: The use of ground penetrating radar in detecting the depth and radius of a cylindrical anomaly. |
| 2004 - present | <ul style="list-style-type: none">• MSc. Reservoir Geophysics, University of Indonesia (ongoing, will be completed in 2006). Currently working on a thesis with the subject of Bayesian approach for constraining facies simulations with seismic information. |

Professional Experience (continued)

References

- Dr. Suprajitno Munadi • Research Professor, PPPTMGB “Lemigas” Jakarta.
Email: smunadi@lemigas.esdm.go.id
- Dr. Leonard Lisapaly • Senior Project Geoscientist, Fugro-Jason Jakarta.
Email: llisapaly@fugro-jason.com
- Abdul Latif • Senior Geophysicist, Chevron Indonesia Company.
Email: alatif@chevron.com