



TABLE OF CONTENTS PAGE

TUTORIAL

Simulation of Borehole Nuclear Measurements: A Practical Tutorial Guide for Implementation of Monte Carlo Methods and Approximations Based on Flux Sensitivity Functions

Mathilde Luycx, Mohamed Bennis, and Carlos Torres-Verdín, and William Preeg
PETROPHYSICS, VOL. 61, NO. 1 (FEBRUARY 2020); PAGES 4–36; 11 FIGURES; 1 TABLE.

REFERENCE www.doi.org/10.30632/PJV61N1-2020t1

ARTICLES - REGULAR SUBMISSIONS

Comparison of the Russian and Western Resistivity Logs in Typical Western Siberian Reservoir Environments: A Numerical Study

M.I. Epov, K.V. Sukhorukova, O.V. Nechaev, A.M. Petrov, M. Rabinovich, H. Weston, E. Tyurin, G.L. Wang, A. Abubakar, and M. Claverie

PETROPHYSICS, VOL. 61, NO. 1 (FEBRUARY 2020); PAGES 38–71; 28 FIGURES; 2 TABLES.

REFERENCE www.doi.org/10.30632/PJV61N1-2020a1

Response Characteristics of an Array Induction Tool in Heterogeneous Anisotropic Formations

Zhiying Liu, Baiqiao Zhang, Chengguang Zhang, Wei Xu, Xi Kang, and Chengwen Xiao
PAGES 72-85; 9 FIGURES; 2 TABLES.

REFERENCE www.doi.org/10.30632/PJV61N1-2020a2

A Physics-Driven Deep-Learning Network for Solving Nonlinear Inverse Problems

Yuchen Jin, Qiuyang Shen, Xuqing Wu, Jiefu Chen, and Yueqin Huang

PAGES 86-98; 11 FIGURES; 4 TABLES.

REFERENCE www.doi.org/10.30632/PJV61N1-2020a3

Bayesian Geosteering Using Sequential Monte Carlo Methods

Dilshad R Akkam Veetil and Kit Clark

PAGES 99-111; 8 FIGURES.

REFERENCE www.doi.org/10.30632/PJV61N1-2020a4

Untangle Shale and Gas Effects to Estimate Porosity and Net/Gross Ratio Using a Boomerang Workflow-A Case Study in Shoreface Reservoirs in Brunei

Chunming Xu and Aishah Helena Sharif

PAGES 112-127; 9 FIGURES.

REFERENCE www.doi.org/10.30632/PJV61N1-2020a5

HOW TO ACCESS ARTICLES

SPWLA Members have access to journals through paid membership packages. Annual dues include digital issues of Petrophysics Journal. Sign into your account Visit tab Publications → Petrophysics Papers.

Expired Membership? Sign into your account <https://www.spwla.org/SPWLA/Members/MemberHome.aspx> to make payment. Reset maybe delayed by until the next SPWLA business day.

Become a member? Join now https://www.spwla.org/SPWLA/Membership/Join_Now/Become_a_Member.aspx?hkey=902c4b79-2640-4b86-a56b-609e20248ba6