



## Petrophysics Vol. 60, No. 3, June 2019

### TABLE OF CONTENTS PAGE

#### TUTORIALS

##### **Organic Mudstone Petrophysics, Part 3: Workflow to Estimate Storage Capacity**

Kent Newsham, Joe Comisky, and Roland Chemali

PETROPHYSICS, VOL. 60, NO. 3 (JUNE 2019); PAGES 351–371; 14 FIGURES; 2 TABLES. DOI: [10.30632/PJV60N3-2019T1](https://doi.org/10.30632/PJV60N3-2019T1)

#### ARTICLES – REGULAR SUBMISSIONS

##### **Composition of the Shales in Niutitang Formation at Huijunba Syncline and its Influence on Microscopic Pore Structure and Gas Adsorption**

Fu De-liang, Xu Guosheng, Tian Tao, Qin Jian-qiang, and Yang Fu

PETROPHYSICS, VOL. 60, NO. 3 (JUNE 2019); PAGES 373–383; 9 FIGURES; 4 TABLES. DOI: [10.30632/PJV60N3-2019a1](https://doi.org/10.30632/PJV60N3-2019a1)

##### **Accelerated Whole-Core Analysis Optimization With Wellsite Tomography Instrumentation and Bayesian Inversion**

Alberto Mendoza, Lassi Roininen, Mark Girolami, Jere Heikkinen, and Heikki Haario

PETROPHYSICS, VOL. 60, NO. 3 (JUNE 2019); PAGES 384–396; 9 FIGURES; 2 TABLES. DOI: [10.30632/PJV60N3-2019a2](https://doi.org/10.30632/PJV60N3-2019a2)

##### **Finite-Volume Computations of Shale Tortuosity and Permeability From 3D Pore Networks Extracted From Scanning Electron Tomographic Images**

Mouin Almasoodi and Zulfiquar Reza

PETROPHYSICS, VOL. 60, NO. 3 (JUNE 2019); PAGES 397–408; 9 FIGURES; 2 TABLES. DOI: [10.30632/PJV60N3-2019a3](https://doi.org/10.30632/PJV60N3-2019a3)

##### **Application of a Fast NMR $T_1$ Relaxation Time Measurement to Sedimentary Rock Cores**

Jonathan Mitchell and Andrea Valori

PETROPHYSICS, VOL. 60, NO. 3 (JUNE 2019); PAGES 409–420; 10 FIGURES; 1 TABLE. DOI: [10.30632/PJV60N3-2019a4](https://doi.org/10.30632/PJV60N3-2019a4)

##### **Reconsidering Klinkenberg's Permeability Data**

Douglas Ruth and Rasoul Arabjamaloei

PETROPHYSICS, VOL. 60, NO. 3 (JUNE 2019); PAGES 421–428; 5 FIGURES; 5 TABLES. DOI: [10.30632/PJV60N3-2019a5](https://doi.org/10.30632/PJV60N3-2019a5)

##### **Determination of the Appropriate Value of $m$ for Evaluation of Carbonate Reservoirs With Vugs and Fractures at the Well-Log Scale**

Dahai Wang and Jun Peng

PETROPHYSICS, VOL. 60, NO. 3 (JUNE 2019); PAGES 429–437; 9 FIGURES; 1 TABLE. DOI: [10.30632/PJV60N3-2019a6](https://doi.org/10.30632/PJV60N3-2019a6)

##### **Perched Water Contacts: Understanding Fundamental Controls**

Iulian N. Hulea

PETROPHYSICS, VOL. 60, NO. 3 (JUNE 2019); PAGES 438–449; 15 FIGURES; 1 TABLE. DOI: [10.30632/PJV60N3-2019a7](https://doi.org/10.30632/PJV60N3-2019a7)

##### **Wellbore Positioning While Drilling With LWD Measurements**

Benny Poedjono, Dozie Nwosu, and Albert Martin

PETROPHYSICS, VOL. 60, NO. 3 (JUNE 2019); PAGES 450–465; 17 FIGURES; 5 TABLES. DOI: [10.30632/PJV60N3-2019a8](https://doi.org/10.30632/PJV60N3-2019a8)

## **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/Contacts/Sign\\_In.aspx](https://www.spwla.org/SPWLA/Contacts/Sign_In.aspx) to make payment. Reset maybe delayed by until the next SPWLA business day.

**Become a member?** Join now [https://www.spwla.org/SPWLA/WEB/Membership/Join\\_Now/Create\\_Regular\\_Member.aspx](https://www.spwla.org/SPWLA/WEB/Membership/Join_Now/Create_Regular_Member.aspx)