



Petrophysics Vol. 62 No. 3, June 2021

TABLE OF CONTENTS PAGE

TUTORIAL

A CENTURY OF SIDEWALL CORING EVOLUTION AND CHALLENGES, FROM SHALLOW LAND TO DEEP WATER

Charlie Jackson

PETROPHYSICS, VOL. 62, NO. 3 (JUNE 2021); PAGES 230–243; 14 FIGURES.

REFERENCE: DOI: 10.30632/PJV62N3-2021t1

ARTICLES

PORE SIZE, TORTUOSITY, AND PERMEABILITY FROM NMR RESTRICTED DIFFUSION IN ORGANIC-RICH CHALKS

Xinglin Wang, Philip M. Singer, Yunke Liu, Zeliang Chen, George J. Hirasaki, and Harold J. Vinegar

PETROPHYSICS, VOL. 62, NO. 3 (JUNE 2021); PAGES 244–264; 10 FIGURES; 1 TABLE.

REFERENCE: DOI: 10.30632/PJV62N3-2021a1

REAL-TIME PREDICTION OF ACOUSTIC VELOCITIES WHILE DRILLING VERTICAL COMPLEX LITHOLOGY USING AI TECHNIQUE

Ahmed Alsaihati and Salaheldin Elkatatny

PETROPHYSICS, VOL. 62, NO. 3 (JUNE 2021); PAGES 265–281; 6 FIGURES; 9 TABLES.

REFERENCE: DOI: 10.30632/PJV62N3-2021a2

MACHINE-LEARNING-ENABLED AUTOMATIC SONIC SHEAR PROCESSING

Lin Liang and Ting Lei

PETROPHYSICS, VOL. 62, NO. 3 (JUNE 2021); PAGES 282–295; 17 FIGURES; 1 TABLE.

REFERENCE: DOI: 10.30632/PJV62N3-2021a3

FIRST LWD CO-LOCATED ANTENNA SENSORS FOR REAL-TIME ANISOTROPY AND DIP ANGLE DETERMINATION, YIELDING BETTER LOOK-AHEAD DETECTION

Michael Bittar, Hsu-Hsiang (Mark) Wu, Jin Ma, Li Pan, Yijing Fan, Matthew Griffing, and Clint Lozinsky

PETROPHYSICS, VOL. 62, NO. 3 (JUNE 2021); PAGES 296–310; 18 FIGURES.

REFERENCE: DOI: 10.30632/PJV62N3-2021a4

MAXIMIZING NET PAY IN PENTA-LATERAL WELL WITH ADVANCED PROACTIVE GEOSTEERING AND 2D STRUCTURAL ANALYSIS USING AZIMUTHAL RESISTIVITY MEASUREMENTS

Yuriy Antonov, Dmitry Kushnir, Sergey Martakov, Jhonatan Pazos, Austin Small, Nikita Tropin, Priya Maraj, David Itter, Jeff Nelson, and Michael Rabinovich

PETROPHYSICS, VOL. 62, NO. 3 (JUNE 2021); PAGES 311–330; 19 FIGURES; 1 TABLE.

REFERENCE: DOI: 10.30632/PJV62N3-2021a5

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