

| | |
|-------------------------|--|
| 1. Record Nr. | UNINA9910495232203321 |
| Autore | Lawton Timothy Frost |
| Titolo | La Popa Basin, Nuevo Leon and Coahuila, Mexico : halokinetic sequences and diapiric structural kinematics in the field // Timothy Lawton, Katherine Giles, Mark Rowan |
| Pubbl/distr/stampa | Cham, Switzerland : , : Springer, , [2021] ©2021 |
| ISBN | 3-030-79397-4 |
| Edizione | [1st ed. 2021.] |
| Descrizione fisica | 1 online resource (IX, 98 p. 59 illus., 51 illus. in color.) |
| Collana | Springer geology field guides |
| Disciplina | 551.44 |
| Soggetti | Basins (Geology) - Mexico |
| Lingua di pubblicazione | Spagnolo |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | Part 1: General Information -- Chapter 1 – Opening Statement -- Chapter 2 – General Access and Logistics -- Chapter 3 – Safety Instructions -- Chapter 4 – Emergency Contacts -- Part 2: Introduction -- Chapter 5 – Regional Tectonic Setting -- Chapter 6 – Tectonic Provinces -- Chapter 7 – Timing of Deformation in the Mexican Foreland -- Chapter 8 - La Popa Basin Stratigraphy -- Chapter 9 – Halokinetic Sequences and Composite -- Chapter 10- Halokinetic Sequences -- Chapter 11- Application to Deepwater Salt Provinces. |
| Sommario/riassunto | This book describes the two excursions accessed from the Monterrey International Airport on the north side of Monterrey, Nuevo León, Mexico. Excellent exposures of salt diapirs and flanking strata in La Popa basin, northeastern Mexico, contain world-class examples of salt–sediment interaction that provided the basis for the concept of halokinetic sequences. The basin also contains one of the first secondary salt welds described in outcrop. Two one-day excursions described here provide an easily accessible overview of salt–sediment relations within a short distance of Monterrey, Nuevo León, Mexico. Excursion 1 constitutes an introduction to basin stratigraphy, an introduction to halokinetic sequences at El Papalote diapir, and a visit to a salt-cored detachment fold near Hidalgo, Nuevo León. Excursion 2 is a visit to La Popa salt weld, where stops at several parts of the weld permit comparison of different structural styles developed along the |

weld. Each excursion begins and ends at the Marriott Courtyard
Aeropuerto Hotel, near the Monterrey airport.
