Miravete

ID #067

SUMARIZED INDEX CARD Downloaded from Iberian Evaporite Structure DataBase

GENERAL INFORMATION

Structure type	Evaporite-cored anticline
Deformed/Undeformed	Deformed
Geological Setting	Iberian Range, Maestrat Basin
Outcropping/buried	Partially Buried
Evaporite unit/s name	Keuper facies
Evaporite unit/s age	Carnian-Rhaetian (Upper Triassic)
Evaporite unit/s origin	Marine
Classif. (Hudec and Jackson, 2009)	Passive piercement
Classif. (Jackson and Talbot, 1986)	Salt anticline, Salt wall, Welded
Other comments	Welded near the surface (see cross-section). Halokinesis and growing stages reinterpreted by Vergés et al. (2020) and considered in this work.

STRATIGRAPHY AND STRUCTURE

Evaporite unit/s composition	Shale-Gypsum-Anhydrite
Syn-kinematic unit/s	Early Jurassic (Cortes de Tajuña and Cuevas Labradas Fm.); Late Jurassic (Loriguilla, Higueruelas and Arzobispo Fm.); Hauterivian (El Castellar Fm.); Barremian (Camarillas, Artoles, Morella and Xert Fms.); Early Aptian (Forcall and Villaroya de los Pinares Fms.); Late Aptian (Benassal Fm.); Albian (Escucha and Utrillas Fms.); Paleogene-Miocene (conglomerates and sandstones)
Post-evaporite and pre-kinematic unit/s	Late Cretaceous (Mosqueruela, Barranco de los Degollados, La Cañadilla and Fortanete Fms., limestones, dolostones and marlstones)
Post-kinematic unit/s (or post-evaporite desposition when undeformed)	Quaternary (alluvial and colluvial detrital deposits)
Age of evaporite flow or deformation (when deformed)	Lower Cretaceous, Miocene, Upper Cretaceous to Oligocene, Upper Jurassic
Flow or deforming triggering mechanisms	Late Jurassic-Early Cretaceous rift and Alpine inversion of listric normal faults
Halokinetic structures	Thickness variations / progressive unconformities

SUB-SURFACE DATA AVAILABILITY

Available borehole data	Yes
Available seismic data	No

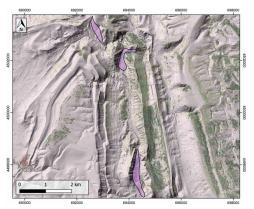
MAIN REFERENCES

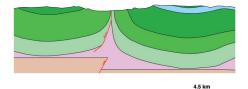
Stratigraphy	Embry et al. (2010)
Regional Stratigraphy	Vergés et al. (2020)
Structure	Vergés et al. (2020)
Regional Structure	Liesa et al. (2018)
Gravimetry	Ayala et al. (2016)
Petrophysics/Paleomagnetics	-

IBERIAN EVAPORITE STRUCTURE DATABASE LOCATION



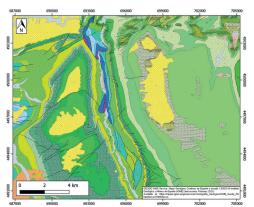
SHAPE AND SUB-SURFACE STRUCTURE







GEOLOGY (GEODE IGME)



More information about this and other structures is available in https://iesdb.eu Full dataset is available in https://doi.org/10.20350/digitalCSIC/14586