Lishui rock drill effect

Do we know the source rocks in the Lishui SAG?

However,the knowledge of source rocks is limited to a few locations of previous drillings. Therefore,we proposed integrating borehole (sedimentary facies) and seismic data to determine the location and thickness of the source rocks in the Lishui Sag,China.

Does Lishui SAG have high oil potential?

Lishui Sag is currently in the early stages of exploration and research,so the history of drilling production is short. Compared with the other sags on the East China Sea shelf basin,the Lishui Sag has been theorized to have high oil potential. However,the current exploration and development status is not optimistic.

Did a large rockslide occur in Lishui?

This paper describes a recent large rockslide,which occurred at Su village in Lishui,Zhejiang Province,China,on September 28,2016. In the past decade,a vegetation-free deformed surface was clearly visible and frequent rockfalls were noticed.

How did the rifted Lishui SAG influence the source-to-sink system?

The differential activity of the fault formed the basin fault structureand controlled the source-to-sink systems in the rifted Lishui Sag. The petrographic analysis revealed that the Lishui Sag exhibited inheritance in the tectonic setting of the source provenance during the syn-rift stage,but this differed in various regions of the basin.

How did the Lingfeng fault affect Lishui SAG?

The Lingfeng fault controlled the source-to-sink systemsin the Palaeocene rifted Lishui Sag. Fault activity led to tilting the hanging wall dip-slope in the syn-rift basin,which controlled the transport pathway and sediment supply.

Is Lishui sag a Palaeocene rifted basin?

The Lishui Sag is a Palaeocene rifted basininfluenced by the convergence of the Eurasian,Pacific,and Philippine Sea Plates (Li and Zhu,1992; Zhou and Sun,2017; Li et al.,2019; Liu et al.,2021).

Therefore, we proposed integrating borehole (sedimentary facies) and seismic data to determine the location and thickness of the source rocks in the Lishui Sag, China. The ...

To a certain extent, the development of sand body in lishui depression determines the success of oil and gas exploration, so the development models of sand body become the focus of current ...

Publications (8) Integrated method for calculating source rock thickness using drilling and seismic reflection: A case study of the Lishui Sag, China Article ...

Lishui rock drill effect

A down-the-hole drill - as opposed to a fixed core rock-boring drill - consists of a mobile jackhammer screwed on the bottom of a drill string. The fast hammer action breaks the hard ...

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Based on seismic data, well logging, cores, thin sections, and heavy mineral data, the growth and linkage of the Lingfeng fault were reconstructed and its influence on the ...

The Lishui Sag, located in the East China Sea shelf basin, is one of the most promising offshore oil and gas exploration areas in China. Drillings in recent years have yielded unsatisfactory ...

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The capacity to predict the occurrence and quality of source rocks in a sedimentary basin is of great economic importance in the evaluation of ...

Rock drilling tools in quarrying are primarily used for extracting stone and creating precise cuts or holes in rock formations. Tools like DTH hammers and top hammer drills are used to drill blast ...

Abstract The Lishui Sag, in the East China Sea Shelf Basin, is rich in hydrocarbons, with the major hydrocarbon-bearing layers being the Paleocene Mingyuefeng ...

Explore essential techniques and considerations for effective rock drilling! ? Learn about tools, methods, safety tips, and various applications. ?

We describe an integrated method involving non-standard processing of seismic reflection data with sedimentary facies analyses to control the prediction accuracy of source ...

The research results can provide a theoretical basis for exploring deep-formation rock-breaking mechanisms and optimizing the engineering ...

We have investigated the effects of organic content and maturation on the elastic properties of source rock

shales, mainly through integration of a well-log database from the Central North ...

?First-Time Visitor"s Guide to Lishui: An Enchanting Itinerary? Hey travel lovers! ? If you"re planning your first trip to Lishui and want to make it memorable, you"ve come to the right place! ? I"ve got ...

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Rockslides impose a stronger impact and traction force on the ground relative to soil landslides. In rockslides, the basal entrainment effect and volume enlargement are more pro-nounced and...

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On 13 November 2015, a disastrous rockslide-debris avalanche occurred in the Lidong village of Liandou District, Lishui City (south-western ...

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??,Acta Geophysica?????????"Integrated method for calculating source rock thickness using drilling and seismic reflection: A case study of the Lishui Sag, ...

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The combination of source rock, reservoir rock, seal rock and boundary conditions form the model. After the model simulation, we can get abundant results including the overall ...

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The thickness of source rocks in the Lishui Sag near well W2 is the thickest, reaching 500 m. By comparing the other studies, we believe that the combination of geophysics with sedimentary ...

Thirteen drill holes after the slide were dug by the third geological group of Zhejiang province. The location of the drilling holes is shown in Fig. 3d.

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