

# Xiong an New Area Oilfield User Outdoor Communication Cabinet 1000mm Deep

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Does Xiong'an New area have a deep burial depth?

Based on the integrated geophysical results along the north-south direction (Fig. 12), it is inferred that the burial depth of the Wumishan Formation's top interface in Xiong'an New Area and its surrounding regions exhibits a clear trend, with a shallow depth in the north and a deeper burial in the south.

Does Xiong'an New area have a geothermal Genesis model?

We revealed the 3D spatial distribution of deep geothermal reservoirs, cap rocks, heat-controlling and water-conducting faults in Xiong'an New Area. We established a geothermal genesis model and evaluated the geothermal potential of different geothermal fields.

What is Xiong'an New Area?

The transparent reflection with low-resistivity is interpreted as intrusive bodies and act as heating sources for geothermal field. The region known as the Xiong'an New Area serves as a testing and validation research laboratory for the development and utilization of geothermal energy in China.

Is the Xiong'an New Area a geological laboratory?

Similar flow trajectories considering the surface topography have been proposed in other sites ( Frey et al., 2022 ). 6. Conclusions The Xiong'an New Area has been identified as rich in geothermal resources and is considered as a test and validation geologic laboratory for the development of geothermal energy generation technologies in China.

Aiming at the exploration target of deep carbonate geothermal reservoirs, this study put forward a surface-line-point hierarchical and progressive geophysical exploration ...

To better understand the lithospheric structure and associated geothermal features in the region, a comprehensive approach was employed, combining deep seismic reflection ...

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To reveal the deep structure and the origin of the geothermal field, an E-W deep reflection seismic profile which is 40 km long and 250 times folded was acquired by the Chinese ...

There are two high-temperature and high-yield geothermal wells, located in the deep ancient buried hill northeast of the Gaoyang geothermal field at the Xiong'an New Area, ...

This contribution aims to establish constraints on the deep origin of the heat sources and unravel the deep internal structure of the Xiong'an New Area through an ...

We utilized magnetotelluric and gravity data in Xiong'an New Area and its surrounding regions to conduct 3D joint inversion. The geophysical model reveals the structure ...

Research on Key Technologies for Deep Geothermal Drilling Construction in Xiong'an New Area Item #: 073371-0091

The future urban construction of Xiong'an New Area will necessitate the theoretical and technical support of earth system science (ESS) from various aspects, and the purpose is ...

An aerial drone photo taken on March 12, 2025 shows a view of Rongdong area of Xiong'an New Area, north China's Hebei Province. Since China announced plans to establish ...

The primary causes of the geothermal anomaly in Xiong'an New Area are the heat flow of crust-mantle and the heat conduction along deep faults. (Cui et al., 2022).

The region known as the Xiong'an New Area serves as a testing and validation research laboratory for the development and utilization of geothermal energy in China.

"The Xiong'an New Area serves as a testing ground, where we pioneer initiatives and gradually inspire ...

We used spectral analysis on aeromagnetic data to determine the Curie point depth, geothermal gradient, heat flow, and radiogenic heat production. The results outlined the ...

Chen Hongsheng, a 42-year-old researcher, has spent the past year building a new life in Xiong'an New Area -- a rising innovation hub in ...

The Xiong'an New Area is abundant in geothermal resources due to its unique geological structure. To address whether large-scale deep geothermal exploitation will induce ...

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Across Xiong'an New Area in north China's Hebei Province, another new area of "national significance" following the Shenzhen ...

Combined with regional geothermal data, a deep geothermal geological model of the study area was constructed, and the deep geothermal mechanism in the new area was ...

The region known as the Xiong'an New Area serves as a testing and validation research laboratory for the development and utilization of geothermal energy in China. To ...

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