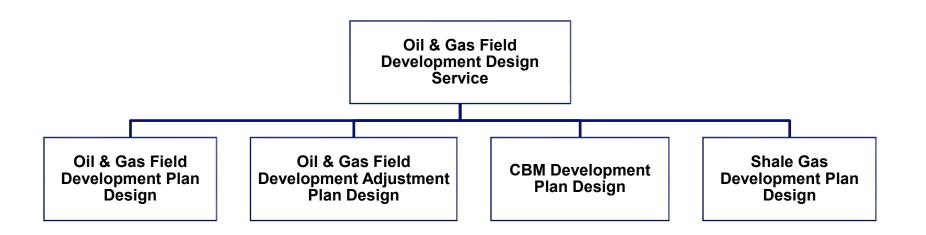
## **ANTON** 安東

### Oil & Gas Field Development Design Service



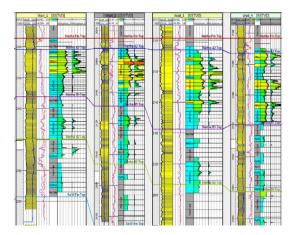
Anton can provide all kinds of verifications including oil & gas reservoir engineering, drilling engineering, oil & gas production engineering, oil & gas field surface engineering and economic evaluation. Anton helps customers with fit for purpose development design, to achieve oil and gas field development efficiency, and maximize asset value.

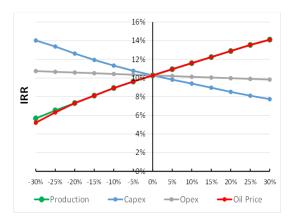




#### 1. Oil & Gas Field Development Plan Design

Demonstration and design for oil & gas field to be developed in terms reservoir engineering, drilling engineering, production engineering, surface engineering, economics, etc. General plan and design of development and production for oil & gas field. Proposal optimal case to ensure efficient development of oil & gas field.

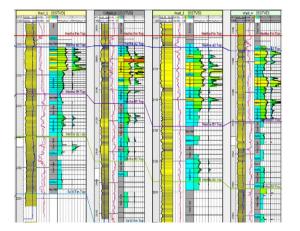


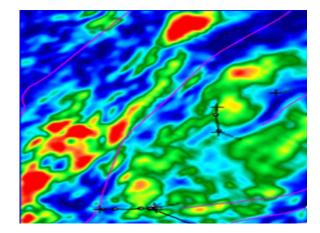




#### 2. Oil & Gas Field Development Adjustment Plan Design

Aiming at middle and later periods of field development, Re-recognition geology and reserve, evaluate development effect, study remaining oil distribution. Proposal development adjusted plan to improve development effect.





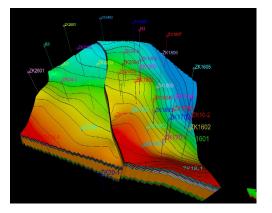


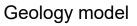
#### 3. CBM Development Plan Design

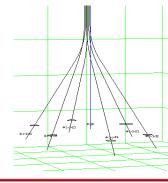
Development plan design for coalbed methane gas development.

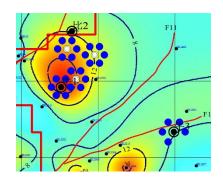
Coalbed Methane Development Plan for X block in China(2016)

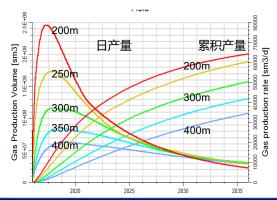
- Layer series of development: development of a set of layer
- Development mode: pump water to extract gas
- Well type: cluster well + vertical well drilling platform
- Well pattern:
- Plum-type, well pattern arrangement in 1+X mode ,
- ✓ well spacing 250m, new wells 30;
- ✓ appraisal wells 4, development wells 26
- Development index:
- ✓ individual oil rate1000m<sup>3</sup>/d, new wells 30,
- ✓ new capacity1000×10<sup>4</sup>m<sup>3</sup>。













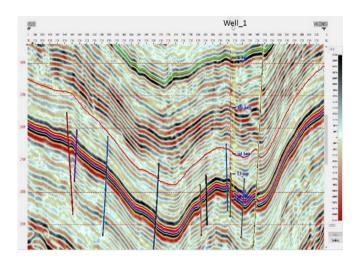
Well pattern arrangement

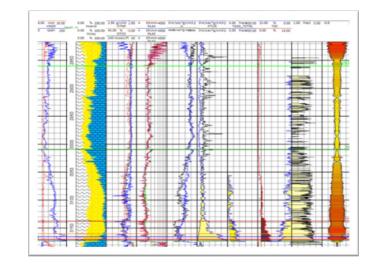
Well space verification

#### 4. Shale Gas Development Plan Design

Development plan design for shale gas development.

Technical proposal of geology and engineering integration for Shale Gas in Southeastern China.









# THANKS!

Helping others succeed...

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