

Annal Report of oil&gas activities of China 2008

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Catalog

- General situation of oil&gas activities in China
- Data center construction in SINOPEC
- Research work about oil&gas data model
- Works on metadata database construction

General situation of oil&gas activities in china

- There are about 30 oilfields in China, which belong to the three biggest oil&gas companies.

SINOPEC

CNPC

COOPC

- Distributed throughout the country Southwest Northwest Northeast and so on..

We found big Gas reserves in southeast and northwest in last several years.

- Bought some oilfields abroad.

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Data center construction in SINOPEC

- Data center of oilfield

- (1) History database

- Exploration databases

- Production databases

- partly according to old E&P data standard.

- all are playing very important role in the daily work of every oilfield.

Data center construction in SINOPEC

- Data center of oilfield

- (2) Data Center

- Single database can't support the decision-making very well. So datacenter construction work started.

- Aim to integrate the old data resource of oilfield, and try to give the best help for the development of E&P work.

Data center construction in SINOPEC

- Data center of SINOPEC

Aim to integrate the data resource of every oilfield, and try to give the best help for the development of SINOPEC.



Try our best to follow and support the CCOP project

- It's our big pleasure to share the information about E&P business in China within CCOP member country.
- China is so big, SINOPEC is big.
- There are lots of work to do. To unified the data standard, to integrate data in multi-layers..... data should show up as whole situation of SINOPEC.
- Need 3-5 years.

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Research work about oil&gas data model

- Oil E&P headstream data model

(1)classified by well drilling, well logging, well testing, oil production and so on.

(2) The work processes were analyzed

(3) The data standstard was published in SINOPEC.

(4)Software to manage the headstream data was developed and tested, and now is running in two oilfields.

Research work about oil&gas data model

- Unified Data model Research work

(1) operation model: according to the analyzing result of work process.

(2) logical model: according to old standard,POSC and other famous international data model.

(3) the script to construct new database was developed

(4) operation model and logical model are installed in IT department of E&P research institute ,SINOPEC.

(5) To upgrade the old database , and moving to the unified datacenter.

Research work about oil&gas data model

- **GAS** E&P headstream data model

(1) Gas institute of SINOPEC takes charge to analyze the work process of Gas field.

on working.....

(2) after that ,the unified datamodel will expand to cover the gas exploration,production,and transportation.

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Works on metadata database construction

- GIS metadata standard of SINOPEC has been constructed after a long term of researching.
- Graphics interchange standard also constructed.

To publish and apply these research result, workshops and educations will be built.

amount of old data need to be processed and loaded.

Works on metadata database construction

- Solution to manage the Gas metadata came into being.
- The CCOP Geo-information metadata standard will be expanded, to fit for the real situation of SINOPEC.

Thank you !

Let's work hard

to meet the aim of CCOP project !