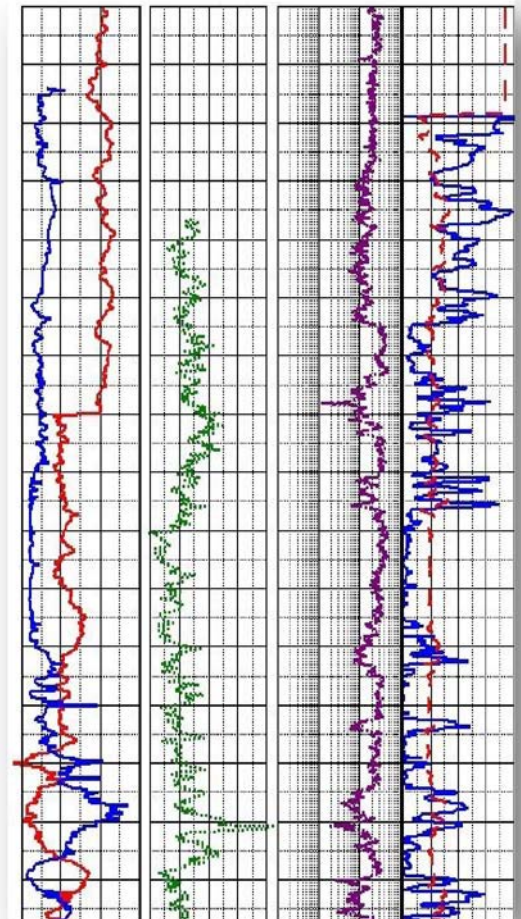


ایتوک ایران
IRAN ITOK
Upstream Affairs

- ◆ *Petroleum Engineering*
- ◆ *Reservoir Engineering*
- ◆ *Project Management Consultancy*





Introduction

IRAN ITOK Engineering and General Contracting Company was established on 1988 in Tehran. This company is central core of ITOK GROUP Engineering, Procurement Construction (EPC) Company.

IRAN ITOK with more than 20 years brilliant experience, provides wide range of services in upstream, midstream and downstream projects.

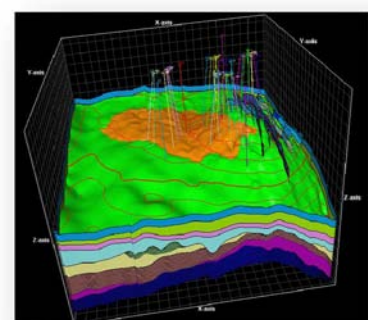
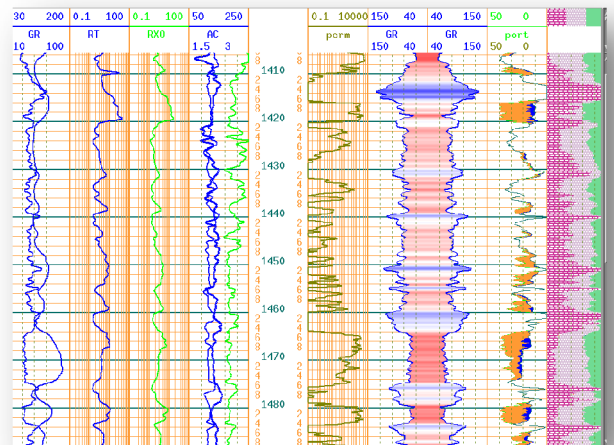
- *Petroleum Engineering –Exploration&Production*
- *Reservoir Engineering –EOR/IR*
- *Project Management Consultancy*



Fields of Activities in Upstream

Oil & Gas Upstream Affairs of IRAN ITOK with their highly qualified and experienced personnel is equipped with the most advanced technology and know-how, enabling it to undertake and perform the following activities successfully:

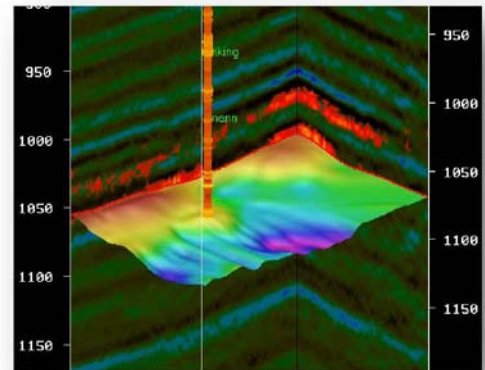
- *Geology, Geophysical & Petrophysical Studies*
- *Reservoir Modeling & Characterization*
- *Fracture Studies & Modeling*
- *Geotechnical & Rockmechanical Studies*
- *Conventional & Special Core Analysis*
- *PVT Analysis*
- *Static & Dynamic Reservoir Simulation*
- *Full Field Study (FFS) and prepare Master Development Plan (MDP)*
- *Drilling and Well Completion*





Accomplished projects

- *Implementation of Surface Geology and Geotechnical studies for POGC*
- *Management Consulting of Aghajari Gas Injection Project (PEDEC)*
- *Master Development Plan of Azadegan Oil Field (PEDEC)*
- *South Pars Gas field Development Phases 6,7 & 8 Gas Sweetening (POGC)*
- *CCAL, SCAL, PVT analysis and Geology & Geochemical studies (Golshan-4) for POGC*



Technical Softwares

Petrel

- ◆ *Aggregating oil reservoir data from multiple sources*
- ◆ *Interpreting seismic data, performing well correlation*
- ◆ *Building reservoir models suitable for simulation,*
- ◆ *Visualizing simulation results*
- ◆ *Designing development strategies to maximize reservoir exploitation*

Geolog

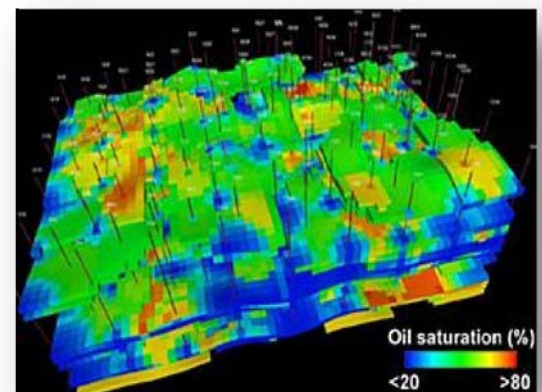
- ◆ *Well data management and geological interpretation*
- ◆ *Well correlation*
- ◆ *Enhanced automation efficiency and interactivity for petrophysical analysis*

Hampson russell

- ◆ *Seismic amplitude variation with offset analysis*
- ◆ *Multi-attribute reservoir characterization*
- ◆ *Seismic inversion methods and application*
- ◆ *Time-lapse (4D) seismic monitoring*
- ◆ *Multi-component (3C) seismic analysis*
- ◆ *AVO & seismic lithology*
- ◆ *AVO inversion & seismic attributes*

Eclipse

- ◆ *PVT Modeling*
- ◆ *Reservoir simulation, block oil & compositional mud*
- ◆ *Core analysis*
- ◆ *Well test data analysis*





Oil and Gas Upstream Affairs of IRAN ITOK undertakes projects in Iran or any other country throughout the world independently or with cooperation of its affiliated and sister companies or in joint ventures with international companies. (PANterra & ResLab in Upstream)

Affiliated Companies

- *Core and fluid laboratory studies, seismic interpretation with agreement Reslab Kish*
- *Joint venture with PANterra Company for reservoir engineering, static and dynamic reservoir simulation studies*
- *MOU with Research Institute of Petroleum Industry (RIPI)*

Associations

IRAN ITOK is member of the following organizations:

- *European Association of Geoscientists & Engineers (EAGE)*
- *American Association of Petroleum Geologists (AAPG)*
- *Iranian Society of Petroleum Geology (ISPG)*
- *Islamic Development Bank (IDB)*
- *Federation of Consultants from Islamic Countries (FCIC)*
- *Project Management Institute (PMI)*
- *International Federation of Consultants Engineers (FIDIC)*
- *United Nations Industrial Development Organization (UNIDO)*
- *The Middle East Association*



Organization & Personal

More than 500 full-time experts are currently employed by ITOK, ITOK GROUP, Reslab Kish and its subsidiary companies also enjoy the cooperation of about 1000 experts, using qualified partners & sub-contractors to perform mega projects internationally.

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