

# Beke, Oil Sand Field, Mangystau Region, Republic of Kazakhstan

Client name: FIDE Ltd.

Service area	Contract value	Project duration
Deposit Evaluation	confidential	2007 - 2011



## Project description:

The oil sand field was known since the ninetieth century and detailed explored in the 1970ies. From this time on oil sand was mined in small scale close to the surface in a small open pit. Until 1991 further exploration was done. The client wants to exploit the oil sand for commercial use. HPC was contracted with several consulting and engineering tasks like mine plan, a Feasibility Study for the oil sand treatment as part of a Bankable Feasibility.

## Further project data:

- about 10 million t of bitumen
- Licence area 10 km<sup>2</sup>
- about 300 million m<sup>3</sup> excavated material
- 500.000 tons of bitumen p. a.

## Purpose:

- development project, mine plan
- Bankable Feasibility Study

## Our services:

- Project Management of several international companies during exploration
- Feasibility Study for mining
- developing of a 3D-deposit model
- calculation of resources based on JORC code
- calculation of use- and mineable reserves
- mine plan including recommendations regarding equipment and technology
- Feasibility Study for oil sand treatment with the target to get qualified products for road construction
- Environmental Impact Assessment
- Due Diligence, financial and economical assessment
- preliminary planning regarding national and international laws
- Bankable Feasibility Study

## Client benefits:

- comprehensive planning services considering all relevant national and international (World Bank) standards from one consulter

