

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

Client name: FIDE Ltd.

Service area	Contract value	Project duration
Natural resources – Bankable Feasibility Study	confidential	2007 - 2011



Project description:

The oil sand field Beke 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 for a Bankable Feasibility Study, including several consulting and engineering tasks like mine plan, a conceptual design for the oil sand treatment and the Environmental Impact Assessment.

Further project data:

- about 10 million t of bitumen
- licence area 10 km²
- about 300 million m³ excavated material
- 500.000 tons of bitumen p. a.

Purpose:

- development project, mine plan
- oil sand refinery
- Bankable Feasibility Study

Our services:

- Project Management of several international companies during exploration
- developing of a 3D-deposit model
- calculation of resources based on JORC code
- calculation of use- and mineable reserves
- mine plan including basic design and recommendations regarding equipment and technology
- Feasibility Study for oil sand treatment with the target to get qualified products for road construction
- Environmental Impact Assessment
- 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

