

Oil Shale

Oil Shale is an organic rich, fine grained, sedimentary rock containing kerogen from which liquid hydrocarbons (shale oil) can be extracted. Oil shale deposits vary considerably in their mineral content, chemical composition, age, type of kerogen and depositional history and are not always confined to discrete seams.

Oil shale is a growing commodity for the mining industry due to global demand for oil. Although the mining and processing of oil shale raises a number of environmental concerns, such as land and water use, waste disposal, greenhouse gas emissions and air pollution, careful management can considerably reduce the risks associated with these deposits.



SRK ES offers:

Experience in designing and directing oil shale exploration programmes in Jordan and the USA. This includes independent project reviews, fatal-flaw analyses, geological interpretation and structural analysis, drill supervision, as well as QAQC of sampling programmes and analytical techniques.

Knowledge that the proper evaluation of oil shale requires careful consideration of unique factors such as stratigraphy, energy potential, degree of weathering, inorganic chemistry, oil yield and ash content. SRK ES is able to draw on the experience of the wider SRK Group and therefore take projects beyond the exploration phase, through to resource modelling and ultimately towards feasibility and production studies.

Expertise in dealing with the unique position of oil shale being both a mining target and a petroleum source commodity. SRK ES considers that the exploration, resource delineation and mining of these deposits can be best assessed using exploration practices for bulk commodities and Mineral Resource definitions as outlined by internationally recognised reporting codes.

Innovation by combining traditional mineral exploration techniques with technology developed by the petroleum industry. This includes the use of seismic and downhole geophysical surveys, optical and acoustic televiwers and handheld x-ray fluorescence (XRF) analysers for the identification of micro-stratigraphic marker horizons.

SRK ES' involvement in the niche market of developing oil shale projects from a petroleum industry commodity into a mining target, in line with the appropriate international reporting codes, is increasing with the growth in the demand for oil and the desire of governments to have future sovereign energy security.

To find out more about our technical services or discuss your project specific needs, please contact us;



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