

*Community Development & Humanitarian Assistance Program (CDHAP)  
Block 5A, Unity State, Sudan*



*Activities Review  
2001-2002  
Lundin Petroleum AB*

- Consortium Activities in Sudan
- Community Development & Humanitarian Assistance Program (CDHAP)
- Project Overview
- Projects Accomplished in 2001-2002
- Future Plans

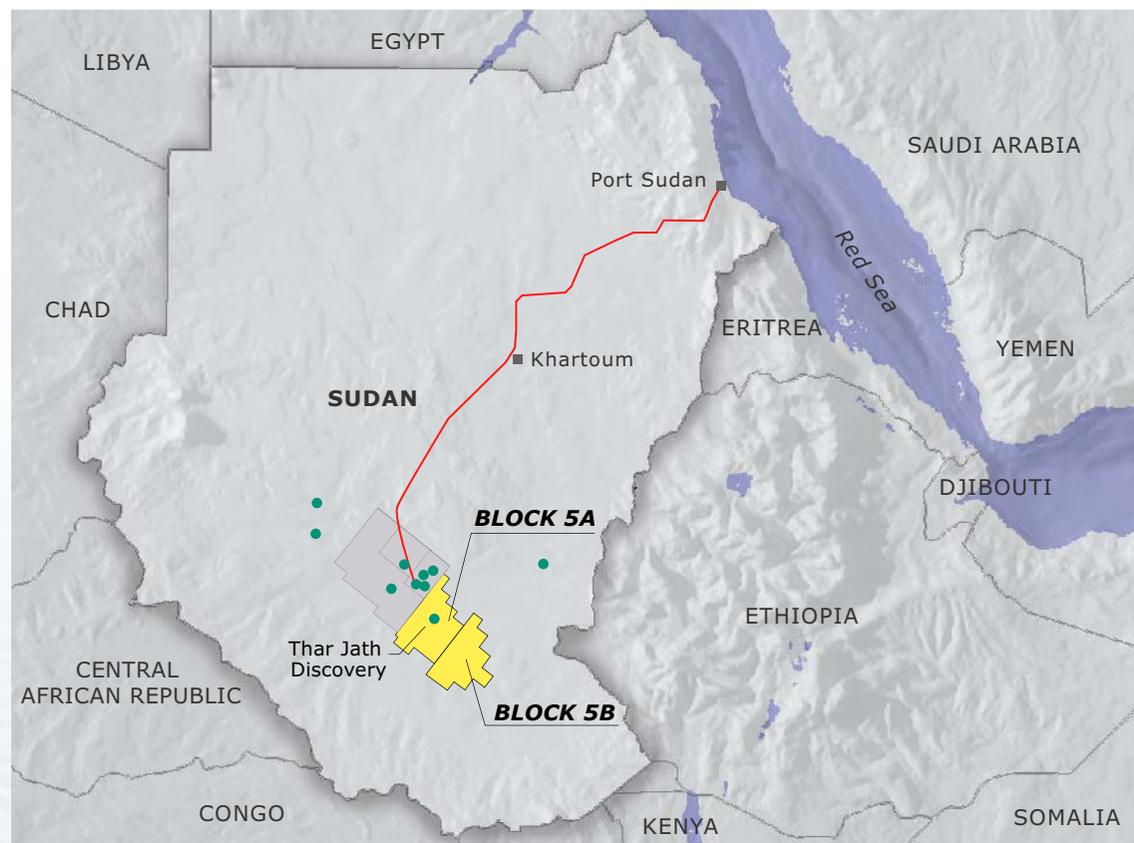
## Introduction

Lundin Petroleum AB (Sweden) through its subsidiary Lundin Sudan Limited (LSL) acts as operator for an oil & gas exploration and production in a Consortium constituted by OMV (Sudan) Exploration GmbH (Austria), Petronas Carigali SDN BHD (Malaysia) and Sudapet (Sudan). Its concession area lies in Block 5A in Unity State.

The Consortium began its exploratory activities on the Block in 1997 and drilled its first well in 1999. In March 2001, it made a significant oil discovery at Thar Jath.

In January 2002, in view of increasing instability in the area, to ensure maximum security for its personnel and operations, the Consortium decided to suspend seismic and drilling activities on Block 5A as a precautionary measure.

The Consortium remains committed to its long-term plans to develop the Thar Jath Field and further explore the southern Muglad Basin. It is also committed to enhance the welfare of the people of the land, which is why, despite its suspension, it has continued to implement its community development and humanitarian assistance program (CDHAP).



- Lundin Petroleum and Partners Concession
- GNPOC Concession
- Existing Pipeline
- Existing Oil Fields

Our main objective in Sudan is to explore for and produce oil & gas. However, we also seek, through our activities, to contribute to the welfare of the people of Sudan, particularly those situated in our concession area.

In the long-term, we can help the country achieve economic development by bringing its resources into commercial production. In the short-term, we can help the population cope with some pressing needs through our Community Development and Humanitarian Assistance Program (CDHAP).

In order to meet these objectives, we consulted with tribal leaders, representatives of the local population, of the state and the government of Sudan, and other relevant stakeholder groups to determine key needs and how to address them. Initially projects were carried out on a time/needs basis, but with the experience gained, we are now able to make more long-lasting contributions.

## CDHAP Objectives

CDHAP has three main objectives:

- 1. To promote better health, hygiene, education and quality of life for the current and future inhabitants of the concession area of Block 5A, Unity State.**
- 2. To contribute to the economic and social development of the area.**
- 3. To promote friendly relations between the consortium and the people in the area**



### Projects Overview

The main areas we identified as requiring immediate attention and where we can make a difference are:

- **Supply of Freshwater**
- **Health**
- **Education**
- **Capacity Building**

Our aim is to have an integrated approach whereby the linkages between the lack of freshwater supply and the spread of diseases, for instance, or the lack of education and the resulting lack of employment opportunities are addressed.

In 2001 projects were conducted throughout the concession area. Since the suspension of operation in early 2002 we have carried out projects out in and around the Rubkona/Bentiu area.

The following pages describe our projects from the fall of 2001 up to the summer of 2002.

### Photographs

top: infant receives vaccination from CDHAP paramedic  
bottom: literacy classes for women



## Projects Accomplished in 2001-2002



### Freshwater Supply

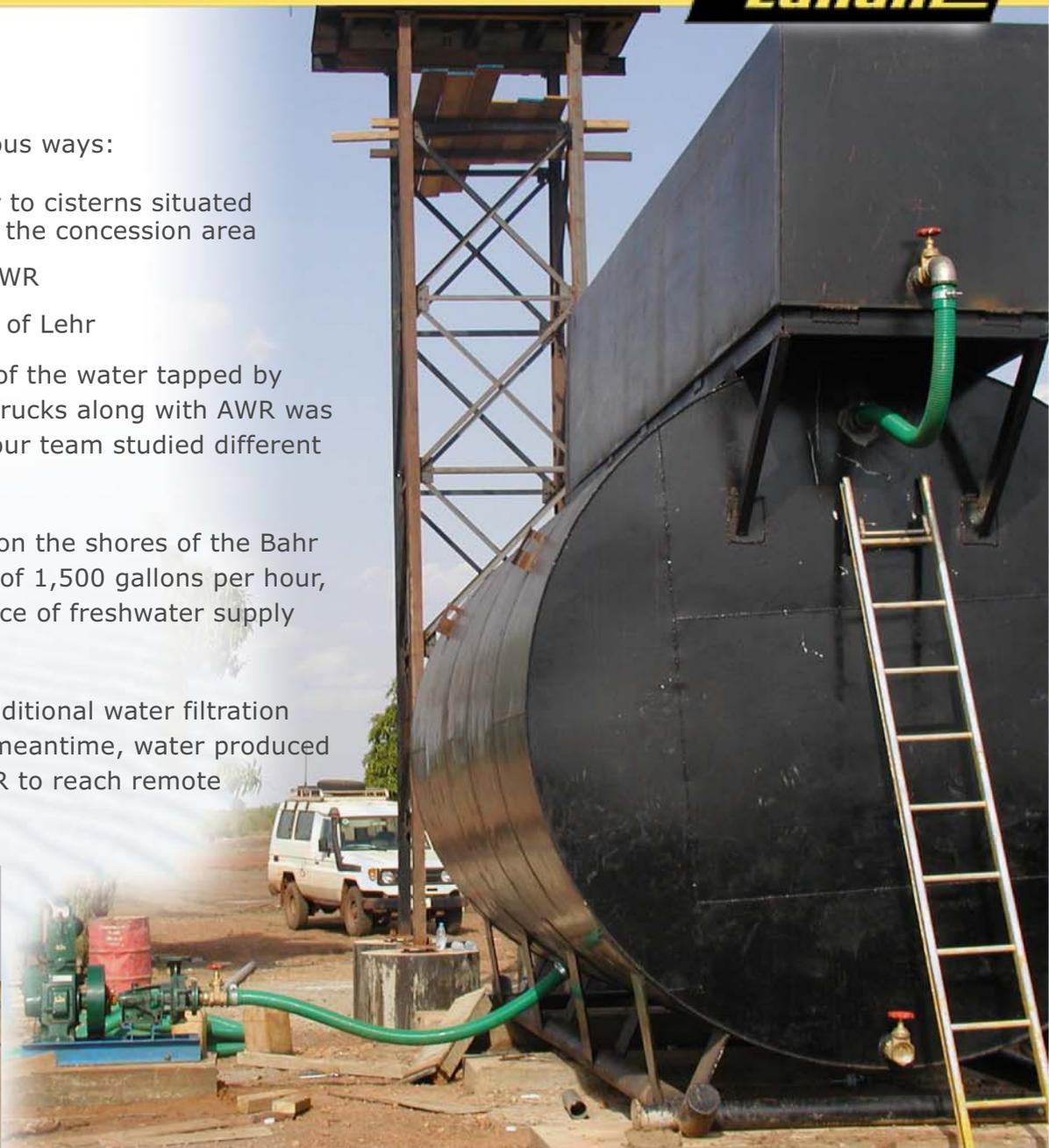
In early 2001, freshwater was supplied in various ways:

- Daily delivery of 10,000 gallons of freshwater to cisterns situated along the all weather road ("AWR") that links the concession area
- Drilling of six shallow water wells along the AWR
- Repair of ten existing water wells in the town of Lehr

In the fall of 2001, in view of the poor quality of the water tapped by the wells, the delivery of freshwater by water trucks along with AWR was resumed (see photo below). Simultaneously, our team studied different alternatives for the supply of freshwater.

In 2002, we built a water filtration unit (WFU) on the shores of the Bahr el Ghazal near the town of Bentiu. With a flow of 1,500 gallons per hour, the WFU (see photo right) is a permanent source of freshwater supply for the surrounding towns and villages.

In the remainder of 2002, we plan to set up additional water filtration units in other parts of the concession. In the meantime, water produced by the WFU is being transported along the AWR to reach remote villagers.



## Projects Accomplished in 2001 - 2002



### Health

In 2001, CDHAP's five Sudanese doctors:

- Provided medical services to approximately 6,000 patients in tent clinics that moved to different parts of the concession area (Thoan, Kwergan, Thar Jath, and Lehr)
- Tended and staffed the hospital in Lehr
- Prescribed treatments and provided drugs free of charge
- Supplied blankets, mosquito nets, soap, etc. to prevent the spread of diseases

In these tasks, the doctors were assisted by locally hired nurses and paramedics.

Since the beginning of 2002:

- A clinic was built out of local materials in the village of Thoan
- Two doctors, assisted by 10 paramedics, are providing medical services in this clinic to an average of 80 to 90 patients daily
- A permanent clinic is in the process of being built in Thoan



### Photographs

top right: CDHAP doctors with medical staff in IDP clinic

bottom right: doctor treats an infant in Lehr

bottom left: patients wait to be seen at the Thoan tent clinic



## Projects Accomplished in 2001 - 2002



### Education

Throughout the fall of 2001, we provided a meal a day, stationary and outfits to:

- 886 pupils attending locally built schools in Thoon, Kwergan, Kwosh, Thar Jath, Mirmir, Lehr and Adok.

Since the beginning of 2002, we have:

- Provided stationary for the 757 pupils attending two schools in the Rubkona area and one in Thoon.
- Built four temporary classrooms out of local materials
- Provided a daily meal to the 422 full-time pupils (in 1<sup>st</sup> and 2<sup>nd</sup> grade) attending the newly built school
- Set up after-hours literacy classes for 35 women.

A permanent schooling facility is currently under construction.



### Photographs

left: a woman attends a literacy class

top right: temporary classroom in Thoon

bottom right: construction of Thoon school



### Capacity Building

The aim of our program is to help people help themselves; it is meant to act as a catalyst for future self-sufficiency. We have therefore sought the participation of the local population in the implementation of our projects by hiring locally, sponsoring training and by setting up capacity building projects.

Since the fall of 2001, we have:

- employed local support staff (nurses, paramedics, etc.) for our clinics and veterinarian center
- sponsored the training of 10 local nurses to become midwives
- hired locals to clean up the Rubkona and Bentiu market areas
- employed and trained local laborers to conduct spraying campaigns against insects and dig pit latrines
- dug trenches for the irrigation of farms

### Photograph

CDHAP coordinator and doctor with midwife trainees



## Projects Accomplished in 2001 - 2002



### Thoan Village Concept

This village, situated just south of Bentiu, remained accessible to us throughout 2001-2002. We were therefore able to implement an integrated approach by offering a full range of services that mutually reinforced each other's positive impact. Projects included the traditional activities of freshwater supply, health and education. In addition we launched the following capacity building activities:



### Photographs

- bottom left: handicraft skill classes
- top left: seedling development in the nursery
- top right: bricks from the brick factory are used in CDHAP building projects



- A temporary brick factory employing 48 local laborers that produced over 100,000 bricks in a period of one month.
- A women's development center that offers literacy classes and handicraft skills development classes
- A temporary yoghurt production facility
- A veterinarian clinic that treats sick animals and conducts an insemination program to increase the animal yield
- The digging of twenty-one pit latrines
- An insect eradication program employing ten local laborers to spray against insects and houseflies.
- A nursery where 152 seedlings from mango, acacia and guava trees are being developed to replenish the stock of felled trees.

## Projects Accomplished in 2001 - 2002



### The IDP Crisis

In February 2002, there was an influx of internally displaced people (IDP) into the city of Rubkona.

We responded immediately to this humanitarian crisis by:

- Treating 8,822 women and children in a temporary medical facility we set up with a maternal and child clinic, a pharmacy, a therapeutic nutritional and rehydration room
- Supplying 10,000 gallons of freshwater twice a day to a water skid situated near the IPD camp.
- Digging seventeen pit latrines
- Hiring and training a team of local laborers to conduct spraying campaign to control flies and mosquitoes.
- Distributing non-food items such as soap, plastic sheets and water jugs through a humanitarian coordinating committee.

### Photographs

bottom left: clinic pharmacy

bottom right: displaced people gather outside the clinic

top: rehydration treatment at the child clinic



## Projects Accomplished in 2001 - 2002



### Other Activities

During this period, we continued to contribute financially to worthy activities initiated by others, such as:

#### **The Limbless Clinic**

This clinic was set up as a joint venture between Talisman Energy and the Rotary Club to produce and fit limbless patients with prostheses.

#### **Sudan International Mission**

This is a facility set up and run by a woman from New Zealand, assisted by Sudanese staff, where street children are housed and schooled. In addition to a monthly financial contribution, we help the center in an ad hoc fashion with maintenance work on its water system and vehicle.

#### **Rubkona Orphanage Center**

This is a facility set up privately in Rubkona to accommodate and school 268 orphaned children. We supply the orphanage with stationery and meals.

### Photographs

top: work at the Limbless Clinic in Khartoum

bottom: children from the Sudan International Mission



Since CDHAP was initiated in 2000, we have tried to identify areas of greatest needs and respond to them in an effective way. We have worked towards alleviating current problems and set up activities to reduce future ones. In the process, we have built our capacity, and that of the local population, to meet their needs.

We have also learned that in such a changing environment, we need to be flexible. Therefore, while we intend to pursue projects in the key areas of water supply, health, education and self-help measures, and have planned a number of activities around these axes, we are prepared, at any time to modify our plans to respond to new challenges. What will remain unchanged is our commitment to the people of Unity state.

**For further information, contact**

Vice President Corporate Responsibility

Lundin Petroleum

6 rue de Rive

CH-1211 Geneva 3

Switzerland

Tel. (41-22) 319 6600

Fax (41-22) 319 6615

E-mail [info@lundin.ch](mailto:info@lundin.ch)



[www.lundin-petroleum.com](http://www.lundin-petroleum.com)