

# Gas Hydrate Instability in the Southeastern Bering Sea

Project DE-FC26-05NT42665

## *Quarterly Progress Report*

**Date:** 7Mar06  
**Period:** Oct-Dec 05  
**NETL Manager:** Kelly Rose  
**Principal Investigator:** Lloyd Keigwin

## **Progress**

**Task** 1.0 Research Management Plan prepared and submitted Oct 2005  
**Task** 2.0 Technology Status Assessment prepared and submitted Dec 2005  
**Task** 3.0 Paleomagnetic Analysis

The majority of this work was completed by Dr. Steve Lund (USC) by December 2005. In particular this includes the rock magnetic analysis of core 51JPC which now contains two candidates for the Laschamp excursion of ~40 ka. With this information we will be able to constrain the sampling and dating of this core to levels <40ka.

## **Schedule**

Because this is a postdoctoral project for Mea Cook, and because her thesis defense was delayed until the end of January 2006, she was unable to begin Tasks 4 through 7 during the first quarter. This means she will be working full time on this project from March through August. This will effectively be year 1. That will be followed by her laboratory work in Bremen this autumn.

Work on Tasks 4 through 7 has begun.