

**Contract No. G-006-016**  
**“Cretaceous Gas/Shale-Gas Expansion”**  
Submitted by **Continental Resources Inc.**

Principal Investigator: Dr. Michael Husband / Archie Taylor / Gene Carlson

**PARTICIPANTS**

<b>Sponsor</b>	<b>Cost Share</b>
Continental Resources, Inc.	\$444,000
North Dakota Industrial Commission	<u>\$186,120</u>
Total Project Cost	\$630,120

Project Schedule – 12 months  
Contract Date – March 13, 2006  
Start Date – March 1, 2006  
Completion Date – March 31, 2007

Project Deliverables:  
Status Report: June 30, 2006 ✓  
Status Report: October 31, 2006  
Status Report: December 31, 2006  
Final Report: March 31, 2007

**OBJECTIVE/STATEMENT OF WORK:**

The project was designed to provide information on how the use of newer well log technologies could expand current North Dakota shallow gas production and generate interest in Cretaceous gas prospects statewide. The objectives of the project are to develop a method of evaluating the shallow gas potential of the Pierre Shale and Eagle Sand in the Cedar Hills area, creating a template that can be used/modified for exploration through the State. The template will be developed by collecting data from normal and special core analysis, coupled with a series of modern well log suites. Well log signatures will be compared to the core and core analysis. From this extensive data set, the best combination of logging suites for the identification of producing Cretaceous gas reservoirs can be identified, and a useable well logging template developed. This was to be done in two steps. Step 1 – Use log and core data to build a template for evaluating logs from other wells. Step 2 – Compare production from the wells to validate the template.

**STATUS**

The contract was executed. The first status report was received and it is posted on the Industrial Commission/OGRP website. Several contacts have been made since receipt of the first status report requesting the filing of the additional and final reports or at a minimum a request for an extension. To date the Commission has paid \$75,000 of their commitment of \$186,120.